

TENTH BIENNIAL REPORT

OF THE

Commissioners of Pharmacy

FOR THE

STATE OF IOWA.

1899.

PRINTED BY ORDER OF THE GENERAL ASSEMBLY.

DES MOINES.
F. R. CONAWAY, STATE PRINTER.
1899.

LETTER OF TRANSMITTAL.

DES MOINES, Iowa, September 15, 1899.

To His Excellency, Leslie M. Shaw, Governor:

SIR—We herewith submit to you the Tenth Biennial Report of the Commissioners of Pharmacy for the State of Iowa for the official biennial period ending April 23, 1899.

W. L. LELAND,

N. T. HENDRIX,

FLETCHER HOWARD,

Commissioners.

CHARLES W. PHILLIPS,

Secretary.

TREASURER'S REPORT.

From April 23, 1897, to April 24, 1898, of the Commissioners of Pharmacy for the State of Iowa, Charles W. Phillips, treasurer.

RECEIPTS

From April 23, 1897, to April 24, 1898.

| | | |
|-----------------------------------------|-------------|-------------|
| 358 Applications for examinations | \$ 1,780.00 | |
| 21 Applications for graduates | 42.00 | |
| 16 Duplicate certificates..... | 16.00 | |
| 299 Changes of locality..... | 149.50 | |
| 141 Delinquent renewals..... | 141.00 | |
| 2834 Renewals for 1898..... | 2,834.00 | |
| 8 Certificates of percentage..... | 16.00 | |
| Total..... | | \$ 4,978.50 |
| One-third to Fletcher Howard..... | \$ 1,659.50 | |
| One-third to W. L. Leland..... | 1,659.50 | |
| One-third to J. H. Pickett..... | 1,659.50 | |
| Total..... | | \$ 4,978.50 |

REPORT OF SECRETARY AND TREASURER

From April 23, 1898, to April 24, 1899.

| | | |
|---------------------------------------------------|-------------|-------------|
| 210 Applications for examinations..... | \$ 1,050 00 | |
| 93 Applications for graduates..... | 185.00 | |
| 20 Duplicate certificates..... | 20 00 | |
| 334 Changes of locality | 166 50 | |
| 86 Delinquent renewals | 86.00 | |
| 2987 Renewals for 1899 | 2,987.00 | |
| 3 Certificates of percentage..... | 6 00 | |
| Total..... | | \$ 4,501.50 |
| Per diem as per section 2587—Fletcher Howard..... | \$ 1,500.50 | |
| Per diem as per section 2587—W. L. Leland..... | 1,500.50 | |
| Per diem as per section 2587—N. T. Hendrix..... | 1,500 50 | |
| Total..... | | \$ 4,501.50 |

FINANCIAL STATEMENT, BIENNIAL PERIOD.

From April 23, 1897, to April 23, 1899, showing all moneys received and all moneys paid out by the office, including supplies drawn from state, also amount paid for printing and binding.

| | Paid out. | Received. |
|------------------------------------------------------|-------------|-----------|
| Secretary's salary, clerk hire and office expenses.. | \$ 4,000 00 | |
| Paid commissioners..... | 9,480.00 | |
| Supplies drawn..... | 705 08 | |

| | Paid out. | Received. |
|-----------------------------------------------|--------------|--------------|
| Printing..... | \$ 854.37 | |
| Binding..... | 240.00 | |
| Received for licenses..... | | \$ 21,300.00 |
| Received as fees..... | | 9,480.00 |
| Total..... | \$ 15,374.45 | \$ 30,780.00 |
| Net profit to state from this department..... | 15,500.65 | |
| Total..... | \$ 30,780.00 | \$ 30,780.00 |

Fines collected for violation of pharmacy law and turned into the school funds of the different counties.....\$ 10,822.99
 Warrants drawn for attorneys' fees and expense of prosecutions.....2,149.00

TREASURER'S REPORT.

Licenses issued during biennial period ending April 23, 1899.

| DATE. | NAME. | Amount. |
|--------------|-----------------------|---------|
| 1897 | | |
| April 23 | E. J. Godfrey..... | \$ 100 |
| April 30 | Samuel Galbraith..... | 100 |
| May 5 | E. McConkey..... | 100 |
| May 12 | W. T. Clow..... | 100 |
| May 14 | J. J. McNaull..... | 100 |
| May 29 | T. L. Brennan..... | 100 |
| June 15 | W. D. Cabler..... | 100 |
| June 22 | B. E. Benson..... | 100 |
| June 25 | George Stannard..... | 100 |
| July 8 | F. Pape..... | 100 |
| July 17 | M. N. LaVerde..... | 100 |
| July 19 | Dr. Louis Turner..... | 100 |
| August 12 | E. E. Storckwell..... | 100 |
| August 19 | M. J. Hobson..... | 100 |
| August 31 | J. W. Graham..... | 100 |
| September 2 | C. M. Rosenkrans..... | 100 |
| September 6 | M. H. Heerbrand..... | 100 |
| September 6 | J. F. Law..... | 100 |
| September 10 | Herman Smith..... | 100 |
| September 14 | C. W. Hughson..... | 100 |
| September 14 | O. H. Desmond..... | 100 |
| September 16 | G. W. Hathaway..... | 100 |
| September 21 | D. F. Brown..... | 100 |
| September 22 | O. O. Calkins..... | 100 |
| September 22 | J. E. Sparks..... | 100 |
| September 22 | Ed. Miller..... | 100 |
| September 23 | O. L. Bird..... | 100 |
| September 23 | J. A. Keester..... | 100 |
| October 1 | Charles Walford..... | 100 |
| October 4 | John Helmiller..... | 100 |
| October 13 | C. I. Hixon..... | 100 |
| October 14 | J. L. Berry..... | 100 |
| October 15 | A. R. Orandall..... | 100 |
| October 15 | E. L. Myers..... | 100 |
| October 15 | M. McAnally..... | 100 |
| October 15 | Guy Bush..... | 100 |
| October 15 | L. F. Zollman..... | 100 |
| October 27 | C. D. Johnson..... | 100 |
| October 27 | H. A. Percival..... | 100 |
| October 27 | John Peters..... | 100 |
| November 4 | J. F. Dunlavy..... | 100 |
| November 11 | W. E. Brown..... | 100 |
| November 17 | F. M. Tuttle..... | 100 |
| November 22 | J. N. Johnson..... | 100 |
| November 22 | A. E. Benson..... | 100 |
| November 24 | Ira Van Hoes..... | 100 |
| November 28 | G. Williams..... | 100 |
| December 2 | A. J. Kendig..... | 100 |
| December 2 | L. H. Haynes..... | 100 |
| December 7 | Ray F. Ellis..... | 100 |
| December 14 | George Cowing..... | 100 |
| December 14 | Art Haze..... | 100 |
| December 24 | C. F. Cline..... | 100 |
| December 28 | Geo. Albright..... | 100 |
| January 8 | | 100 |

TREASURER'S REPORT.—CONTINUED.

| DATE. | NAME. | Amount. |
|-------------|--------------------------|---------|
| 1898. | | |
| January 6 | Isaac Reed..... | \$ 100 |
| January 7 | A. T. Eaton..... | 100 |
| January 20 | C. M. Conrad..... | 100 |
| January 28 | H. C. Austin..... | 100 |
| January 28 | U. E. Dawson..... | 100 |
| January 28 | W. H. Clow..... | 100 |
| January 28 | Mack Deal..... | 100 |
| January 28 | Frank Dean..... | 100 |
| January 28 | E. H. Barth..... | 100 |
| February 4 | E. A. Eaton..... | 100 |
| February 8 | Eugene Eaton..... | 100 |
| February 10 | H. E. Towns..... | 100 |
| February 10 | E. E. Raymond..... | 100 |
| February 15 | J. A. Swanson..... | 100 |
| February 16 | O. P. Brimmer..... | 100 |
| February 17 | J. H. Peck..... | 100 |
| February 17 | C. L. Benschhof..... | 100 |
| February 17 | B. H. Cabbage..... | 100 |
| February 23 | F. L. Dehart..... | 100 |
| February 23 | C. H. Starkey..... | 100 |
| February 25 | J. C. Harrison..... | 100 |
| February 26 | Oscar Taylor..... | 100 |
| March 2 | W. R. Benson..... | 100 |
| March 2 | A. S. Perryman..... | 100 |
| March 6 | F. D. Wescott..... | 100 |
| March 6 | J. G. DuShaw..... | 100 |
| March 6 | G. N. Luce..... | 100 |
| March 12 | G. N. Hall..... | 100 |
| March 16 | W. J. Mason..... | 100 |
| March 16 | August Reinke..... | 100 |
| March 17 | J. L. Reed..... | 100 |
| March 18 | C. D. Shepard..... | 100 |
| March 18 | Jos. Eveland..... | 100 |
| March 18 | R. Elijah..... | 100 |
| March 21 | O. A. Parsons..... | 100 |
| March 23 | Frank Main..... | 100 |
| March 26 | W. J. Sutcliffe..... | 100 |
| March 26 | E. G. Johnson..... | 100 |
| March 31 | H. L. Knuss..... | 100 |
| April 8 | J. E. Johnson..... | 100 |
| April 8 | P. C. Peterson..... | 100 |
| April 8 | H. I. Spawm..... | 100 |
| April 8 | H. O. Frits..... | 100 |
| April 11 | C. W. Colburn..... | 100 |
| April 11 | Jos. Delle..... | 100 |
| April 13 | W. S. Hall..... | 100 |
| April 15 | E. F. Bain..... | 100 |
| April 21 | D. M. Jones..... | 100 |
| April 25 | J. W. Cranor..... | 100 |
| April 26 | Lyman E. Cates..... | 100 |
| April 30 | E. Gardner..... | 100 |
| May 8 | Sam Galbraith..... | 100 |
| May 8 | Jacob Goeddertz..... | 100 |
| May 12 | J. K. Johnson..... | 100 |
| May 17 | J. W. Shaw..... | 100 |
| May 19 | Charles L. Schnore..... | 100 |
| May 19 | A. L. Heath..... | 100 |
| May 23 | J. J. McNaull..... | 100 |
| May 31 | D. O. Welch..... | 100 |
| June 10 | F. J. Jogerst..... | 100 |
| June 13 | W. F. Cletley..... | 100 |
| June 21 | Mrs. M. E. Mosley..... | 100 |
| July 1 | E. J. Godfrey..... | 100 |
| July 1 | Foekert Brunner..... | 100 |
| July 1 | Ehlers Falkenhamer..... | 100 |
| July 1 | B. E. Benson..... | 100 |
| July 1 | F. L. Tibbets..... | 100 |
| July 1 | W. E. Coleman..... | 100 |
| July 2 | Andrew Shaffer..... | 100 |
| July 9 | Frank Mains..... | 100 |
| July 9 | Fred Fox..... | 100 |
| July 12 | Clarence H. Daniels..... | 100 |
| July 19 | W. H. Hartson..... | 100 |

TREASURER'S REPORT.—CONTINUED.

| DATE. | NAME. | Amount. |
|--------------|---------------------|---------|
| July 22 | J. A. Trobaugh | 100 |
| July 22 | F. A. Cornell | 100 |
| July 27 | B. A. Belcher | 100 |
| August 1 | Oscar Taylor | 100 |
| August 1 | J. H. Ganger | 100 |
| August 9 | A. R. Snow | 100 |
| August 9 | J. A. Edmond | 100 |
| August 17 | P. L. Brennan | 100 |
| September 8 | Mary Kinney | 100 |
| September 9 | J. W. Gebhardt | 100 |
| September 14 | L. C. Whitaker | 100 |
| September 21 | Ed. Miller | 100 |
| September 21 | F. Pape | 100 |
| September 30 | A. J. Kendig | 100 |
| October 3 | H. E. Goodrich | 100 |
| October 3 | M. J. Hobson | 100 |
| October 3 | G. L. Lottar | 100 |
| October 13 | Martin Brennan | 100 |
| October 16 | L. P. Zolman | 100 |
| October 18 | Guy Koush | 100 |
| October 18 | M. McAnulty | 100 |
| October 19 | M. H. Heerbrand | 100 |
| October 21 | Felix Nettleton | 100 |
| October 27 | R. L. Riley | 100 |
| October 27 | T. R. Potts | 100 |
| October 31 | B. H. Westfall | 100 |
| November 1 | D. C. Glasgow | 100 |
| November 1 | J. F. Dunlavy | 100 |
| November 1 | Charles Endor | 100 |
| November 14 | Oraig C. Calkins | 100 |
| November 15 | H. A. Persival | 100 |
| November 24 | H. G. Conrad | 100 |
| December 1 | G. W. Buck | 100 |
| December 3 | J. C. Johnson | 100 |
| December 8 | R. J. Atkins | 100 |
| December 20 | Oscar Taylor | 100 |
| January 2 | L. H. Haynes | 100 |
| January 6 | E. Babcock | 100 |
| January 10 | George Cowling | 100 |
| January 16 | H. Ahrensdoerff | 100 |
| January 23 | Stephen A. McHargue | 100 |
| January 24 | A. G. Price | 100 |
| January 26 | W. H. Clow | 100 |
| January 26 | Mack Deal | 100 |
| January 27 | W. S. Luther | 100 |
| February 3 | Frank Dean | 100 |
| February 3 | H. C. Austin | 100 |
| February 7 | H. G. Doolittle | 100 |
| February 9 | Frank Kettenbaugh | 100 |
| February 14 | H. E. Towas | 100 |
| February 14 | E. E. Raymond | 100 |
| February 19 | O. P. Brimmer | 100 |
| February 20 | E. H. Barth | 100 |
| February 20 | E. A. Eaton | 100 |
| February 21 | Eugene Eaton | 100 |
| February 21 | S. N. Doolittle | 100 |
| February 21 | Art Haze | 100 |
| February 23 | W. C. Cameron | 100 |
| March 2 | John A. Swanson | 100 |
| March 2 | C. D. Johnson | 100 |
| March 9 | F. S. Wescott | 100 |
| March 14 | John G. DuShaw | 100 |
| March 16 | H. M. Bennett | 100 |
| March 23 | H. L. Campbell | 100 |
| March 23 | C. F. Dilne | 100 |
| March 23 | Joseph Ewald | 100 |
| March 27 | J. L. Reed | 100 |
| March 28 | John Heinmiller | 100 |
| April 2 | E. G. Johnson | 100 |
| April 5 | C. M. Conrad | 100 |
| April 5 | W. R. Benson | 100 |
| April 6 | C. H. Starkey | 100 |
| April 8 | W. E. DeCrane | 100 |
| April 8 | H. L. Knauss | 100 |

TREASURER'S REPORT.—CONTINUED.

| DATE. | NAME. | Amount. |
|----------|-----------------|----------|
| April 8 | J. C. Nelson | 100 |
| April 8 | F. O. Petersen | 100 |
| April 8 | A. C. Fairbairn | 100 |
| April 8 | H. I. Spawb | 100 |
| April 14 | C. M. Smith | 100 |
| April 14 | H. O. Pritts | 100 |
| April 14 | E. E. Raymond | 100 |
| April 14 | Ray Johnson | 100 |
| April 18 | A. DeGraff | 100 |
| April 18 | A. J. Patterson | 100 |
| April 19 | W. S. Hall | 100 |
| April 21 | F. Brummer | 100 |
| Total | | \$21,300 |

EXPENSE ACCOUNT OF COMMISSION.

From April 23, 1897, to April 23, 1898.

| DATE. | NAME. | AMOUNT. |
|--------------|---------------------|-------------|
| 1897. | | |
| June 8 | Charles W. Phillips | \$ 100 00 |
| June 30 | Charles W. Phillips | 100 00 |
| July 21 | W. F. Glesseman | 4 60 |
| July 31 | Charles W. Phillips | 100 00 |
| September 11 | Charles W. Phillips | 100 00 |
| September 13 | Anna Bromley | 5 00 |
| September 30 | Charles W. Phillips | 100 00 |
| October 11 | J. H. Pickett | 120 00 |
| October 11 | Charles W. Phillips | 17 80 |
| October 11 | Fletcher Howard | 74 50 |
| October 11 | W. L. Leland | 92 25 |
| November 4 | Charles W. Phillips | 100 00 |
| November 30 | Charles W. Phillips | 100 00 |
| December 31 | Anna Bromley | 5 00 |
| December 31 | Charles W. Phillips | 100 00 |
| 1898. | | |
| January 4 | W. F. Glesseman | 8 60 |
| January 7 | L. A. Holmes | 4 00 |
| January 22 | Fletcher Howard | 46 05 |
| January 22 | J. H. Pickett | 85 79 |
| January 22 | W. L. Leland | 79 05 |
| January 31 | Charles W. Phillips | 100 00 |
| February 28 | Charles W. Phillips | 100 00 |
| March 31 | Charles W. Phillips | 100 00 |
| April 23 | L. A. Holmes | 10 00 |
| April 23 | Anna Bromley | 29 90 |
| April 23 | W. F. Glesseman | 15 37 |
| April 23 | Fletcher Howard | 88 55 |
| April 23 | Charles W. Phillips | 5 00 |
| April 23 | W. L. Leland | 15 45 |
| April 23 | J. H. Pickett | 32 90 |
| April 23 | Charles W. Phillips | 166 98 |
| Total | | \$ 2,000.00 |

EXPENSE ACCOUNT OF COMMISSION.

From April 23, 1898, to April 23, 1899.

| DATE. | NAME. | AMOUNT. |
|--------------|------------------------|-------------|
| 1898. | | |
| June 1 | Chas. W. Phillips..... | \$ 100.00 |
| July 1 | Chas. W. Phillips..... | 100.00 |
| July 27 | J. C. Simpson..... | 10.00 |
| July 27 | A. H. Miles..... | 7.88 |
| August 11 | N. T. Hendrix..... | 45.52 |
| August 11 | W. L. Leland..... | 57.82 |
| August 11 | Fletcher Howard..... | 36.03 |
| August 11 | W. F. Giesseman..... | 9.63 |
| August 11 | Chas. W. Phillips..... | 100.00 |
| August 11 | Chas. W. Phillips..... | 31.76 |
| September 5 | Chas. W. Phillips..... | 100.00 |
| September 30 | Jessie Wharton..... | 10.00 |
| September 30 | Chas. W. Phillips..... | 100.00 |
| October 17 | J. C. Simpson..... | 50.00 |
| November 1 | Fletcher Howard..... | 32.85 |
| November 1 | N. T. Hendrix..... | 31.40 |
| November 1 | Chas. W. Phillips..... | 100.00 |
| November 1 | W. L. Leland..... | 30.32 |
| November 12 | J. C. Simpson..... | 60.00 |
| November 30 | Chas. W. Phillips..... | 100.00 |
| December 31 | Chas. W. Phillips..... | 100.00 |
| 1899. | | |
| January 9 | W. F. Giesseman..... | 8.75 |
| January 31 | Chas. W. Phillips..... | 100.00 |
| February 7 | N. T. Hendrix..... | 20.71 |
| February 7 | W. L. Leland..... | 30.65 |
| February 7 | Fletcher Howard..... | 38.45 |
| February 7 | Chas. W. Phillips..... | 8.57 |
| February 28 | Chas. W. Phillips..... | 100.00 |
| March 31 | Chas. W. Phillips..... | 100.00 |
| April 21 | W. F. Giesseman..... | 9.63 |
| April 23 | W. L. Leland..... | 80.15 |
| April 23 | N. T. Hendrix..... | 69.84 |
| April 23 | Fletcher Howard..... | 41.85 |
| April 23 | Chas. W. Phillips..... | 100.00 |
| April 23 | L. Harbach..... | 23.75 |
| April 23 | C. Dahlberg..... | 55.00 |
| April 23 | Jessie Wharton..... | 3.57 |
| | Total..... | \$ 2,000.00 |

PERMITS IN FORCE SEPTEMBER 1, 1899.

| COUNTY. | No. permits reported. | COUNTY. | No. permits reported. | COUNTY. | No. permits reported. |
|----------------------|-----------------------|----------------|-----------------------|--------------------|-----------------------|
| Adair..... | 5 | Floyd..... | 15 | Monona..... | 4 |
| Adams..... | 5 | Franklin..... | 11 | Monroe..... | 7 |
| Allamakee..... | 5 | Fremont..... | 5 | Montgomery..... | 6 |
| Appanoose..... | 4 | Greene..... | 12 | Muscatine..... | 8 |
| Audubon..... | 6 | Grundy..... | 6 | O'Brien..... | 8 |
| Benton..... | 9 | Guthrie..... | 8 | Pago..... | 8 |
| Black Hawk..... | 18 | Hamilton..... | 14 | Paga..... | 8 |
| Boone..... | 10 | Hancock..... | 14 | Palo Alto..... | 7 |
| Bremer..... | 5 | Hardin..... | 23 | Plymouth..... | 9 |
| Buchanan..... | 15 | Harrison..... | 6 | Pocahontas..... | 10 |
| Buena Vista..... | 10 | Henry..... | 13 | Polk..... | 52 |
| Butler..... | 11 | Howard..... | 9 | Pottawattamie..... | 3 |
| Calhoun..... | 15 | Humboldt..... | 15 | Poweshiek..... | 3 |
| Carroll..... | 3 | Ida..... | 3 | Ringgold..... | 4 |
| Cass..... | 10 | Iowa..... | 12 | Sac..... | 14 |
| Cedar..... | 6 | Jackson..... | 5 | Scott..... | 1 |
| Cerro Gordo..... | 11 | Jasper..... | 11 | Shelby..... | 7 |
| Cherokee..... | 7 | Jefferson..... | 7 | Sioux..... | 14 |
| Chickasaw..... | 6 | Johnson..... | 4 | Story..... | 14 |
| Clarke..... | 4 | Jones..... | 15 | Tama..... | 6 |
| Clay..... | 6 | Keokuk..... | 18 | Taylor..... | 6 |
| Clayton..... | 12 | Kossuth..... | 21 | Union..... | 12 |
| Clinton..... | 6 | Lee..... | 11 | Van Buren..... | 16 |
| Crawford..... | 4 | Linn..... | 18 | Wapello..... | 2 |
| Dallas..... | 12 | Louisa..... | 6 | Warren..... | 17 |
| Davis..... | 1 | Lucas..... | 5 | Washington..... | 3 |
| Decatur..... | 7 | Lyon..... | 8 | Wayne..... | 17 |
| Delaware..... | 10 | Madison..... | 3 | Webster..... | 8 |
| Des Moines..... | 5 | Mahaska..... | 12 | Winnebago..... | 11 |
| Dickinson..... | 3 | Marion..... | 10 | Wineshiek..... | 14 |
| Dubuque..... | 3 | Marshall..... | 19 | Woodbury..... | 4 |
| Emmet..... | 5 | Millis..... | 7 | Worth..... | 16 |
| Fayette..... | 10 | Mitchell..... | 8 | Wright..... | 907 |
| Total number granted | In state..... | | | | |

ABSTRACT OF STATE PHARMACY REGISTER.

Showing certificates now in force.

| Number of certificates. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|-------------------------|---------------------------|-----------------------|---------------------|------------------------|--------------------------|----------------------|------------------|
| 121 | Arts, David..... | June 14, 1880 | As owner..... | Donnelson | Red Oak..... | Sept. 10, 1889 | |
| 323 | Anderson, A. A..... | June 22, 1880 | As assistant..... | Boone. | | | |
| 328 | Atkias, J. B..... | June 8, 1880 | As owner..... | Council Bluffs. | | | |
| 633 | Arnold, C. V..... | June 4, 1880 | As owner..... | Mt. Pleasant. | | | |
| 1134 | Allen, William P..... | July 7, 1880 | As owner..... | Hubbuck. | | | |
| 1203 | Ayers, W. L..... | June 15, 1880 | As owner..... | Sheldon. | | | |
| 1294 | Agnew, David G..... | June 15, 1880 | As owner..... | Wilton Junction. | | | |
| 1588 | Archer, William H..... | Aug. 12, 1880 | As owner..... | Bear Grove..... | Adair..... | April 5, 1889 | Out of business. |
| 1667 | Axt, Julius H..... | July 28, 1880 | By examination..... | Fort Madison. | Fort Madison..... | Nov. 5, 1888 | |
| 1659 | Amos, Albert..... | July 7, 1880 | By examination..... | Nora Springs. | Stacyville..... | Sept. 27, 1896 | |
| 1706 | Arnold, Charles..... | Aug. 4, 1880 | By examination..... | Creston..... | Waverly..... | Oct. 23, 1898 | |
| 1827 | Arnold, Charles F..... | Oct. 1, 1880 | By examination..... | Stoux City. | | | |
| 1981 | Alexander, K. H..... | Oct. 5, 1880 | By examination..... | Oskaloosa..... | Camaron, Mo..... | Mar. 19, 1892 | |
| 2361 | Allen, B. F..... | April 27, 1881 | By examination..... | Keosauqua..... | Kalona..... | Oct. 1, 1885 | |
| 2270 | Anderson, E..... | Oct. 12, 1881 | By examination..... | Manson..... | Ruthven..... | Mar. 24, 1894 | |
| 2241 | Alexander, W. A..... | Sept. 10, 1881 | By examination..... | Leon. | | | |
| 2479 | Arthur, Charles H..... | May 8, 1882 | By examination..... | Webster City..... | Webster City..... | Aug. 24, 1895 | Out of business. |
| 2506 | Adams, Charles R..... | Aug. 1, 1882 | By examination..... | Cedar Rapids. | | | |
| 2544 | Applin, Arthur S..... | Oct. 23, 1882 | By examination..... | Cambridge. | | | Out of business. |
| 2581 | Alexander, T. E..... | Feb. 28, 1883 | By examination..... | Marion. | | | |
| 2905 | Adair, Charles R..... | April 17, 1883 | By examination..... | Logan..... | Yale..... | May 20, 1893 | |
| 2962 | Adams, John R..... | July 17, 1883 | By examination..... | De Soto..... | Lyons..... | April 10, 1888 | |
| 2728 | Alexander, D. B..... | Mar. 4, 1884 | By examination..... | Des Moines | | | Out of business. |
| 3735 | Arnold, E. R..... | April 15, 1884 | By examination..... | Humeston..... | | | Out of business. |
| 3036 | Anders, F. W..... | June 15, 1886 | By examination..... | Earlville..... | Manchester..... | Oct. 31, 1898 | |
| 3129 | Asbury, T. P..... | Feb. 28, 1887 | By examination..... | Tingley. | | | |
| 3146 | Anderson, Aug..... | Mar. 1, 1887 | By examination..... | Carroll..... | | | |
| 3148 | Anderson, A. G..... | Mar. 11, 1887 | By examination..... | Ogden..... | | | |
| 3211 | Aborn, F. L..... | April 5, 1887 | By examination..... | Sheffield. | | | |
| 3230 | Atkinson, J. H..... | May 7, 1887 | By examination..... | Mason City. | | | |
| 3317 | Anderson, J. W..... | Sept. 20, 1887 | By examination..... | Council Bluffs. | | | |
| 3322 | Adams, J. J..... | Oct. 8, 1887 | As graduate..... | Mason City. | | | |
| 445 | Andre, T. J..... | April 17, 1888 | By examination..... | Scharer..... | | | |
| 466 | Allen, S. A..... | June 5, 1888 | By examination..... | Sheldon..... | Stoux City..... | | Lamar, Mo. |
| 3504 | Allison, S. M..... | Aug. 21, 1888 | By examination..... | Nassau. | | | |
| 3598 | Adams, John Q..... | Dec. 20, 1888 | By examination..... | Exira..... | Des Moines..... | July 2, 1894 | |
| 3645 | Arthur, H. J..... | April 19, 1889 | By examination..... | Webster City. | | | |
| 3656 | Ait, George W..... | May 28, 1889 | By examination..... | What Cheer..... | Williamsburg..... | July 16, 1894 | |
| 3950 | Amnden, George E..... | July 23, 1889 | As graduate..... | Manchester. | | | |
| 3794 | Anderson, O. H..... | Jan. 7, 1890 | By examination..... | Kingsley..... | Wesley..... | Dec. 1, 1893 | |
| 3902 | Allen, E. D..... | June 27, 1890 | As graduate..... | Mason City..... | Thornton..... | Feb. 17, 1892 | |
| 3951 | Ackley, F. E..... | Oct. 20, 1890 | By examination..... | Foster..... | | | In Missouri. |
| 3981 | Anderson, E. K..... | Jan. 13, 1891 | By examination..... | St. Charles. | | | |
| 4023 | Alderson, Miles..... | April 7, 1891 | By examination..... | Strawberry Point. | Manchester..... | Jan. 12, 1898 | |
| 4069 | Anderson, E. O..... | Aug. 15, 1891 | By examination..... | Hancock. | | | |
| 4101 | Andrews, W. E..... | Aug. 7, 1891 | Graduate..... | Waterson. | Rock Rapids..... | May 28, 1893 | Out of state. |
| 4211 | Aidy, H. C..... | Nov. 3, 1891 | By examination..... | Humeston..... | Hawkeye..... | Oct. 21, 1897 | |
| 4208 | Adams, Harry B..... | April 8, 1892 | By examination..... | Mason City. | | | |
| 4230 | Ady, Ross W..... | April 15, 1892 | By examination..... | Osago..... | | | |
| 4287 | Ash, Seth A..... | May 3, 1892 | By examination..... | Storm Lake..... | Osceola..... | Aug. 15, 1895 | |
| 4231 | Armstrong, E. L..... | May 19, 1892 | By examination..... | Seymour..... | Grand River..... | Mar. 23, 1898 | |
| 4284 | Agersborg, G. E..... | July 7, 1892 | By examination..... | Stoux City..... | Vermillion, S. D..... | Sept. 1, 1897 | |
| 4435 | Allen, Charles E..... | April 4, 1893 | By examination..... | New Sharon..... | Marous..... | Jan. 19, 1895 | |
| 4474 | Adams, H. D..... | June 7, 1893 | By examination..... | Winterset..... | | | |
| 4533 | Amnden, William O..... | Dec. 8, 1893 | Graduate..... | Aurora..... | Garner..... | Oct. 19, 1896 | |
| 4544 | Aikyer, Claud..... | Nov. 14, 1893 | By examination..... | Saborn..... | | | |
| 4569 | Aldrich, Ed. A..... | Jan. 15, 1894 | By examination..... | Oreston..... | | | |
| 4587 | Ahlers, Oswald B..... | Feb. 6, 1894 | By examination..... | Bellvue..... | | | |
| 4594 | Atzen, Charles B..... | Mar. 8, 1894 | By examination..... | Hubbard..... | | | |
| 4671 | Atkinson, George H..... | June 5, 1894 | By examination..... | Hartley..... | Creston..... | Dec. 5, 1895 | |
| 4700 | Avery, A. M..... | July 30, 1894 | By examination..... | Maquoketa..... | | | |
| 4710 | Anderson, J..... | Jan. 14, 1894 | By examination..... | Marion..... | Noville..... | Mar. 3, 1899 | |
| 4719 | Abbott, Welcome A..... | Aug. 24, 1894 | By examination..... | Manchester. | | | |
| 4729 | Ambsberry, A. L..... | Aug. 7, 1894 | By examination..... | Lester. | | | |
| 4813 | Aldrich, Frank S..... | Mar. 12, 1895 | By examination..... | Jefferson..... | Des Moines..... | Nov. 15, 1895 | |
| 4857 | Ackert, Harry J..... | April 12, 1894 | By examination..... | Marshalltown. | | | |
| 4866 | Armour, Frank O..... | April 2, 1894 | By examination..... | Marshalltown. | Oskaloosa..... | Sept. 8, 1898 | |
| 4884 | Amundson, O. C..... | April 7, 1895 | By examination..... | Rhodes..... | | | |
| 4788 | Ayers, Charles Cyrus..... | Dec. 8, 1894 | By examination..... | Decatur..... | | | Out of business. |
| 4933 | Armstrong, E. F..... | Sept. 1, 1895 | Graduate..... | Cedar Rapids. | | | |
| 4937 | Albert, William F..... | Oct. 4, 1895 | By examination..... | Hubbard..... | Tama..... | June 23, 1899 | |
| 4938 | Arrasmith, P. A..... | Oct. 8, 1895 | By examination..... | Griswold..... | Shelby..... | Aug. 8, 1898 | |
| 4943 | Armstrong, T. B..... | Nov. 6, 1895 | By examination..... | Greely..... | | | |
| 4958 | Anderson, J. H..... | Dec. 4, 1895 | By examination..... | Earthen..... | | | |
| 4975 | Armstrong, A. C..... | Jan. 7, 1896 | By examination..... | Eliston..... | | | |
| 4978 | Arnold, W. B..... | Jan. 7, 1896 | By examination..... | Sloan..... | Kirkman..... | Dec. 14, 1898 | |
| 4967 | Andree, Carl..... | Feb. 4, 1896 | By examination..... | Stoux City. | | | |
| 5032 | Alexander, J. M..... | April 7, 1896 | By examination..... | Rhodes..... | Marshalltown..... | June 3, 1896 | |
| 5112 | Ailey, C. E..... | July 7, 1896 | By examination..... | Grinnell. | | | |
| 5115 | Albertson, O. C..... | Oct. 13, 1896 | By examination..... | Hubbard..... | | | |
| 5121 | Anderson, E. H..... | Aug. 6, 1896 | By examination..... | Fonda. | | | |
| 5137 | Anderson, Wm. H..... | Sept. 1, 1896 | By examination..... | Council Bluffs. | | | |
| 5148 | Adams, H. A..... | Sept. 4, 1896 | By examination..... | Spencer..... | Algona..... | Oct. 1, 1895 | |
| 5200 | Aborn, Fred C..... | Mar. 3, 1897 | By examination..... | Sheffield. | | | |
| 5249 | Allen, Will L..... | April 6, 1897 | By examination..... | Pella. | | | |

ABSTRACT—CONTINUED.

| Number of certificates. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|-------------------------|---------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 5286 | Allen, R. E. | Mar. 6, 1897 | By examination | Ridgeway. | | | |
| 5320 | Alexander, Henry. | Oct. 5, 1897 | By examination | Conrad. | | | |
| 5358 | Adair, Mabel B. | Nov. 2, 1897 | By examination | Yale. | | | |
| 5386 | Adams, Everet H. | Dec. 7, 1897 | By examination | Berea. | | | |
| 5390 | Asbury, J. W. | Feb. 1, 1898 | By examination | Tingley. | Mt. Ayr. | Dec. 16, 1898 | |
| 5403 | Armitage, Daisy D. | Mar. 1, 1898 | By examination | Elston. | | | |
| 5443 | Adams, Clyde E. | April 5, 1898 | By examination | Ottumwa. | | | |
| 5472 | Armstrong, E. C. | April 5, 1898 | By examination | Seymour. | | | |
| 5477 | Amundson, Henry J. | June 7, 1898 | By examination | Clarion. | Willingford. | Mar. 8, 1899 | |
| 5459 | Anderson, O. E. | Aug. 3, 1898 | Graduate. | Sioux City. | Bancroft. | Feb. 22, 1899 | |
| 5534 | Armour, H. O. | Sept. 7, 1898 | Graduate. | Des Moines. | | | |
| 5590 | Anderson, C. V. | Nov. 1, 1898 | By examination | Emmetsburg. | | | |
| 5592 | Anderson, L. B. | Mar. 7, 1899 | By examination | Richland. | Oxford. | Jan. 25, 1899 | |
| 5644 | Arkema, S. E. | Mar. 7, 1899 | By examination | Sioux City. | Cylinder. | Aug. 14, 1899 | |
| 5648 | Adam, W. C. | Mar. 7, 1899 | By examination | Eima. | | | |
| 5649 | Anderson, A. G. | May 17, 1899 | Graduate. | Redfield. | | | |
| 5687 | Ashford, George W. | June 6, 1899 | Graduate. | Sioux City. | | | |
| 5706 | Allen, D. A. | Aug. 18, 1899 | By examination | Des Moines. | | | |
| 5748 | Anderson, Henry C. | June 5, 1880 | As owner | Clear Lake. | | | |
| 2 | Birford, E. | June 5, 1880 | As owner | Dixon. | | | |
| 8 | Babson, J. E. | June 5, 1880 | As owner | Blockton. | | | |
| 72 | Bursasie, J. M. | June 7, 1880 | As owner | Waucoma. | | | |
| 85 | Bills, E. B. | June 8, 1880 | As owner | Darant. | | | |
| 215 | Boerner, H. W. | June 16, 1880 | As owner | Iowa City. | | | |
| 305 | Brenton, A. G. | June 14, 1880 | As owner | Adel. | | | |
| 323 | Burrows, John P. | June 3, 1880 | As owner | Beacon. | | | |
| 324 | Boberg, G. F. | June 7, 1880 | As assistant | Clarinda. | | | |
| 331 | Blair, W. H. | June 10, 1880 | As owner | Cromwell. | Lorimer. | Sept. 5, 1888 | Out of business. |
| 360 | Ball, A. S. | June 7, 1880 | As principal | Clarion. | | | |
| 428 | Blackinton, W. N. | June 15, 1880 | As owner | College Springs. | | | |
| 449 | Ballard, John W. | June 9, 1880 | As owner | Denmark. | | | |
| 463 | Booth, A. E. | June 24, 1880 | As owner | Davenport. | | | |
| 547 | Bayless, Thomas D. | June 17, 1880 | As principal | Prescott. | | | |
| 576 | Bradshaw, A. C. D. | June 2, 1880 | As principal | Elkader. | | | |
| 623 | Baldwin, E. V. | June 8, 1880 | As owner | Fairfield. | | | |
| 713 | Bush, John V. | June 8, 1880 | As owner | Hampton. | | | |
| 731 | Busch, T. H. | June 20, 1880 | As assistant | Colesburg. | | | |
| 759 | Brownell, E. L. | July 30, 1880 | As owner | Davenport. | | | |
| 775 | Bissell, Charles E. | June 2, 1880 | As assistant | Spirit Lake. | | | |
| 801 | Besch, Thomas C. | June 30, 1880 | As assistant | Lovilla. | | | |
| 817 | Blosser, George W. | July 1, 1880 | As owner | Cedar Rapids. | | | |
| 841 | Backer, John H. | June 14, 1880 | As owner | Moniton. | | | |
| 872 | Belding, A. L. | June 7, 1880 | As assistant | Monticello. | | | |
| 912 | Bowman, J. K. | June 8, 1880 | As owner | Van Wert. | | Mar. 21, 1899 | |
| 940 | Briggs, L. L. | June 7, 1880 | As owner | Boaman. | Conrad Grove. | Sept. 21, 1895 | |
| 952 | Briggs, S. E. | June 8, 1880 | As owner | New Hampton. | | | |
| 955 | Birney, Lewis | July 6, 1880 | As owner | Nevada. | | | |
| 1042 | Beechler, George N. | June 7, 1880 | As owner | Nora Springs. | | | |
| 1142 | Birney, Catharine. | July 6, 1880 | As owner | Oskaloosa. | | | |
| 1143 | Birney, Lewis | July 6, 1880 | As owner | Nora Springs. | | | |
| 1175 | Brow, William K. | July 7, 1880 | As owner | Floyd. | Nora Springs. | May 2, 1899 | |
| 1181 | Brimhall, S. M. | June 8, 1880 | As owner | Dubuque. | | Sept. 9, 1891 | |
| 1182 | Brimhall, O. W. | June 8, 1880 | As owner | State Center. | State Center. | June 13, 1885 | |
| 2132 | Bishop, Edward W. | June 7, 1880 | As owner | State Center. | Schaller. | July 15, 1889 | |
| 1254 | Beach, Edward N. | June 8, 1880 | As owner | Troy Mills. | | | |
| 1285 | Brubaker, Joseph | June 2, 1880 | As owner | Vinton. | | | |
| 1417 | Brinkhoff, F. W. | June 4, 1880 | As owner | Pella. | | | |
| 1535 | Bruce, O. M. | July 24, 1880 | As owner | Walnut. | | | |
| 1537 | Exby, R. J. | July 26, 1880 | As owner | Edgewood. | | | |
| 1558 | Bianchard, Lewis | July 24, 1880 | As owner | Edgewood. | | | |
| 1643 | Brookings, D. J. | Aug. 18, 1880 | As owner | Xenia. | Woodard. | Mar. 17, 1885 | |
| 1701 | Broadie, A. A. | Aug. 2, 1880 | By examination | Waverly. | | | |
| 1729 | Baker, Charles W. | Aug. 9, 1880 | As assistant | Des Moines. | | | |
| 1824 | Babcock, E. M. | Nov. 3, 1880 | As owner | Wyoming. | | | |
| 1830 | Baughman, O. F. | Nov. 8, 1880 | As assistant | Kinross. | South English. | June 1, 1889 | |
| 1858 | Bentley, N. J. | Aug. 3, 1880 | By examination | De Soto. | | | |
| 1870 | Bice, D. Corwin | Oct. 19, 1880 | By examination | Oskaloosa. | | | |
| 1882 | Ballard, E. H. | Sept. 15, 1880 | By examination | Estherville. | | | |
| 1892 | Burns, J. O. | Aug. 13, 1880 | By examination | Ottumwa. | | | |
| 1896 | Bothwell, G. W. | Nov. 11, 1880 | By examination | Fonda. | Emmetsburg. | May 8, 1889 | Out of business. |
| 1934 | Burroughs, J. E. | Nov. 15, 1880 | By examination | Washington. | Fairbank. | Aug. 22, 1889 | Out of business. |
| 1981 | Blackman, R. F. | Dec. 24, 1880 | As owner | Bonaparte. | | | |
| 1990 | Brotherlin, H. L. | Dec. 21, 1880 | By examination | Tipton. | | | |
| 2081 | Burroughs, S. W. | April 11, 1881 | By examination | Holland. | | | |
| 2086 | Batty, William E. | Feb. 7, 1881 | By examination | Muscatine. | Allison. | May 12, 1888 | |
| 2150 | Berryhill, William | June 30, 1881 | By examination | Clarinda. | | | |
| 2168 | Burroughs, S. E. | July 25, 1881 | By examination | Holland. | | | |
| 2187 | Burns, E. M. | Aug. 2, 1881 | By examination | Council Bluffs. | Allison. | Mar. 20, 1885 | Out of business. |
| 2189 | Beldon, M. J. | Sept. 7, 1881 | By examination | Wesley. | Mason City. | Feb. 23, 1885 | |
| 2224 | Rutts, P. M. | Aug. 8, 1881 | By examination | Canton. | | | |
| 2253 | Brush, George W. | Oct. 19, 1881 | By examination | Tracer. | | | |
| 2303 | Hibbas, A. L. | Jan. 9, 1882 | By examination | Marshalltown. | | | |
| 2320 | Brown, Artemus | Jan. 24, 1881 | By examination | Holland. | | | |
| 2335 | Bennett, J. W. | Feb. 25, 1882 | By examination | Leroy. | | | |
| 2359 | Bruner, D. M. | Jan. 31, 1882 | By examination | Waverly. | Olio. | Sept. 30, 1891 | |
| | | | | | | June 9, 1895 | |
| | | | | | | Sept. 24, 1887 | |

ABSTRACT—CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|----------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|-------------------|
| 2405 | Brittan, S. P. | April 23, 1882 | By examination. | Rockford. | Mason City. | April 16, 1884 | Out of business. |
| 2432 | Burnett, Milo T. | May 24, 1882 | By examination. | Olyde. | Luverne. | Dec. 31, 1884 | |
| 2441 | Bosley, James E. | May 17, 1882 | By examination. | Marengo. | Ladora. | Dec. 17, 1888 | |
| 2451 | Rythe, Calvin | June 20, 1882 | By examination. | Woodburn. | West Bend. | | |
| 2407 | Rachman, E. W. | July 11, 1882 | By examination. | Des Moines. | | | |
| 2511 | Rauer, William S. | Aug. 8, 1882 | By examination. | Calliope. | | | Out of business. |
| 2523 | Rower, J. H. | Sept. 5, 1882 | By examination. | Wheatland. | Keystone. | Jan. 3, 1887 | |
| 2531 | Rielsenberg, J. E. | Sept. 14, 1882 | By examination. | Marshalltown. | Galva. | Feb. 10, 1896 | Washington. |
| 2553 | Byrns, J. A. | Dec. 14, 1882 | By examination. | Harvard. | | | |
| 2567 | Bilby, A. M. | April 30, 1883 | By examination. | Defiance. | | | |
| 2618 | Boyd, John R. | June 29, 1883 | By examination. | Irwin. | | | |
| 2654 | Branson, W. S. | Nov. 23, 1883 | By examination. | Red Oak. | Sioux City. | Mar. 24, 1893 | |
| 2703 | Beppler, J. F. | Feb. 15, 1884 | By examination. | Atton. | Creston. | May 1, 1888 | Out of business. |
| 2723 | Ragley, James W. | Sept. 16, 1884 | By examination. | Fayette. | Lake City. | Jan. 1, 1898 | |
| 2805 | Bullock, Frank H. | Oct. 7, 1884 | By examination. | Sac City. | | | |
| 2811 | Brown, Caleb. | Dec. 30, 1884 | By examination. | Lenox. | | | |
| 2824 | Bennett, T. W. | Jan. 14, 1885 | By examination. | Atton. | | | |
| 2830 | Beche, J. T. | May 22, 1885 | By examination. | Ames. | | | |
| 2881 | Bosworth, L. M. | Nov. 3, 1885 | By examination. | Bloomfield. | Humeston. | Mar. 14, 1898 | |
| 2919 | Bengo, Alfred T. | Nov. 3, 1885 | By examination. | Cedar Rapids. | | | Out of business. |
| 2947 | Balheim, C. H. | Jan. 12, 1886 | By examination. | Centerville. | | | |
| 2960 | Bower, J. J. S. | Feb. 5, 1886 | By examination. | Palauk. | Farmington. | Nov. 4, 1888 | |
| 2975 | Raker, W. S. | Mar. 16, 1886 | By examination. | West Union. | Ft. Madison. | Nov. 1, 1888 | |
| 2907 | Burlingham, E. H. | May 18, 1886 | By examination. | Lisbon. | | | Out of business. |
| 3020 | Burd, Edwin | July 27, 1886 | By examination. | Iowa City. | Webster City. | June 9, 1890 | |
| 3050 | Raie, William G. | Sept. 14, 1886 | By examination. | Mapleton. | Clear Lake. | | |
| 3059 | Baas, Leo F. | Sept. 23, 1886 | By examination. | Des Moines. | Defiance. | Nov. 10, 1889 | |
| 3074 | Berringer, Will J. | Sept. 23, 1886 | By examination. | Des Moines. | | | In Kansas City. |
| 3080 | Beck, Louis | Dec. 18, 1886 | By examination. | Albia. | | | |
| 3104 | Bartram, W. C. | Mar. 25, 1887 | Graduate. | Muscataine. | | | |
| 3116 | Rusch, W. C. A. | Jan. 24, 1887 | By examination. | West Union. | | | In Massachusetts. |
| 3118 | Barrell, George M. | Jan. 19, 1887 | By examination. | Quasqueton. | | | |
| 3123 | Riddinger, J. W. | Mar. 21, 1887 | By examination. | Ostian. | | | |
| 3128 | Blaichaine, C. H. | Feb. 14, 1887 | By examination. | Council Bluffs. | | | |
| 3132 | Browa, Erasmus C. | Feb. 25, 1887 | By examination. | Allison. | | | |
| 3155 | Burbank, George W. | Feb. 25, 1887 | By examination. | Vinton. | | | |
| 3181 | Brubaker, C. W. | Feb. 25, 1887 | By examination. | | | | |
| 3162 | Boener, Ed. A. | Feb. 23, 1887 | By examination. | Iowa City. | | | |
| 3163 | Brown, Oscar H. | Mar. 15, 1887 | By examination. | Council Bluffs. | | | |
| 3177 | Benedict, George | Apr. 5, 1887 | By examination. | Maxwell. | | | |
| 3214 | Beldenkopf, G. M. | Apr. 5, 1887 | By examination. | Des Moines. | | | |
| 3218 | Bison, Charles L. | April 19, 1887 | By examination. | Audubon. | Brayton. | June 15, 1887 | |
| 3219 | Brown, Charles J. | May 17, 1887 | By examination. | Dubuque. | | | |
| 3246 | Berryman, A. J. | July 7, 1887 | Graduate. | Bancroft. | | | |
| 3276 | Boerner, Emil L. | July 19, 1887 | By examination. | Iowa City. | | | |
| 3281 | Burke, James F. | Aug. 15, 1887 | Graduate. | Dealson. | | | |
| 3304 | Bechmann, O. C. | Aug. 15, 1887 | Graduate. | Cherokee. | | | |
| 3303 | Bronson, E. C. | Sept. 9, 1887 | By examination. | Battle Creek. | | | |
| 3308 | Baker, Lincoln E. | Sept. 9, 1887 | By examination. | Mason City. | Greene. | Mar. 26, 1891 | |
| 3312 | Baxter, C. V. | Sept. 6, 1887 | By examination. | De Witt. | | | Out of business. |
| 3346 | Bacon, George | Nov. 15, 1887 | By examination. | Cinton. | | | Out of business. |
| 3385 | Briles, W. R. | Jan. 4, 1888 | By examination. | Charlton. | | | |
| 3401 | Begun, Charles A. | Feb. 22, 1888 | By examination. | Cedar Falls. | Des Moines. | May 16, 1890 | |
| 3418 | Bollard, J. B. | Mar. 20, 1888 | By examination. | Fonda. | | | |
| 3427 | Barnard, C. G. | Mar. 27, 1888 | By examination. | Des Moines. | | | |
| 3428 | Bayless, G. D. E. | Mar. 28, 1888 | By examination. | Postville. | Waukon. | April 28, 1889 | In South Dakota |
| 3444 | Blair, James E. | April 17, 1888 | By examination. | Sioux City. | | | |
| 3457 | Bosshard, William E. | May 15, 1888 | By examination. | Sioux City. | | | In Wisconsin. |
| 3483 | Bliss, N. C. | July 3, 1888 | By examination. | Colfax. | | | |
| 3491 | Brink, Milber | July 17, 1888 | By examination. | Boyer. | Manning. | Jan. 11, 1899 | |
| 3502 | Brooks, W. E. | Aug. 10, 1888 | By examination. | Oto. | Schaller. | Aug. 15, 1895 | |
| 3514 | Barlow, A. W. | Aug. 28, 1888 | By examination. | Essex. | Glenwood. | Sept. 24, 1897 | |
| 3519 | Bare, O. H. | Sept. 4, 1888 | By examination. | Winterset. | Pleasantville. | Dec. 5, 1888 | |
| 3527 | Brincken, Anton | Sept. 5, 1888 | By examination. | Rockford. | | | |
| 3546 | Beck, W. E. | Oct. 15, 1888 | By examination. | Moulton. | Ottumwa. | Mar. 13, 1889 | |
| 3584 | Bartholomew, H. H. | Jan. 23, 1889 | By examination. | Marengo. | | | In Quincy, Ill. |
| 3587 | Hergen, O. C. | Jan. 14, 1889 | By examination. | Shellsburg. | | | Out of business. |
| 3590 | Bawford, William M. | Feb. 5, 1889 | By examination. | Dunlap. | | | In Nebraska. |
| 3595 | Richard, Rufus | Feb. 11, 1889 | By examination. | Kellogg. | | | |
| 3597 | Blair, C. A. | Feb. 12, 1889 | By examination. | Creston. | Cherokee. | Sept. 23, 1895 | |
| 3634 | Blinn, S. W. | Mar. 19, 1889 | By examination. | Nashua. | | | |
| 3656 | Bianchini, H. J. | May 15, 1889 | By examination. | Elkader. | La Porte City. | Sept. 4, 1889 | |
| 3660 | Burbank, William J. | June 4, 1889 | By examination. | Spencer. | | | |
| 3693 | Bender, G. B. | July 23, 1889 | By examination. | Maquoketa. | | | |
| 3702 | Burtworth, H. O. | Aug. 10, 1889 | Graduate. | Waverly. | | | |
| 3703 | Boadle, H. H. | Aug. 11, 1889 | By examination. | Millersberg. | | | |
| 3715 | Burns, Warren A. | Aug. 23, 1889 | By examination. | Brandon. | | | |
| 3741 | Bain, John | Oct. 1, 1889 | By examination. | Charlton. | | | |
| 3758 | Beaman, James D. | Oct. 23, 1889 | By examination. | Cedar Falls. | Osecola. | Nov. 4, 1892 | |
| 3773 | Bollbaugh, W. B. | Nov. 26, 1889 | By examination. | Alison. | Parnell. | April 15, 1895 | |
| 3781 | Brown, L. E. | Dec. 14, 1889 | By examination. | Onslow. | | | Out of business. |
| 3782 | Bond, L. L. | Dec. 16, 1889 | By examination. | West Side. | | | |
| 3783 | Boehmer, H. E. | Dec. 16, 1889 | By examination. | Cedar Falls. | Hampden. | Jan. 18, 1890 | |
| 3817 | Beam, Charles H. | Jan. 31, 1890 | By examination. | Mapleton. | Relfe. | Feb. 10, 1894 | |
| 3818 | Bales, D. D. | Feb. 3, 1890 | By examination. | Maxwell. | Ames. | Jan. 18, 1894 | |
| 3830 | Brimhall, W. F. | Feb. 18, 1890 | By examination. | Saxe Centex. | | | |
| 3850 | Brink, H. J. | Mar. 15, 1890 | By examination. | Remsen. | Doon. | Sept. 18, 1893 | |

ABSTRACT—CONTINUED.

| Number of certificates. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|-------------------------|---------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 3859 | Briggs, George H. | Mar. 3, 1890 | Graduate. | Nevada. | | | |
| 3860 | Brinkoff, Carl W. | Mar. 5, 1890 | Graduate. | Pella. | | | |
| 3877 | Branson, L. H. | April 15, 1890 | Graduate. | West Branch. | | | |
| 3880 | Berry, A. S. | May 6, 1890 | Graduate. | Moulton. | Panama. | Aug. 16, 1898 | |
| 3883 | Brown, H. C. | May 20, 1890 | By examination. | Marengo. | | | |
| 3923 | Blackman, R. E. | Aug. 29, 1890 | By examination. | Sioux City. | | | |
| 3968 | Brown, H. F. | Sept. 19, 1890 | By examination. | Fonda. | Everly. | Jan. 13, 1898 | |
| 3971 | Bonney, A. F. | Jan. 2, 1891 | By examination. | Rodney. | Iowa Falls. | Dec. 3, 1891 | |
| 3983 | Barber, Harry A. | Jan. 31, 1891 | By examination. | Cedar Rapids. | | July 23, 1891 | |
| 4000 | Baker, Charles D. | Mar. 3, 1891 | By examination. | Toledo. | | June 22, 1895 | |
| 4004 | Boschnagel, F. | Mar. 2, 1891 | By examination. | Riverside. | | | |
| 4024 | Becker, William | Mar. 7, 1891 | By examination. | Elkader. | | | |
| 4031 | Baize, Theodore T. | April 8, 1891 | By examination. | Sigourney. | Mason City. | July 23, 1896 | |
| 4052 | Brooks, Harry A. | May 8, 1891 | By examination. | Sio. | Lake Park. | Aug. 26, 1898 | |
| 4053 | Barmore, Virge A. | May 19, 1891 | By examination. | Spirit Lake. | | | |
| 4062 | Besser, J. H. | June 1, 1891 | By examination. | Odebohl. | | | |
| 4064 | Benson, Nils J. | June 2, 1891 | By examination. | Burlington. | | | |
| 4094 | Hosworth, A. H. | Aug. 4, 1891 | By examination. | Shellsburg. | | | |
| 4113 | Butterworth, W. F. | Sept. 1, 1891 | By examination. | Andrew. | | | |
| 4128 | Berkley, Samuel L. | Oct. 21, 1891 | By examination. | Woodbine. | | | |
| 4139 | Burgett, William Q. | Nov. 10, 1891 | By examination. | Fort Dodge. | Newell. | June 7, 1892 | |
| 4148 | Blakeslee, J. H. | Nov. 30, 1891 | By examination. | Oskaloosa. | Oskaloosa. | June 6, 1892 | |
| 4149 | Blair, Frank L. | Dec. 1, 1891 | By examination. | Clarinda. | | Jan. 11, 1893 | |
| 4174 | Barkalow, W. B. | Feb. 2, 1892 | By examination. | Atalissa. | | Jan. 2, 1893 | |
| 4184 | Barlow, O. J. | Feb. 18, 1892 | By examination. | Des Moines. | | Jan. 20, 1893 | |
| 4187 | Bear, Winfield S. | Feb. 26, 1892 | By examination. | Decatur City. | | Dec. 20, 1893 | |
| 4188 | Busby, John R. | Feb. 25, 1892 | By examination. | Rose Hill. | | | Out of business. |
| 4205 | Boldink, W. R. | Mar. 2, 1892 | By examination. | Alvord. | | Mar. 27, 1894 | |
| 4215 | Bertsch, George F. | April 5, 1892 | By examination. | Sigourney. | Oskaloosa. | Mar. 20, 1893 | Out of business. |
| 4235 | Boody, Frank D. | May 17, 1892 | By examination. | Garnet. | West Bend. | | |
| 4241 | Brown, Harry L. | June 27, 1892 | Graduate. | Columbus Junction. | | | |
| 4261 | Bliss, George W. H. | June 27, 1892 | Graduate. | McGregor. | | | |
| 4262 | Blie, John | June 7, 1892 | By examination. | Greenfield. | Mount Auburn. | April 2, 1893 | |
| 4265 | Braunworth, A. L. | July 1, 1892 | By examination. | Muscatine. | | | |
| 4269 | Braunlich, Hugo. | July 2, 1892 | Graduate. | Davenport. | | | |
| 4280 | Baker, George B. | Aug. 2, 1892 | By examination. | Keota. | Richland. | Sept. 11, 1894 | |
| 4281 | Beauchamp, C. E. | Aug. 2, 1892 | By examination. | Bloomfield. | | | |

| | | | | | | | |
|------|-----------------------|----------------|-----------------|------------------|----------------|----------------|------------------|
| 4292 | Burgess, Laura B. | Aug. 17, 1892 | Graduate. | Radcliffe. | | | |
| 4311 | Bauer, Julius | June 6, 1892 | By examination. | Des Moines. | | | |
| 4310 | Bowen, R. F. | Oct. 4, 1892 | By examination. | Mason City. | | | |
| 4368 | Barrows, C. H. | June 31, 1893 | By examination. | Lamoni. | | | |
| 4369 | Baeker, W. G. | June 31, 1893 | By examination. | Sloan. | Whiting. | | |
| 4374 | Bowman, W. H. | Feb. 7, 1893 | By examination. | Garnet. | Crystal Lake. | Feb. 20, 1899 | |
| 4385 | Becker, John G. | Feb. 22, 1893 | By examination. | Dubuque. | | | |
| 4392 | Brooks, W. W. | Mar. 7, 1893 | By examination. | Sibley. | Clear Lake. | Mar. 31, 1894 | |
| 4414 | Bauman, Robert. | Mar. 24, 1893 | By examination. | Little Rock. | Meservey. | Nov. 23, 1893 | |
| 4421 | Bernhardt, J. M. | Mar. 8, 1893 | By examination. | Alton. | Le Mars. | Jan. 14, 1895 | |
| 4444 | Blair, Milton M. | May 2, 1893 | By examination. | Creston. | Oskaloosa. | Mar. 21, 1898 | |
| 4455 | Bowman, L. L. | May 2, 1893 | By examination. | Zearing. | | | |
| 4461 | Blagburn, John F. | May 3, 1893 | By examination. | Des Moines. | | | Out of business. |
| 4479 | Burrett, Alva W. | June 24, 1893 | By examination. | West Union. | Stanley. | Aug. 9, 1898 | |
| 4510 | Brunst, L. W. | Sept. 5, 1893 | By examination. | Decorah. | | | |
| 4524 | Biddinger, L. H. | Oct. 3, 1893 | By examination. | Creston. | | | |
| 4536 | Baird, T. J. | Oct. 31, 1893 | By examination. | Wyoming. | Sidney. | Oct. 29, 1898 | |
| 4542 | Burns, Charles E. | Nov. 8, 1893 | By examination. | Ottumwa. | Mt. Vernon. | Mar. 29, 1898 | |
| 4546 | Brown, Eugene F. | Nov. 23, 1893 | By examination. | Maquoketa. | Mason City. | Feb. 11, 1898 | |
| 4558 | Barrett, W. H. | Dec. 12, 1893 | By examination. | Dunlap. | Mallard. | Jan. 24, 1895 | |
| 4561 | Bell, P. H. | Dec. 19, 1893 | By examination. | Van Horn. | | | |
| 4575 | Barnett, J. M. | Feb. 6, 1894 | By examination. | Adel. | Mitchellville. | Feb. 12, 1897 | |
| 4605 | Bunting, Mrs. F. M. | Mar. 8, 1894 | By examination. | Clermont. | Wadena. | Feb. 23, 1899 | |
| 4629 | Buck, Charles W. | April 3, 1894 | By examination. | Rock Valley. | | | |
| 4631 | Bigley, John P. | April 10, 1894 | By examination. | Moulton. | Moravia. | Dec. 1, 1898 | |
| 4647 | Bleakney, E. L. | June 8, 1893 | By examination. | Clarion. | Emmettsburg. | | |
| 4658 | Bray, Frank B. | June 8, 1894 | By examination. | Grand Junction. | Gienwood. | Jan. 22, 1897 | |
| 4659 | Brown, L. W. | June 8, 1894 | By examination. | Danbury. | Ute. | Jan. 9, 1895 | |
| 4696 | Beam, Harry E. | July 3, 1894 | By examination. | Missouri Valley. | | | |
| 4699 | Bolting, A. E. | Aug. 7, 1894 | By examination. | Anamosa. | | | |
| 4753 | Brackeen, Z. E. | May 2, 1893 | By examination. | Kamrar. | Belmont. | Feb. 11, 1898 | |
| 4765 | Bidlack, Joseph L. | Oct. 12, 1894 | By examination. | Modale. | | | |
| 4786 | Brown, J. W. | Dec. 4, 1894 | By examination. | Morning Sun. | Oakville. | Aug. 21, 1897 | |
| 4791 | Bleich, Herman F. | Dec. 18, 1894 | By examination. | Des Moines. | Ledyard. | Sept. 15, 1898 | |
| 4804 | Bruckner, Edw. | Jan. 2, 1894 | By examination. | Bellevue. | Dyersville. | Jan. 20, 1897 | |
| 4828 | Briar, John | Mar. 5, 1895 | By examination. | Des Moines. | | | |
| 4842 | Broxam, A. L. | Mar. 12, 1895 | By examination. | Maquoketa. | | | |
| 4845 | Burcheier, William C. | Mar. 12, 1895 | By examination. | Pacora. | | | |
| 4847 | Barkl, Charles E. | Mar. 19, 1895 | By examination. | Des Moines. | Sac City. | Jan. 3, 1897 | |
| 4860 | Bundy, Edgar A. | April 2, 1894 | By examination. | Aurelia. | | | |
| 4862 | Boyer, W. M. | April 2, 1894 | By examination. | Hamburg. | | | |
| 4876 | Birney, Emma H. | May 7, 1895 | By examination. | Nora Springs. | | | |
| 4889 | Barrager, Emory L. | May 18, 1894 | By examination. | Ashton. | Sheldon. | Mar. 1, 1895 | |
| 4893 | Bradshaw, S. M. M. | June 4, 1895 | By examination. | George. | | | |
| 4915 | Banks, Edw. P. | Oct. 3, 1893 | By examination. | Kingsley. | | | |
| 4940 | Bundy, J. A. | Oct. 29, 1895 | By examination. | Adel. | | | |
| 4967 | Ballard, H. Fry W. | Dec. 14, 1895 | By examination. | Waukegeon. | Waukece. | Dec. 31, 1895 | |
| 4968 | Bowman, Ralph H. | Dec. 31, 1895 | By examination. | Delhi. | | | |
| 4984 | Bush, John A. | Feb. 4, 1896 | By examination. | Colesburg. | Oelwein. | Mar. 24, 1898 | |

ABSTRACT—CONTINUED.

| Number of certificates. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|-------------------------|---------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 4985 | Boyson, G. H. | Feb. 4, 1896 | By examination. | Cedar Falls. | Cedar Rapids. | Aug. 20, 1896 | |
| 4992 | Berkle, John F. | Feb. 4, 1896 | By examination. | Creston. | | | |
| 5002 | Bartlett, W. S. | Feb. 4, 1896 | By examination. | Burlington. | | | |
| 5008 | Bull, A. S. | Mar. 3, 1896 | By examination. | Lenox. | Wellman | Feb. 17, 1897 | |
| 5019 | Butcher, John | Mar. 3, 1896 | By examination. | Knoxville. | Blakesburg | Nov. 24, 1896 | |
| 5045 | Balentine, W. A. | April 7, 1896 | By examination. | Janesville. | Monona | Jan. 8, 1898 | |
| 5057 | Batts, Claude M. | April 7, 1896 | By examination. | Northwood. | Lake Mills | Jan. 29, 1899 | |
| 5067 | Barnes, L. M. | May 5, 1896 | By examination. | Strawberry Point. | | | |
| 5108 | Burt, C. A. | July 7, 1896 | By examination. | Colfax. | | | |
| 5106 | Benthall, Eugene. | July 7, 1896 | By examination. | Marshalltown. | Lake Park | Sept. 6, 1897 | |
| 5109 | Bogle, Grace A. | July 7, 1896 | By examination. | Wayland | Pawnee City, Neb. | | |
| 5141 | Benam, S. Alcinda | Sept. 1, 1896 | By examination. | Iowa City. | | | |
| 5143 | Beard, E. L. | Sept. 1, 1896 | By examination. | Grinnell. | | | |
| 5163 | Brock, W. B. | Nov. 10, 1896 | By examination. | Ohn. | | | |
| 5178 | Beck, J. Conrad | Dec. 1, 1896 | By examination. | Bellevue. | | | |
| 5177 | Hartz, Edward R. | Dec. 1, 1896 | By examination. | Rockford. | | | |
| 5183 | Beard, Abner E. | Jan. 14, 1897 | By examination. | De Witt. | | | |
| 5210 | Barrett, G. N. | Mar. 2, 1897 | By examination. | Boone. | | | |
| 5224 | Brown, J. H. | Mar. 9, 1897 | By examination. | Davenport. | Maquoketa. | Nov. 19, 1897 | |
| 5245 | Babcock, C. B. | April 6, 1897 | By examination. | Des Moines. | | | |
| 5247 | Blanchard, H. E. | April 6, 1897 | By examination. | Wapello. | | | |
| 5248 | Breen, Joseph W. | April 6, 1897 | By examination. | Iowa City. | | | |
| 5253 | Rancho, R. J. | April 6, 1897 | By examination. | Conrad. | Ft. Dodge | May 8, 1897 | |
| 5257 | Biglow, Zella. | April 6, 1897 | By examination. | Lost Nation | Charter Oak | Mar. 28, 1898 | |
| 5266 | Brown, Lewis O. | May 4, 1897 | By examination. | Northwood. | | | |
| 5280 | Babcock, H. M. | June 1, 1897 | By examination. | Rathven. | | | |
| 5283 | Brattain, James. | June 1, 1897 | By examination. | Oskaloosa. | | | |
| 5294 | Barry, John A. | Aug. 3, 1897 | By examination. | Dyersville. | Farley | Nov. 9, 1897 | |
| 5303 | Brimhall, C. W. | Aug. 3, 1897 | By examination. | Webster City. | Anamosa | Aug. 9, 1898 | |
| 5308 | Brown, Will E. | Aug. 3, 1897 | By examination. | Des Moines. | Bloomfield | Jan. 31, 1898 | |
| 5315 | Brunk, L. D., Jr. | Aug. 21, 1897 | Graduate. | Wauke | Kennedy | Jan. 11, 1898 | |
| 5317 | Bundy, O. M. | Sept. 7, 1897 | By examination. | Goodall. | | | |
| 5329 | Burtz, G. W. | Sept. 7, 1897 | By examination. | Leon. | | | |
| 5333 | Bell, Edgar E. | Oct. 10, 1897 | By examination. | Clinton. | | | |
| 5344 | Boyd, John C. | Oct. 9, 1897 | Graduate. | Sioux City. | | | |
| 5351 | Baker, Howard S. | Nov. 4, 1897 | By examination. | Monticello. | Des Moines | Dec. 7, 1897 | |
| 5356 | Baum, John W. | Nov. 9, 1897 | By examination. | | | | |
| 5361 | Blood, John J. | Dec. 7, 1897 | By examination. | Clinton. | | | |
| 5367 | Rayless, Morton M. | Dec. 7, 1897 | By examination. | Elkader. | | | |
| 5385 | Rale, George W. | Feb. 1, 1898 | By examination. | Webster City. | | | |
| 5388 | Rixney, C. W. | Feb. 1, 1898 | By examination. | Creston. | | | |
| 5388 | Rusby, Edward E. | Feb. 1, 1898 | By examination. | Webster City. | | | |
| 5404 | Reck, C. C. | Mar. 1, 1898 | By examination. | Marion. | | | |
| 5406 | Buck, Ernest M. | Mar. 1, 1898 | By examination. | McGregor. | Floyd | April 6, 1898 | |
| 5424 | Bartholow, E. L. | Mar. 5, 1898 | By examination. | Des Moines. | Clemmons | July 11, 1899 | |
| 5423 | Batty, Alfred. | April 5, 1898 | By examination. | Marshalltown. | | | |
| 5485 | Buss, Fred J. | Mar. 31, 1898 | Graduate. | Iowa City. | | | |
| 5490 | Bradshaw, L. S. | May 8, 1898 | By examination. | Fairfield. | | | |
| 5503 | Barr, Henry J. | June 7, 1898 | By examination. | Vinton. | Winterset. | April 21, 1899 | |
| 5515 | Becker, Caroline M. | July 27, 1898 | Graduate. | Elkader. | | | |
| 5522 | Blaesser, Walter A. | July 27, 1898 | Graduate. | Hawarden. | | | |
| 5528 | Beer, M. H. | July 7, 1898 | By examination. | Cincinnati. | Centerville | Aug. 23, 1898 | |
| 5535 | Bradish, W. C. | Aug. 3, 1898 | Graduate. | Des Moines. | | | |
| 5536 | Bradish, Charles E. | Aug. 3, 1898 | Graduate. | Des Moines. | Sioux City | May 27, 1899 | |
| 5542 | Bedier, V. L. | Aug. 3, 1898 | Graduate. | Leon. | | | |
| 5553 | Barnes, Rutherford. | Aug. 2, 1898 | By examination. | State Center. | Conrad | Oct. 1, 1898 | |
| 5557 | Brown, J. C. | Oct. 2, 1898 | By examination. | Manchester. | | | |
| 5561 | Bender, Ed. R. | Sept. 7, 1898 | Graduate. | Spencer. | | | |
| 5563 | Bowman, William T. | Sept. 7, 1898 | Graduate. | Des Moines. | | | |
| 5564 | Bread, Robert V. | Sept. 7, 1898 | Graduate. | Davenport. | | | |
| 5565 | Bedier, Eugenia L. | Sept. 7, 1898 | Graduate. | Leon. | | | |
| 5613 | Bowen, Charles A. | Jan. 3, 1899 | Graduate. | Keokuk. | | | |
| 5630 | Bitner, O. W. | Jan. 3, 1899 | By examination. | Le Claire. | | | |
| 5628 | Brorson, Niels O. | Feb. 7, 1899 | Graduate. | Audubon. | | | |
| 5749 | Brown, Thomas W. | Feb. 7, 1899 | By examination. | Columbus Junction. | | | |
| 5640 | Bell, Charles S. | April 7, 1899 | By examination. | West Union. | | | |
| 5660 | Brimes, Paul O. | Mar. 7, 1899 | Graduate. | Des Moines. | | | |
| 5663 | Benham, L. A. | Mar. 7, 1899 | Graduate. | Iowa City. | | | |
| 5667 | Burton, John R. | Mar. 7, 1899 | By examination. | Merrill. | Kingsley | Aug. 12, 1899 | |
| 5669 | Breidenbach, J. A. | Mar. 4, 1899 | By examination. | Des Moines. | | | |
| 5707 | Bascomb, F. W. | June 6, 1899 | Graduate. | Des Moines. | | | |
| 5721 | Bronson, George S. | July 6, 1899 | Graduate. | McGregor. | | | |
| 5728 | Reck, Fred O. | July 6, 1899 | Graduate. | Dubuque. | | | |
| 5749 | Brimcken, Herman | July 18, 1899 | By examination. | Rockford. | | | |
| 5751 | Billingsley, R. F. | July 18, 1899 | By examination. | Hampton. | | | |
| 5759 | Bruner, W. A. | Aug. 1, 1899 | Graduate. | Lineville. | | | |
| 5770 | Basart, C. E. | Aug. 1, 1899 | Graduate. | Menlo. | Minburn | Aug. 8, 1899 | |
| 10 | Cain, John G. | June 2, 1880 | As owner. | Polo. | | | |
| 13 | Cross, John T. | June 2, 1880 | As owner. | Farmington. | | | |
| 91 | Clure, Joseph | June 9, 1880 | As owner. | Elliott. | Des Moines | Oct. 10, 1892 | Out of business. |
| 173 | Cloughly, William | June 15, 1880 | As owner. | Audubon. | | | |
| 214 | Carter, George. | June 14, 1880 | As owner. | Le Mars. | | | |
| 244 | Cherry, J. W. | June 7, 1880 | As owner. | Afton. | Creston | April 29, 1895 | |
| 492 | Cole, T. E. | June 23, 1880 | As owner. | Marysville. | | | |
| 587 | Clarke, George D. | June 5, 1880 | As owner. | Fairfield. | | | |
| 600 | Cole, John L. | June 15, 1880 | As owner. | Greene. | | | |
| 616 | Crow, William M. | June 5, 1880 | As owner. | Grand Junction. | | | |

ABSTRACT—CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|----------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 707 | Camp, Americus. | June 4, 1880 | As owner. | Kellerton. | | | |
| 708 | Camp, Marshall. | June 4, 1880 | As owner. | Kellerton. | | | |
| 874 | Oanon, J. H. | June 5, 1880 | As owner. | Muscatine. | | | |
| 960 | Churchill, Frank. | July 5, 1880 | As assistant. | Burlington. | | | |
| 1007 | Castle, Charles A. | June 16, 1880 | As assistant. | Ottumwa. | | | |
| 1151 | Childs, H. A. | July 6, 1880 | As owner. | Lenox. | | | |
| 1253 | Coffin, R. M. | June 9, 1880 | As owner. | Tama City. | | | |
| 1300 | Chicot, William E. | June 18, 1880 | As owner. | Washington. | | | |
| 1301 | Cook, William A. | June 18, 1880 | As owner. | Washington. | | | |
| 1405 | Cummings, M. L. | July 14, 1880 | As owner. | La Porte City. | | | |
| 1421 | Clark, Eston R. | June 26, 1880 | As owner. | Seymour. | | | |
| 1450 | Coaling, A. A. | July 17, 1880 | As owner. | Wilton Junction. | | | |
| 1459 | Cole, D. L. | July 4, 1880 | As owner. | Bussey. | Oskaloosa. | Mar. 23, 1897 | |
| 1491 | Clemmer, J. J. | June 14, 1880 | As owner. | Cresco. | | | |
| 1609 | Clark, Edwin A. | Aug. 27, 1880 | As owner. | Davenport. | Princeton. | June 17, 1896 | |
| 1700 | Carroll, J. M. | Sept. 17, 1880 | By examination. | Pomeroy. | Laurens. | July 2, 1883 | |
| 1688 | Campbell, William J. | Aug. 28, 1880 | By examination. | Fort Dodge. | | | |
| 1708 | Carmichael, J. H. | Aug. 24, 1880 | By examination. | Davenport. | Emmetsburg. | Sept. 12, 1888 | |
| 1821 | Crosby, W. A. | Oct. 14, 1880 | By examination. | Mason City. | | | |
| 1889 | Chamberlain, L. | Aug. 30, 1880 | By examination. | Marion. | Des Moines. | April 29, 1885 | Out of business. |
| 2126 | Cookley, J. W. | May 27, 1881 | By examination. | Mount Etna. | | | |
| 2128 | Cochran, M. H. | May 20, 1881 | By examination. | Morsing Sun. | | | |
| 2125 | Corie, Frederick | May 28, 1881 | By examination. | Union. | | | |
| 2123 | Camp, Eli R. | July 23, 1881 | By examination. | Keokuk. | | | |
| 2194 | Christy, W. D. | Aug. 19, 1881 | By examination. | Afton. | Shannon City. | June 10, 1889 | |
| 2304 | Conger, E. J. | Aug. 10, 1881 | By examination. | Manchester. | | | |
| 2329 | Cary, George T. | Aug. 29, 1881 | By examination. | Lewis. | Grant. | Dec. 5, 1883 | |
| 2334 | Cogswell, S. G. | Sept. 1, 1881 | By examination. | Ottumwa. | Des Moines. | Nov. 29, 1889 | |
| 2385 | Cameron, C. E. | Nov. 4, 1881 | By examination. | Storm Lake. | Alta. | Dec. 7, 1883 | |
| 2381 | Cocquillet, L. | Feb. 25, 1882 | By examination. | Nugent's Grove. | | | In Illinois. |
| 2421 | Channell, L. M. | April 28, 1882 | By examination. | Montezuma. | | | |
| 2448 | Crapsier, Jule H. | April 7, 1882 | By examination. | Hampton. | | | In colonies. |
| 2449 | Crisinger, J. C. | June 6, 1882 | By examination. | Farmerville. | | | |
| 2564 | Corkhill, Charles E. | Jan. 2, 1882 | By examination. | Bloomfield. | Oskaloosa. | May 18, 1896 | |
| 2566 | Connor, Arthur F. | Jan. 10, 1882 | By examination. | Avoca. | | | |
| 2622 | Cunningham, A. S. | April 24, 1882 | By examination. | Coggon. | | | In Benwick. |
| 2682 | Copper, W. T. | Sept. 12, 1882 | By examination. | Le Mars. | Larchwood. | Nov. 4, 1892 | In Polo, Ill. |
| 2691 | Cooke, V. W. | Oct. 22, 1883 | By examination. | Lake City. | | | |
| 2716 | Cornish, J. V. | Feb. 1, 1884 | By examination. | Wail Lake. | | | In Illinois. |
| 2740 | Camp, John W. | April 15, 1884 | By examination. | Council Bluffs. | | | |
| 2792 | Campbell, O. E. | Aug. 5, 1884 | By examination. | Collins. | | | |
| 2817 | Clark, S. W. E. | Nov. 21, 1884 | By examination. | Magnolia. | (Magnolia only). | | |
| 2874 | Conley, H. C. | April 21, 1885 | By examination. | Magnolia. | | | Out of business. |
| 2949 | Connolly, William | Dec. 1, 1885 | By examination. | Cresco. | | | Out of business. |
| 2972 | Chase, Willard | Feb. 19, 1886 | By examination. | West Liberty. | | | |
| 2974 | Cole, George T. | Feb. 2, 1886 | By examination. | Greene. | | | |
| 2990 | Crady, Edward E. | Mar. 9, 1886 | By examination. | Cherokee. | Sioux City. | July 30, 1888 | |
| 3085 | Cole, I. G. | May 13, 1886 | By examination. | Williams. | Dayton. | July 9, 1886 | |
| 3098 | Craley, J. W. | May 18, 1886 | By examination. | Lohrville. | | | Out of business. |
| 3071 | Ouplin, Pascal T. | Sept. 7, 1888 | By examination. | Emmetsburg. | West Bend. | Mar. 29, 1889 | |
| 3081 | Cope, W. L. | Oct. 5, 1888 | By examination. | Atalissa. | Muscatine. | Jan. 5, 1888 | |
| 3083 | Colvin, A. W. | Oct. 5, 1888 | By examination. | Manchester. | | | |
| 3096 | Capwell, D. H. | Nov. 2, 1888 | By examination. | Garrison. | | | Out of business. |
| 3112 | Cameron, Ira F. | Jan. 4, 1887 | By examination. | Keosauk. | | | |
| 3138 | Core, George W. | Feb. 25, 1887 | By examination. | Roife. | | | |
| 3235 | Chatterlin, S. E. | Oct. 4, 1887 | By examination. | Winterset. | | | |
| 3256 | Cole, Ed. W. | Dec. 16, 1887 | By examination. | Des Moines. | Villsca. | April 16, 1897 | |
| 3286 | Clark, F. B. E. | Feb. 27, 1888 | Graduate. | Ottumwa. | | | |
| 3289 | Carmichael, J. H. | Feb. 20, 1888 | By examination. | Rockwell City. | Ashton. | Jan. 25, 1890 | |
| 3400 | Clarkson, Robert A. | Feb. 22, 1888 | By examination. | Cedar Rapids. | | | |
| 3448 | Cunningham, T. C. | April 4, 1888 | By examination. | Clinton. | Clinton. | April 18, 1889 | In Illinois. |
| 3490 | Connors, John. | Aug. 21, 1888 | By examination. | Mapleton. | | | |
| 3515 | Chapin, George C. | Aug. 30, 1888 | By examination. | Hastings. | | | |
| 3533 | Cutler, C. F. | Sept. 18, 1888 | By examination. | Deep River. | | | |
| 3547 | Chapman, C. C. | Oct. 30, 1888 | By examination. | Des Moines. | Des Moines. | Aug. 24, 1895 | |
| 3549 | Cummings, I. P. | Oct. 29, 1888 | By examination. | Sioux City. | | | |
| 3602 | Cox, John C. | Feb. 19, 1889 | By examination. | Washington. | Burlington. | Mar. 2, 1892 | |
| 3613 | Cole, James H. | Mar. 8, 1889 | By examination. | Thurman. | | | |
| 3623 | Cook, Charles A. | Mar. 19, 1889 | By examination. | New Hampton. | Ocheyedan. | Aug. 30, 1897 | |
| 3637 | Cagwin, Joel E. | April 9, 1889 | By examination. | Boone. | Sioux City. | Sept. 16, 1898 | |
| 3647 | Chase, Charles W. | April 22, 1889 | By examination. | Davenport. | | | |
| 3651 | Coffman, W. T. | May 7, 1889 | Graduate. | South English. | | | |
| 3653 | Cox, G. W. | May 7, 1889 | By examination. | Council Bluffs. | Des Moines. | Mar. 23, 1893 | |
| 3690 | Cole, Victor F. | May 21, 1889 | By examination. | Dayton. | Jewell Junction. | July 17, 1895 | |
| 3880 | Carl, F. F. | June 18, 1889 | By examination. | Nichols. | | | |
| 3710 | Cooper, B. F. | Aug. 29, 1889 | By examination. | Clinton. | Muchakinock. | Nov. 4, 1892 | |
| 3723 | Collins, Carrie S. | Sept. 3, 1889 | By examination. | Garner. | | | |
| 3733 | Cottrell, George D. | Sept. 17, 1889 | By examination. | Spencer. | | | |
| 3764 | Camp, George E. | Nov. 5, 1889 | By examination. | Council Bluffs. | | | |
| 3784 | Culbertson, J. W. | Dec. 16, 1889 | By examination. | Iowa City. | Center Point. | July 2, 1896 | |
| 3788 | Cobb, Edward T. | Dec. 19, 1889 | By examination. | Utah Union. | Arkron. | Dec. 7, 1897 | |
| 3797 | Chandler, C. H. | Jan. 7, 1890 | By examination. | Rodney. | Cedar Rapids. | | Out of business. |
| 3814 | Cronk, Charles H. | Jan. 20, 1890 | By examination. | Gilman. | Bloomfield. | June 17, 1890 | |
| 3819 | Connolly, J. F. | Feb. 4, 1890 | By examination. | Cresco. | | | |
| 3836 | Campbell, D. C. | Mar. 4, 1890 | By examination. | Crawfordsville. | | | |
| 3852 | Collins, D. C. | Mar. 1, 1890 | Graduate. | Fairfield. | | | |
| 3875 | Cole, Charles F. | April 15, 1890 | By examination. | Dayton. | | | |

ABSTRACT—CONTINUED.

| Number of certificates. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|-------------------------|---------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|-------------------------------------|
| 3919 | Chadwick, J. B. | Aug. 5, 1890 | By examination. | Salix. | Hospers. | Nov. 12, 1907 | |
| 3974 | Ochran, W. L. | Jan. 13, 1891 | By examination. | Burlington. | | | |
| 3984 | Cole, W. F. | Feb. 3, 1891 | By examination. | Renwick. | Jewell Junction. | Sept. 20, 1894 | |
| 3987 | Carver, W. F. | Feb. 5, 1891 | By examination. | Winterset. | Pt. Dodge. | Mich. 6, 1899 | |
| 4030 | Clark, John W. | April 7, 1891 | By examination. | Moulton. | Centerville. | Aug. 7, 1891 | |
| 4058 | Cunningham, C. L. | Mar. 26, 1891 | By examination. | Des Moines. | Woden. | Mich. 13, 1899 | |
| 4043 | Curtis, H. E. | May 1, 1891 | By examination. | Menlo. | | | Out of business. Left the state. |
| 4064 | Clingan, William A. | June 1891 | Graduate. | Sioux City. | | | |
| 4073 | Crew, A. S. | June 2, 1891 | By examination. | Salem. | | | |
| 4095 | Coltrane, M. B. | Aug. 5, 1891 | By examination. | Thayer. | Afton. | Jan. 14, 1892 | |
| 4098 | Crowe, Will. | Aug. 11, 1891 | By examination. | Clermont. | | | |
| 4155 | Cowan, John D. | Dec. 8, 1891 | By examination. | Iowa Falls. | | | |
| 4168 | Clements, I. W. | Feb. 1, 1892 | By examination. | Marengo. | | | |
| 4176 | Coveny, T. H. | Feb. 23, 1892 | By examination. | Knoxville. | Mechanicsville. | Feb. 22, 1899 | |
| 4185 | Carmichael, O. O. | Feb. 23, 1892 | By examination. | Ashton. | Lohrville. | May 5, 1899 | |
| 4188 | Carpenter, O. C. | Feb. 26, 1892 | By examination. | Galesburg. | Des Moines. | April 7, 1892 | |
| 4192 | Card, n. George R. | Mar. 1, 1892 | By examination. | Burlington. | Albia. | Mar. 25, 1893 | |
| 4200 | Collins, E. O. | Mar. 7, 1892 | Graduate. | R-d Oak. | | | |
| 4201 | Cox, James Ed. | Mar. 12, 1892 | Graduate. | Des Moines. | Washington. | May 5, 1899 | |
| 4209 | Coppock, William. | April 5, 1892 | By examination. | Mason City. | | —, 1895 | |
| 4210 | Corad, G. B. | April 5, 1892 | By examination. | Prairie City. | | | |
| 4230 | Campbell, R. M. | May 5, 1892 | By examination. | Ottumwa. | | | |
| 4243 | Cuplin, H. S. | June 7, 1892 | By examination. | West Bend. | Kellerton. | Sept. 26, 1898 | |
| 4248 | Galkins, H. G. | June 24, 1892 | By examination. | Greenfield. | | | |
| 4253 | Quiverson, F. P. | June 24, 1892 | By examination. | Greenfield. | | | |
| 4271 | Carver, E. J. | July 12, 1892 | By examination. | Collins. | Colo. | Oct. 5, 1895 | |
| 4272 | Corey, C. S. | July 20, 1892 | By examination. | Lehigh. | Odeboit. | July 26, 1899 | |
| 4285 | Cole, H. B. | July 13, 1892 | By examination. | Renwick. | | | |
| 4282 | Coigan, F. L. | Nov. 1, 1892 | By examination. | Conrad. | Gilmore City. | April 26, 1895 | |
| 4292 | Curtis, H. M. | Nov. 8, 1892 | By examination. | Churdan. | Packwood. | April 16, 1897 | |
| 4333 | Carris, E. C. | Nov. 1, 1892 | By examination. | Des Moines. | Washington. | Feb. 18, 1895 | |
| 4351 | Converse, L. E. | Dec. 27, 1892 | By examination. | Fort Dodge. | Waverly. | Feb. 9, 1893 | |
| 4351 | Campbell, L. R. | Dec. 15, 1892 | By examination. | Davenport. | | | |
| 4362 | Coad, James A. | Jan. 10, 1893 | By examination. | Hill. | | | |
| 4363 | Casavaw, George H. | Jan. 17, 1893 | By examination. | Montezuma. | Sac City. | June 2, 1893 | |
| 4382 | Crain, W. L. | Feb. 8, 14193 | By examination. | Lone Tree. | Cushing. | May 14, 1894 | |
| 4388 | Cowles, V. D. | Feb. 8, 28153 | By examination. | Des Moines. | | | |
| 4406 | Corfe, William N. | Mar. 6, 1893 | By examination. | Union. | | | |
| 4423 | Crabbe, A. A. | Mar. 6, 1893 | By examination. | Keokuk. | | | In Memphis, Mo. |
| 4427 | Campbell, R. W. | April 3, 1893 | By examination. | North English. | Mt. Pleasant. | July 27, 1898 | |
| 4429 | Coppock, Wood. | April 4, 1893 | By examination. | Kussatine. | Buffalo. | Oct. 12, 1894 | |
| 4439 | Carlisle, Glenn A. | April 22, 1893 | By examination. | Atlantic. | | | |
| 4454 | Curtis, George C. | May 9, 1893 | By examination. | Cresco. | | | |
| 4456 | Clemmer, P. O. C. | May 2, 1893 | By examination. | Farkersburg. | | | |
| 4466 | Cunningham, C. E. | June 5, 1893 | By examination. | Oskaloosa. | | | |
| 4483 | Carmas, C. P. | July 5, 1893 | By examination. | Oedar Rapids. | | | |
| 4489 | Cady, Frank C. | Aug. 1, 1893 | By examination. | Atlantic. | | | |
| 4490 | Carton, John A. | Aug. 1, 1893 | By examination. | Ackley. | Britt. | Feb. 7, 1894 | |
| 4501 | Chapman, J. M. | Aug. 9, 1893 | By examination. | Princeton. | Mapleton. | Mar. 9, 1896 | |
| 4504 | Cottam, C. M. | Aug. 10, 1893 | Graduate. | Marshalltown. | St. Charles. | Aug. 10, 1895 | |
| 4505 | Cronk, Alfred P. | Aug. 23, 1893 | By examination. | Montour. | Bancroft. | Jan. 15, 1895 | |
| 4507 | Cooper, George E. | Dec. 5, 1893 | By examination. | Peterson. | | | |
| 4563 | Cushman, R. A. | Jan. 2, 1894 | By examination. | Sanborn. | | | |
| 4572 | Childress, M. | Feb. 5, 1894 | By examination. | Unionville. | | | |
| 4590 | Carse, G. H. | Mar. 6, 1894 | By examination. | Pleasant Plain. | Winfield. | Feb. 27, 1898 | |
| 4595 | Cooke, F. W. | Mar. 6, 1894 | By examination. | Swaledale. | | | In Wisconsin. |
| 4598 | Conklin, W. S. | Mar. 6, 1894 | By examination. | Des Moines. | | | |
| 4610 | Culver, Edgar E. | Mar. 8, 1894 | By examination. | Sibley. | Matlock. | Sept. 16, 1895 | |
| 4627 | Coad, N. G. O. | April 3, 1894 | By examination. | Hull. | | | |
| 4634 | Cole, Mrs. Ella C. | April 17, 1894 | By examination. | Renwick. | | | |
| 4664 | Carpenter, Fred F. | June 19, 1894 | By examination. | Des Moines. | | | |
| 4675 | Cassaday, Leon M. | June 5, 1894 | By examination. | Denison. | | | |
| 4681 | Crow, Raymond E. | Oct. 12, 1893 | By examination. | Grand Junction. | | | |
| 4725 | Cleasly, A. B. | Sept. 4, 1894 | By examination. | Correctionville. | Libertyville. | Jan. 27, 1899 | |
| 4750 | Crossman, W. P. | Oct. 2, 1894 | By examination. | Toledo. | Tama. | Jan. 14, 1896 | |
| 4764 | Cope, Francis C. | Oct. 30, 1894 | By examination. | Wilton Junction. | | | |
| 4768 | Cole, Omer L. | Nov. 15, 1894 | By examination. | Oedar Rapids. | | | |
| 4770 | Cradlick, W. W. | Nov. 19, 1894 | By examination. | Knoxville. | | | |
| 4783 | Crosley, Mont. | Dec. 4, 1894 | By examination. | Laurens. | Randall. | Dec. 30, 1897 | |
| 4785 | Coveny, J. Frank. | Dec. 4, 1894 | By examination. | Chelsea. | Eldora. | Mar. 16, 1898 | |
| 4818 | Collins, P. D. | Feb. 5, 1895 | By examination. | Emmettsburg. | Graettinger. | Feb. 29, 1895 | |
| 4829 | Cloe, John W. | Mar. 5, 1895 | By examination. | Knoxville. | | | |
| 4834 | Catlin, F. S. | Mar. 5, 1895 | By examination. | Iowa Falls. | Gowrie. | Feb. 9, 1899 | |
| 4864 | Clarke, Anna Z. | April 2, 1894 | By examination. | Wapello. | | | |
| 4892 | Cilley, Will W. | June 5, 1894 | By examination. | Wapello. | Keokuk. | Sept. 15, 1897 | |
| 4894 | Cheesbro, Nellie. | June 4, 1895 | By examination. | Jesup. | | | |
| 4901 | Cavanaugh, E. I. | July 2, 1895 | By examination. | Union. | | | |
| 4915 | Counterline, J. H. | Aug. 9, 1895 | By examination. | Marcus. | Salix. | Mar. 31, 1898 | |
| 4926 | Corfe, Edw. W. | Sept. 10, 1895 | By examination. | Union. | | | |
| 4927 | Conner, Edw. E. | Sept. 10, 1895 | By examination. | Livermore. | | | |
| 4954 | Clemens, W. O. | Dec. 3, 1895 | By examination. | Wapello. | | | |
| 4956 | Cooke, S. R. | Dec. 3, 1895 | By examination. | Wall Lake. | | | |
| 4969 | Collins, E. L. | Feb. 4, 1896 | By examination. | West Union. | Winthrop. | Aug. 8, 1896 | |
| 5005 | Carpenter, G. M. | Feb. 25, 1896 | By examination. | Des Moines. | Mason City. | | |
| 5007 | Connolly, F. L. | Mar. 3, 1896 | By examination. | Agency. | Hedrick. | May 6, 1898 | |
| 5048 | Cameron, Mabel. | April 7, 1896 | By examination. | Keosauk. | | | |

ABSTRACT—CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|--------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|----------|
| 5066 | Carmichael, Lola | April 21, 1896 | By examination | Ashton. | | | |
| 5066 | Carr, O. G. | June 2, 1896 | By examination | Moulton. | Unionville | June 20, 1896 | |
| 5066 | Conger, H. G. | June 2, 1896 | By examination | Manchester. | Laporte | Oct. 4, 1897 | |
| 5128 | Corwin, J. W. | Jan. 3, 1894 | By examination | Milton. | Kinross. | June 13, 1897 | |
| 5134 | Copeland, Jay | Dec. 1, 1896 | By examination | Fairfield. | | | |
| 5147 | Cantwell, J. Y. | Sept. 2, 1896 | Graduate | Davenport | Maquoketa | Mar. 18, 1897 | |
| 5154 | Coon, L. B. | Oct. 6, 1896 | By examination | Des Moines. | | | |
| 5164 | Carter, J. H. | Nov. 10, 1896 | By examination | Des Moines. | Collins | April 28, 1899 | |
| 5165 | Carson, Sade M. | Nov. 10, 1896 | By examination | New Sharon. | | | |
| 5173 | Collins, A. R. | Dec. 1, 1896 | By examination | Traer | | | |
| 5212 | Cahill, J. L. | Mar. 2, 1897 | By examination | Buffalo Center | Thompson | June 25, 1897 | |
| 5226 | Cooper, Zada | Mar. 9, 1897 | By examination | Quasqueton | Iowa City | June 4, 1897 | |
| 5230 | Cook, Blanche E. | May 4, 1897 | By examination | Casey. | Lost Nation | Aug. 31, 1897 | |
| 5287 | Crawford, C. A. | July 6, 1897 | By examination | Bristow. | | | |
| 5288 | Curran, W. D. | July 6, 1897 | By examination | Morning Sun. | | | |
| 5302 | Coons, Oscar A. | Aug. 7, 1897 | Graduate | Carson | | | |
| 5353 | Clark, C. B. | Nov. 4, 1897 | By examination | Gilbert Station. | | | |
| 5379 | Coleman, Carl | Jan. 4, 1898 | By examination | Farragut. | | | |
| 5380 | Cook, Roy L. | Jan. 4, 1898 | By examination | North English. | | | |
| 5388 | Childs, A. A. | Feb. 1, 1898 | By examination | Lenox. | | | |
| 5389 | Cameron, J. Ross | Feb. 1, 1898 | By examination | Manchester | Winthrop | May 17, 1899 | |
| 5391 | Cajacob, J. R. | Feb. 1, 1898 | By examination | Sibley | Little Rock | Oct. 6, 1898 | |
| 5402 | Coie, William O. | Feb. 1, 1898 | By examination | | | | |
| 5425 | Coie, Ernest R. | Mar. 1, 1898 | By examination | Laurens. | Peterson | May 31, 1899 | |
| 5437 | Christens-n, S. A. | Aug. 6, 1895 | By examination | Sioux Rapids. | Toledo. | Sept. 27, 1898 | |
| 5459 | Cullen, F. W. | April 5, 1898 | By examination | Ottumwa. | Winterset | June 13, 1899 | |
| 5460 | Campbell, Boston | April 5, 1898 | By examination | | | | |
| 5461 | Dragg, George W. | April 5, 1898 | By examination | Mason City. | | | |
| 5463 | Garney, F. H. | May 3, 1898 | By examination | Cedar Falls. | | | |
| 5498 | Chilson, E. M. | June 7, 1898 | By examination | Ocheyedan. | | | |
| 5514 | Carr, Edward | July 27, 1898 | Graduate | Sally. | | | |
| 5515 | Cutler, C. O. | July 27, 1898 | Graduate | Ft. Madison. | | | |
| 5537 | Carmack, George W. | Aug. 3, 1898 | By examination | Des Moines | | | |
| 5555 | Oriswell, J. W. | Aug. 2, 1898 | By examination | Villisca. | | | |
| 5577 | Campbell, James B. | Oct. 4, 1898 | Graduate | Des Moines | Independence | July 7, 1899 | |
| 5588 | Clutter, R. C. | Oct. 4, 1898 | By examination | Newton | Ames | Oct. 23, 1898 | |
| 5591 | Carver, R. F. | Nov. 1, 1898 | By examination | Celo | Burnside | Mar. 27, 1899 | |

| | | | | | | | |
|------|--------------------|----------------|----------------|--------------------|-----------------|---------------|------------------|
| 5597 | Christensen, John | Nov. 1, 1898 | Graduate | Ft. Dodge. | | | |
| 5621 | Carr, John J. | Jan. 3, 1899 | By examination | Melrose | | | |
| 5630 | Coady, John J. | Feb. 7, 1899 | Graduate | Muscatine. | | | |
| 5653 | Coulson, H. C. | Mar. 4, 1899 | Graduate | Brooklyn | Clarion | June 20, 1899 | |
| 5654 | Campbell, Le Roy | Mar. 7, 1899 | Graduate | Council Bluffs. | | | |
| 5670 | Cash, W. Frank | April 4, 1899 | By examination | Underwood. | | | |
| 5673 | Coy, Matt C. | April 4, 1899 | By examination | Haleton. | | | |
| 5679 | Conry, William C. | April 29, 1899 | Graduate | Waterloo | Larchwood | May 17, 1899 | |
| 5689 | Carstens, L. F. | May 17, 1899 | Graduate | Davenport. | | | |
| 5717 | Chamberlain, L. H. | July 6, 1899 | Graduate | Des Moines. | | | |
| 5744 | Oritz, L. W. | July 18, 1899 | By examination | Riverside. | | | |
| 5754 | Cain, R. B. | Aug. 1, 1899 | Graduate | Estherville. | | | |
| 5756 | Corbett, James H. | Aug. 1, 1899 | Graduate | Bayard. | | | |
| 5768 | Clayman, W. R. | Aug. 1, 1899 | Graduate | Des Moines. | | | |
| 5791 | Crozin, D. J. | Aug. 1, 1899 | By examination | Charter Oak. | | | |
| 77 | Conlavy, James | June 8, 1880 | As principal | Sales | | | |
| 205 | Dierkes, Charles | June 21, 1880 | As owner | Bellevue. | | | |
| 220 | Diehl, Phillip H. | June 15, 1880 | As owner | Le Mars. | | | |
| 340 | Dunbar, George B. | June 12, 1880 | As owner | Center Point. | | | |
| 762 | Davis, Mahlon J. | June 7, 1880 | As owner | Lewis. | | | |
| 868 | Deutschman, A. | June 5, 1880 | As assistant | Muscatine. | | | |
| 889 | Dawkins, Benj. M. | June 17, 1880 | As owner | Mineral Ridge. | | | |
| 892 | Dean, C. A. H. | June 14, 1780 | As owner | Monona. | | | |
| 917 | Dunn, John W. | July 1, 1880 | As owner | Derby. | | | |
| 958 | Durant, A. H. | July 3, 1880 | As owner | Algona. | | | |
| 959 | Durant, H. | July 2, 1880 | As owner | Algona. | | | |
| 992 | DuRoid, George W. | June 26, 1880 | As principal | Centerville. | | | |
| 1023 | Doty, Elmer A. | June 19, 1880 | As owner | Oxford. | | | |
| 1080 | Douglass, R. N. | June 7, 1880 | As owner | Monroe. | | | |
| 1487 | Dalrymple, A. L. | July 22, 1880 | As owner | Muscatine. | | | |
| 1325 | Dougherty, J. B. | July 27, 1880 | As owner | Dumont. | | | |
| 1834 | Dumont, T. A. | Aug. 7, 1880 | As owner | Council Cluffs. | | | |
| 1858 | DelHaven, J. D. | Aug. 20, 1880 | As owner | Marshalltown | Des Moines | Jan. 23, 1890 | |
| 1892 | Duke, Charles D. | Aug. 2, 1880 | By examination | Iowa City. | | | |
| 1903 | Davis, M. W. | July 30, 1880 | By examination | De Kalb | | | |
| 2243 | DeKalb, Benj. D. | Sept. 23, 1881 | By examination | Nassau | | | Out of business. |
| 2282 | Davis, J. D. | Nov. 1, 1881 | By examination | Guthrie Center. | | | In Nebraska. |
| 2324 | Dosh, Edward | Dec. 27, 1881 | By examination | Lucas. | Glenwood | May 28, 1890 | |
| 2329 | Doty, C. W. | Jan. 24, 1882 | By examination | Peterson. | | | In Sabetha, Kas. |
| 2433 | DeWitt, C. H. | May 10, 1882 | By examination | Columbus Junction. | Jewell Junction | Mar. 23, 1897 | |
| 2504 | DeWitt, W. W. | Dec. 19, 1882 | By examination | Hardward | | | |
| 2565 | Doollittle, W. A. | Jan. 9, 1893 | By examination | Dysart. | | | |
| 2547 | Davis, Will A. | Mar. 9, 1885 | By examination | Davenport. | | | |
| 2862 | Douglass, C. W. | April 21, 1885 | By examination | Orange City. | | | |
| 2861 | Douglas, E. F. | June 5, 1885 | By examination | Boone | Perry | Mar. 24, 1899 | |
| 2900 | Driscoll, E. E. | July 3, 1885 | By examination | Dunlap | | | |
| 2928 | DeKraff, E. J. | Sept. 9, 1885 | By examination | Marshalltown | Spencer | May 14, 1892 | |
| 2962 | Draper, J. S. | Jan. 8, 1886 | By examination | | | | |
| 2970 | Dean, Frank A. | Feb. 15, 1886 | By examination | | | | |
| 3011 | Dickey, E. L. | May 19, 1886 | By examination | | | | |

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|---------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 3032 | De Marsha, F. E. | June 15, 1886 | By examination | Radcliffe. | | | |
| 3034 | Dennison, John C. | June 15, 1886 | By examination | Maquoketa. | Bellevue | Jan. 10, 1894 | |
| 3032 | Dyer, Henry W. | July 30, 1886 | By examination | Pomeroy | Mapleton | Feb. 2, 1897 | |
| 3191 | Doan, H. C. | Mar. 1, 1887 | By examination | Humboldt. | | | |
| 3291 | Dingman, G. W., Jr. | Aug. 15, 1887 | By examination | Urbana. | | | |
| 3316 | Donalson, W. E. | Sept. 19, 1887 | By examination | Salem. | | | In Pierce, Neb. |
| 3318 | Dannman, Fred W. | Sept. 20, 1887 | By examination | St. Anthony | Pringhar | May 8, 1889 | |
| 3331 | Dingley, Frank W. | Sept. 27, 1887 | By examination | Algona | | | |
| 3349 | Deakin, James V. | Nov. 29, 1887 | By examination | Des Moines | | | In California. |
| 3393 | Dankelberg, E. E. | Feb. 24, 1888 | By examination | Frederica | Tripoli. | | |
| 3398 | Davis, W. B. | Feb. 22, 1888 | By examination | Lewis. | | | |
| 3459 | Doshi, G. W. | May 15, 1888 | By examination | Lucas. | Brighton | June 4, 1890 | |
| 3507 | Dostal, Joseph L. | Aug. 20, 1888 | By examination | Cedar Rapids. | | | |
| 3570 | Duffield, S. H. | Dec. 29, 1888 | By examination | Mason City. | | | |
| 3588 | Diddy, Claude A. | Jan. 29, 1889 | By examination | Adel. | Redfield | June 13, 1890 | |
| 3605 | Davis, G. G. | Feb. 5, 1889 | By examination | Denison. | | | In Illinois. |
| 3639 | Dennert, Frank | April 9, 1889 | By examination | Logan. | | | |
| 3642 | Dewey, William H. | April 16, 1889 | By examination | Magnie. | | | |
| 3643 | Dodd, A. B. | April 16, 1889 | By examination | Toledo | Charles City | Mar. 2, 1893 | |
| 3736 | Dunkle, W. B. | Oct. 14, 1889 | By examination | Gliman. | | | |
| 3759 | Doyle, C. E. | Dec. 16, 1889 | By examination | Dunlap | Hamburg | | |
| 3789 | Dean, Alfred F. | Dec. 16, 1889 | By examination | Oresco. | Rockwell City | June 10, 1892 | |
| 3801 | Durrette, R. G. | Jan. 29, 1890 | By examination | Mapleton | Des Moines | Feb. 23, 1891 | |
| 3811 | Doan, Frank L. | Jan. 29, 1890 | By examination | Bayard | Waucoma | April 8, 1897 | |
| 3821 | Doudna, Charles B. | Mar. 4, 1890 | By examination | Moulton | | | |
| 3842 | Devendorf, W. A. | June 6, 1890 | By examination | Bonaparte | Seymour | Dec. 6, 1896 | |
| 3897 | Davis, James P. | Nov. 4, 1890 | By examination | Rock Valley | Story City | Sept. 15, 1893 | |
| 3956 | Dayton, D. D. | Nov. 11, 1890 | By examination | Georgetown | | | |
| 3959 | DeNeul, John P. | Feb. 11, 1891 | By examination | Des Moines | Lime Springs | Dec. 30, 1895 | |
| 3960 | Douglass, S. A. | Feb. 11, 1891 | By examination | Shenandoah | Adel | Nov. 30, 1891 | |
| 3991 | Dodson, William F. | Feb. 13, 1891 | By examination | Council Bluffs. | Greenfield | Mar. 13, 1899 | |
| 3997 | Davis, George S. | Feb. 24, 1891 | By examination | Colesburg. | | | |
| 4012 | Downs, Horace S. | Mar. 7, 1891 | By examination | Bedford | | | |
| 4029 | Dittmore, C. L. | April 7, 1891 | By examination | Carroll | Baxter | July 8, 1891 | |
| 4074 | Dennett, A. G. | Nov. 10, 1891 | By examination | Bedford | Colesburg | —, 1895 | Out of business. |
| 4138 | Dunlavy, H. F. | Nov. 10, 1891 | By examination | Perry | | | |
| 4183 | Diddy, Cad | Feb. 17, 1892 | By examination | Davenport. | Newton | April 23, 1898 | |
| 4207 | Doyle, William J. | April 1, 1892 | By examination | | | | |

| | | | | | | | |
|------|-----------------------|----------------|----------------|---------------|------------|---------------|------------------|
| 4224 | Dorr, O. H. | May 2, 1892 | By examination | Sioux City | | Nov. 6, 1893 | |
| 4263 | Diebner, W. | July 5, 1892 | By examination | Clinton | Wellsburg | Mar. 15, 1899 | |
| 4268 | Dobson, Mrs. M. H. | July 7, 1892 | By examination | Le Grand | | | |
| 4376 | Dorgan, John J. | July 20, 1892 | By examination | Davenport | | | |
| 4377 | Dale, John E. | Jan. 3, 1893 | By examination | Waterloo | Fremont | June 1, 1894 | |
| 4387 | Davis, Frank R. | Feb. 23, 1893 | By examination | Des Moines | Bondurant | Dec. 26, 1895 | |
| 4404 | Duffield, O. J. | Mar. 18, 1893 | By examination | Centerville | Mystic | Dec. 26, 1899 | In Texas |
| 4482 | Dixon, George W. | July 5, 1893 | By examination | Colefax | | | |
| 4493 | Daquard, Theo. | Aug. 1, 1893 | By examination | Davenport | | | |
| 4526 | Dittmer, Adolph C. H. | Oct. 3, 1893 | By examination | Ft. Dodge | | | |
| 4582 | Drummond, O. M. | Dec. 19, 1893 | By examination | Mt. Pleasant. | | | |
| 4582 | De Smith, C. F. | Feb. 6, 1894 | By examination | Barries City. | | | Kansas City, Mo. |
| 4585 | De Cou, Frank H. | Feb. 6, 1894 | By examination | Woodbine | | | |
| 4597 | DeLancier, Charles A. | Feb. 27, 1894 | By examination | Des Moines | | | |
| 4639 | Dick, O. K. | April 17, 1894 | By examination | Des Moines | Gowrie | Dec. 29, 1895 | |
| 4648 | De Witt, C. F. | May 1, 1894 | By examination | Wyoming | Rockwell | Jan. 27, 1899 | Nebraska. |
| 4652 | Duncan, O. E. | May 1, 1894 | By examination | Mediapolis | Burlington | July 9, 1896 | |
| 4678 | Dixon, John S. | June 5, 1894 | By examination | Mason City | | | |
| 4728 | Dixon, P. A. | Sept. 4, 1894 | By examination | Mason City | Shenandoah | Jan. 6, 1895 | |
| 4766 | Duyer, J. C. | Nov. 6, 1894 | By examination | Des Moines | | | |
| 4769 | DeHelmner, W. F. | Nov. 7, 1894 | By examination | Spirit Lake | | | |
| 4784 | Donnelly, William | Jan. 9, 1895 | By examination | Ryan | | | |
| 4823 | Denton, Robert A. | Feb. 15, 1895 | By examination | Manchester | Masonville | Aug. 6, 1897 | |
| 4830 | Davis, Bert | Mar. 5, 1895 | By examination | Afton | Bussay | Mar. 8, 1899 | |
| 4877 | Davis, W. T. T. | May 7, 1895 | By examination | Sibley | Elma | Sept. 4, 1896 | |
| 4899 | Duncan, James H. | July 2, 1895 | By examination | Decorah | | | |
| 4904 | Diamond J. A. | June 25, 1895 | By examination | Princeton | Earlville | | |
| 4929 | Davis, O. E. | Sept. 19, 1895 | By examination | Donelson | New Sharon | Dec. 2, 1898 | |
| 4945 | Dale, Geo W. | Nov. 7, 1895 | By examination | Roife | Plover | Dec. 19, 1896 | |
| 4981 | Daugherty, A. E. | Jan. 7, 1896 | By examination | Colo. | Monmouth | — 5, 1899 | |
| 5013 | Dooley, E. P. | Mar. 3, 1896 | By examination | Perry | | | |
| 5033 | Dillon, I. H. | April 7, 1896 | By examination | Jerome | | | |
| 5036 | Durrette, Ella B. | Mar. 7, 1896 | By examination | Des Moines | | | |
| 5085 | Davis, Ella | May 5, 1896 | By examination | Madison | | | |
| 5101 | Dillon, Geo. | June 16, 1896 | Graduate | Northwood | | | |
| 5123 | Dalander, E. P. | Aug. 4, 1896 | By examination | Madrid. | | | |
| 5126 | Demaray, C. H. | Aug. 4, 1896 | By examination | Osgoe | Livermore | Jan. 7, 1898 | |
| 5173 | DeLaure, James | Dec. 1, 1896 | By examination | Remsen | Clinton | Jan. 11, 1898 | |
| 5285 | Davis, George H. | June 20, 1897 | Graduate | Dow City | | | |
| 5289 | Daudel, H. A. | July 6, 1897 | By examination | Andrew | | | |
| 5302 | Davenport, Robert E. | Dec. 7, 1897 | By examination | Sioux City | | | |
| 5373 | Dale, Dorothea B. | Dec. 7, 1897 | By examination | Fremont | | | |
| 5378 | Dorsetoh, H. | Jan. 4, 1898 | By examination | Anamosa | | | |
| 5387 | Davis, F. J. | Feb. 1, 1898 | By examination | Fairbank | | | |
| 5470 | Dreut, A. L. | April 5, 1898 | By examination | Marysville | | | |
| 5496 | Dayton, Lizzie A. | May 3, 1898 | By examination | Lime Springs. | | | |
| 5538 | Douglas, Mary | Aug. 3, 1898 | Graduate | Blairsburg | | Aug. 26, 1898 | |
| 5586 | Diercks, Fred Jr. | Oct. 4, 1898 | By examination | Bellevue | | | |
| 5612 | Dean, W. E. | Dec. 6, 1898 | By examination | Bedford | | | |
| 5646 | Daubenberger, H. A. | Mar. 7, 1899 | By examination | Rockwell | | | |

ABSTRACT—CONTINUED.

| Number of certificates. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|-------------------------|----------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 5662 | Dabney, Maurice J. | April 4, 1889 | Graduate | Oakland. | | | |
| 5694 | Danberry, Barbara E. | April 4, 1899 | Graduate | Charlton. | | | |
| 5678 | Downs, J. A. | April 29, 1899 | Graduate | Des Moines. | Glidden. | June 1, 1899 | |
| 5694 | Delaney, Jerry C. | May 17, 1899 | Graduate | Iowa City. | | | |
| 5698 | Downs, Frank B. | May 2, 1899 | By examination | Lewis. | | | |
| 5726 | Dewell, Maud. | July 6, 1899 | Assistant | Carson. | | | |
| 5747 | Doolittle, H. M. | Aug. 1, 1899 | Graduate | Missouri Valley. | | | |
| 420 | Eitel, John L. | June 18, 1880 | As owner | Clear Lake. | | | |
| 443 | Emms, Hugo A. | June 17, 1880 | As owner | Davenport. | | | |
| 800 | Eddy, William M. | June 2, 1880 | As owner | Marengo. | | | |
| 595 | Edwards, M. G. | June 9, 1880 | As owner | Glenwood. | | | |
| 687 | Eaton, J. E. | June 5, 1880 | As assistant | Keota. | | | |
| 944 | Emery, J. F. | June 7, 1880 | As owner | Northwood. | Kensett. | Mar. 6, 1899 | |
| 1004 | Killott, W. D. | June 16, 1880 | As owner | Orionwa. | | | |
| 1029 | Evans, William L. | June 18, 1880 | As owner | Osage. | | | |
| 1234 | Eldridge, C. G. | June 2, 1880 | As owner | Sadua. | | | |
| 1415 | Enis, William W. | July 13, 1880 | As principal | Scranton. | | | |
| 1593 | Everett, F. J. | Aug. 6, 1880 | As owner | Fairbank. | | | |
| 1595 | Eslick, Thomas B. | Aug. 23, 1880 | By examination | Lehigh. | Des Moines. | Sept. 25, 1898 | |
| 1595 | Eslick, Thomas B. | July 31, 1880 | By examination | Little Sioux. | | | |
| 1710 | Ellis, Clark. | Sept. 23, 1880 | As owner | Dow City. | Arion. | Dec. 12, 1894 | |
| 1781 | Evans, Warren B. | Oct. 29, 1880 | By examination | North English. | | | |
| 1818 | Erwin, J. W. | April 30, 1881 | By examination | Grundy Center. | | | Out of business. |
| 2122 | Elliott, W. V. | Feb. 17, 1882 | By examination | Sigourney. | Hedrick. | May 12, 1883 | |
| 2350 | Engelinger, F. | June 5, 1882 | By examination | Scranton. | Hawarden. | | Out of business. |
| 2469 | Engelinger, F. | June 5, 1883 | By examination | Grand Junction. | Gilmore City. | Mar. 23, 1886 | Out of business. |
| 2528 | Ellis, G. V. | Aug. 20, 1883 | By examination | Waukon. | | | |
| 2642 | Ensign, Charles | June 5, 1883 | By examination | Casey. | Valley Junction. | Feb. 16, 1893 | |
| 2938 | England, L. E. | May 17, 1887 | By examination | Des Moines. | | | |
| 2984 | Engbartson, R. | July 26, 1887 | By examination | Mason City. | | | In Missouri. |
| 3012 | Earle, W. C. | Nov. 14, 1887 | By examination | Essex. | Northwood. | Sept. 14, 1887 | |
| 3215 | Eaton, F. N. | April 23, 1888 | By examination | Red Oak. | | Aug. 15, 1895 | |
| 3239 | Eason, Hugh | Nov. 20, 1888 | By examination | Carroll. | | | |
| 3283 | Emery, George M. | Nov. 20, 1888 | By examination | Stratford. | | April 20, 1899 | |
| 3345 | Erickson, G. B. | May 21, 1889 | By examination | Srawberry Point. | Lamont. | May 15, 1894 | |
| 3459 | Elliott, S. E. | | | | | | |
| 3558 | Eich, Joseph | | | | | | |
| 3662 | Eaton, Claude L. | | | | | | |

| | | | | | | | |
|------|----------------------|----------------|----------------|-------------------|---------------|----------------|--------------|
| 3690 | Eckerman, H. W. L. | July 16, 1889 | By examination | Avoca. | | | In Nebraska. |
| 3742 | Engelen, G. J. | Oct. 1, 1889 | By examination | Ogden. | Des Moines. | Dec. 15, 1893 | |
| 3753 | Evans, Paul W. | Oct. 15, 1889 | By examination | Malvern. | Des Moines. | Nov. 26, 1889 | In Nebraska. |
| 3812 | Enler, Frank | Jan. 29, 1890 | By examination | Boone. | | Mar. 18, 1899 | |
| 3918 | Elwood, James D. | Aug. 5, 1890 | By examination | Gladbrook. | Van Horn. | Dec. 20, 1894 | |
| 4037 | Egel, Eugene E. | Mar. 26, 1891 | By examination | Onawa. | | | |
| 4070 | Elder, A. T. | June 2, 1891 | By examination | Marshalltown. | | | |
| 4114 | Elder, William E. | Sept. 1, 1891 | By examination | Tingley. | | | |
| 4158 | Evans, Wilber H. | Dec. 21, 1891 | By examination | Marshalltown. | | | |
| 4190 | Eastburn, W. W. | Mar. 1, 1892 | By examination | Webster. | Hedrick. | Dec. 22, 1894 | |
| 4193 | Eade, J. W. | Mar. 1, 1892 | By examination | Pilot Mound. | Des Moines. | Oct. 31, 1894 | |
| 4221 | Eaton, Harry E. | April 14, 1892 | Graduate | Essex. | | | |
| 4348 | Ellsworth, E. E. | Jan. 3, 1893 | By examination | Eldora. | | | |
| 4395 | Edwards, Bert | Jan. 24, 1893 | By examination | Moulton. | Garden Grove. | Mar. 16, 1898 | |
| 4492 | Elerick, J. S. | July 12, 1893 | By examination | Keosauqua. | Muchakinock. | April 12, 1894 | |
| 4537 | Elliott, George Fred | Nov. 3, 1893 | By examination | Boone. | Frazer. | June 1, 1896 | |
| 4630 | Evans, J. W. | April 10, 1894 | By examination | Clinton. | | | |
| 4644 | Emerson, R. W. | April 20, 1894 | By examination | Cedar Rapids. | | | |
| 4684 | Erb, B. F. | June 26, 1894 | By examination | Cambridge. | | | |
| 4733 | Edwards, J. E. | Sept. 10, 1894 | By examination | Eagle Grove. | | | |
| 4780 | Elder, Alice Waugh | Dec. 4, 1894 | By examination | Tingley. | | | |
| 4811 | Erickson, N. L. | Feb. 5, 1895 | By examination | Des Moines. | Milford. | April 24, 1899 | |
| 4887 | Eckstein, E. S. | May 14, 1895 | By examination | Chester. | | | |
| 4934 | Epperly, C. O. | Dec. 17, 1895 | By examination | Newell. | Jefferson. | Jan. 27, 1899 | |
| 5012 | Easton, E. K. | Mar. 3, 1896 | By examination | Manson. | West Bend. | Sept. 23, 1898 | |
| 5028 | Emmert, L. Z. | Mar. 31, 1896 | By examination | Des Moines. | | | |
| 5040 | Ernst, C. H. | April 7, 1896 | By examination | Iowa City. | Birmingham. | Mar. 20, 1899 | |
| 5111 | Everett, Orion | July 7, 1896 | By examination | Tama. | Marshalltown. | Feb. 10, 1897 | |
| 5275 | Egler, F. H. | May 27, 1897 | Graduate | Defiance. | Penton. | May 2, 1899 | |
| 5307 | Eliott, A. V. | Aug. 3, 1897 | By examination | Akron. | Hawarden. | | |
| 5368 | Engelhardt, C. P. | Aug. 3, 1897 | By examination | Keokuk. | | | |
| 5381 | Elliott, Alexander | Oct. 5, 1897 | By examination | Rhodes. | | | |
| 5426 | Evans, Fred D. | Mar. 1, 1898 | By examination | Sergeants Bluffs. | | | |
| 5440 | Frans, J. E. | April 5, 1898 | By examination | Clearfield. | | | |
| 5441 | Edwards, Fred C. | April 5, 1898 | By examination | Moulton. | | | |
| 5778 | Elman, Charles C. | Aug. 1, 1899 | Graduate | Glenwood. | | | |
| 5788 | Embree, George B. | Aug. 1, 1899 | By examination | West Liberty. | | | |
| 142 | Fuller, Charles M. | June 12, 1880 | As assistant | Keokuk. | | | |
| 338 | Freed, David A. | June 24, 1880 | As owner | Redfield. | | | |
| 338 | Fiammat, M. | June 20, 1880 | As owner | Mincola. | | | |
| 480 | Fraatz, Fred C. | June 3, 1880 | As assistant | Dubuque. | | | |
| 555 | Finke, Walter H. | June 4, 1880 | As owner | Eglin. | | | |
| 631 | Frost, Lewis D. | June 9, 1880 | As owner | Harlan. | | | |
| 671 | Foy, Edward W. | June 3, 1880 | As owner | Jefferson. | | | |
| 1045 | Farnham, L. H. | June 21, 1880 | As owner | Akron. | Spirit Lake. | Oct. 31, 1893 | |
| 1063 | Forsythe, William D. | July 1, 1880 | As owner | Pella. | | | |
| 1216 | Fagan, Horace M. | June 4, 1880 | As owner | Shelby. | | | |
| 1341 | Forry, William W. | June 3, 1880 | As owner | Waterloo. | | | |
| 1568 | Freeman, E. C. | July 29, 1880 | As assistant | Jefferson. | | | |
| 1881 | Fletcher, W. G. | July 27, 1880 | By examination | Glenwood. | Williamsburg. | July 9, 1885 | |

ABSTRACT—CONTINUED.

| Number of certificates. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|-------------------------|---------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 1751 | Fox, Jacob G. | Aug. 6, 1880 | As owner | Waubesa | | | |
| 1788 | French, Charles H. | Aug. 10, 1880 | By examination | Cedar Rapids | | | |
| 1816 | Finster, Henry J. | Oct. 23, 1880 | As owner | Steamboat Rock | | | |
| 1855 | Fitzgerald, M. | Sept. 15, 1880 | By examination | Liscomb | Boone | Aug. 3, 1887 | |
| 1860 | Fretz, Menz. | Oct. 28, 1880 | By examination | Arooa | Harlan | Oct. 18, 1887 | |
| 1872 | Foster, W. E. | July 26, 1880 | By examination | Glidden | | | |
| 1925 | Frost, C. E. | Nov. 29, 1880 | By examination | Oxford | Rhodes | Sept. 19, 1882 | Out of business. |
| 1925 | Fellows, Henry | Nov. 18, 1880 | By examination | Colfax | Williams | April 22, 1886 | |
| 2014 | Fiddler, J. D. | Feb. 14, 1881 | By examination | Iowa Falls | Clarion | Sept. 6, 1897 | |
| 2005 | Frank, E. S. | Mar. 1, 1881 | By examination | Livermore | | | |
| 2147 | Fischer, H. | June 1, 1881 | By examination | Pomeroy | Iowa City | Oct. 4, 1882 | Out of business. |
| 2212 | Foltz, George F. | Sept. 23, 1881 | By examination | Coon Rapids | | | |
| 2313 | Feenstra, J. B. H. | Jan. 18, 1882 | By examination | Arcadia | | | |
| 2315 | Fox, Frank | Dec. 19, 1881 | By examination | Winthrop | | | Out of business. |
| 2727 | Foley, W. J. | Mar. 8, 1884 | By examination | Dayton | Manson | Jan. 20, 1880 | |
| 2762 | Farney, C. M. | June 17, 1884 | By examination | Marshalltown | | | |
| 2804 | Forsyth, Robert | Feb. 2, 1885 | By examination | What Cheer | Jerome | Aug. 17, 1803 | |
| 2944 | Frecks, Ed. M. | Nov. 17, 1885 | By examination | Parkersburg | Rock Rapids | Mar. 25, 1892 | Out of business. |
| 3037 | Findley, Will J. | June 24, 1886 | By examination | Atlantic | | | |
| 3043 | Franken, Ed. | Aug. 6, 1886 | As graduate | Sigourney | | | |
| 3054 | Farr, H. S. | July 20, 1886 | By examination | Madrid | | | |
| 3054 | Farnsworth, D. W. | July 20, 1886 | By examination | Madrid | | | |
| 3152 | Fisher, Lewis A. | Feb. 25, 1887 | By examination | West Union | | | Out of business. |
| 3153 | Foster, Horatio O. | Feb. 28, 1887 | By examination | Creston | | | |
| 3166 | Funk, Samuel G. | Mar. 15, 1887 | By examination | Panora | | | |
| 3210 | Freeman, J. H. | April 5, 1887 | By examination | Jefferson | Prairie City | July 5, 1887 | |
| 3229 | Fowler, I. D. | April 17, 1887 | By examination | Lausing | | | Out of business. |
| 3251 | Funk, Edgar M. | May 26, 1887 | By examination | Hampton | | | |
| 3263 | Fulton, John L. W. | June 21, 1887 | By examination | Clarkeville | | | In Wisconsin. |
| 3426 | Franz, F. W. | April 2, 1888 | Graduate | Stoux City | | | |
| 3545 | Foster, F. E. | Sept. 18, 1888 | By examination | Glidden | Scranton | May 8, 1891 | |
| 3545 | Fritz, William E. | Dec. 1, 1888 | By examination | Clearfield | Clearfield | June 17, 1889 | |
| 3560 | Foster, Theo. M. | Jan. 15, 1889 | By examination | Marengo | North English | July 31, 1893 | |
| 3643 | Franks, S. C. | April 2, 1889 | By examination | Bentonsport | Farmington | Dec. 24, 1894 | |
| 3643 | Frater, George W. | April 9, 1889 | By examination | Thurman | | | In Nebraska. |
| 3770 | Fish, H. T. | Nov. 1, 1889 | By examination | Columbus City | Mediapolis | Sept. 8, 1890 | |
| 3831 | Fee, Frank | Feb. 18, 1890 | By examination | Cumberland | Masena | June 2, 1893 | |
| 3880 | Friselle, C. H. | April 18, 1890 | By examination | Viele | Rockford | | Out of business. |
| 3999 | Fulton, Levi R. | Sept. 19, 1890 | By examination | Clarksville | | | In Wisconsin. |
| 4035 | Pitton, James T. | April 30, 1891 | By examination | Nevada | Pauilina | Oct. 22, 1895 | |
| 4045 | Forsyth, James O. | May 5, 1891 | By examination | What Cheer | Redfield | April 5, 1897 | |
| 4053 | Farney, Radolph | May 8, 1891 | By examination | Wilton Junction | | | |
| 4107 | Pletcher, O. T. | Aug. 12, 1891 | Graduate | Decorah | Thompson | Mar. 6, 1893 | |
| 4172 | Fowler, L. E. | July 12, 1892 | By examination | Collins | Lynnville | Nov. 19, 1893 | |
| 4288 | Fox, Harry C. | Aug. 2, 1892 | By examination | McGregor | Monona | Nov. 29, 1892 | |
| 4314 | Pugate, J. D. | Oct. 4, 1892 | By examination | Bloomfield | | | Out of business. |
| 4335 | Fesler, E. S. | Aug. 1, 1892 | By examination | Riverside | Jolley | July 7, 1892 | |
| 4402 | Forrester, J. S. | Dec. 27, 1891 | By examination | Newton | Jolley | Mar. 6, 1890 | |
| 4480 | Pickes, John F. | Feb. 28, 1893 | By examination | Des Moines | | | |
| 4488 | Forsyth, David B. | May 28, 1893 | By examination | Mystic | | | |
| 4462 | Fry, William Nelson | May 28, 1893 | By examination | Marcus | | | |
| 4503 | Falkenhamer, A. | Aug. 9, 1893 | By examination | Dubuque | Titonka | Mar. 6, 1890 | In Wisconsin. |
| 4509 | Florino, Frank W. | Sept. 5, 1892 | By examination | Clinton | | | |
| 4545 | Flaherty, John F. | Nov. 14, 1893 | By examination | Fort Dodge | | | |
| 4580 | Faas, Charles A. | Feb. 4, 1894 | By examination | Onawa | Stoux City | Nov. 10, 1897 | |
| 4715 | Freeman, F. E. | Sept. 4, 1894 | By examination | Gilmore City | Pocahontas | Feb. 17, 1890 | |
| 4727 | Foster, W. O. | Sept. 4, 1894 | By examination | Newton | | | Out of business. |
| 4836 | Fellows, E. H. | Jan. 29, 1895 | By examination | Des Moines | Milo | Mar. 21, 1898 | |
| 4810 | Frieberg, Emil L. | Feb. 5, 1895 | By examination | Charles City | Clear Lake | May 3, 1898 | |
| 4888 | Franks, W. N. | Feb. 7, 1893 | By examination | Des Moines | Perry | Jan. 1, 1895 | |
| 5027 | Fellows, W. B. | Mar. 25, 1896 | Graduate | Des Moines | | | |
| 5034 | Foster, H. E. | April 7, 1896 | By examination | Toledo | Cedar Rapids | Dec. 20, 1891 | |
| 5053 | Foster, U. G. | April 7, 1896 | By examination | Marion | Oxford | Sept. 22, 1898 | |
| 5059 | Farran, J. S. | April 14, 1896 | By examination | Hamburg | Stoux City | Dec. 19, 1898 | |
| 5090 | Frahm, F. W. | June 2, 1896 | By examination | Primgar | Rowan | April 8, 1892 | |
| 5142 | Fish, G. H. | Sept. 1, 1896 | By examination | Reinbeck | Beaman | April 21, 1895 | |
| 5188 | Fin, G. W. | Jan. 5, 1897 | By examination | Anita | Piainfield | Aug. 28, 1897 | |
| 5183 | Ferne, J. L. | Jan. 5, 1897 | By examination | Reinold | Galt | Mar. 8, 1898 | |
| 5203 | Pleming, P. W. | Feb. 2, 1897 | By examination | Des Moines | | | |
| 5215 | Fried, A. F. | Feb. 2, 1897 | By examination | Mason | Wiota | Mar. 17, 1898 | |
| 5216 | Foley, C. L. | Mar. 2, 1897 | By examination | Newell | Rock Rapids | April 4, 1898 | |
| 5222 | Ferrand, Bert E. | Mar. 9, 1897 | As assistant | Sumner | | | |
| 5302 | Forester, G. W. | Aug. 9, 1897 | Graduate | Elberon | | | |
| 5339 | Fiss, Franklin B. | Oct. 5, 1897 | By examination | Elberon | Pubiqua | | |
| 5345 | Pullerton, L. L. | Nov. 9, 1897 | By examination | Tipton | | | |
| 5352 | Fish, Harry D. | Nov. 2, 1897 | By examination | Tipton | | | |
| 5368 | Flood, Carl A. | Dec. 7, 1897 | By examination | Creston | | | |
| 5382 | Farrand, Louis A. | Dec. 19, 1897 | By examination | Elma | | | |
| 5390 | Fallon, Geo. S. | Feb. 1, 1898 | By examination | Pt. Dodge | | | |
| 5397 | Froid, Chas. J. | Feb. 1, 1898 | By examination | Burlington | | | |
| 5400 | Fulmer, N. E. | Feb. 1, 1898 | By examination | Scranton | | | |
| 5572 | Farr, Floyd E. | Sept. 6, 1898 | By examination | Humeson | Perry | Oct. 21, 1899 | |
| 5612 | Fishburn, E. O. | Mar. 7, 1899 | By examination | Muscatine | Corydon | Nov. 1, 1898 | |
| 5633 | Fowler, W. E. | Mar. 7, 1899 | Graduate | Hanchester | | | |
| 5638 | Forney, C. M. | Feb. 7, 1899 | By examination | Valeria | | | |
| 5650 | Fowle, Lloyd | Mar. 7, 1899 | Graduate | Clarksville | | | |

ABSTRACT—CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|---------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 5690 | Falkenhainer, Chas. | May 17, 1899 | Graduate | Guttenburg | Dubuque | May 25, 1899 | |
| 5708 | Frick, E. L. | June 5, 1899 | Graduate | Audubon | | | |
| 5723 | French, Chas. B. | July 6, 1899 | Graduate | Maxwell | Webster City | Aug. 3, 1899 | |
| 5735 | Fuller, Anna C. | July 6, 1899 | Graduate | Des Moines | | | |
| 5746 | Ford, John | July 18, 1899 | By examination | What Cheer | | | |
| 5750 | Flint, Elmer R. | July 18, 1899 | By examination | Osage | | | |
| 5780 | Flanders, Ruth E. | Aug. 1, 1899 | Graduate | Waterloo | | | |
| 5781 | Fletcher, Geo. W. | Aug. 1, 1899 | By examination | Louell Bluffs | | | |
| 136 | Griffith, J. A. | June 14, 1880 | As owner | What Cheer | | | |
| 301 | Gibbons, A. D. | June 5, 1880 | As owner | Bloomfield | | | |
| 431 | Grawell, Charles B. | June 3, 1880 | As owner | Grinnell | | | |
| 810 | Garretson, B. F. | June 15, 1880 | As owner | Osceola | | | |
| 867 | Geis, Henry | June 5, 1883 | As owner | Muscatine | | | |
| 883 | Griffin, Francis | June 10, 1880 | As owner | Mapleton | | | |
| 926 | Gophart, Arthur | June 18, 1880 | As owner | Uttumwa | | | |
| 1235 | Guenther, J. H. | June 2, 1883 | As assistant | Sabina | | | |
| 1289 | Giles, Daniel E. | July 10, 1880 | As owner | Union | Harris | April 1, 1897 | |
| 1303 | Glasgow, L. G. | June 2, 1880 | As assistant | Washington | | | |
| 1330 | Gamble, Thomas D. | June 12, 1880 | As owner | Wassiland | | | |
| 1463 | Gantrap, W. D. | July 17, 1880 | Graduate | Story City | | | |
| 1535 | Gichrist, W. T. | July 27, 1880 | As owner | Waukon | | | |
| 1574 | Gives, Oliver E. | July 31, 1880 | As assistant | Stuart | Des Moines | Mar. 18, 1898 | |
| 1762 | Gould, C. E. | June 5, 1880 | As owner | Mechanicsville | | | |
| 1854 | Goulday, A. M. | Sept. 13, 1880 | By examination | Bedford | | | In Wisconsin. |
| 1928 | Groeger, J. M. | Nov. 20, 1880 | By examination | Iowa Falls | | | |
| 2016 | Giddings, William | Jan. 27, 1881 | By examination | Loda | | | |
| 2214 | Gesel, C. L. | Sept. 20, 1881 | By examination | Sac City | Duncombe | April 23, 1896 | |
| 2226 | Griffith, J. G. | Aug. 26, 1881 | By examination | Greenfield | Ellsworth | Mar. 2, 1895 | |
| 3361 | Gardner, H. C. | Feb. 28, 1882 | By examination | Denison | Buffalo Center | May 2, 1894 | Out of business. |
| 2455 | Gardner, J. B. | May 22, 1882 | By examination | Denison | | | |
| 2459 | Green, Fred E. | May 24, 1882 | By examination | Oskaloosa | | | |
| 3619 | Gardner, W. W. | Aug. 21, 1882 | By examination | Avoca | | | |
| 3263 | Graves, George B. | Sept. 18, 1883 | By examination | Williams | Webster City | April 4, 1894 | In Missouri. |
| 3724 | Gerber, Louis N. | Mar. 4, 1884 | By examination | Baxter | | | |
| 3949 | Graham, C. O. | July 19, 1886 | By examination | Tripoli | | | |
| 3997 | Guhrie, John M. | Oct. 26, 1886 | By examination | Pilot Mound | | | |
| 3103 | Gore, Irwin | Nov. 24, 1886 | By examination | | | | |
| 3121 | Goss, Joseph S. | Jan. 4, 1887 | By examination | Harlan | Atlantic | Sept. 3, 1890 | |
| 3130 | Graff, W. J. B. | Feb. 28, 1887 | By examination | Carson | Iowa City | Jan. 20, 1896 | |
| 3202 | Gardner, A. J. | April 5, 1887 | By examination | Ogden | | | |
| 3223 | Grimwood, E. A. | May 10, 1887 | By examination | Independence | Oxford Junction | Oct. 14, 1887 | |
| 3223 | Goodall, P. A. | Sept. 8, 1887 | Graduate | Osage | | | |
| 3245 | Georges, A. G. | Sept. 8, 1887 | Graduate | Marcus | | | |
| 3311 | Gardner, H. W. | Sept. 8, 1887 | By examination | New Hampton | | | |
| 3341 | Guiney, H. F. | May 7, 1888 | Graduate | Sioux City | | | |
| 3450 | Geselchup, A. F. | May 15, 1888 | By examination | Orange City | | | |
| 3470 | Griswood, E. B. | June 5, 1888 | By examination | Stuart | Winterset | Mar. 17, 1898 | |
| 3179 | Grimm, William H. | June 19, 1888 | By examination | Waukon | Traer | Oct. 23, 1888 | |
| 3205 | Griffin, Charles J. | Aug. 21, 1888 | By examination | Cedar Falls | Monterezuma | Feb. 9, 1895 | Out of business. |
| 3280 | Goltswait, F. O. | Mar. 19, 1889 | By examination | Marion | | | |
| 3221 | Gardner, George N. | Mar. 21, 1889 | By examination | Washington | Jewell Junction | April 17, 1890 | |
| 3395 | Graham, Ed. L. | July 24, 1889 | Graduate | Muscatine | | | |
| 3711 | Goodwin, F. L. B. | Aug. 30, 1889 | By examination | Maivern | | | |
| 3700 | Graham, Robert D. | Oct. 20, 1889 | By examination | Strawberry Point | | | |
| 3285 | Gill, Bert A. | Feb. 8, 1890 | By examination | Springdale | West Branch | Sept. 7, 1893 | |
| 3223 | Grant, Charles S. | Feb. 8, 1890 | By examination | Iowa City | | | In Nebraska. |
| 3260 | Green, Samuel W. | June 19, 1890 | By examination | Janesville | Ottumwa | Mar. 21, 1898 | |
| 3211 | Graham, H. A. | July 18, 1890 | By examination | Eldon | | | |
| 3225 | Gurney, C. L. | Sept. 2, 1890 | By examination | Doon | Des Moines | Jan. 30, 1890 | |
| 3254 | Graff, J. E. | Oct. 31, 1890 | By examination | Carson | | | |
| 4021 | Gardner, George H. | Mar. 17, 1891 | Graduate | Lohrville | | | |
| 4072 | Grimm, A. L. | June 2, 1891 | By examination | Des Moines | Perry | Oct. 19, 1891 | |
| 4115 | Gangestad, S. M. | June 1, 1891 | By examination | Traer | Waukon | May 28, 1898 | |
| 4122 | Gilson, B. M. M. | Oct. 6, 1891 | By examination | Bode | | | |
| 4125 | Guthrie, Charles | Oct. 18, 1891 | Graduate | Bloomfield | Des Moines | Feb. 18, 1899 | |
| 4160 | Galbraith, Samuel | Jan. 1, 1892 | By examination | Muscatine | | | |
| 4178 | Gatus, Michael | Feb. 2, 1892 | By examination | Hall | Rockford | Mar. 18, 1892 | |
| 4189 | Graham, Will A. | Feb. 2, 1892 | By examination | Shenandoah | Coin | Mar. 25, 1895 | |
| 4200 | Gregg, Finley K. | April 20, 1892 | By examination | Des Moines | | | |
| 4274 | Groneman, F. C. | Mar. 22, 1892 | By examination | Iowa City | Manchester | Mar. 20, 1899 | |
| 4285 | Graves, Fred A. | July 13, 1892 | By examination | Adair | Chaplin | June 23, 1894 | |
| 4302 | Gose, K. E. | Aug. 4, 1892 | Graduate | Beacon | Garden Grove | Jan. 1, 1897 | |
| 4316 | Groneman, F. C. | Sept. 6, 1892 | By examination | Beasantville | Lorimer | Dec. 6, 1892 | |
| 4376 | Graves, Edwin H. | Feb. 7, 1893 | By examination | Whitewater | | | |
| 4391 | Gibeaut, H. E. | Mar. 4, 1893 | By examination | Ames | Ogden | Nov. 6, 1887 | |
| 4401 | Gregory, Frank E. | Mar. 15, 1893 | Graduate | Mechanicsville | | | |
| 4448 | G-roth, Edward E. | May 2, 1893 | By examination | Shellsburg | | | |
| 4442 | Gallagher, Joe | May 5, 1893 | By examination | Osage | Sioux City | | |
| 4477 | Griffin, H. M. | June 20, 1893 | By examination | Fort Dodge | | | |
| 4478 | Grimm, G. Adolph | June 20, 1893 | By examination | Dubuque | | | |
| 4488 | Guthrie, Fred L. | July 5, 1893 | By examination | Tripoli | | | |
| 4513 | Griffin, Charles F. | Mar. 8, 1893 | By examination | Mapleton | | | |
| 4529 | Go-diner, Isie | Mar. 24, 1893 | By examination | Wota | Pulaski | Mar. 29, 1899 | |
| 4621 | Garrett, J. M. | April 3, 1894 | By examination | Troy | | | |
| 4649 | Gregg, Fred W. | May 1, 1894 | By examination | Cherokee | Springville | Oct. 24, 1898 | |

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|----------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|----------|
| 4676 | Gill, Vincent F. | June 5, 1894 | By examination. | Fairbank. | McIntire. | Feb. 25, 1898 | |
| 4704 | Graves, Alva V. | Aug. 7, 1894 | By examination. | Hawarden. | Iowa Falls. | May 18, 1896 | |
| 4792 | Gregory, F. W. | Aug. 6, 1894 | By examination. | Geneva. | | | |
| 4745 | Gipple, L. U. | Oct. 2, 1894 | By examination. | Letts. | | | |
| 4761 | Guersey, J. J. | May 2, 1894 | By examination. | Bloomfield. | | | |
| 4777 | Gurey, C. E. | Nov. 13, 1894 | By examination. | Marshalltown. | | | |
| 4799 | Graves, F. H. | Jan. 15, 1895 | By examination. | Madrid. | | | |
| 4833 | Green, Schuyler E. | Mar. 5, 1895 | By examination. | Anamosa. | Osage. | Feb. 22, 1897 | |
| 4898 | Gibbons, A. S. | Apr. 2, 1895 | By examination. | Manchester. | Ryan. | Mar. 7, 1896 | |
| 4875 | Goodwin, Clarence G. | May 7, 1895 | By examination. | Luverne. | Garner. | April 24, 1899 | |
| 4920 | Graham, J. W. | Aug. 9, 1895 | By examination. | Early. | | | |
| 4931 | Gregerson, James | Sept. 17, 1895 | By examination. | Harlan. | | | |
| 4942 | Gerard, S. A. | Oct. 6, 1895 | By examination. | Giadbrook. | | | |
| 4980 | Glynn, T. H. | Jan. 7, 1896 | By examination. | Cascade. | | | |
| 4982 | Getman, N. E. | Jan. 7, 1896 | By examination. | Larchwood. | | | |
| 4995 | Grady, M. J. | Jan. 7, 1896 | By examination. | Hawarden. | | | |
| 5030 | Graft, George L. | April 7, 1896 | By examination. | Bedford. | | July 14, 1898 | |
| 5051 | Grens, B. W. | April 17, 1896 | By examination. | Fredericksburg. | Manchester. | May 9, 1896 | |
| 5055 | Glasgow, J. M. | Feb. 4, 1896 | By examination. | Waterloo. | Plainfield. | | |
| 5058 | Graves, F. W. | April 7, 1896 | By examination. | Cheyedan. | | | |
| 5083 | Goodenow, N. H. | May 5, 1896 | By examination. | Goodell. | | | |
| 5091 | Gitchell, J. H. | June 2, 1896 | By examination. | Waker. | | | |
| 5133 | Gwin, E. H. | Sept. 1, 1896 | By examination. | Victor. | Scranton. | May 19, 1897 | |
| 5195 | Gincher, J. S. | Feb. 2, 1897 | By examination. | Manning. | | | |
| 5198 | Gray, H. E. | Feb. 2, 1897 | By examination. | Kenesh. | | | |
| 5236 | Griffin, D. J. | April 6, 1897 | By examination. | Clare. | Webster City. | May 8, 1899 | |
| 5279 | Greiner, L. F. | June 1, 1897 | By examination. | Blairsburg. | | | |
| 5281 | Grieg, M. F. | June 7, 1897 | Graduate. | Murray. | | | |
| 5299 | Gerlach, Richard | Aug. 2, 1897 | Graduate. | Cherokee. | | | |
| 5300 | Gandrap, A. W. | Aug. 2, 1897 | By examination. | Story City. | Cambridge. | Mar. 2, 1899 | |
| 5324 | Gould, J. L. | Aug. 3, 1897 | By examination. | Stringell. | Sheldon. | Nov. 1, 1898 | |
| 5326 | Galleghy, H. A. | Sept. 7, 1897 | By examination. | Des Moines. | | | |
| 5372 | Gambie, C. A. | Dec. 8, 1897 | By examination. | Knoxville. | | | |
| 5377 | Guinn, George W. | Jan. 4, 1898 | By examination. | Centerville. | | | |
| 5407 | Green, O. J. | Mar. 1, 1898 | By examination. | Fairbank. | Oelwein. | May 15, 1899 | |
| 5408 | Graffunder, C. L. | Mar. 1, 1898 | By examination. | Webster City. | Carlisle. | Oct. 11, 1899 | |
| 5428 | Gowen, C. B. | Mar. 1, 1898 | By examination. | Sumner. | | | |

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|------|--------------------|---------------|-----------------|-----------------|---------------|---------------|--|
| 5429 | Gaylord, C. M. | Mar. 1, 1898 | By examination. | Mason City. | Charles City. | July 29, 1899 | |
| 5448 | Gregory, O. W. | Apr. 5, 1898 | By examination. | Iowa Falls. | Goldfield. | June 2, 1898 | |
| 5473 | Gale, W. S. | Apr. 5, 1898 | By examination. | Moulton. | | | |
| 5488 | Gearhart, N. A. | Mar. 31, 1898 | Graduate. | Hopkinton. | | | |
| 5492 | Graves, O. L. | May 3, 1898 | By examination. | Ledyard. | | | |
| 5495 | Guth, Theodore J. | May 3, 1898 | By examination. | Des Moines. | | | |
| 5512 | Gott, E. S. | July 27, 1898 | Graduate. | Port Madison. | | | |
| 5532 | Gilmore, Mary E. | Aug. 3, 1898 | Graduate. | Vinton. | | | |
| 5533 | Gantz, Frank | Aug. 3, 1898 | Graduate. | Burlington. | | | |
| 5536 | Gandrap, H. D. | Aug. 3, 1898 | Graduate. | Story City. | | | |
| 5571 | Gosman, A. T. | Sept. 6, 1898 | By examination. | Alta Vista. | Shenandoah. | Nov. 9, 1898 | |
| 5603 | Gilmore, H. N. | Dec. 5, 1898 | By examination. | Vinton. | | | |
| 5604 | Giles, Grant. | Dec. 5, 1898 | By examination. | Colo. | | | |
| 5615 | Goodrich, W. W. | Jan. 3, 1899 | Graduate. | Stiles. | | | |
| 5798 | Glass, A. H. | Aug. 1, 1899 | Graduate. | Des Moines. | | | |
| 5799 | Green, Arno | Aug. 1, 1899 | By examination. | Buffalo Center. | | | |
| 12 | Husband, C. A. | June 4, 1880 | As owner. | Lake Park. | | | |
| 57 | Himrod, Mrs. D. M. | June 8, 1880 | As owner. | Waucoma. | | | |
| 67 | Harwood, George. | June 7, 1880 | As owner. | West Chester. | | | |
| 81 | Hyde, M. J. | June 10, 1880 | As owner. | Masonville. | Epworth. | Aug. 25, 1894 | |
| 99 | Hinchman, A. C. | June 12, 1880 | As owner. | Brandon. | | | |
| 203 | Hunter, W. A. | June 14, 1880 | As assistant. | Rod Oak. | | | |
| 205 | Hill, T. W. | June 14, 1880 | As assistant. | Belle Plaine. | | | |
| 235 | Hutton, James W. | June 4, 1880 | As principal. | Batavia. | | | |
| 249 | Harle, H. D. | June 21, 1880 | As owner. | Carroll. | | | |
| 253 | Huston, George W. | June 8, 1880 | As owner. | Council Bluffs. | | | |
| 422 | Hervey, James. | June 4, 1880 | As owner. | Clinton. | | | |
| 431 | Hippee, Warren. | June 4, 1880 | As owner. | Dubuque. | | | |
| 470 | Harrison, C. E. | June 12, 1880 | As owner. | Des Moines. | | | |
| 548 | Haas, Julius W. | June 4, 1880 | As assistant. | Davenport. | | | |
| 561 | Hagensick, H. H. | June 3, 1880 | As owner. | Dubuque. | | | |
| 586 | Hammond, J. H. | June 11, 1880 | As owner. | Elkader. | | | |
| 661 | Higley, Daniel G. | June 7, 1880 | As owner. | Eldora. | | | |
| 674 | Hope, George E. | June 23, 1880 | As owner. | Fairfield. | | | |
| 775 | Hope, William H. | June 24, 1880 | As assistant. | Independence. | | | |
| 875 | Haman, George C. | June 4, 1880 | As owner. | Little Sioux. | Sioux City. | Nov. 4, 1890 | |
| 1071 | Howenstein, W. M. | June 14, 1880 | As owner. | Little Sioux. | | | |
| 1139 | Husgle, H. W. | June 14, 1880 | As owner. | Little Sioux. | | | |
| 1185 | Hansen, F. | June 29, 1880 | As owner. | Cedar Rapids. | | | |
| 1196 | Hopper, B. M. | July 9, 1880 | As owner. | Viola. | | | |
| 1197 | Hopper, Mary S. | June 14, 1880 | As owner. | Windsor. | | | |
| 1280 | Hopwood, A. L. | June 8, 1880 | As owner. | Wintfield. | | | |
| 1319 | Hanna, John W. | July 9, 1880 | As owner. | St. Ansgar. | | | |
| 1428 | Heffritz, E. | July 25, 1880 | As owner. | Springville. | | | |
| 1473 | Houghton, F. E. | July 16, 1880 | As owner. | Springville. | | | |
| 1518 | Hansen, H. C. | July 20, 1880 | As assistant. | Adel. | | | |
| 1839 | Henry, George C. | July 28, 1880 | As assistant. | Des Moines. | | | |

Out of business.

ABSTRACT—CONTINUED

Number of certificates.

| Number of certificates. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|-------------------------|---------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 1688 | Haskell, George E. | Aug. 4, 1880 | By examination | Oelwein | Decorah | Mar. 22, 1882 | Left the state. |
| 1687 | Harlan, Charles E. | Aug. 3, 1880 | By examination | Des Moines | | | |
| 1686 | Hammer, Alfred | Aug. 10, 1880 | By examination | Des Moines | | | |
| 1685 | Harlan, L. L. | July 31, 1880 | By examination | Ottumwa | Hawarden | May 22, 1886 | |
| 1722 | Harris, T. C. | Sept. 4, 1880 | As owner | Bartlett | | | |
| 1724 | Heiser, Rudolph | Sept. 14, 1880 | As owner | Keokuk | | | |
| 1721 | Herrriott, John | Sept. 17, 1880 | As owner | Stuart | | | |
| 1772 | Hubbard, L. W. | Oct. 10, 1880 | As owner | Monmouth | | | |
| 1785 | Hinshaw, John | Sept. 4, 1880 | By examination | Winterset | | | |
| 1802 | Hays, David D. | Aug. 24, 1880 | By examination | Cambridge | Riverton | Nov. 11, 1892 | Out of business. |
| 1820 | Hinkle, George W. | Oct. 28, 1880 | As owner | Harvard | | | |
| 2003 | Hall, Solon G. | Dec. 21, 1880 | By examination | West Side | | | Out of business. |
| 2058 | Hyzer, William W. | Feb. 26, 1881 | By examination | Cassey | Guthrie Center | Feb. 20, 1883 | Out of business. |
| 2056 | Hume, James H. | Feb. 28, 1881 | By examination | Scranton | Brunswick, Mo. | Jan. 27, 1892 | |
| 2087 | Harrison, D. C. | Mar. 30, 1881 | By examination | Clarksville | | | |
| 2132 | Houston, O. J. | May 21, 1881 | By examination | Audubon | D's Moines | April 10, 1891 | Out of business. |
| 2201 | Henderson, H. O. | July 15, 1881 | By examination | Cherokee | Sioux City | | |
| 2206 | Horton, Frank A. | Aug. 24, 1881 | By examination | Gilman | Rock Rapids | Mar. 24, 1887 | |
| 2242 | Hammer, A. G. | Nov. 11, 1881 | Graduate | Des Moines | | | |
| 2268 | Hawver, B. H. | Nov. 10, 1881 | By examination | Audubon | Dedham | Mar. 22, 1882 | Out of business. |
| 2343 | Hine, Charles W. | Feb. 23, 1882 | By examination | Stanton | Clinton | | |
| 2417 | Huston, J. T. | April 21, 1882 | By examination | Clinton | | | |
| 2422 | Harmon, J. A. | April 29, 1882 | By examination | Irwin | | | Out of business. |
| 2424 | Hinton, G. A. | May 5, 1882 | By examination | Frederick | Oskaloosa | Mar. 10, 1897 | |
| 2461 | Hite, Robert B. | May 26, 1882 | By examination | Charinda | | | |
| 2484 | Handle, Daniel | June 22, 1882 | By examination | Oaawa | | | |
| 2496 | Hoge, Ed H. | July 3, 1882 | By examination | Strawberry Point | | | Left the state. |
| 2540 | Henderson, J. S. | Sept. 17, 1882 | By examination | Rose Hill | Muchakinock | July 5, 1884 | |
| 2549 | Hosletter, J. I. | Dec. 1, 1882 | By examination | Colo | | | Out of business. |
| 2496 | Holbrook, G. A. | Feb. 10, 1883 | By examination | Dyersville | Webster City | April 9, 1897 | |
| 2552 | Hansen, J. E. | Feb. 12, 1883 | By examination | Illino | | | Out of business. |
| 2585 | Henderson, W. A. | Mar. 5, 1883 | By examination | West Branch | Clarinda | Oct. 14, 1884 | |
| 2603 | Higdon, O. B. | April 17, 1883 | By examination | Alierton | Ottumwa | Mar. 16, 1887 | |
| 2643 | Hanes, George W. | June 5, 1883 | By examination | Maynard | | | |
| 2655 | Hayes, J. W. | July 3, 1883 | By examination | Des Moines | Cedar Rapids | May 9, 1885 | |
| 2665 | Hovey, Frank | July 27, 1883 | By examination | Fort Dodge | | | |
| 2704 | Holtzschuherr, O. | Nov. 28, 1883 | By examination | Oreston | Ottumwa | | |
| 2700 | Hadden, D. E. | Dec. 18, 1883 | By examination | Le Mars | Alta | April 7, 1887 | |
| 2715 | Howe, A. J. | Jan. 30, 1884 | By examination | Greenfield | Glenwood | Oct. 9, 1888 | Out of business. |
| 2744 | Hugg, A. A. | May 1, 1884 | By examination | Oakaloosa | | | |
| 2782 | Hampton, R. B. | July 15, 1884 | By examination | West Liberty | Neola | Sept. 23, 1891 | |
| 2789 | Howard, George R. | July 26, 1884 | By examination | Tama City | Beaman | April 22, 1898 | |
| 2804 | Hong, E. | Sept. 3, 1884 | By examination | Storm Lake | | | Whitewood, S. D. |
| 2837 | Hughley, W. H. | Feb. 7, 1885 | By examination | Storm Lake | | | |
| 2903 | Hyde, W. P. | July 6, 1885 | By examination | Le Claire | Grundy Center | | |
| 2904 | Hummell, M. | June 19, 1885 | By examination | Ocheyedan | (Ocheyedan only) | | |
| 2910 | Hamilton, E. G. | Aug. 4, 1886 | By examination | Persta | | | |
| 2936 | Hill, F. M. | Oct. 10, 1885 | By examination | Sheldon | | | |
| 2981 | Howard, Fletcher | Feb. 2, 1885 | By examination | Fairfield | | | In Denver. |
| 3031 | Hampson, James O. | June 18, 1886 | By examination | Audubon | Extra | Feb. 8, 1890 | |
| 3061 | Houston, C. W. | Aug. 3, 1886 | By examination | Lake City | Burt | Dec. 4, 1892 | |
| 3080 | Hall, Lincoln | Oct. 19, 1886 | By examination | Humboldt | | | |
| 3110 | Haverscamp, J. J. | Dec. 21, 1886 | By examination | Muscatine | | | |
| 3120 | Hubbard, H. C. | Feb. 1, 1887 | By examination | Belmond | | | |
| 3141 | Harr, D. D. | Feb. 23, 1887 | By examination | Gladbrook | | | |
| 3154 | Haering, H. M. | Feb. 25, 1887 | By examination | Wilefield | | | |
| 3165 | Huston, J. E. | Feb. 25, 1887 | By examination | Anamosa | | | |
| 3173 | Howard, O. R. | Mar. 15, 1887 | By examination | Guttenberg | | | |
| 3190 | Heine, W. H. | Mar. 18, 1887 | By examination | Fort Dodge | | | |
| 3230 | Hummer, James S. | May 10, 1887 | By examination | Maynard | | | |
| 3213 | Hadel, H. S. | April 5, 1887 | By examination | Iowa Falls | Marion | April 12, 1888 | |
| 3220 | Hibner, George M. | April 19, 1887 | By examination | Hampton | Fort Dodge | Mar. 3, 1897 | Out of business. |
| 3245 | Hine, J. B. | May 17, 1887 | By examination | Newell | Chicago | | |
| 3287 | Hamill, John E. | June 21, 1887 | By examination | Council Bluffs | | | |
| 3273 | Houghton, F. W. | July 5, 1887 | By examination | Marengo | | | |
| 3113 | Haas, Fred | Oct. 20, 1887 | By examination | Oreston | Waverly | Mar. 10, 1896 | |
| 3338 | Henry, Arthur B. | Oct. 30, 1887 | By examination | Storm Lake | | | |
| 3340 | Hassels, J. C. | Nov. 12, 1887 | By examination | Bloomfield | Red Oak | Mar. 15, 1890 | |
| 3347 | Hullett, Arthur | Dec. 17, 1887 | By examination | Sioux City | | | |
| 3382 | Haefer, E. C. | Dec. 20, 1887 | By examination | Grinnell | | | |
| 3387 | Hedges, Thomas M. | Feb. 7, 1888 | By examination | Burlington | | | |
| 3374 | Hardy, Rufus L. | Feb. 19, 1888 | By examination | Elkader | | | In Nebraska. |
| 3384 | Hagensick, A. E. | Mar. 20, 1888 | By examination | Indianola | | | |
| 3430 | Husted, D. W. | Mar. 20, 1888 | By examination | West Liberty | | | |
| 3421 | Henderson, E. L. | Mar. 20, 1888 | By examination | Boone | Leon | Sept. 11, 1888 | |
| 3431 | Hornor, T. E. | April 3, 1888 | By examination | Missouri Valley | | | |
| 3460 | Huff, T. O. | May 15, 1888 | By examination | Auburn | Laurens | June 17, 1890 | Out of business. |
| 3484 | Higlas, J. W. | May 21, 1888 | By examination | Avoca | | | |
| 3498 | Hammer, E. C. | Sept. 7, 1888 | By examination | Orange City | | | |
| 3520 | Hipsley, J. C. | Mar. 6, 1889 | By examination | Webster City | | | |
| 3615 | Hoffman, Charles F. | Mar. 12, 1889 | By examination | Rockwell | | | In Montana. |
| 3622 | Handel, George W. | Mar. 12, 1889 | By examination | Hubbard | Lake View | Sept. 3, 1888 | |
| 3640 | Howland, G. W. | April 10, 1889 | By examination | Storm Lake | Des Moines | Mar. 16, 1888 | |
| 3650 | Hunter, J. P. | May 31, 1889 | By examination | Waterloo | | | |
| 3674 | Horsman, U. O. | June 10, 1889 | By examination | Hampton | | | |
| 3677 | Henderson, J. I. | June 15, 1889 | By examination | | | | |
| 3679 | Barriman, O. B. | June 18, 1889 | By examination | | | | |

ABSTRACT—CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|----------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 3662 | Hofer, A. E. | July 16, 1889 | By examination. | Solon. | (Solon only) | | |
| 3706 | Hall, L. G. | Aug. 16, 1889 | By examination. | Oggon. | | | |
| 3712 | Harrison, C. | Aug. 20, 1889 | By examination. | Burlington. | Council Bluffs. | April 12, 1898 | |
| 3718 | Hunter, Vincent | Aug. 20, 1889 | By examination. | Fredericksburg. | New Albia. | Mar. 3, 1892 | |
| 3718 | Holmes, W. L. | Sept. 3, 1889 | By examination. | Keota. | | | |
| 3750 | Hunt, Homer. | Oct. 16, 1889 | By examination. | Tama. | Comanche. | May 17, 1890 | |
| 3774 | Hufford, W. S. | Dec. 3, 1889 | By examination. | Clinton. | Des Moines. | April 5, 1890 | |
| 3785 | Haslach, John A. | Dec. 16, 1889 | By examination. | Ottumwa. | Bloomfield. | Mar. 15, 1899 | |
| 3806 | Hendrix, N. T. | Jan. 23, 1890 | By examination. | Lets. | Columbus Junction. | Oct. 29, 1890 | |
| 3807 | Herley, George F. | Jan. 23, 1890 | By examination. | Rockwell. | Emmetsburg. | Oct. 6, 1890 | |
| 3828 | Harrington, J. D. | Oct. 2, 1890 | By examination. | Wyoming. | Grand Maund. | Jan. 9, 1891 | |
| 3845 | Hill, Olin E. | Mar. 15, 1890 | By examination. | Clinton. | | | |
| 3851 | Henak, Miss Lillian. | Mar. 18, 1890 | By examination. | Missouri Junction. | Little Sioux. | | Out of business. |
| 3853 | Hagan, James H. | Mar. 18, 1890 | By examination. | Des Moines. | | | In Chicago. |
| 3871 | Hews, E. H. | Mar. 18, 1890 | By examination. | Rockwell City. | | | |
| 3876 | Hunter, Fred. | April 15, 1890 | By examination. | Mt. Ayr. | | | |
| 3879 | Hilsabeck, E. F. | April 17, 1890 | By examination. | Manning. | | | |
| 3888 | Henderson, C. B. | April 28, 1890 | By examination. | Waterloo. | | | |
| 3899 | Hedges, Miss Flo L. | June 10, 1890 | By examination. | Grinnell. | | | |
| 3943 | Herbert, Frank. | Oct. 7, 1890 | By examination. | Bridgewater. | | | |
| 3975 | Hatre, Will W. | Jan. 1, 1891 | By examination. | Fort Dodge. | | | |
| 3977 | Harris, W. W. | Jan. 22, 1891 | By examination. | Minburn. | Bloomfield. | June 22, 1898 | |
| 4006 | Hoff, J. A. | Mar. 7, 1891 | By examination. | Waterloo. | Doon. | | |
| 4009 | Hochstetter, E. F. | Mar. 7, 1891 | By examination. | Des Moines. | Kalona. | Mar. 10, 1893 | |
| 4013 | Homan, Richard. | Mar. 7, 1891 | By examination. | Des Moines. | | | |
| 4016 | Hunt, A. V. | Mar. 18, 1891 | By examination. | New Market. | Clarinda. | Dec. 5, 1893 | |
| 4026 | Honold, F. J. | Apr. 7, 1891 | By examination. | Leon. | | | |
| 4034 | Henderson, James M. | April 18, 1891 | Graduate. | Washington. | | | |
| 4041 | Harrison, J. H. | April 23, 1891 | Graduate. | Davenport. | | | |
| 4041 | Heal, Frank. | May 8, 1891 | Graduate. | Wesley. | | | |
| 4054 | Haas, Daniel J. | May 29, 1891 | Graduate. | Fairfield. | | | |
| 4066 | Happman, John. | June 2, 1891 | Graduate. | Dubuque. | | | |
| 4085 | Hummel, Charles O. | June 16, 1891 | Graduate. | Burlington. | Grundy Center. | | |
| 4085 | Hoffman, G. W. | June 23, 1891 | Graduate. | Lamont. | | | |
| 4111 | Hornor, Miss S. V. | Aug. 29, 1891 | By examination. | Osawa. | | | |
| 4129 | Hingtzen, Nich J. | Oct. 28, 1891 | By examination. | Bellevue. | La Motte. | Jan. 21, 1892 | Out of business. |
| 4134 | Hindorf, A. E. | Nov. 5, 1891 | By examination. | Dexter. | Newton. | May 14, 1892 | |
| 4142 | Henry, W. F. | Nov. 17, 1891 | By examination. | Nora Springs. | Des Moines. | Feb. 12, 1893 | |
| 4143 | Harr, John L. | Nov. 17, 1891 | By examination. | Belmond. | Klemme. | Nov. 30, 1892 | |
| 4150 | Hufford, Ed. H. | Dec. 1, 1891 | By examination. | Fairfield. | | | Out of business. |
| 4157 | Hibbs, G. H. | Dec. 19, 1891 | By examination. | Mitchellville. | | | |
| 4167 | Hanecker, G. E. | Jan. 29, 1892 | By examination. | Mt. Vernon. | Jewell Junction. | Feb. 26, 1897 | |
| 4179 | Hogle, Isaac W. | Feb. 12, 1892 | By examination. | Mt. Vernon. | | | |
| 4185 | Harlan, Oren O. | Mar. 3, 1892 | By examination. | Storm Lake. | | | |
| 4204 | Hennig, William J. | Mar. 24, 1892 | By examination. | Clinton. | | | |
| 4211 | Hackett, C. W. | April 5, 1892 | By examination. | Des Moines. | Marathon. | June 31, 1892 | |
| 4223 | Haynes, Charles E. | Mar. 8, 1892 | By examination. | Oskaloosa. | Vinton. | | |
| 4226 | Henderson, H. J. | May 3, 1892 | By examination. | Williamsburg. | | | Out of business. |
| 4234 | Hughes, Ralph E. | May 10, 1892 | By examination. | Laurens. | | Sept. 5, 1894 | |
| 4246 | Hamill, Mrs. E. B. | June 7, 1892 | By examination. | Stanhope. | | | |
| 4254 | Hughes, Thomas. | June 24, 1892 | By examination. | Victor. | Hartley. | Mar. 31, 1894 | |
| 4258 | Hilsabeck, T. M. | July 1, 1892 | By examination. | Manilla. | | | |
| 4266 | Hazlett, John C. | July 5, 1892 | By examination. | Muscataine. | | | |
| 4273 | Hoel, E. J. | July 13, 1892 | By examination. | Clare. | | | |
| 4284 | Henry, John W. | Aug. 4, 1892 | Graduate. | Greeley. | Strawberry Point. | Nov. 19, 1893 | |
| 4286 | Hamler, W. A. | Aug. 2, 1892 | By examination. | Atlantic. | Exira. | Mar. 19, 1896 | |
| 4287 | Hollan, J. H. | Aug. 2, 1892 | By examination. | Rockwell. | Washa. | Dec. 7, 1897 | |
| 4294 | Harrison, J. W. | Aug. 25, 1892 | By examination. | Anita. | Gathrie Center. | April 13, 1897 | |
| 4298 | Holland, John E. | Sept. 6, 1892 | By examination. | Mt. Pleasant. | | | |
| 4317 | Harrison, Fred W. | Oct. 4, 1892 | By examination. | Hamoston. | | | |
| 4327 | Hoagland, T. T. | Nov. 1, 1892 | By examination. | Nora Springs. | Jesup. | June 25, 1897 | |
| 4330 | Higbee, U. B. | Dec. 30, 1892 | By examination. | Ruthven. | Spencer. | April 24, 1896 | |
| 4355 | Hutchinson, J. A. | Jan. 3, 1893 | By examination. | Truro. | | | |
| 4359 | Holmes, George B. | Jan. 10, 1893 | By examination. | Marshalltown. | Cedar Rapids. | May 8, 1893 | |
| 4380 | Henderson, C. K. | Feb. 8, 1893 | By examination. | West Liberty. | | | |
| 4393 | Hermanson, T. P. | Mar. 7, 1893 | By examination. | Goldfield. | Roland. | Mar. 10, 1894 | |
| 4413 | Hoon, Grant. | Mar. 7, 1893 | By examination. | Jana. | | | |
| 4419 | Hanson, A. W. | Mar. 18, 1893 | Graduate. | Tippon. | Buffalo Center. | Northwood. | Jan. 6, 1896 |
| 4423 | Hufford, G. E. | Mar. 28, 1893 | By examination. | Des Moines. | | Oct. 6, 1897 | |
| 4430 | Hursh, Will T. | April 4, 1893 | By examination. | Des Moines. | | | |
| 4469 | Hurlbut, J. R. | June 6, 1893 | By examination. | Des Moines. | | | |
| 4480 | Harrod, H. D. | June 26, 1893 | By examination. | Montezuma. | Des Moines. | Jan. 16, 1894, | |
| 4484 | Hamilton, L. C. | July 5, 1893 | By examination. | Clarion. | | | |
| 4502 | Hedley, John E. | Aug. 9, 1893 | By examination. | Dubuque. | | | |
| 4555 | Hammer, O. H. | Dec. 3, 1893 | By examination. | Hawarden. | | | South Dakota. |
| 4573 | Heid, William. | Feb. 6, 1894 | By examination. | Burlington. | | | |
| 4578 | Hieber, Louis O. | Feb. 6, 1894 | By examination. | Clarion. | Cedar Falls. | Dec. 15, 1894 | |
| 4584 | Hart, W. E. | Feb. 6, 1894 | By examination. | Rathven. | West Side. | Sept. 11, 1895 | |
| 4614 | Haygarth, W. W. | Mar. 6, 1894 | By examination. | Rathven. | Clarkson. | Nov. 12, 1897 | |
| 4618 | Hills, F. N. | April 3, 1894 | By examination. | Clarion. | | | |
| 4632 | Holt, Edward S. | April 17, 1894 | By examination. | Anamosa. | | | |
| 4650 | Hildeshime, Jacob J. | May 1, 1894 | By examination. | Aiton. | Rock Valley. | July 27, 1894 | |
| 4654 | Holmes, Eva R. | May 1, 1894 | By examination. | Clarion. | Canaway. | Feb. 23, 1895 | |
| 4657 | Halbert, M. M. | June 5, 1894 | By examination. | Elliot. | Imogen. | Aug. 15, 1894 | |
| 4694 | Hughes, Edward J. | July 3, 1894 | By examination. | Mystic. | | | |
| 4720 | Henderson, Harry H. | Sept. 4, 1894 | By examination. | Waterloo. | Indianola. | Mar. 24, 1898 | |

ABSTRACT—CONTINUED.

| Number of certificates. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|-------------------------|-----------------------|-----------------------|---------------------|------------------------|--------------------------|----------------------|---------------|
| 4723 | Harriman, J. E. | Sept. 4, 1894 | By examination..... | Hampton. | | | |
| 4744 | Hamilton, Ralph C. | Oct. 2, 1894 | By examination..... | Keota. | | | |
| 4746 | Haeber, Henry F. | Oct. 2, 1894 | By examination..... | Labon. | | | |
| 4752 | Hoy, Andrew W. | Oct. 2, 1894 | By examination..... | Cedar Falls. | Marshalltown | Oct. 9, 1896 | |
| 4757 | Haffner, F. F. | Dec. 4, 1894 | By examination..... | Siemon. | | | |
| 4760 | Hill, F. E. | Dec. 18, 1894 | By examination..... | Oelwein. | | | |
| 4807 | Harris, Lewis C. | May 15, 1895 | By examination..... | Winterset. | Thurman | Dec. 29, 1893 | |
| 4808 | Henery, Wilbur J. | Dec. 23, 1895 | By examination..... | Lake Mills. | | | |
| 4831 | Helgeson, P. A. | Mar. 5, 1895 | By examination..... | Bellevue. | | | |
| 4848 | Hanske, Ed. A. | Mar. 29, 1895 | By examination..... | Boone. | | | |
| 4849 | Hintz, Louis W. | Mar. 29, 1895 | By examination..... | Blockton. | | | |
| 4854 | Hall, A. F. | Mar. 28, 1894 | By examination..... | Afton | Knowlton | May 17, 1899 | |
| 4873 | Honse, J. G. | May 7, 1894 | By examination..... | Rumolt. | Livermore | Mar. 14, 1898 | |
| 4896 | Hack, Leon D. | June 18, 1895 | By examination..... | Ackley | Hamburg | July 9, 1896 | |
| 4900 | Helberger, Matthew G. | July 2, 1895 | By examination..... | Clinton. | Emerson | Mar. 6, 1896 | |
| 4906 | Holzinger, P. S. | Sept. 17, 1895 | By examination..... | Council Bluffs | | | |
| 4932 | Heupel, F. C. | Dec. 3, 1893 | By examination..... | Wall Lake. | | | |
| 4948 | Hansen, George | Dec. 3, 1893 | By examination..... | Massena | Atlantic | Jan. 15, 1896 | |
| 4955 | Hopkins, C. M. | Dec. 3, 1895 | By examination..... | Des Moines. | | | |
| 4961 | Heath, Lawrence | Dec. 17, 1895 | Graduate..... | Delta. | | | |
| 4969 | Harrod, I. E. | Jan. 3, 1896 | By examination..... | Watkins. | Garrison | April 28, 1896 | |
| 4973 | Holden, J. P. | Jan. 7, 1896 | By examination..... | Logan. | M'ssouri Valley | May 11, 1896 | |
| 4974 | Heiden, L. P. | Jan. 7, 1896 | By examination..... | Elliott. | | | |
| 4989 | Harvey, R. W. | Feb. 4, 1896 | By examination..... | Logan. | | | |
| 4991 | Hully, H. D. | Feb. 4, 1896 | By examination..... | Macedonia. | | | |
| 4994 | Hesse, R. C. | Feb. 4, 1896 | By examination..... | Swan. | | | |
| 4996 | Harlan, Will D. | Feb. 4, 1896 | By examination..... | Struble. | | | |
| 5004 | Hallowell, J. E. | Feb. 25, 1896 | By examination..... | Iowa Falls. | Gilmore City | Sept. 29, 1896 | |
| 5017 | Horton, F. E. | Mar. 3, 1896 | By examination..... | Reynolds. | | | |
| 5038 | Hibner, Charles, Jr. | April 16, 1896 | Graduate..... | Lyons. | Lake Park | Dec. 3, 1897 | |
| 5052 | Haag, A. M. | May 5, 1896 | By examination..... | Tipton. | | | |
| 5068 | Hageboeck, W. B. | May 5, 1896 | By examination..... | Early | Marathon | Dec. 5, 1898 | |
| 5069 | Hirschfeld, Frank | June 2, 1896 | By examination..... | Boone. | | | |
| 5098 | Hannum, W. J. | June 2, 1896 | By examination..... | Eldora. | | | |
| 5104 | Hamilton, Wm. | July 7, 1896 | By examination..... | Mason City | Plymouth | May 3, 1897 | |
| 5154 | Hanter, E. G. C. | Aug. 4, 1896 | By examination..... | | | | |
| 5159 | Hintzen, H. F. | Jan. 1, 1896 | By examination..... | | | | |
| 5130 | Harstad, Oliver | Aug. 4, 1896 | By examination..... | Sioux City. | | | |
| 5139 | Horton, O. D. | Sept. 1, 1896 | By examination..... | Ft. Atkinson. | | | |
| 5150 | Hatelstad, M. L. | Oct. 6, 1896 | By examination..... | Radcliffe. | Grundy Center. | | |
| 5161 | Hummel, J. F. | Oct. 6, 1896 | By examination..... | Grinnell. | | | |
| 5152 | Hedges, Grace L. | Oct. 6, 1896 | By examination..... | Des Moines. | | | |
| 5159 | Hill, J. G. | Nov. 4, 1896 | Graduate..... | Des Moines. | | | |
| 5162 | Hansch, Harry H. | Jan. 29, 1898 | By examination..... | Greenfield. | | | |
| 5206 | Harper, J. A. Jr. | Feb. 2, 1897 | By examination..... | Clinton | Eldora | Mar. 17, 1899 | |
| 5213 | Hartman, C. P. | Mar. 2, 1897 | By examination..... | Strawberry Point. | Alta Vista | Feb. 27, 1899 | |
| 5214 | Henry, A. L. | Mar. 2, 1897 | By examination..... | Storm Lake | | | |
| 5227 | Highley, L. E. | Mar. 9, 1897 | By examination..... | Carson | Corning | July 3, 1897 | Whitewood, S. |
| 5235 | Harris, H. H. | April 6, 1897 | By examination..... | Oakland. | | | |
| 5264 | Hastings, W. O. | May 4, 1897 | By examination..... | Early. | | | |
| 5284 | Huest, O. C. | May 4, 1897 | By examination..... | Clare. | | | |
| 5310 | Harrison, Burton Z. | Aug. 3, 1897 | By examination..... | Marshalltown | Meibourne | April 22, 1898 | |
| 5311 | Hirons, W. F. | Aug. 3, 1897 | By examination..... | Des Moines. | | | |
| 5321 | Hood, E. B. | Sept. 7, 1897 | By examination..... | Marshalltown | | | |
| 5322 | Hambleton, W. M. | Sept. 7, 1897 | By examination..... | Des Moines. | | | |
| 5336 | Huls, R. E. | Sept. 30, 1897 | Graduate..... | Red Oak. | | | |
| 5349 | Hieber, Beal | Nov. 9, 1897 | By examination..... | Corning. | | | |
| 5384 | Hinchman, O. B. | Feb. 1, 1898 | By examination..... | Dows. | Ottumwa | | |
| 5401 | Hedinger, Edward | Feb. 1, 1898 | By examination..... | Ottumwa. | | | |
| 5411 | Hemenway, J. R. | Mar. 1, 1898 | By examination..... | Dumont. | | | |
| 5412 | Horney, L. O. | Mar. 1, 1898 | By examination..... | Decorah. | | | |
| 5430 | Holt, N. B. | Mar. 1, 1898 | By examination..... | Ackley. | | | |
| 5453 | Halloran, E. M. | April 5, 1898 | By examination..... | Popejoy. | | | |
| 5511 | Holaban, J. F. | July 27, 1898 | Graduate..... | Eagle Grove | Everly | Mar. 8, 1899 | |
| 5518 | Hackrott, H. G. | July 27, 1898 | By examination..... | Centerville. | | | |
| 5526 | Hoyt, A. L. | July 7, 1898 | By examination..... | Westside. | | | |
| 5554 | Hall, O. E. | Aug. 3, 1898 | By examination..... | Newell | Roife | Mar. 14, 1899 | |
| 5573 | Hays, W. S. | Sept. 6, 1898 | By examination..... | Malcom. | | | |
| 5581 | Harrison, J. J. | Oct. 4, 1898 | Graduate..... | Maquoketa. | | | |
| 5594 | Hemning, A. F. | Nov. 1, 1898 | By examination..... | Clinton | | | |
| 5601 | Hubbert, F. P. | Dec. 6, 1898 | By examination..... | Clarton | | | |
| 5602 | Hamley, E. O. | Dec. 6, 1898 | By examination..... | Pringhar. | | | |
| 5624 | Higgins, E. A. | Jan. 3, 1899 | By examination..... | Council Bluffs. | Manning | June 2, 1899 | |
| 5651 | Hartsack, L. M. | Mar. 7, 1899 | Graduate..... | Des Moines | | | |
| 5688 | Hays, S. O. | April 4, 1899 | Graduate..... | Council Bluffs. | | | |
| 5661 | Hieber, H. G. | April 4, 1899 | Graduate..... | Des Moines | | | |
| 5682 | Hauptman, D. H. | May 6, 1899 | Graduate..... | Council Bluffs. | | | |
| 5684 | Hauptman, John | May 6, 1899 | Graduate..... | Hawarden. | | | |
| 5697 | Halden, W. R. | May 2, 1899 | By examination..... | Waverly. | | | |
| 5704 | Henry, J. J. | May 3, 1899 | By examination..... | Waverly. | | | |
| 5705 | Haswell, E. L. | June 6, 1899 | Graduate..... | Waverly. | | | |
| 5720 | Hamilton, E. T. | July 6, 1899 | Graduate..... | Waverly. | | | |
| 5722 | Hoover, J. W. | July 6, 1899 | Graduate..... | Waverly. | | | |
| 5725 | Humphries, Maude | July 6, 1899 | Graduate..... | Waverly. | | | |
| 5729 | Harwood, M. F. | July 6, 1899 | Graduate..... | Waverly. | | | |
| 5740 | Hamilton, J. V. | July 6, 1899 | By examination..... | Waverly. | | | |
| 5760 | Horn, Charles C. | Aug. 1, 1899 | Graduate..... | Waverly. | | | |

ABSTRACT—CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|-----------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 5785 | Huddleston, T. F. | Aug. 1, 1896 | Graduate. | Sloan. | | | |
| 1576 | Inglis, Joseph E. | Aug. 22, 1890 | As owner. | Denmark. | | | |
| 1606 | Irwin, Charles E. | Aug. 3, 1893 | By examination. | Elliott. | Henderson. | April 4, 1886 | |
| 2308 | Ingersoll, R. B. | April 17, 1893 | By examination. | Boone. | | | |
| 3278 | Isbell, G. A. | May 12, 1895 | By examination. | Maquoketa. | | | |
| 3559 | Ingvaldstad, C. O. | Nov. 20, 1888 | By examination. | Sergeant's Bluffs. | Milford. | Jan. 27, 1897 | |
| 3598 | Inglieson, Fritz E. | Feb. 14, 1889 | By examination. | Des Moines. | Goldfield. | Mar. 20, 1897 | |
| 3988 | Israel, Miss Mary | Feb. 7, 1891 | By examination. | (Brighton only). | | | |
| 3993 | Irwin, William T. | Feb. 17, 1891 | By examination. | Oresco. | Valley Junction. | Mar. 5, 1894 | |
| 4334 | Isbell, Arthur | Nov. 1, 1892 | By examination. | Angus | Olin | July 27, 1899 | |
| 4326 | Irwin, Henry K. | Dec. 15, 1893 | By examination. | Boone. | Indianola. | Aug. 26, 1897 | |
| 4559 | Ingersoll, J. B. | Nov. 8, 1894 | By examination. | Zearing. | | | |
| 4772 | Inglidue, E. O. | Nov. 7, 1895 | Graduate. | Waterloo. | | | |
| 5588 | Johnson, S. M. | June 19, 1880 | As owner. | Carson. | | | |
| 236 | Johnson, Ella E. | June 3, 1890 | As owner. | Cedar Falls. | | | |
| 355 | Johnson, Henry | June 12, 1890 | As assistant. | Des Moines. | | | |
| 407 | Jones, Edward L. | June 3, 1890 | As owner. | Grinnell. | | | |
| 630 | Johnson, Joseph G. | June 3, 1890 | As owner. | La Porte City. | | | |
| 745 | James, Isaac | June 3, 1890 | As owner. | Oelwein. | | | |
| 1011 | Jamison, George W. | June 5, 1890 | As assistant. | Reinbeck. | | | |
| 1088 | Junger, Hugo | Aug. 27, 1890 | As owner. | Danville. | | | |
| 1607 | Jordan, F. H. | Aug. 27, 1890 | As owner. | Fertile. | | | Burlington, Ia. |
| 1836 | Jones, J. E. | Sept. 20, 1890 | By examination. | Winthrop. | | | |
| 1853 | Johnson, L. M. | Oct. 13, 1890 | By examination. | Denison. | Storm Lake. | June 21, 1892 | |
| 1863 | Jones, J. B. | Oct. 13, 1890 | By examination. | Peoria City. | Atlantic | April 15, 1885 | Out of business. |
| 1897 | Jones, G. W. | April 7, 1881 | By examination. | Wilton Junction. | Coifax. | Mar. 9, 1890 | |
| 2042 | Joder, Josiah H. | Dec. 6, 1881 | By examination. | La Mollie. | | | |
| 2073 | Jennings, Joseph, Jr. | Mar. 28, 1882 | By examination. | Floris. | | | |
| 2289 | Jones, Barnett | April 17, 1882 | By examination. | Humboldt. | Ida Grove. | April 9, 1894 | |
| 2272 | Jones, Thomas B. | June 5, 1882 | By examination. | Breda. | Beaconsfield. | Aug. 25, 1898 | |
| 2307 | Jones, S. C. | Feb. 18, 1884 | By examination. | Clinton. | Pocahontas. | Nov. 25, 1895 | |
| 2468 | Jones, Uriah C. | Sept. 2, 1884 | By examination. | Fresno. | | | |
| 2722 | John, Milo J. | Sept. 10, 1886 | Graduate. | Shenandoah. | | | |
| 2900 | Jenkins, Hugh | Sept. 21, 1886 | By examination. | Des Moines. | | | |
| 3046 | Jay, George H. | | | | | | |
| 3077 | Jackson, J. W. | | | | | | In Missouri. |

| | | | | | | | |
|------|---------------------|----------------|-----------------|------------------|---------------|----------------|--|
| 3178 | Johnson, Alfred | Mar. 17, 1887 | By examination. | Given. | | | |
| 3292 | Jericho, John H. | Aug. 16, 1887 | By examination. | Mt. Pleasant. | | | |
| 3348 | Jurgenson, P. H. | Nov. 17, 1887 | By examination. | Uinton. | Lowden. | Jan. 15, 1890 | |
| 3358 | Johnson, John A. | Dec. 21, 1887 | By examination. | Des Moines. | Burlington. | Nov. 29, 1889 | |
| 3397 | Jordan, H. M. | Nov. 1, 1888 | By examination. | Danville. | Nora Springs. | Jan. 9, 1895 | |
| 3531 | Joseph, E. S. | Nov. 1, 1888 | By examination. | Stratford. | | | |
| 3552 | Johnson, Aaron | Nov. 1, 1888 | By examination. | Des Moines. | | | |
| 3596 | Jackson, Frank O. | Jan. 23, 1889 | By examination. | Cedar Falls. | Ames. | July 21, 1894 | |
| 3644 | Judisch, George | April 16, 1889 | By examination. | Muscatine. | | | |
| 3655 | Jones, E. S. | May 10, 1889 | By examination. | Chariton. | | | |
| 3795 | Johnson, Charles J. | Jan. 7, 1890 | By examination. | Clarinda. | | | |
| 3919 | John, G. W. | Jan. 15, 1890 | By examination. | Clarinda. | | | |
| 3929 | Jones, Paul W. | Feb. 15, 1890 | By examination. | Lucas. | Petersen. | April 25, 1898 | |
| 3961 | Jackson, G. H. | Mar. 20, 1890 | By examination. | Cresco. | Lester. | May 25, 1897 | |
| 3984 | Jones, Roland | Mar. 31, 1890 | By examination. | Le Mars. | Des Moines. | Nov. 24, 1896 | |
| 3984 | Jones, Roland | Mar. 31, 1890 | By examination. | Stanhope. | Hudson. | Sept. 4, 1896 | |
| 3982 | Joder, A. T. | Sept. 2, 1890 | By examination. | Waterloo. | | | |
| 4023 | Jones, L. H. | Sept. 4, 1890 | By examination. | Shelby. | | | |
| 4077 | Johnson, E. W. | June 9, 1891 | By examination. | Des Moines. | Prairie City. | May 12, 1892 | |
| 4108 | Johnson, H. B. | Aug. 24, 1891 | By examination. | Ottumwa. | Irwin. | June 29, 1898 | |
| 4113 | Jessen, Balzer T. | Sept. 1, 1891 | By examination. | Irwin. | | | |
| 4185 | Jones, Samuel A. | Jan. 28, 1892 | By examination. | Umberland. | | | |
| 4197 | Jones, Harry F. | Mar. 3, 1892 | By examination. | Clarinda. | Red Oak. | Feb. 6, 1899 | |
| 4199 | Johnson, Anton G. | Mar. 7, 1892 | Graduate. | Stouss Rapids. | Des Moines. | June 23, 1892 | |
| 4232 | Johnson, Henry A. | May 19, 1892 | Graduate. | Lima. | Volga City. | Dec. 1, 1897 | |
| 4252 | Jones, W. | Oct. 11, 1892 | By examination. | Stouss Rapids. | Calcahula. | April 17, 1894 | |
| 4337 | Jessup, A. E. | Dec. 6, 1892 | By examination. | Des Moines. | | | |
| 4394 | Jullus, E. D. | Feb. 7, 1893 | By examination. | Manson. | Albia. | Mar. 21, 1898 | |
| 4378 | Johnson, Dee W. | Jan. 24, 1893 | By examination. | Clarinda. | Des Moines. | June 1, 1895 | |
| 4441 | Jensen, Hans | May 2, 1893 | By examination. | Jewell Junction. | | | |
| 4547 | Johnson, J. N. | Nov. 23, 1893 | By examination. | Sigourney. | Logan. | Oct. 30, 1896 | |
| 4590 | Jones, J. D. | Jan. 24, 1893 | By examination. | Carbon. | | | |
| 4608 | Janss, Henry | Mar. 15, 1894 | Graduate. | Des Moines. | Iowa Falls. | Mar. 22, 1898 | |
| 4655 | Johnson, Franklin | May 1, 1894 | By examination. | Des Moines. | | | |
| 4685 | Junkerman, Julius | June 26, 1894 | By examination. | Ackley. | | | |
| 4751 | Jackson, M. E. | Oct. 2, 1894 | By examination. | Carbo. | Manson. | May 26, 1896 | |
| 4754 | Johnson, William F. | Oct. 2, 1894 | By examination. | Carbo. | Hawkeye. | Aug. 25, 1898 | |
| 4822 | Jester, Lula B. | Feb. 9, 1895 | By examination. | Muscatine. | | | |
| 4838 | Jones, A. E. | Mar. 5, 1895 | By examination. | Mechanicsville. | Cedar Rapids. | Dec. 16, 1896 | |
| 4822 | Jackson, T. C. | Aug. 6, 1895 | By examination. | Kossauqua. | | | |
| 4953 | Jeffrey, Frank D. | Dec. 3, 1895 | By examination. | Clarinda. | | | |
| 5118 | Johnson, T. W. | Aug. 4, 1896 | By examination. | Cedar Rapids. | | | |
| 5122 | Jones, O. H. | Aug. 4, 1896 | By examination. | Le Mars. | Salix. | Oct. 20, 1897 | |
| 5144 | Johnson, E. R. | Sept. 1, 1896 | By examination. | Lenox. | | | |
| 5161 | Johannsen, Otto | Nov. 6, 1896 | Graduate. | Davenport. | | | |
| 5336 | Junker, W. E. | Oct. 5, 1897 | By examination. | Toledo. | | | |
| 5454 | Jackson, T. O. | April 5, 1898 | By examination. | Red Oak. | Shenandoah. | Oct. 6, 1898 | |
| 5465 | Johnson, G. J. | April 5, 1898 | By examination. | Stouss Rapids. | | | |
| 5521 | Jayne, Edwin | July 27, 1898 | Graduate. | Muscatine. | Williamsburg. | Jan. 24, 1899 | |
| 5540 | Jarvis, Chas. B. | Aug. 8, 1898 | Graduate. | Blockton. | Adair. | Feb. 1, 1899 | |

ABSTRACT—CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|--------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|--------------|
| 5582 | Jones, Chas. R. | Oct. 4, 1898 | Graduate | Fort Madison. | | | |
| 5617 | Johnson, A. L. | Jan. 1, 1899 | By examination | Des Moines | Larchwood | Mar. 27, 1899 | |
| 5619 | Jenkins, W. J. | Jan. 3, 1899 | By examination | Colfax | | | |
| 5633 | Jensen, F. W. | Jan. 3, 1899 | By examination | Holstein | Belle Plaine | April 3, 1899 | |
| 5652 | Junger, W. F. | May 17, 1899 | Graduate | Keokuk | | | |
| 5703 | Jericho, A. Bert. | May 2, 1899 | By examination | Mt. Pleasant | | | |
| 5712 | Jessen, J. W. | June 6, 1899 | Graduate | Manning | | | |
| 5713 | Jones, M. L. | June 6, 1899 | Graduate | Guthrie Center. | | | |
| 115 | Keeler, George R. | June 12, 1880 | As owner | Wapello | | | |
| 207 | Kolls, Conrad A. | June 4, 1880 | As owner | Ackley | | | |
| 438 | Kemper, C. T. | June 14, 1880 | As owner | Eldridge Junction. | | | |
| 449 | K. ch. Peter T. | June 2, 1880 | As owner | Davenport. | | | |
| 546 | Kirkwood, T. J. | June 23, 1880 | As principal | Otley. | | | |
| 544 | Kirkwood, J. W. | June 5, 1880 | As assistant | Otley. | | | |
| 683 | Kerr, David A. | June 1, 1880 | As owner | Keokuk. | | | |
| 691 | Ri-datsch, J. F. | June 7, 1880 | As owner | Keokuk. | | | |
| 754 | Ketterling, S. | June 10, 1880 | As owner | Lisbon | | | |
| 842 | Kempf, Albert | June 9, 1880 | As assistant | Monticello. | | | |
| 903 | Kennedy, M. G. | June 25, 1880 | As owner | McGregor. | | | |
| 1170 | Keables, B. F. | July 12, 1880 | As owner | Pella. | | | |
| 1171 | Keables, J. B. | July 12, 1880 | As assistant | Pella. | | | |
| 1259 | Kenyon, J. O. | July 24, 1880 | As owner | Jesup. | | | |
| 1705 | Kees, John | Aug. 16, 1880 | By examination | Chariton. | Oreston | Mar. 16, 1887 | |
| 1798 | Knaul, Rudolph | Aug. 12, 1880 | By examination | Denison. | | | |
| 1800 | Krebs, J. P. | Sept. 10, 1880 | By examination | Muscatine. | | | |
| 1921 | Knapp, O. D. | Sept. 6, 1880 | By examination | Greenfield. | | | |
| 1973 | Keables, H. S. | Jan. 12, 1881 | As principal | Pella. | | | |
| 2063 | Kuffman, E. J. | Mar. 22, 1881 | By examination | Waverly. | | | |
| 2067 | Keelling, James H. | Jan. 13, 1881 | By examination | Steamboat Rock. | | | In Illinois. |
| 2155 | King, Albert E. | June 15, 1881 | By examination | Redding. | Blockton | Feb. 18, 1895 | |
| 2167 | Kneuer, H. C. | July 9, 1881 | By examination | Marengo. | | | |
| 2250 | Koto, P. O. | Oct. 17, 1881 | By examination | Forest City. | | | |
| 2288 | King, Thomas F. | Dec. 9, 1881 | By examination | Lineville. | | | |
| 2333 | Kirk, Charles R. | Jan. 28, 1882 | By examination | Moulton. | Chariton | May 23, 1884 | |
| 2393 | Kays, J. N. G. | Jan. 20, 1882 | By examination | Kentner's Grove. | | | |
| 2418 | Kane, Phillip. | April 26, 1882 | By examination | Oelwein. | | | |
| 2515 | Knapp, James J. | Aug. 18, 1882 | By examination | Dubuque. | Waterloo | Feb. 15, 1883 | |

| | | | | | | | |
|------|-----------------------|----------------|----------------|-----------------|-------------|----------------|------------------|
| 2595 | Koeler, Charles E. | Mar. 21, 1883 | By examination | Lake Mills. | | | In Missouri. |
| 2622 | Kinney, O. S. | Dec. 20, 1884 | By examination | Council Bluffs. | | | |
| 2633 | Knecht, Allen | Sept. 26, 1884 | By examination | Van Horn | Modale | Mar. 24, 1894 | |
| 2668 | Kuchmann, J. T. | April 27, 1885 | By examination | Des Moines. | De Witt | Jan. 24, 1887 | |
| 2682 | Kenyon, W. O. | Mar. 2, 1886 | By examination | Mt. Union. | Burlington | Aug. 15, 1888 | |
| 2887 | Kneist, Frank V. | Mar. 2, 1886 | By examination | Carroll. | Farmington | Oct. 15, 1895 | |
| 3005 | Kick, Fred | Aug. 5, 1886 | By examination | Keokuk. | | | |
| 3088 | Kiedalsch, J. Jr. | Oct. 19, 1886 | Graduate | Des Moines | Sioux City | Nov. 1, 1888 | |
| 3144 | Knos, Lars Peter | Mar. 1, 1887 | By examination | Keokuk. | | | |
| 3169 | Kriebs, George. | Mar. 1, 1887 | By examination | Elkport. | | | |
| 3216 | Kirk, A. M. | May 10, 1887 | By examination | Katherville. | Des Moines | Feb. 21, 1895 | Out of business. |
| 3277 | Karterman, M. R. | July 11, 1887 | By examination | Cedar Rapids | | | |
| 3123 | Killheffer, J. F. | Sept. 20, 1887 | By examination | Ida Grove. | | | |
| 3280 | Kessler, Joseph. | Feb. 7, 1888 | By examination | Hull. | Clinton | July 15, 1895 | |
| 3381 | Kiehl, R. S. | Feb. 8, 1888 | By examination | Cumberland. | Auburn | July 11, 1891 | |
| 3403 | Kennedy, A. L. | Feb. 22, 1888 | By examination | Anita. | | | |
| 3441 | Kessing, J. J. | April 17, 1888 | By examination | Newton. | | | |
| 3515 | Kent, Charles | Oct. 24, 1888 | Graduate | Iowa City. | Cummings | Sept. 15, 1895 | |
| 3611 | Koontz, J. F. | Mar. 5, 1889 | By examination | Cedar Rapids. | De Witt | April 15, 1892 | |
| 3628 | Koebert, P. H. | Mar. 25, 1889 | Graduate | Rossville | Humboldt | May 30, 1893 | |
| 3697 | Kinyon, Leslie W. | Aug. 3, 1889 | By examination | Davenport. | | | |
| 3709 | Koesoman, E. O. | Aug. 20, 1889 | By examination | Vail. | Whitten | June 2, 1891 | |
| 3761 | Kramer, C. F. | Nov. 5, 1889 | By examination | Hubbard | | | |
| 3792 | Kristenmacher, E. | Nov. 19, 1889 | By examination | McGregor. | Davenport. | | |
| 3816 | Kettlewell, C. E. | Jan. 31, 1890 | By examination | Davenport. | | | |
| 3824 | Kenneth, T. H. | Feb. 10, 1890 | By examination | Iowa City. | Garon | Feb. 12, 1891 | |
| 3853 | Kilbe, J. F. | Feb. 10, 1890 | By examination | Ackley | Belmond | Dec. 12, 1891 | |
| 3872 | Koobs, H. J. G. | Mar. 18, 1890 | By examination | Le Mars | Sioux City | Dec. 31, 1892 | |
| 3905 | Kirby, S. O. | Feb. 17, 1891 | By examination | Paullina. | | | |
| 4050 | Kaufman, A. | Sept. 15, 1891 | Graduate | Grand Junction. | | | |
| 4116 | Koch, Francis J. | Sept. 15, 1891 | Graduate | Waverly | Centerville | Sept. 16, 1895 | |
| 4196 | Koebler, Theodore A. | Dec. 12, 1891 | Graduate | Davenport. | | | |
| 4198 | Keefe, Matt J. | Mar. 3, 1892 | By examination | Waverly | Sumner | Mar. 21, 1892 | |
| 4249 | Kramme, H. W. | June 21, 1892 | By examination | Waterloo | Waterloo | April 14, 1894 | |
| 4307 | Kinyon, O. P. | Sept. 6, 1892 | By examination | Laurel | Barnes City | June 20, 1893 | |
| 4405 | Kullmer, John. | Sept. 21, 1892 | By examination | Ottumwa | Des Moines | Feb. 26, 1897 | |
| 4516 | Kaiser, Theodore. | Sept. 5, 1893 | By examination | Dysart. | | | |
| 4556 | Kaplan, Jay Gould. | Dec. 5, 1893 | By examination | Ottumwa. | | | |
| 4603 | Koapp, Miss Georgina. | Mar. 8, 1894 | By examination | Rock Rapids. | | | |
| 4634 | Kent, G. W. | Mar. 1, 1894 | By examination | Hull. | Rock Valley | July 7, 1897 | |
| 4669 | Kranz, George F. | June 5, 1894 | By examination | Hampton | Iowa Falls. | Mar. 26, 1898 | |
| 4708 | Ketterer, George A. | Aug. 5, 1894 | By examination | Bellevue. | | | |
| 4712 | Klemke, John E. | Aug. 4, 1894 | By examination | Gowrie. | | | |
| 4730 | Kiner, F. C. | Sept. 4, 1894 | By examination | Davenport. | | | |
| 4753 | Kidd, Mrs. Emma F. | Oct. 2, 1894 | By examination | Ida Grove. | | | |
| 4801 | Keltz, Bert F. | Jan. 2, 1895 | By examination | Riverton. | | | |
| 4816 | Kelm, Conrad | Feb. 5, 1895 | By examination | Webster City. | | | |
| 4844 | Kallein, James Loren. | Mar. 16, 1895 | Graduate | Fort Dodge. | | | |
| 4861 | Klostor, Ben J. | April 2, 1894 | By examination | Tama. | Cheslea | Jan. 7, 1896 | |

ABSTRACT—CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|----------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 4870 | Kingsry, J. K. | April 16, 1894 | By examination. | Creston | Orient | Jan. 7, 1896 | |
| 4903 | Kissel, George | July 9, 1895 | By examination. | Cresco | | | |
| 4905 | Kidd, Fred Z. | June 25, 1895 | By examination. | Oelwein | Allerton | Aug. 20, 1897 | |
| 4922 | Knudson, L. O. | Dec. 17, 1895 | By examination. | Montour | | | |
| 4990 | Klein, H. W. | Feb. 11, 1899 | By examination. | Rock Rapids | | | |
| 5016 | Kennedy, C. S. | Mar. 3, 1896 | By examination. | Logan | | | |
| 5025 | Kucheman, B. F. | Mar. 24, 1896 | By examination. | Bellevue | Meservey | July 15, 1898 | In Mexico. |
| 5029 | Kunstiger, E. D. | April 7, 1896 | By examination. | Bloomfield | | | |
| 5044 | Kendall, Charles | April 7, 1896 | By examination. | Fredericksburg | Earlville | Jan. 15, 1899 | |
| 5059 | Kilise, W. J. | April 7, 1896 | By examination. | Le Mars | | | |
| 5117 | Knutson, G. W. | June 5, 1894 | By examination. | Callender | | | |
| 5166 | Kaiser, W. O. | Nov. 10, 1888 | By examination. | Des Moines | Burlington | Mar. 22, 1897 | |
| 5179 | Kunst, Julius | Dec. 1, 1886 | By examination. | Ogden | | | |
| 5180 | Koch, A. F. | Dec. 4, 1897 | By examination. | Middle Amana | | | |
| 5237 | Koehnman, W. E. | April 6, 1897 | By examination. | Whitton | | | |
| 5390 | King, R. C. | July 6, 1897 | By examination. | Emetsburg | | | |
| 5319 | Kaaton, W. O. | Aug. 3, 1897 | By examination. | Fort Madison | | | |
| 5471 | Kelley, M. J. | Dec. 7, 1897 | By examination. | Parkersburg | | | |
| 5374 | Kennedy, J. D. | Jan. 4, 1898 | By examination. | Lake City | Auburn | Mar. 15, 1899 | |
| 5413 | Kinsey, Carl | Mar. 1, 1898 | By examination. | Paton | Carnavon | June 21, 1899 | |
| 5427 | Klilmer, A. J. | Mar. 1, 1898 | By examination. | Mason City | | | |
| 5431 | Kendall, K. W. | Mar. 1, 1898 | By examination. | Fort Atkinson | | | |
| 5450 | Kesbale, James B. | April 5, 1898 | By examination. | Pella | | | |
| 5501 | Kriebs, F. D. | June 7, 1899 | By examination. | Elkport | West Union | Aug. 17, 1899 | |
| 5502 | Kruger, J. J. | June 7, 1898 | By examination. | Spring Brook | | | |
| 5524 | Kastner, Ferdinand | July 27, 1898 | Graduate. | Wall Lake | | | |
| 5541 | Kay, E. O. | Aug. 3, 1898 | Graduate. | Des Moines | | | |
| 5552 | Kahrs, E. S. D. | Aug. 2, 1898 | By examination. | Radcliffe | McCallsburg | Jan. 19, 1899 | |
| 5592 | Kalest, L. E. | Sept. 7, 1898 | Graduate. | Carroll | Boile | Mar. 8, 1899 | |
| 5605 | Keoran, James B. | Sept. 7, 1898 | By examination. | Blanchard | | | |
| 5635 | Knudson, A. C. | Jan. 3, 1899 | By examination. | Oskaloosa | | | |
| 5671 | Kerr, F. E. | April 4, 1899 | By examination. | Letts | | | |
| 5711 | Kurmeier, J. P. | June 6, 1899 | Graduate. | Davenport | | | |
| 5715 | Kege, Karl | June 6, 1899 | By examination. | Waicoit | | | |
| 5716 | Krabiel, W. O. | June 6, 1899 | Graduate. | Winterset | | | |
| 5738 | Kilgore, W. B. | July 6, 1899 | By examination. | Des Moines | | | |
| 5757 | Kenower, F. O. | Aug. 1, 1899 | Graduate. | Des Moines | | | |
| 5792 | Klingaman, O. B. | Aug. 1, 1899 | By examination. | Bayard | | | |
| 7 | Lont, C. B. | June 7, 1890 | As owner. | Delaware | | | |
| 160 | Loug, G. P. | June 16, 1890 | As assistant. | Perry | | | |
| 226 | La-Nicca, M. J. G. | June 5, 1890 | As owner. | Dubuque | | | |
| 536 | Livermore, U. A. | June 24, 1890 | As owner. | Cascade | | | |
| 729 | Livingston, Hugh | June 3, 1890 | As owner. | Hopkinton | | | |
| 732 | Lichty, Norman | June 23, 1890 | As owner. | Des Moines | | | |
| 832 | Lyon, Smith | June 4, 1 80 | As owner. | Mount Pleasant | | | |
| 847 | Lauds, S. L. | June 17, 1890 | As owner. | Murray | Oceola | 1896 | |
| 1027 | Lezotte, Charles H. | June 18, 1890 | As principal. | Osage | | | |
| 1051 | Litchfield, A. N. | June 4, 1890 | As owner. | Pleasantville | | | |
| 1158 | Lander, Charles J. | June 6, 1890 | As owner. | Marshalltown | | | |
| 1210 | Lawrence, William R. | June 26, 1890 | As owner. | Sibley | | | |
| 1310 | Lindley, B. B. | June 28, 1890 | As owner. | Winfield | | | |
| 1383 | Loucks, R. H. | July 12, 1890 | As owner. | Danbury | | | |
| 1473 | Lewis, Edward H. | July 20, 1890 | As assistant. | Sioux City | | | |
| 1701 | Langheim, J. M. | Aug. 7, 1890 | By examination. | Davenport | Charlotte | Mar. 22, 1882 | |
| 1706 | Luddy, W. L. | Aug. 9, 1890 | By examination. | Coln | Clarinda | Mar. 22, 1882 | |
| 1713 | Loper, John O. | Aug. 20, 1890 | As owner. | Des Moines | | | |
| 1954 | Lowry, J. J. | Jan. 3, 1881 | As owner. | Cresco | | | |
| 2005 | Lauterman, L. C. | Dec. 29, 1880 | By examination. | Oedar Rapids | | | |
| 2010 | Loper, James H. | Feb. 7, 1881 | By examination. | Des Moines | | | |
| 2074 | Lane, Lewis L. | April 11, 1881 | By examination. | Muscataine | | | |
| 2180 | Lanc, H. B. | May 25, 1881 | By examination. | Leon | | | Out of business. |
| 2181 | Lax, Frederick | July 8, 1881 | By examination. | O. lo | | | |
| 2118 | Lass, D. G. | Sept. 22, 1881 | By examination. | Webster City | Pierson | Feb. 27, 1899 | In Portage, Wis. |
| 2225 | Leibig, Rosa K. | Sept. 1, 1881 | By examination. | Marshalltown | | | |
| 2216 | Lynch, L. J. | Dec. 10, 1881 | By examination. | Villisca | | | |
| 2391 | Little, M. A. | April 4, 1882 | By examination. | Cassy | Webster City | April 4, 1898 | |
| 2460 | La Grange, Theo | May 25, 1882 | By examination. | Marion | Rehbeck | April 7, 1883 | In Egan, S. Dak. |
| 2475 | Loser, A. B. | June 9, 1882 | By examination. | Lake City | | | |
| 2630 | Lancy, W. J. | Sept. 6, 1882 | By examination. | Decorah | | | |
| 2632 | Loose, D. N. | Sept. 14, 1882 | By examination. | Mtquoketa | Davis City | Mar. 13, 1887 | |
| 2555 | Leech, Louis J. | Dec. 19, 1882 | By examination. | West Branch | | | Out of business. |
| 2565 | Lovejoy, Walter | April 29, 1883 | By examination. | Des Moines | | | In Wyoming. |
| 2641 | Lawrence, Edward | May 20, 1883 | By examination. | Oceola | | | |
| 2676 | Landon, O. M. | Aug. 8, 1883 | By examination. | Lawler | | | |
| 2757 | Louis, Henry | May 28, 1884 | By examination. | Iowa City | | | |
| 2792 | Lowry, Geo. W. | June 6, 1884 | Graduate. | Gene Falls | Mason City | Oct. 16, 1895 | |
| 2776 | Lamberson, W. B. | June 30, 1884 | By examination. | Columbus Junction | Nora Springs | Mar. 29, 1894 | |
| 2821 | Lacy, George | Sept. 2, 1884 | By examination. | Luverne | | | |
| 2821 | Legel, John G. | Sept. 2, 1884 | By examination. | Charles City | | | |
| 2901 | Lande, Amos A. | April 8, 1885 | By examination. | Sheldahl | Slater | Sept. 7, 1887 | |
| 2901 | Lawrence, Harry | July 7, 1885 | By examination. | Oceola | | | |
| 2906 | Lanocker, A. A. | July 23, 1885 | By examination. | Des Moines | Oakland | Jan. 18, 1886 | |
| 2925 | Longheckard, A. | Sept. 15, 1885 | By examination. | Independence | | | Out of business. |
| 2969 | Lawrence, Ezra O. | Mar. 4, 1886 | By examination. | Waterloo | Des Moines | Mar. 26, 1889 | |
| 3059 | Lee, J. Allison | Oct. 15, 1886 | By examination. | Leona Tree | Lisbon | July 25, 1888 | |
| 8130 | Loar, D. W. | Jan. 18, 1887 | By examination. | Monroe | | | In Nebraska. |
| 8133 | Leland, W. L. | Feb. 1, 1887 | By examination. | Hawarden | | | |

ABSTRACT—CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|---------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 3194 | Landis, Jesse E. | Feb. 12, 1897 | By examination | Murray | Osceola | Jan. 7, 1894 | |
| 3233 | Lakin, A. M. | May 2, 1887 | By examination | Yale | (For Yale only) | | |
| 3256 | Landon, Judd E. | June 7, 1887 | By examination | Lawler | | | |
| 3289 | La Grange, O. D. | Aug. 5, 1887 | By examination | Garrison | | | |
| 3293 | Longwell, Jesse | Aug. 16, 1897 | By examination | Weilman | | | Out of business. |
| 3306 | Lemmon, A. D. | Sept. 1, 1887 | By examination | Guthrie Center | | | |
| 3334 | Little, Charles | Jan. 17, 1888 | By examination | Lamont | | | |
| 3394 | Lindly, J. M. | Feb. 22, 1888 | By examination | Winfield | | | |
| 3454 | Liek, Charles W. | May 14, 1888 | By examination | Dubuque | | | |
| 3473 | Leech, Oliver | June 13, 1888 | By examination | Iowa City | | | In Missouri. |
| 3485 | Lewis, G. W. | Aug. 28, 1888 | By examination | Des Moines | | | |
| 3489 | Lander, Will R. | July 17, 1888 | By examination | Marshalltown | | | |
| 3501 | Laughlin, M. R. | Aug. 8, 1888 | By examination | Roane | Sioux City | Mar. 8, 1889 | |
| 3512 | Lawhead, W. E. | July 11, 1888 | By examination | Keokuk | Perry | Mar. 13, 1897 | |
| 3531 | Lawrence, E. S. | Sept. 11, 1888 | By examination | Redding | | | Out of business. |
| 3529 | Leith, George E. | Mar. 13, 1889 | By examination | Creston | Silver City | May 28, 1893 | |
| 3636 | Leach, James W. | April 8, 1889 | By examination | Creston | | | |
| 3638 | Lundvall, N. A. | May 21, 1889 | By examination | Dayton | Sioux Rapids | Oct. 14, 1890 | |
| 3699 | LaPondiera, John A. | Aug. 6, 1889 | By examination | Grand Junction | | | |
| 3716 | LaForce, D. A. | May 28, 1889 | By examination | Ottumwa | | | |
| 3739 | Love, Charles | Sept. 18, 1889 | By examination | Burlington | Greenfield | Oct. 26, 1898 | |
| 3751 | Larsen, Victor A. | Oct. 15, 1889 | By examination | New Market | | | |
| 3773 | Lillis, L. M. R. | Dec. 9, 1889 | By examination | Marion | | | In Chicago. |
| 3790 | Loomis, F. W. | Dec. 23, 1889 | By examination | West Branch | | | |
| 3788 | Lloyd, James H. | Jan. 2, 1890 | By examination | Cedar Rapids | | | Out of business. |
| 3803 | Listebarger, L. H. | Jan. 24, 1890 | By examination | Bialstown | | | |
| 3836 | Laubach, G. A. | Feb. 23, 1890 | By examination | Keokuk | | Oct. 30, 1890 | |
| 3854 | Landon, J. W. | Mar. 18, 1890 | By examination | Fort Dodge | | | |
| 3916 | Larsen, T. S. | July 9, 1890 | By examination | Denison | | Mar. 2, 1893 | |
| 3928 | Lloyd, Burton W. | Sept. 2, 1890 | By examination | Sioux City | | | |
| 3949 | LaGrange, T. G. | Nov. 13, 1890 | By examination | Garrison | Vinton | Nov. 25, 1890 | |
| 4046 | Leach, John A. | May 5, 1891 | By examination | Creston | Greenfield | June 9, 1896 | |
| 4099 | Lampe, T. J. | Mar. 18, 1891 | By examination | W. Lake | Westpoint | Oct. 8, 1896 | |
| 4097 | Lewis, Alfred W. | Aug. 11, 1891 | By examination | Inwood | | | |
| 4137 | Lewis, John A. | Oct. 10, 1891 | By examination | Manning | | | |
| 4291 | Landgraf, F. J. | Aug. 17, 1892 | Graduate | Waterloo | | | |

| | | | | | | | |
|------|--------------------------|----------------|----------------|----------------|-------------|----------------|----------------|
| 4296 | Ladage, Henry W. | Aug. 31, 1892 | By examination | Grundy Center | | | |
| 4313 | Luce, John | Oct. 4, 1892 | By examination | Villisca | | | |
| 4325 | Lounsberry, J. B. | Nov. 29, 1892 | By examination | Des Moines | | | |
| 4338 | Loughran, Thomas A. | Dec. 6, 1892 | By examination | Ames | | | |
| 4396 | Lowery, O. W. | Mar. 14, 1893 | By examination | Grand Junction | | | In New Mexico. |
| 4410 | Latimer, Glen M. | Mar. 7, 1893 | By examination | Independence | Donnellson | Aug. 11, 1897 | |
| 4415 | Larmon, A. A. | Mar. 8, 1893 | By examination | Manson | | | |
| 4434 | Latta, K. C. | April 5, 1893 | By examination | Paton | | | |
| 4471 | Larson, Charles O. | June 6, 1893 | By examination | Burlington | | | |
| 4472 | Lehrs, Otto G. | June 6, 1893 | By examination | Cherokee | Remsen | Feb. 6, 1894 | |
| 4494 | Lamer, William | Aug. 1, 1893 | By examination | Newton | Centerville | Dec. 26, 1895 | |
| 4579 | Lehman, Max | Feb. 6, 1894 | By examination | Remsen | Minden | Sept. 17, 1895 | |
| 4588 | Loring, John Mid. | Feb. 17, 1893 | By examination | Dallas Center | | | |
| 4592 | Little, Charles A. | Mar. 6, 1894 | By examination | Lamont | Sexton | Sept. 8, 1898 | |
| 4601 | Larson, C. W. | Mar. 6, 1894 | By examination | Stanton | Ottumwa | Mar. 14, 1896 | |
| 4619 | Luers, John H. | April 3, 1894 | By examination | Sheldon | Cresco | Sept. 30, 1898 | |
| 4680 | Larsen, Edward | April 3, 1894 | By examination | Alta | | | |
| 4626 | Larson, C. O. | April 3, 1894 | By examination | Anamosa | Waterloo | April 12, 1899 | |
| 4677 | Love, John G. | June 5, 1894 | By examination | Lime Springs | | | |
| 4743 | Logan, G. W. | Sept. 28, 1894 | By examination | Fonda | Cromwell | Mar. 3, 1898 | |
| 4748 | Lambert, G. H. | Oct. 2, 1894 | By examination | Hampton | | | |
| 4779 | Loucks, J. O. | Oct. 2, 1894 | By examination | Danbury | Ida Grove | | |
| 4781 | Landis, Samuel E. | Nov. 12, 1894 | By examination | Murray | Osceola | | |
| 4782 | Leik, William C. | Dec. 4, 1894 | By examination | Dubuque | | | |
| 4823 | Lehan, J. W. | Mar. 8, 1894 | By examination | Daniap | Alexander | Mar. 2, 1898 | |
| 4853 | Lauder, James A. | Mar. 28, 1894 | By examination | Cresco | | | |
| 4869 | Lowery, Fred B. | April 2, 1894 | By examination | Iowa City | | | |
| 4879 | Looseley, Winfred Ruth | May 7, 1895 | By examination | Sioux City | | | |
| 4885 | Lundgren, Charles W. | July 2, 1895 | By examination | Eagle Grove | Whittemore | Feb. 14, 1899 | |
| 4898 | Lien, Albert E. | July 2, 1895 | By examination | Dubuque | | | |
| 4932 | Lenz, J. A. | Dec. 3, 1895 | By examination | Grundy Center | | | |
| 4983 | Ladage, W. C. | Jan. 7, 1896 | By examination | Orange City | | | |
| 4998 | Lesplnasse, A. F. H. de. | Feb. 4, 1896 | By examination | Ledyard | | | |
| 5015 | Lowder, William | Mar. 3, 1896 | By examination | Breda | | | |
| 5030 | LeDuc, A. H. | Mar. 3, 1896 | By examination | Lisbon | | | |
| 5037 | Lee, T. M. | April 9, 1896 | By examination | Boone | | | |
| 5084 | Legro, S. W. | May 8, 1896 | By examination | Clinton | | | |
| 5132 | Ludolph, H. W. | Sept. 1, 1896 | By examination | Pleasantville | | | |
| 5167 | Lyon, Charles | Nov. 10, 1896 | By examination | Gowrie | | | |
| 5221 | Lagerquist, V. N. | April 6, 1897 | By examination | Davenport | | | |
| 5258 | LaFrenz, H. T. | April 6, 1897 | By examination | Oakacosa | | | |
| 5367 | Lewis, J. W. | May 4, 1897 | By examination | Perry | Monroe | Jan. 23, 1899 | |
| 5382 | Lane, F. L. | June 1, 1897 | By examination | Council Bluffs | Burlington | Oct. 10, 1899 | |
| 5386 | Litrodit, E. P. | Aug. 1, 1897 | Graduate | Osceola | | | |
| 5391 | Larje, J. B. | July 6, 1897 | By examination | De Witt | | | |
| 5399 | Lersch, Fred, Jr. | July 6, 1897 | By examination | Sioux City | | | |
| 5316 | Lenz, W. L. | Aug. 16, 1895 | By examination | Bellevue | | | |
| 5383 | Lyman, D. J. | Feb. 1, 1898 | By examination | Iowa Falls | | | |
| 5414 | Liffring, E. A. | Mar. 1, 1898 | By examination | Algona | | Nov. 24, 1898 | |
| 5435 | Loar, G. W. | April 5, 1898 | By examination | Monroe | | | |

ABSTRACT.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|----------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 5481 | Lomas, E. T. | April 5, 1898 | By examination. | Cresco. | | | |
| 5509 | Leytze, F. C. | April 5, 1898 | By examination. | Independence. | | | |
| 5545 | Langness, Olaf. | Aug. 3, 1898 | Graduate. | Des Moines. | | | |
| 5556 | Large, A. F. | Aug. 2, 1898 | By examination. | Bradyville. | | | |
| 5568 | Lott, H. V. | Sept. 7, 1898 | Graduate. | Cedar Rapids. | | | |
| 5610 | Le Gore, J. F. | Dec. 6, 1898 | By examination. | Churdan | Lohrville..... | Mar. 8, 1899 | |
| 5611 | Letson, G. A. | Dec. 6, 1898 | By examination. | Council Bluffs. | | | |
| 5629 | Linn, O. A. | Feb. 7, 1899 | Graduate. | Burlington | Riverside..... | April 1, 1899 | |
| 5675 | Le Fevre, L. K. | April 29, 1899 | Graduate. | Keokuk. | | | |
| 5680 | Lang, William | April 29, 1899 | Graduate. | Muscatine. | | | |
| 5709 | Lemmon, J. E. | June 6, 1899 | Graduate. | Washington. | | | |
| 5714 | Lindblade, H. E. | June 6, 1899 | Graduate. | Clinton. | | | |
| 5719 | Lamm, J. J. | July 6, 1899 | Graduate. | Decorah. | | | |
| 5728 | Lomen, Gustave. | July 6, 1899 | Graduate. | Decorah. | | | |
| 5729 | Liggett, B. W. | July 6, 1899 | By examination. | Conway. | | | |
| 5753 | Long, C. S. | Aug. 1, 1899 | Graduate. | Lenox. | | | |
| 147 | Moore, John B. | June 14, 1880 | As owner. | Emerson. | | | |
| 169 | Mullan, M. F. | June 4, 1880 | As owner. | Pomeroy. | | | |
| 278 | Morrison, J. C. | June 10, 1880 | As owner. | Albia. | | | |
| 279 | Morrison, Ella A. | June 10, 1880 | As assistant. | Albia. | | | |
| 282 | Major, E. E. | June 3, 1880 | As owner. | Anita. | | | |
| 283 | Montgomery, G. S. | June 7, 1880 | As owner. | Atlantic. | | | Out of business. |
| 285 | Mitchell, John H. | July 17, 1880 | As owner. | Bloomfield. | | | Out of business. |
| 287 | Mitchell, William S. | June 17, 1880 | As owner. | Bloomfield. | | | Out of business. |
| 363 | Major, Oscar | June 9, 1880 | As owner. | Clinton. | | | |
| 367 | Maulsby, Ellis P. | June 7, 1880 | As assistant. | Casey. | | | |
| 483 | Maurid, R. | June 23, 1880 | As owner. | Dysart. | | | Beatrice, Neb. |
| 535 | Meisner, Amillus. | June 28, 1880 | As owner. | Davenport. | | | |
| 578 | Morden, W. O. | June 7, 1880 | As owner. | Fulton. | | | Out of business. |
| 638 | Mann, James. | June 7, 1880 | As owner. | Hamburg. | | | |
| 716 | Montgomery, W. H. | June 28, 1880 | As owner. | Decorah. | | | Out of business. |
| 753 | Markley, G. H. | June 9, 1888 | As owner. | Lansing. | | | |
| 901 | Munger, J. P. | June 4, 1880 | As owner. | Malvern. | | | |
| 915 | Mallory, Dwight. | July 2, 1880 | As owner. | Boonsboro. | | | |
| 916 | Mallory, Adela. | July 2, 1880 | As assistant. | Boonsboro. | | | |
| 981 | Miles, A. H. | July 6, 1880 | As owner. | Des Moines. | | | |
| 1011 | Mills, C. J. | June 4, 1880 | As owner. | Ossian. | | | |

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|------|----------------------|----------------|-----------------|--------------------|------------------|----------------|------------------|
| 1036 | Morgan, J. W. | June 3, 1880 | As owner. | Oskaloosa. | | | |
| 1053 | Mealy, D. H. | June 4, 1880 | As owner. | Pleasant Plain. | | | |
| 1075 | Marietta, J. C. | June 5, 1880 | As owner. | Palmyra. | | | |
| 1122 | Miles, Henry F. | July 6, 1880 | As owner. | Charles City. | | | |
| 1124 | Miles, Wilber F. | July 6, 1880 | As owner. | Charles City. | | | |
| 1192 | Mather, William | June 11, 1880 | As owner. | Springdale. | | | |
| 1193 | Mather, Charles G. | June 12, 1880 | As owner. | Springdale. | | | |
| 1214 | Moore, William G. | June 28, 1880 | As owner. | Silver City. | | | |
| 1206 | Moon, Milton J. | July 23, 1880 | As owner. | Iowa City. | | | |
| 1672 | McEwen, C. A. | July 30, 1880 | By examination. | Independence. | | | |
| 1804 | Morey, James P. | Aug. 2, 1880 | By examination. | Storm Lake. | Des Moines. | | |
| 1841 | Marolf, J. F. | Nov. 16, 1880 | As assistant. | Wilton. | | | |
| 1917 | Moncrief, Charles S. | Oct. 15, 1880 | By examination. | Atlantic. | | | |
| 1977 | Moore, G. R. | Dec. 6, 1880 | By examination. | Garfield. | Oxford Junction. | | |
| 1988 | Meacham, J. E. | Dec. 13, 1880 | By examination. | Larinda. | | | Left the state. |
| 2059 | Molesworth, J. | April 26, 1881 | By examination. | Norwood. | | | In Kansas. |
| 2060 | Masters, S. H. | April 27, 1881 | By examination. | Marne. | Terrill | Nov. 12, 1895 | |
| 2080 | Merritt, W. H. | April 20, 1881 | By examination. | Hartford. | Pleasantville | Mar. 10, 1897 | Out of business. |
| 2123 | Martin, M. T. | May 17, 1881 | By examination. | Woodburn. | | | |
| 2148 | Mitchell, A. I. | April 28, 1881 | By examination. | Macedonia. | | | |
| 2149 | Maxwell, J. P. | April 31, 1881 | By examination. | Westerville. | Clearfield | Mar. 22, 1899 | |
| 2269 | Mitchell, Eros. | Nov. 11, 1881 | By examination. | Weldon. | | | |
| 2284 | Marshall, A. J. | Dec. 3, 1881 | By examination. | Shelby. | Blairsburg | Sept. 17, 1891 | |
| 2517 | Mitchell, And. F. | Aug. 31, 1883 | By examination. | Keota. | Delta | Jan. 2, 1898 | |
| 2560 | Montross, George D. | Jan. 17, 1883 | By examination. | Sloan. | | | |
| 2571 | Macfarlane, Thomas. | Jan. 27, 1883 | By examination. | Mondamin. | | | |
| 2583 | Monnett, H. V. | Mar. 2, 1883 | By examination. | Orient. | | | Out of business. |
| 2611 | Mayer, Peter. | April 3, 1883 | By examination. | Marshalltown. | | | |
| 2680 | Marotz, F. W. | Aug. 25, 1883 | By examination. | Sergeant's Bluffs. | | | |
| 2714 | Moffet, Thomas M. | Jan. 21, 1884 | By examination. | Grundy Center. | | | |
| 2717 | Mateer, John D. | Feb. 5, 1884 | By examination. | Cedar Rapids. | | | |
| 2751 | Mornin, George S. | May 20, 1884 | By examination. | Cedar Falls. | | | |
| 2779 | Myers, S. C. | July 15, 1884 | By examination. | Schaller. | Rossville | Aug. 25, 1885 | |
| 2803 | Maynard, J. D. | Sept. 2, 1884 | By examination. | Janesville. | | | Out of business. |
| 2808 | Mann, A. W. | Oct. 7, 1884 | By examination. | Orange City. | Onawa | Mar. 31, 1886 | |
| 2842 | Mack, George J. | Mar. 3, 1885 | By examination. | Waterloo. | | | Out of business. |
| 2874 | Morgan, Dell G. | May 11, 1885 | By examination. | Council Bluffs. | | | |
| 2885 | Morgan, Benjamin A. | May 28, 1885 | By examination. | Marshalltown. | | | |
| 2892 | Miller, T. L. | June 11, 1885 | By examination. | South English. | Murray | Jan. 3, 1887 | |
| 2913 | More, Charles W. | Aug. 11, 1885 | By examination. | Janesville. | | | In Minnesota. |
| 2920 | Macy, Sherman R. | Sept. 7, 1885 | By examination. | Bloomfield. | Des Moines | Jan. 26, 1891 | Out of business. |
| 2927 | Myers, W. E. | Oct. 6, 1885 | By examination. | New Hampton. | Leon | Mar. 20, 1899 | |
| 2961 | Miller, Severin. | Jan. 19, 1886 | By examination. | Davenport. | | | |
| 2982 | Muinix, J. A. | Feb. 16, 1886 | By examination. | Dows. | | | |
| 2993 | Moore, Silas H. | May 8, 1886 | Graduate. | Sioux City. | | | |
| 2994 | More, Arthur J. | May 17, 1886 | Graduate. | Sioux City. | | | |
| 3001 | Medberg, J. N. | May 4, 1886 | By examination. | Webster City. | | | |
| 3070 | Morse, Charles H. | Sept. 7, 1886 | By examination. | Eagle Grove. | | | |
| 3084 | Merrill, John T. | Oct. 5, 1886 | By examination. | Mt. Ayr. | | | |
| 3094 | May, George E. | Nov. 3, 1886 | By examination. | Charles City. | | | |

ABSTRACT—CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|--------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 3101 | Miller, C. E. | Nov. 22, 1886 | By examination. | Cedar Rapids. | Grinnell. | Feb. 11, 1893 | Out of business. |
| 3109 | Morton, C. B. | Dec. 17, 1886 | By examination. | Perry. | | | |
| 3185 | Maxwell, W. J. | Mar. 10, 1887 | By examination. | Avoca. | | | |
| 3207 | Machesney, W. T. | April 5, 1887 | By examination. | Egley. | | | |
| 3222 | Mason, G. W. | April 19, 1887 | By examination. | Goldfield. | Minburn. | Aug. 17, 1898 | |
| 3290 | Morgan, Fred E. | Aug. 13, 1887 | By examination. | Cromwell. | Logan. | Aug. 12, 1892 | |
| 3365 | Mullarky, W. G. | Jan. 15, 1888 | By examination. | Holland. | | | |
| 3373 | Moore, Alfred E. | Feb. 7, 1888 | By examination. | Wayland. | | | |
| 3368 | Morris, Daniel J. | Feb. 1, 1888 | By examination. | Angus. | | | |
| 3382 | Mower, J. R. | Feb. 8, 1888 | By examination. | Washita. | Sioux City. | Aug. 27, 1897 | |
| 3383 | Matthews, G. W. | Feb. 13, 1888 | By examination. | Lenox. | | | |
| 3422 | Mitchell, A. S. | Mar. 20, 1888 | By examination. | Marion. | | | |
| 3443 | Marsh, F. A. | April 17, 1888 | By examination. | Malvern. | | | In Nebraska. |
| 3448 | Moltenhoff, J. P. | Sept. 23, 1887 | By examination. | Stanton. | | | |
| 3420 | Mollison, W. T. | May 9, 1888 | Graduate. | Ottumwa. | | | |
| 3487 | Mulhern, J. W. | June 5, 1888 | By examination. | Greenfield. | Adair. | April 1, 1899 | |
| 3510 | Meyers, Ed. G. | Aug. 21, 1888 | By examination. | Reinbeck. | | | |
| 3513 | Maury, James | Aug. 24, 1888 | By examination. | Cedar Falls. | | | Out of business. |
| 3626 | Matthews, W. H. | Sept. 4, 1888 | By examination. | Delta. | Valeria. | Nov. 15, 1898 | |
| 3339 | Medowell, A. | Oct. 4, 1888 | By examination. | Galva. | Crystal Lake. | Nov. 9, 1888 | |
| 3664 | Marsh, W. L. | Dec. 4, 1888 | By examination. | Albion. | Clemons. | Oct. 10, 1898 | |
| 3371 | Morgan, James W. | Jan. 1, 1888 | By examination. | Columbus City. | | | |
| 3575 | Myers, J. G. | Jan. 2, 1888 | By examination. | Audubon. | | | |
| 3612 | Myers, P. B. | Mar. 6, 1889 | By examination. | Iowa City. | | | In Nebraska. |
| 3919 | Mershon, G. A. | Mar. 13, 1889 | By examination. | Bayard. | Liscomb. | April 6, 1897 | |
| 3720 | Moody, Clarke B. | Sept. 3, 1889 | By examination. | Plainfield. | Iona. | May 28, 1891 | |
| 3742 | Maback, George | Oct. 1, 1889 | By examination. | Des Moines. | | | |
| 3746 | Moore, G. A. | Oct. 1, 1889 | By examination. | Atalissa. | West Liberty. | May 2, 1894 | |
| 3801 | Moetzel, E. A. | Jan. 21, 1890 | By examination. | Des Moines. | Davenport. | Mar. 11, 1891 | |
| 3800 | Miler, D. S. | Jan. 29, 1890 | By examination. | Stanwood. | Ames. | Feb. 9, 1899 | |
| 3941 | Mulnix, A. B. | Mar. 4, 1890 | By examination. | Dows. | | | |
| 3844 | Mills, J. S. | Mar. 6, 1890 | By examination. | Harlan. | | | |
| 3860 | McMurt, Fred G. | May 7, 1890 | By examination. | Remsen. | | | |
| 3901 | McConnell, P. G. | June 24, 1890 | By examination. | Cresco. | Grinnell. | May 11, 1891 | |
| 3920 | Meisner, Ernest | Aug. 5, 1890 | By examination. | Reinbeck. | | | |
| 3922 | Minthorn, M. F. | Sept. 2, 1890 | By examination. | Moorhead. | | | |
| 3947 | Miller, Charles I. | Oct. 7, 1890 | By examination. | Galva. | | | |

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|------|-----------------------|----------------|-----------------|------------------|-----------------|---------------|------------------|
| 3949 | Miller, Frank T. | Oct. 10, 1890 | By examination. | Iowa City. | Fort Atkinson. | Mar. 28, 1899 | Out of business. |
| 3954 | Mulder, D. | Dec. 2, 1890 | By examination. | Sioux Center. | Menlo. | Jan. 11, 1894 | |
| 3959 | Mendenhall, J. R. | Dec. 10, 1890 | By examination. | Waterloo. | | | |
| 4010 | Miller, Ralph H. | Mar. 7, 1891 | By examination. | Ute. | Struble. | Feb. 25, 1898 | |
| 4068 | Nitchell, Mrs. E. H. | June 2, 1891 | By examination. | Akron. | | | |
| 4144 | Moad, C. L. | Nov. 25, 1892 | By examination. | Blanchard. | Council Bluffs. | June 6, 1896 | |
| 4164 | Mead, N. | Jan. 28, 1892 | By examination. | Clinton. | | | Out of business. |
| 4177 | Mudge, L. B. | Feb. 16, 1892 | By examination. | Iowa City. | | | |
| 4180 | Moffet, Benjamin F. | Feb. 16, 1892 | By examination. | Atlantic. | | | |
| 4198 | Michael, H. G. | Mar. 3, 1892 | By examination. | Des Moines. | | | |
| 4212 | Mullins, U. S. | April 13, 1892 | By examination. | Algona. | Spencer. | Oct. 19, 1895 | |
| 4245 | Morgan, Miles M. | June 7, 1892 | By examination. | Pomeroy. | | | |
| 4255 | Mathews, F. A. | June 29, 1892 | By examination. | Fulaski. | | | |
| 4277 | Mathews, Charles W. | July 23, 1892 | By examination. | Riverton. | | | |
| 4340 | Mewhor, J. C. | Dec. 8, 1892 | By examination. | Onslow. | Ridgeway. | July 6, 1897 | In South Dakota. |
| 4373 | Mackrill, W. A. | Mar. 14, 1893 | By examination. | Des Moines. | | | |
| 4403 | Moline, Oscar G. | Feb. 11, 1893 | By examination. | Paulina. | | | |
| 4438 | Mewhrter, H. | April 11, 1893 | By examination. | Miles. | Churdan. | May 15, 1897 | In Minnesota. |
| 4452 | Marner, W. R. | Aug. 1, 1893 | By examination. | Dallas Center. | | | |
| 4497 | Miller, George W. | Aug. 7, 1893 | By examination. | Sioux City. | | | |
| 4500 | Moreheart, William J. | Sept. 5, 1893 | By examination. | Charles City. | Fairfield. | Oct. 7, 1898 | |
| 4511 | May, B. Wood. | Sept. 15, 1893 | By examination. | Birmingham. | | | Out of business. |
| 4515 | Moore, Charles W. | Oct. 3, 1893 | By examination. | Iowa City. | | | |
| 4523 | Morrison, W. W. | Oct. 21, 1893 | By examination. | Seymour. | | | |
| 4525 | Morrison, Theo. L. | Nov. 1, 1893 | By examination. | Laurel. | | | |
| 4532 | Maytag, T. H. | Mar. 6, 1894 | By examination. | Albia. | Hampton. | Jan. 8, 1898 | |
| 4536 | Mayer, George D. | Mar. 6, 1894 | By examination. | Ackey. | | | |
| 4591 | Marschal, O. Jr. | Mar. 6, 1894 | By examination. | Oelwein. | | | |
| 4598 | Mettlin, A. J. | Mar. 6, 1894 | By examination. | Eddyville. | Charles City. | | |
| 4606 | Miller, James A. | Mar. 14, 1894 | Graduate. | Fairfield. | Allison. | Aug. 6, 1899 | |
| 4609 | Miles, C. W. | April 3, 1894 | By examination. | Cedar Falls. | Batavia. | May 20, 1897 | |
| 4517 | Merner, D. O. | April 3, 1894 | By examination. | Freton. | | | |
| 4625 | Marsh, Walter R. | May 1, 1894 | By examination. | Ft. Dodge. | | | |
| 4651 | Mosher, A. H. | July 3, 1894 | By examination. | Council Bluffs. | | | |
| 4674 | Maher, William F. | Sept. 4, 1894 | By examination. | Manson. | | | |
| 4687 | Morgan, F. H. | Sept. 4, 1894 | By examination. | Cedar Falls. | | | |
| 4713 | Mullarky, H. Jr. | Sept. 4, 1894 | By examination. | Alta. | | | |
| 4716 | Mazanti, Henry | Sept. 16, 1893 | By examination. | Council Bluffs. | | | |
| 4740 | Ma J. R. Charles | Nov. 21, 1894 | By examination. | Charles City. | St. Ansgar. | April 7, 1893 | |
| 4773 | Massenberg, Lou | Feb. 5, 1895 | By examination. | Clearfield. | Lenox. | Nov. 2, 1893 | |
| 4815 | Miles, Charles L. | Mar. 5, 1895 | By examination. | Des Moines. | | | |
| 4836 | Malden, Walter J. | Mar. 19, 1895 | By examination. | Sawdale. | Crystal Lake. | Nov. 28, 1898 | |
| 4846 | Miles, C. C. | April 2, 1895 | By examination. | Jewell Junction. | | | |
| 4859 | Mulligan, William H. | April 2, 1895 | By examination. | Rudd. | | | |
| 4895 | Madsen, M. P. | July 2, 1895 | By examination. | Lake View. | Gray. | Dec. 17, 1896 | |
| 4902 | Murray, Mrs. Mamie K. | July 6, 1895 | By examination. | Linden. | | | |
| 4912 | Mertz, O. Eugene. | Oct. 1, 1895 | By examination. | Des Moines. | | | |
| 4935 | Mallory, J. A. | Oct. 31, 1895 | Graduate. | | | | |
| 4946 | Mitchell, H. W. | | | | | | |

ABSTRACT-CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|-------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|----------|
| 4979 | Macy, O E | Jan. 7, 1896 | By examination | Pleasanton. | | | |
| 5014 | McArthur, Wallace | Mar. 3, 1896 | By examination | Le Mars. | | | |
| 5041 | Munger, D. M. | April 7, 1896 | By examination | Waterloo. | | | |
| 5064 | Miller, George | April 21, 1896 | By examination | Conrad. | Parkersburg. | Aug. 9, 1899 | |
| 5070 | Mitchler, J. S. | May 5, 1896 | By examination | Cedar Rapids. | Iowa City. | July 11, 1897 | |
| 5071 | Moore, C. J. | May 5, 1896 | By examination | Manson. | Lohrville. | Mar. 15, 1897 | |
| 5081 | Minthorn, Edith | May 5, 1896 | By examination | Moorehead. | | | |
| 5089 | Marshall, O. E. | June 2, 1896 | By examination | Iowa Falls. | | | |
| 5092 | Mead, N. P. | June 2, 1896 | By examination | Akron. | | | |
| 5108 | Mosling, A. D. | July 7, 1896 | By examination | Forest City. | | | |
| 5114 | Merritt, F. H. | June 11, 1895 | By examination | Ossian. | | | |
| 5116 | Moore, E. J. | July 1, 1896 | By examination | Eldon. | | | |
| 5155 | Multarky, E. E. | Oct. 6, 1896 | By examination | Holland. | | | |
| 5168 | Myh'e, C. G. | Nov. 10, 1896 | By examination | Estherville. | | | |
| 5170 | Martin, Dessie | Dec. 1, 1896 | By examination | Jesup. | | | |
| 5174 | Martin, P. J. | Dec. 1, 1895 | By examination | Lake City. | Waterloo. | Mar. 8, 1899 | |
| 5176 | Manion, P. H. | Dec. 1, 1896 | By examination | Charlotte. | | | |
| 5196 | Milz, W. F. | Feb. 2, 1897 | By examination | Janesville. | | | |
| 5202 | Murray, W. P. | Feb. 2, 1897 | By examination | Melrose. | Cresco. | Mar. 31, 1898 | |
| 5204 | Magee, E. W. | Feb. 2, 1897 | By examination | Dunkerton. | | | |
| 5211 | Malloy, J. E. | Mar. 2, 1897 | By examination | New Hampton. | | | |
| 5234 | Man men, M. H. | April 6, 1897 | By examination | Le Mars. | | | |
| 5242 | Miller, C. J. | April 6, 1897 | By examination | Waterloo. | | | |
| 5243 | Miller, D. J. | April 6, 1897 | By examination | Algona. | Fort Dodge. | Feb. 27, 1899 | |
| 5268 | Murrey, W. E. | May 4, 1897 | By examination | Des Moines. | Burt. | May 15, 1899 | |
| 5268 | Melzian, H. F. | May 4, 1897 | By examination | Burlington. | | | |
| 5270 | Miller, J. J. | May 4, 1897 | By examination | Ackley. | | | |
| 5313 | Malone, Edmond | Aug. 3, 1897 | By examination | Sioux City. | | | |
| 5318 | Mollison, A. E. | Sept. 7, 1897 | By examination | Ottumwa. | Burlington. | Jan. 24, 1899 | |
| 5333 | Masters, O. L. E. | Oct. 5, 1897 | By examination | Maynard. | | | |
| 5334 | Mann, S. M. | Oct. 5, 1897 | By examination | Alexander. | Badger. | May 3, 1899 | |
| 5335 | Michael, F. L. | Oct. 5, 1897 | By examination | Ottumwa. | Mason City. | Feb. 13, 1899 | |
| 5347 | Marquis, F. A. | Nov. 9, 1897 | By examination | Belle Plaine. | Colfax. | April 23, 1898 | |
| 5415 | Meyer, H. C. | Mar. 1, 1898 | By examination | Sigourney. | Wayland. | April 13, 1898 | |
| 5421 | Morrow, C. E. | Mar. 1, 1898 | By examination | Blanchard. | | | |
| 5469 | Mathews, J. R. | April 5, 1898 | By examination | Iowa Falls. | Owasa. | Aug. 16, 1898 | |
| 5474 | Markham, A. J. | April 5, 1898 | By examination | Marion. | Van Horne. | Mar. 22, 1899 | |

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| 5475 | Mynard, W. H. | April 5, 1898 | By examination | Ottumwa. | | | |
| 5489 | Moment, E. F. | April 5, 1898 | By examination | Central City. | Walker. | Dec. 29, 1898 | |
| 5559 | Matthiesen, J. O. | Sept. 7, 1898 | Graduate | Clinton. | | | |
| 5570 | Miller, C. V. | Sept. 6, 1898 | By examination | West Liberty. | | | |
| 5595 | Mills, F. W. | Nov. 1, 1898 | By examination | Ottumwa. | | | |
| 5599 | Marean, W. A. | Dec. 6, 1898 | Graduate | Guthrie Center. | | | |
| 5614 | Morrison, C. J. | Jan. 3, 1899 | Graduate | Cedar Rapids. | | | |
| 5627 | Munn, J. W. | Jan. 3, 1899 | By examination | Des Moines. | Coggon. | June 2, 1899 | |
| 5631 | Mosler, D. C. | Feb. 7, 1899 | Graduate | Atlantic. | | | |
| 5637 | Miller, W. C. | Feb. 7, 1899 | Graduate | Macedonia. | Rockwell City. | Mar. 22, 1899 | |
| 5643 | Morrison, Ed D. | Mar. 7, 1899 | By examination | Des Moines. | Grand Junction. | April 21, 1899 | |
| 5657 | Meyer, A. A. | April 4, 1899 | Graduate | Algona. | Waterloo. | May 1, 1899 | |
| 5674 | Mitvalsky, E. C. | April 29, 1899 | Graduate | Cedar Rapids. | | | |
| 5631 | Meinzer, A. E. | May 2, 1899 | Graduate | Sioux City. | | | |
| 5701 | Moore, H. N. | May 2, 1899 | By examination | Algona. | | | |
| 5727 | Muesse, F. W. | July 6, 1899 | Graduate | Dubuque. | | | |
| 5736 | Mott, D. W. | July 6, 1899 | Graduate | Muscatine. | | | |
| 5742 | Manning, E. D. | July 6, 1899 | By examination | Des Moines. | | | |
| 5747 | Mackin, B. G. | July 18, 1899 | By examination | Independence. | | | |
| 5764 | Mulvehill, E. F. | Aug. 1, 1899 | Graduate | Masonville. | | | |
| 5772 | Moore, Edna L. | Aug. 1, 1899 | Graduate | Des Moines. | | | |
| 5775 | Morse, T. J. | Aug. 1, 1899 | Graduate | Des Moines. | | | |
| 5777 | Meehan, L. F. | Aug. 1, 1899 | Graduate | Waterloo. | | | |
| 5782 | Murray, M. J. | Aug. 1, 1899 | By examination | Charles City. | | | |
| 188 | McKenzie, H. M. | June 19, 1880 | As owner | Elwood. | | | |
| 189 | McKinzie, E. M. | June 19, 1880 | As assistant | Elwood. | | | |
| 300 | McAchrin, W. H. | June 5, 1880 | As assistant | Bloomfield. | | | |
| 365 | McCreary, W. M. J. | June 4, 1880 | As owner | Centerville. | | | |
| 604 | McCullough, M. J. | June 17, 1880 | As owner | Menlo. | Adel. | Sept. 27, 1898 | |
| 605 | McClusky, M. H. | June 19, 1880 | As owner | Glenwood. | | | |
| 695 | McGrath, T. J. | June 7, 1880 | As owner | Keokuk. | | | |
| 699 | McFarlane, D. | June 17, 1880 | As owner | Keota. | | | |
| 1140 | McDermid, Peter | June 30, 1880 | As owner | Fontanelle. | | | |
| 1409 | McBride, W. S. | July 13, 1880 | As owner | Marshalltown. | | | |
| 1672 | McEwen, O. A. | July 30, 1880 | By examination | Independence. | | | |
| 1878 | McDonald, J. W. | Oct. 21, 1880 | By examination | Morning Sun. | | | |
| 2138 | McLain, Geo. H. | June 18, 1881 | By examination | Vail. | Clinton. | April 13, 1898 | |
| 2143 | McElwain, R. H. | June 6, 1881 | By examination | Clarksville. | Hardy. | Dec. 31, 1895 | |
| 2162 | McGonigle, W. A. | July 11, 1881 | By examination | Monona. | | | |
| 2235 | McDermid, D. Jr. | Oct. 7, 1881 | By examination | Victor. | | | |
| 2318 | McCormick, J. T. | Dec. 24, 1881 | By examination | Gravely. | | | |
| 2395 | McClees, C. H. | April 11, 1882 | By examination | Marne. | | | |
| 2409 | McCorm, C. B. | April 8, 1882 | By examination | Hepburn. | Persia. | Nov. 20, 1886 | |
| 2476 | McClintock, J. M. | June 9, 1882 | By examination | Monroe. | Adair. | April 13, 1891 | |
| 2516 | McNab, Alex. | Aug. 22, 1882 | By examination | Rock Rapids. | | | |
| 2561 | McBride, H. E. | Feb. 6, 1883 | By examination | Ames. | Des Moines. | Jan. 2, 1898 | |
| 2578 | McBride, C. M. | Feb. 26, 1883 | By examination | Rock Valley. | | | |
| 2778 | McMillan, E. O. | July 15, 1884 | By examination | Coon Rapids. | | | |
| 2935 | McNamara, J. F. | Oct. 15, 1885 | By examination | Des Moines. | Ft. Dodge. | Nov. 2, 1886 | |
| 2953 | McCormick, F. M. | Jan. 4, 1886 | By examination | Baldwin. | | | |

ABSTRACT-CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|---------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|----------|
| 2959 | McFarland, A. W. | Jan. 6, 1886 | By examination. | Dakota City. | | | |
| 3073 | McKay, Frank P. | Sept. 13, 1886 | By examination. | Des Moines. | | | |
| 3127 | McKay, B. A. | Mar. 1, 1887 | By examination. | Missouri Valley. | | | |
| 3170 | McKinnis, C. | Mar. 8, 1887 | By examination. | Ulite. | | | |
| 3259 | McWilliams, J. J. | May 17, 1887 | By examination. | Charter Oak. | | | |
| 3404 | McBride, K. W. | Feb. 28, 1888 | By examination. | Marshalltown. | | | |
| 3627 | McKibbin, C. A. | Mar. 5, 1889 | Graduate. | Bloomfield. | Milton | Nov. 1, 1895 | |
| 3634 | McCormick, R. R. | April 2, 1889 | By examination. | Clinton. | | | |
| 3661 | McCallan, R. J. | May 21, 1889 | By examination. | Audubon. | | | |
| 3738 | McCulloch, George | Sept. 17, 1889 | By examination. | Humeston. | | | |
| 3883 | McColm, J. L. | April 21, 1890 | By examination. | Persia. | Gravity | June 23, 1898 | |
| 3901 | McConnell, P. G. | June 24, 1890 | By examination. | Creco. | Grinnell | May 11, 1891 | |
| 4047 | McDonald, J. E. | May 5, 1891 | By examination. | Independence | Algona | May 13, 1899 | |
| 4105 | McKelvey, W. O. | Sept. 2, 1891 | Graduate | Greene field | Churдан | Nov. 25, 1895 | |
| 4132 | McMillan, R. A. | Nov. 3, 1891 | By examination. | Iowa City. | | | |
| 4145 | McMackin, W. W. | Nov. 23, 1891 | By examination. | Lake City. | | | |
| 4169 | McGaheran, J. O. | Feb. 1, 1892 | By examination. | La Porte | | | |
| 4242 | McGarvey, S. A. | June 7, 1892 | By examination. | Belle Plaine | West Side | Oct. 10, 1893 | |
| 4269 | McArthur, F. H. | July 7, 1892 | By examination. | Des Moines. | | | |
| 4282 | McDaniel, A. B. | Aug. 2, 1892 | By examination. | Swan | Afton | Feb. 16, 1897 | |
| 4321 | McCorkle, G. E. | Oct. 4, 1892 | By examination. | Shellsburg. | | | |
| 4409 | McGuln, Geo. B. | Mar. 7, 1893 | By examination. | Grinnell. | | | |
| 4433 | McUrnin, T. P. | April 4, 1893 | By examination. | Des Moines. | | | |
| 4438 | McKown, J. W. | April 21, 1893 | By examination. | Cedar Rapids. | | | |
| 4443 | McMartin, C. S. | May 2, 1893 | By examination. | Rock Valley | West Union | Mar. 31, 1894 | |
| 4452 | McMeel, E. C. | May 9, 1893 | By examination. | Lost Nation | Delmar | Aug. 1, 1895 | |
| 4459 | McCoy, John R. | May 25, 1893 | By examination. | Seymour. | | | |
| 4463 | McKay, Chas. A. | May 30, 1893 | By examination. | Des Moines. | | | |
| 4531 | McMechan, James. | Oct. 3, 1893 | By examination. | Boone. | | | |
| 4548 | McComber, G. B. | Nov. 28, 1893 | By examination. | Cascade. | Maynard | April 25, 1894 | |
| 4611 | McBride, W. H. | Mar. 6, 1894 | By examination. | Muscatine. | | | |
| 4637 | McElroy, E. K. | April 17, 1894 | By examination. | Clare. | Ayrshire | Aug. 24, 1894 | |
| 4660 | McMeel, J. H. | June 5, 1894 | By examination. | Lost Nation. | | | |
| 4667 | McConaughy, Earl B. | May 5, 1893 | By examination. | Des Moines. | | | |
| 4762 | McDonald, J. E. | Oct. 23, 1894 | By examination. | Vinton | Anamosa | Aug. 3, 1897 | |
| 4841 | McDermid, Pierre | Mar. 12, 1895 | By examination. | Fontanelle. | | | |
| 4871 | McManus, F. W. | April 27, 1894 | By examination. | Gilmore City. | | | |

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|------|-----------------------|----------------|-----------------|------------------|---------------|----------------|------------------|
| 4872 | McCune, Charles H. | April 29, 1894 | By examination. | Oreston. | Ottumwa | Aug. 3, 1899 | |
| 4934 | McGrew, E. S. | Oct. 1, 1895 | By examination. | Ainsworth. | Spirit Lake | Nov. 27, 1897 | |
| 4941 | McClanahan, W. A. | Nov. 5, 1895 | By examination. | Redding. | | | |
| 5030 | McKay, J. H. | April 7, 1896 | By examination. | Buffalo Center. | | | |
| 5189 | McCray, W. E. | Jan. 14, 1897 | By examination. | Marble Rock. | | | |
| 5191 | McMahor, Thomas. | Jan. 14, 1897 | By examination. | Victor. | Clear Lake | May 3, 1898 | |
| 5197 | McClelland, S. F. | April 16, 1895 | By examination. | Des Moines. | | | |
| 5293 | McGrew, L. W. | July 6, 1897 | By examination. | Emerson. | | | |
| 5319 | McKeehan, John S. | Sept. 7, 1897 | By examination. | Ft. Madison. | | | |
| 5320 | McCreeary, H. B. | Sept. 7, 1897 | By examination. | Centerville. | Holmes | Feb. 26, 1898 | |
| 5381 | McAdams, A. E. | Jan. 4, 1898 | By examination. | Des Moines. | Independence | Oct. 17, 1898 | |
| 5392 | McMullen, F. A. | Feb. 1, 1898 | By examination. | New Hampton. | | | |
| 5457 | McColm, C. W. | April 5, 1898 | By examination. | New Market. | | | |
| 5458 | McClymonds, S. E. | April 5, 1898 | By examination. | College Springs. | | | |
| 5466 | McPheeters, B. B. | April 5, 1898 | By examination. | Jefferson. | | | |
| 5478 | McLaughlin, W. H. | April 5, 1898 | By examination. | Webster. | | | |
| 5505 | McNamara, F. H. | June 7, 1898 | By examination. | Ft. Dodge. | Humboldt | Aug. 25, 1898 | |
| 5520 | McEvoy, M. T. | July 27, 1898 | Graduate. | Adair. | | | |
| 5567 | McCready, A. R. | Sept. 7, 1898 | Graduate. | Hartley. | | | |
| 5592 | McMackin, F. G. | Nov. 1, 1898 | By examination. | Lake City. | Mitchell | Feb. 29, 1899 | |
| 5655 | McCombs, Amantus | April 4, 1899 | Graduate. | Des Moines. | | | |
| 5686 | McLaughlin, O. J. | May 17, 1899 | Graduate. | Monticello | Clear Lake | June 3, 1899 | |
| 5724 | McCoy, Charles B. | July 6, 1899 | Graduate. | Brooklyn. | | | |
| 5758 | McFadden, William | Aug. 1, 1899 | Graduate. | Des Moines. | | | |
| 5761 | McDonnell, William A. | Aug. 1, 1899 | Graduate. | Independence. | | | |
| 11 | Nerby, Levi B. | June 5, 1880 | As owner. | Lake Mills. | | | |
| 50 | Nesper, Fred T. | June 10, 1880 | As assistant. | Muscatine. | | | |
| 62 | Nunnally, L. B. | June 8, 1880 | As owner. | Hartford. | | | |
| 247 | Nichols, William M. | June 4, 1880 | As owner. | Atlantic. | | | |
| 272 | Nichols, J. | June 4, 1880 | As owner. | Atlantic. | | | |
| 295 | Nichols, Edward. | June 24, 1880 | As owner. | Belle Plaine. | | | |
| 373 | North, Henry | June 8, 1880 | As owner. | Casey. | | | |
| 722 | Norton, H. M. | June 5, 1880 | As owner. | Kent. | | | |
| 1112 | Niehaus, E. W. | July 9, 1880 | As assistant. | Burlington. | | | |
| 1472 | Nash, A. F. | July 0, 1880 | As assistant. | Sloux City. | | | |
| 1994 | Newman, M. M. | Dec. 28, 1880 | By examination. | Edgewood. | | | |
| 2164 | Nicalse, Gustav. | July 21, 1881 | By examination. | Burlington | | | In Illinois. |
| 2191 | Nauerth, J. H. | Aug. 18, 1881 | By examination. | Tama City | Traer | April 17, 1885 | |
| 2273 | Nicol, Ira I. | Nov. 12, 1881 | By examination. | Lacooa. | North English | April 29, 1887 | |
| 2368 | Niemann, Theo. | Mar. 6, 1882 | By examination. | Maquoketa. | Nowel | Nov. 20, 1886 | |
| 2462 | Newman, E. P. | May 29, 1882 | By examination. | Clarion | Dows | May 27, 1887 | |
| 2556 | Nitzsche, J. C. | Dec. 27, 1882 | By examination. | Dubuque. | Maquoketa | Oct. 14, 1886 | |
| 2734 | Nachtwey, Theo | April 17, 1884 | Graduate | Lansing. | | | |
| 2761 | Nugent, Ed. D. | June 3, 1884 | By examination. | Oskaloosa | | | Out of business. |
| 2917 | Newhouse, H. E. | Aug. 18, 1885 | By examination. | Sheffield | Geneva | Mar. 19, 1896 | |
| 3021 | Nugent, H. D. | May 18, 1886 | By examination. | Oskaloosa. | | | |
| 3188 | Norton, Charles F. | Feb. 24, 1887 | By examination. | Des Moines. | | | |
| 3209 | Nichols, W. E. | April 5, 1887 | By examination. | Sheffield. | Eagle Grove | May 4, 1896 | |
| 3314 | Null, Harry O. | Sept. 6, 1887 | By examination. | Winterset. | | | |
| 3616 | Newbold, K. L. | Mar. 6, 1889 | By examination. | Center Point. | | | Out of business. |

ABSTRACT—CONTINUED.

| Number of certificates. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|-------------------------|---------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 3721 | Nordstrum, S. G. | Sept. 3, 1889 | By examination. | Dayton | Sioux Rapids | Jan. 10, 1891 | |
| 3771 | Nix, John M. | Nov. 25, 1889 | By examination. | Dyersville | Ackley | Oct. 13, 1891 | |
| 3825 | Northrup, A. S. | Feb. 10, 1890 | By examination. | Iowa City | Burlington | | |
| 3858 | Naumann, E. L. J. | Feb. 27, 1890 | Graduate. | Burlington | Sioux Rapids | Dayton | May 7, 1893 |
| 3903 | Nordstrum, J. F. | July 1, 1890 | By examination. | Stanton | Essex | Nov. 16, 1891 | Out of business. |
| 3904 | Newquist, Frederick | July 5, 1890 | By examination. | Sioux Rapids | Dayton | May 7, 1893 | |
| 3935 | Namur, Charles | Sept. 12, 1890 | By examination. | Des Moines | Des Moines | | |
| 3950 | Nadier, Frank | Oct. 16, 1890 | Graduate. | Davenport | Waterloo | | |
| 3993 | Nauman, W. B. | Mar. 3, 1891 | By examination. | Woodward | Charles City | Feb. 9, 1894 | |
| 4003 | Naiden, H. R. | Mar. 3, 1891 | By examination. | Des Moines | Des Moines | | |
| 4084 | Nelson, C. H. | June 10, 1891 | By examination. | Des Moines | Spencer | | |
| 4089 | Ney, Robert J. | July 7, 1891 | By examination. | Des Moines | Des Moines | | |
| 4121 | Noel, John F. | Oct. 5, 1891 | By examination. | Des Moines | Independence | Oct. 24, 1893 | |
| 4344 | Nigg, Henry W. | Dec. 13, 1892 | By examination. | Merrill | Wellman | Jan. 26, 1898 | |
| 4413 | Nelson, John W. | Mar. 8, 1893 | By examination. | Des Moines | Des Moines | | |
| 4475 | Nix, Mike | June 7, 1893 | By examination. | Ackley | Hubbard | Feb. 27, 1899 | Concordia, Kan. |
| 4916 | Nichols, C. Ellis | Sept. 22, 1893 | By examination. | Sioux City | Sioux City | | |
| 4950 | Nelson, William | Nov. 28, 1893 | By examination. | Britt | Corwith | July 15, 1895 | |
| 5062 | Nelson, Charles N. | Mar. 10, 1894 | By examination. | Humboldt | Forest City | Mar. 24, 1899 | |
| 4986 | Nickson, J. D. | Sept. 4, 1891 | By examination. | Marshalltown | St Anthony | Oct. 4, 1895 | |
| 4724 | Newman, Charles T. | Nov. 14, 1891 | By examination. | Marshalltown | St Anthony | Oct. 4, 1895 | |
| 4775 | Nichols, C. F. | Nov. 14, 1891 | By examination. | Marshalltown | St Anthony | Oct. 4, 1895 | |
| 4916 | Noblett, Roy C. | Aug. 9, 1893 | By examination. | Cresco | Hawkeye | Dec. 20, 1891 | |
| 4959 | Norton, N. L. | Dec. 10, 1895 | By examination. | Marathon | Fonda | Mar. 23, 1899 | |
| 5062 | Nolan, G. B. | April 21, 1896 | By examination. | Marathon | Charles City | Mar. 11, 1899 | |
| 5086 | Nicolls, F. F. | May 6, 1898 | By examination. | Danbury | Charles City | Mar. 11, 1899 | |
| 5033 | Newman, Grace | June 2, 1896 | By examination. | Webster City | Kings of | Nov. 5, 1896 | |
| 5120 | Nordhaus, C. A. | April 21, 1896 | By examination. | Stanwood | Kings of | Nov. 5, 1896 | |
| 5158 | Nietert, Wm. G. | Oct. 23, 1893 | Graduate. | Alburnette | Alburnette | | |
| 5283 | Novak, Joe H. | Dec. 7, 1897 | By examination. | Iowa City | Iowa City | | |
| 5132 | Newcomb, Geo. D. | Mar. 31, 1898 | By examination. | Creston | Creston | | |
| 5181 | Nixon, Robt. B. | Mar. 31, 1898 | Graduate. | Blanchard | Mt. Union | Aug. 20, 1898 | |
| 5513 | Nestling, C. O. | July 27, 1898 | Graduate. | Des Moines | Des Moines | | |
| 5635 | Nordgren, E. E. | Feb. 7, 1899 | By examination. | Ottumwa | Ames | July 23, 1899 | |
| 5642 | Nordgren, E. J. | Feb. 7, 1899 | By examination. | Ottumwa | Des Moines | April 21, 1899 | |
| 5677 | Nichols, F. C. | April 29, 1899 | Graduate. | State Center | Des Moines | April 21, 1899 | |
| 5763 | Nollen, J. H. | Aug. 1, 1899 | Graduate. | Pella | Monroe | Aug. 9, 1899 | |

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|------|----------------------|----------------|-----------------|--------------|-----------------|----------------|------------------|
| 5158 | Nietert, W. G. | Oct. 23, 1893 | Graduate. | Alburnette | Alburnette | | |
| 374 | Olney, Arthur B. | June 10, 1890 | As owner. | Clinton | Clinton | | |
| 420 | Oeder, Frederick | June 12, 1890 | As assistant. | Des Moines | Des Moines | | |
| 381 | Orcutt, G. A. | June 18, 1890 | As assistant. | Maquoketa | Maquoketa | | |
| 951 | Olmstead, Earl N. | June 11, 1890 | As owner. | New Hampton | New Hampton | | |
| 971 | O'Connor, J. C. | July 5, 1890 | As owner. | Chelsea | Hartwick | —, 1895 | |
| 1118 | Orrison, J. S. | July 7, 1890 | As owner. | Chelsea | Hartwick | —, 1895 | |
| 1294 | Otis, Clarence M. | June 7, 1890 | As assistant. | Chelsea | Hartwick | —, 1895 | |
| 1463 | Osborne, Benjamin F. | July 15, 1890 | As assistant. | Chelsea | Hartwick | —, 1895 | |
| 1980 | Oleson, Olaf M. | Dec. 15, 1890 | By examination. | Bayard | Bayard | | |
| 3231 | Oldridge, W. V. | Oct. 3, 1881 | By examination. | Farley | Scranton | Jan. 31, 1890 | |
| 2295 | Owens, A. P. | Dec. 17, 1881 | By examination. | Alton | Missouri Valley | Jan. 24, 1897 | Out of business. |
| 2548 | Osborne, G. S. | Oct. 6, 1882 | By examination. | Riverton | Missouri Valley | Jan. 24, 1897 | |
| 2856 | Ochiltree, V. B. | April 7, 1883 | By examination. | Keokuk | Keokuk | | |
| 3027 | Owee, C. N. | June 15, 1888 | By examination. | Keokuk | Keokuk | | |
| 3107 | Olesen, Monrad J. | Dec. 17, 1888 | By examination. | Des Moines | Des Moines | | |
| 3475 | Olive, D. C. | June 18, 1888 | By examination. | Scranton | Scranton | | |
| 3486 | Odiorne, Ben G. | July 17, 1888 | By examination. | Des Moines | Des Moines | | |
| 3385 | Osg, John F. | Jan. 29, 1889 | By examination. | Line Springs | Line Springs | | |
| 3599 | Overfield, E. E. | Feb. 15, 1889 | By examination. | Elma | Elma | | |
| 3857 | Oct, John R. | Feb. 5, 1890 | By examination. | Washington | Mt. Pleasant | Mar. 22, 1894 | |
| 3906 | O'Reilly, William F. | July 12, 1890 | Graduate. | Keokuk | Keokuk | | |
| 3955 | Owen, Luther P. | Nov. 3, 1890 | By examination. | Marion | Marion | | |
| 4039 | Osborne, E. A. | Mar. 30, 1891 | By examination. | Cedar Rapids | Indianola | Feb. 1, 1895 | |
| 4222 | Ollinger, William | Feb. 3, 1892 | By examination. | Thayer | Thayer | | |
| 4342 | Ostrander, A. B. | Dec. 6, 1892 | By examination. | Grinnell | Grinnell | | |
| 4447 | Overton, W. T. | May 2, 1893 | By examination. | Hampden | Hampden | | |
| 4462 | Ormsby, F. E. | June 6, 1893 | By examination. | Hampton | Hampton | | |
| 4488 | Olney, V. L. | July 11, 1893 | By examination. | Shell Rock | Sheffield | Sept. 26, 1894 | |
| 4638 | Owess, Frank | July 20, 1892 | By examination. | Bloomfield | Bloomfield | | |
| 4646 | Owens, Nat. | Feb. 5, 1893 | By examination. | Bloomfield | Bloomfield | | |
| 4814 | Olve, Richard W. | Feb. 5, 1893 | By examination. | Scranton | Scranton | | |
| 4855 | Oehling, Charles C. | Mar. 23, 1894 | By examination. | Elkader | Danbury | | |
| 4878 | O'Day, J. W. | May 7, 1895 | By examination. | McGregor | McGregor | | |
| 4987 | O'Brien, Dan J. | July 16, 1895 | By examination. | Toledo | Applington | Jan. 8, 1897 | |
| 4913 | Ocker, Leroy M. | Aug. 6, 1895 | By examination. | Elliot | Elliot | Sept. 20, 1897 | |
| 4970 | Ordway, Cora | Jan. 7, 1896 | By examination. | Goldfield | Goldfield | May 28, 1896 | |
| 5009 | Oelke, W. B. | Mar. 3, 1896 | By examination. | Maxwell | Maxwell | | |
| 5054 | Ollinger, J. B. | April 17, 1896 | As graduate. | For Dodge | For Dodge | Mar. 9, 1899 | |
| 5060 | Oard, A. W. | April 17, 1896 | By examination. | For Dodge | Cedar Falls | Mar. 9, 1899 | |
| 5084 | Orr, A. L. | June 2, 1896 | By examination. | New Hartford | Eldon | Oct. 24, 1899 | |
| 5134 | Ordway, J. C. | Jan. 5, 1897 | By examination. | Burlington | Burlington | | |
| 5208 | Ortleb, George | May 7, 1897 | By examination. | Ferry | Ferry | | |
| 5396 | O'Malley, J. E. | Feb. 1, 1898 | By examination. | Woodbine | Oakland | Nov. 9, 1898 | |
| 5469 | O'Leary, Mike | Mar. 1, 1898 | By examination. | Danbury | Danbury | | |
| 5483 | O'Day, J. J. | Mar. 1, 1898 | By examination. | George | George | | |
| 5566 | O'Connor, T. E. | Sept. 7, 1898 | As graduate. | Mt. Pleasant | Mt. Pleasant | | |
| 5576 | Out, C. A. | Oct. 4, 1898 | As graduate. | Mt. Pleasant | Mt. Pleasant | | |

ABSTRACT—CONTINUED.

| Number of certificates. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|-------------------------|----------------------|-----------------------|---------------------|------------------------|--------------------------|----------------------|------------------|
| 5787 | O'Connor, T. G. | Aug. 1, 1899 | By examination..... | Maloy. | | | |
| 5789 | Osborn, J. S. | Aug. 1, 1899 | By examination..... | Des Moines. | | | |
| 3 | Playter, John B. | June 2, 1880 | As owner..... | Bristow. | | | |
| 23 | Perrin, Willard. | June 2, 1880 | As owner..... | Floyd. | | | |
| 123 | Peters, C. W. | June 15, 1880 | As owner..... | Ft. Madison. | | | |
| 481 | Parker, J. H. | June 22, 1880 | As owner..... | Des Moines. | | | |
| 627 | Pipher, John | June 2, 1880 | As owner..... | Griswold. | | | |
| 728 | Peregrine, C. S. | June 5, 1880 | As principal. | Brooks. | | | |
| 823 | Plumb, Edwin B. | June 26, 1880 | As owner..... | McGregor. | | | |
| 837 | Pyle, Samuel W. | June 1, 1880 | As assistant. | Mt. Pleasant. | | | |
| 838 | Peterson, S. J. | June 30, 1880 | As owner..... | McGregor. | | | |
| 844 | Putnam, R. A. | June 9, 1880 | As assistant. | Monticello. | | | |
| 932 | Parmerster, R. F. | June 5, 1880 | As owner..... | McGregor. | | | |
| 1161 | Powers, George P. | July 9, 1889 | As assistant. | Newton. | | | |
| 1225 | Popp, A. V. | June 10, 1880 | As owner..... | Marshalltown. | | | |
| 1230 | Parker, William L. | June 2, 1880 | As assistant. | Sidney. | | | |
| 1283 | Palmer, W. S. | June 2, 1880 | As principal. | Sibley. | | | |
| 1289 | Pickering, C. E. | June 4, 1880 | As owner..... | Winton. | | | |
| 1538 | Pride, J. W. | July 24, 1880 | As owner..... | West Liberty. | | | |
| 1888 | Porter, Edwin C. | Aug. 2, 1880 | As owner..... | Burlington. | | | Out of business. |
| 1714 | Peregrine, J. S. | Sept. 7, 1880 | As owner..... | Dubuque. | | | |
| 1847 | Powell, L. E. | Nov. 23, 1880 | As assistant. | Brooks. | | | |
| 1868 | Plitt, H. A. | July 28, 1880 | By examination..... | Charles City. | McIntyre. | July 12, 1892 | |
| 1909 | Peterson, C. Peter. | July 30, 1880 | By examination..... | Des Moines. | Stratford. | Aug. 13, 1889 | |
| 1964 | Felham, W. S. | Jan. 29, 1881 | As assistant. | Kirkville. | | | |
| 2156 | Pierce, G. R. | June 28, 1881 | By examination..... | Blairtown. | | | |
| 2247 | Pape, Herman G. | Oct. 12, 1881 | By examination..... | Davenport. | | | |
| 2258 | Payne, Annie E. | Dec. 18, 1881 | By examination..... | Richland. | | | In Salem, Iowa. |
| 2360 | Parker, E. W. | Feb. 6, 1882 | By examination..... | Peterson. | | | Out of business. |
| 2415 | Patterson, M. F. | April 28, 1882 | By examination..... | Pocahontas Center. | Sutherland. | May 28, 1890 | |
| 2421 | Plumb, Weston T. | May 23, 1882 | By examination..... | Van Cleve. | | | Out of business. |
| 2525 | Powers, C. A. | Sept. 1, 1882 | By examination..... | Moravia. | | | |
| 2550 | Prann, A. W. | Dec. 1, 1882 | By examination..... | Gresco. | Moulton. | Jan. 15, 1883 | |
| 2583 | Parker, J. T. | Mar. 2, 1883 | By examination..... | Manson. | Eagle Grove. | Nov. 14, 1898 | |
| 2625 | Paxton, J. T. | Sept. 5, 1883 | By examination..... | Harlan. | | | |
| 2737 | Pentzer, J. L. | April 9, 1884 | By examination..... | Muscataine. | Williamsburg. | Aug. 18, 1896 | |
| 2756 | Pickett, John H. | May 26, 1884 | By examination..... | Iowa City. | Oskaloosa. | Jan. 1, 1899 | |
| 2835 | Pember, H. H. | Feb. 3, 1885 | By examination..... | Spencer. | Rock Valley. | May 13, 1896 | |
| 2918 | Putnam, T. L. | Sept. 1, 1885 | By examination..... | Riverton. | Shenandoah. | Feb. 5, 1892 | |
| 2940 | Pike, Charles C. | Nov. 11, 1885 | By examination..... | Oskaloosa. | | | |
| 3042 | Platt, George M. | Nov. 11, 1885 | By examination..... | Red Oak. | | | |
| 3023 | Paddleford, J. F. | June 15, 1885 | By examination..... | Nora Springs. | | | |
| 3124 | Platt, W. W. | Mar. 1, 1887 | By examination..... | What Cheer. | | | |
| 3164 | Putzier, Henry J. | Feb. 25, 1887 | By examination..... | Ida Grove. | Mapleton. | May 27, 1887 | |
| 3187 | Palen, Joseph A. | Feb. 22, 1887 | By examination..... | Dubuque. | | | |
| 3189 | Putnam, J. M. | Mar. 18, 1887 | By examination..... | Forest City. | | | Out of business. |
| 3257 | Paul, B. F. | June 7, 1887 | By examination..... | Paulina. | Blairtown. | June 2, 1891 | |
| 3298 | Pfeiffer, H. Jacob. | Aug. 17, 1887 | By examination..... | Le Mars. | Cedar Falls. | Oct. 1, 1892 | |
| 3299 | Pickney, E. A. | Aug. 17, 1887 | By examination..... | Forest City. | | | |
| 3333 | Porter, George H. | Oct. 17, 1887 | By examination..... | Eldora. | Strawberry Point. | June 17, 1895 | Out of business. |
| 3413 | Painter, William | Mar. 6, 1888 | By examination..... | Peru. | | | |
| 3423 | Pfeiffer, Paul M. | Mar. 20, 1888 | By examination..... | Parkersburg. | | | Out of business. |
| 3453 | Potter, F. E. | May 1, 1888 | By examination..... | Shambaugh. | Corning. | Dec. 2, 1891 | |
| 3499 | Pratt, Arthur E. | Aug. 7, 1888 | By examination..... | Waukon. | | | |
| 3504 | Phillips, Clyde C. | Feb. 7, 1889 | By examination..... | Sion. | | | |
| 3626 | Phillips, E. M. | Mar. 27, 1889 | By examination..... | West Union. | | | |
| 3676 | Port, Frank W. | June 11, 1889 | By examination..... | Olin. | (Olin only). | | |
| 3684 | Paine, Fred E. | July 3, 1889 | By examination..... | Vail. | Paulina. | May 18, 1895 | |
| 3726 | Potts, Harry W. | Sept. 4, 1889 | By examination..... | Unionville. | Garden Grove. | April 21, 1897 | |
| 3734 | Potter, James M. | Sept. 17, 1889 | By examination..... | Woodward. | | | |
| 3866 | Patty, C. O. | April 1, 1890 | By examination..... | Carroll. | Fonda. | March 1, 1894 | |
| 3867 | Pfeiffer, G. A. | April 1, 1890 | By examination..... | Cedar Falls. | Parkersburg. | Oct. 1, 1891 | |
| 3885 | Ferry, Charles H. | April 22, 1890 | By examination..... | Bloomfield. | | April 7, 1899 | |
| 3914 | Peck, Sernan J. | July 25, 1890 | By examination..... | Grinnell. | | | |
| 3934 | Pitkin, F. O. | Sept. 11, 1890 | By examination..... | Cedar Rapids. | | | |
| 3937 | Pollins, Charles E. | Nov. 5, 1890 | By examination..... | Cedar Rapids. | | | |
| 4020 | Parsons, Miss E. S. | Mar. 21, 1891 | By examination..... | Adair. | Atlantic. | Sept. 14, 1891 | |
| 4031 | Park, L. E. | May 7, 1891 | By examination..... | Tracy. | | | |
| 4069 | Pierson, L. R. | June 2, 1891 | By examination..... | Des Moines. | | | |
| 4071 | Phelps, O. W. | June 2, 1891 | By examination..... | Seima. | Eldon. | Feb. 14, 1894 | |
| 4081 | Painter, David. | June 19, 1891 | By examination..... | Spencer. | | | |
| 4093 | Pfander, C. F. | Aug. 4, 1891 | By examination..... | Ackley. | | | |
| 4130 | Pitts, W. S. | Sept. 30, 1891 | By examination..... | Fredericksburg. | | | |
| 4151 | Parsons, F. H. | Dec. 1, 1891 | By examination..... | Martinsburg. | Oakville. | May 13, 1897 | |
| 4152 | Pennington, G. S. | Dec. 1, 1891 | By examination..... | Ottumwa. | | | |
| 4206 | Petersmeyer, William | Feb. 5, 1892 | By examination..... | Odebolt. | | | |
| 4291 | Perkins, Ira A. | July 5, 1892 | By examination..... | Bonaparte. | | | |
| 4270 | Peck, Jesse O. | July 26, 1892 | By examination..... | Winterset. | | Nov. 5, 1895. | Out of business. |
| 4334 | Puckett, Joseph B. | Nov. 22, 1892 | By examination..... | Des Moines. | Dallas Center. | Nov. 23, 1895 | Out of business. |
| 4345 | Pettit, Lewis N. | Dec. 13, 1892 | By examination..... | Independence. | | | |
| 4383 | Phillips, J. T. | Feb. 13, 1893 | By examination..... | Akron. | Ireton. | Dec. 15, 1894 | |
| 4394 | Parsons, A. H. | Feb. 21, 1893 | By examination..... | Colo. | | | |
| 4396 | Platt, J. H. | July 11, 1893 | By examination..... | Colo. | | | |
| 4491 | Penschaker, J. W. | Sept. 5, 1893 | By examination..... | Cedar Falls. | Calmar. | Aug. 2, 1897 | |
| 4508 | Parman, E. J. | Sept. 5, 1893 | By examination..... | Sibley. | | | |
| 4512 | Parker, O. E. | Nov. 9, 1893 | By examination..... | Atlantic. | Des Moines. | June 15, 1896 | |
| 4518 | Patterson, Harry O. | Nov. 9, 1893 | By examination..... | Atlantic. | | | |

ABSTRACT—CONTINUED.

| Number of certificates. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|-------------------------|----------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|----------------|
| 4602 | Power, J. H. | Mar. 6, 1894 | By examination. | Bloomfield. | Cincinnati. | July 25, 1894 | |
| 4646 | Platt, Thomas B. | April 17, 1894 | By examination. | Montezuma. | Hawarden. | May 6, 1898 | |
| 4643 | Powers, E. A. | April 20, 1894 | By examination. | Moulton. | Milton. | Aug. 14, 1898 | |
| 4653 | Parsons, Palmer C. | May 1, 1894 | By examination. | Odebolt. | Marshalltown. | Feb. 2, 1897 | |
| 4683 | Page, W. P. | June 26, 1894 | By examination. | Kingsley. | Alvord. | Oct. 15, 1898 | |
| 4691 | Parker, E. R. | July 3, 1894 | By examination. | Ireton. | | | |
| 4693 | Pick, Fred G. | July 14, 1894 | By examination. | Hawarden. | | | |
| 4698 | Poison, Gustav E. | July 9, 1894 | By examination. | Wesley. | Buffalo Center. | June 24, 1896 | |
| 4742 | Paien, Anton J. | Sept. 25, 1894 | By examination. | Dubuque. | | | |
| 4750 | Phelps, Oscar W. | Oct. 8, 1894 | By examination. | Hawarden. | | | |
| 4824 | Parker, Fred J. | April 3, 1894 | By examination. | Salem. | Kanawha. | Aug. 9, 1899 | |
| 4832 | Person, A. F. | Mar. 28, 1895 | By examination. | Goldfield. | Stanhope. | Nov. 21, 1893 | |
| 4921 | Pec, Evalene. | Aug. 6, 1895 | By examination. | Hazleton. | Maxwell. | Oct. 21, 1895 | |
| 4976 | Pond, A. M. | Jan. 7, 1896 | By examination. | Webster City. | Boone. | June 5, 1897 | |
| 4993 | Perry, T. J. | Feb. 4, 1896 | By examination. | Williamsburg. | | | |
| 5049 | Preele, C. H. | April 7, 1896 | By examination. | Humboldt. | Pioneer. | May 15, 1897 | |
| 5182 | Petersmeyer, E. C. | May 3, 1896 | By examination. | Odebolt. | | | |
| 5597 | Penney, T. A. | June 2, 1896 | By examination. | Logan. | | | |
| 5125 | Page, F. W. | Sept. 1, 1896 | By examination. | Wall Lake. | | | |
| 5217 | Prann, W. E. | Mar. 2, 1897 | By examination. | Cresco. | | | |
| 5229 | Polke, E. B. | Mar. 9, 1897 | By examination. | Dexter. | Goldfield. | Sept. 3, 1898 | |
| 5340 | Pfeiffer, W. F. | April 6, 1897 | By examination. | Cedar Falls. | Stuart. | Sept. 22, 1897 | |
| 5341 | Pederson, G. M. | April 6, 1897 | By examination. | Dayton. | Oelwein. | July 10, 1898 | |
| 5352 | Phillip, A. O. | April 6, 1897 | By examination. | Earlville. | Manchester. | July 10, 1898 | |
| 5338 | Peterson, W. J. | April 6, 1897 | By examination. | Fairfield. | | | |
| 5394 | Peterson, O. V. C. | July 6, 1897 | By examination. | Dayton. | Lehigh. | Nov. 6, 1897 | |
| 5314 | Hinney, J. G. B. | Aug. 3, 1897 | By examination. | Webster City. | | | |
| 5323 | Peterson, A. O. | Sept. 7, 1897 | By examination. | Gowrie. | | | |
| 5416 | Palmer, L. L. | Mar. 1, 1898 | By examination. | Faten. | | | |
| 5417 | Poet, R. W. E. | Mar. 1, 1898 | By examination. | Swea City. | | | |
| 5418 | Phillips, W. C. | Mar. 1, 1898 | By examination. | Carlida. | | | |
| 5436 | Phillips, Mrs. N. W. | Mar. 16, 1898 | By examination. | Fertile. | | | |
| 5494 | Prader, D. M. | Mar. 31, 1898 | Graduate. | Monticello. | | | |
| 5488 | Park, C. G. | Mar. 31, 1898 | Graduate. | Wilton Junction. | Calmar. | April 21, 1899 | |
| 5625 | Pinckney, Edwin. | July 7, 1898 | By examination. | Forest City. | | | |
| 5629 | Peyton, E. E. | July 7, 1898 | By examination. | Dubuque. | | | |
| 5544 | Parr, D. E. | Aug. 3, 1898 | Graduate. | Maxwell. | Des Moines. | July 27, 1899 | |
| 5551 | Priest, F. H. | Aug. 2, 1898 | By examination. | Hastings. | Emerson. | Feb. 9, 1899 | |
| 5560 | Pickertill, J. R. | Sept. 7, 1898 | Graduate. | Des Moines. | | | |
| 5584 | Porter, G. E. | Oct. 4, 1898 | By examination. | Marshalltown. | | | |
| 5587 | Petro, J. E. | Oct. 4, 1898 | By examination. | Des Moines. | Le Mars. | Feb. 12, 1899 | |
| 5600 | Parker, G. F. | Dec. 6, 1898 | By examination. | Bridgewater. | | | |
| 5606 | Pote, G. J. W. | April 4, 1899 | Graduate. | Des Moines. | | | |
| 5734 | Platard, P. F. W. | Aug. 1, 1899 | Graduate. | Westfield. | | | |
| 5774 | Porter, George E. | Aug. 1, 1899 | Graduate. | Des Moines. | | | |
| 5756 | Perkins, I. D. | Aug. 1, 1899 | Graduate. | Belle Plaine. | Searsboro. | Dec. 23, 1899 | |
| 5785 | Padon, C. M. | Aug. 1, 1899 | As owner. | Lyanville. | | | |
| 1152 | Quire, James C. | July 5, 1899 | As owner. | Lynnville. | | | |
| 1153 | Quire, Charles E. | July 7, 1899 | By examination. | What Cheer. | | | |
| 3314 | Quinn, Edward. | Jan. 20, 1898 | By examination. | Hawarden. | | | |
| 2270 | Quigley, Will A. | Mar. 3, 1898 | By examination. | Cherokee. | | | |
| 2831 | Quinn, Charles F. | Oct. 3, 1893 | By examination. | Storm Lake. | Meriden. | Aug. 12, 1885 | |
| 4329 | Quay, W. F. | Dec. 3, 1895 | By examination. | Edgeway. | | | |
| 4930 | Qualey, Olat. | Oct. 7, 1897 | By examination. | Essex. | Swaledale. | Mar. 1, 1899 | |
| 5337 | Quist, William. | June 4, 1880 | As principal. | Whiting. | | | |
| 33 | Rust, David. | June 6, 1880 | As owner. | West Point. | | | |
| 118 | Reisner, F. O. W. | June 1, 1880 | As owner. | Clarksville. | | | |
| 123 | Rhoads, H. M. | June 5, 1880 | As owner. | Farragut. | | | |
| 167 | Robbins, Willard. | June 2, 1880 | As owner. | Agency City. | | | |
| 175 | Reynolds, A. J. | June 12, 1880 | As owner. | Des Moines. | | | |
| 182 | Rogg, C. W. | June 12, 1880 | As owner. | Bellevue. | | | |
| 236 | Rolling, John. | June 4, 1880 | As owner. | Audubon. | | | |
| 291 | Roberts, A. H. | June 3, 1880 | As owner. | Burlington. | | | |
| 291 | Richter, Adolph H. | June 7, 1880 | As owner. | Birmingham. | | | |
| 310 | Ragsdale, J. S. | June 7, 1880 | As owner. | Corning. | | | |
| 382 | Rawson, Allen A. | June 22, 1880 | As owner. | Des Moines. | | | |
| 437 | Randolph, J. W. | June 19, 1880 | As owner. | Dallas Center. | | | |
| 437 | Richmond, J. A. | June 5, 1880 | As principal. | Davis City. | | | |
| 477 | Robinson, J. H. | June 4, 1880 | As owner. | Dubuque. | | | |
| 477 | Ruete, Theo. W. | June 5, 1880 | As owner. | Montezuma. | Albia. | Feb. 17, 1891 | |
| 557 | Roberts, James. | June 5, 1880 | As owner. | Mitchellville. | Des Moines. | May 15, 1892 | |
| 607 | Reichard, D. H. | June 4, 1880 | As owner. | Keokuk. | | | |
| 1238 | Reeves, I. C. | June 4, 1880 | As owner. | Wilton Junction. | Tipton. | Feb. 13, 1892 | |
| 1295 | Ross, William P. Jr. | June 2, 1880 | As assistant. | Washington. | | | |
| 1304 | Rodman, A. A. | June 8, 1880 | As owner. | Waterloo. | | | |
| 1331 | Robinson, F. W. | June 4, 1880 | As assistant. | Waters. | Audubon. | Jan. 31, 1890 | |
| 1344 | Rippy, London. | July 14, 1880 | As owner. | Bedford. | | | |
| 1376 | Rhoads, H. B. | July 13, 1880 | As assistant. | Smithland. | | | |
| 1419 | Rice, Charles. | July 19, 1880 | As assistant. | Mascatawa. | | | |
| 1441 | Reimcke, G. A. | July 17, 1880 | As owner. | Castalia. | | | |
| 1531 | Riggs, William K. | Sept. 14, 1880 | As assistant. | Keokuk. | | | |
| 1723 | Roos, Julius G. | Oct. 25, 1880 | By examination. | Alerton. | | | |
| 1876 | Rankin, J. B. | Aug. 8, 1880 | By examination. | Davenport. | | | |
| 1885 | Riepe, A. C. H. E. | Aug. 8, 1880 | By examination. | Oxford. | | | |
| 1906 | Robinson, H. A. | Dec. 25, 1880 | By examination. | Des Moines. | Oskaloosa. | Nov. 6, 1894 | |
| 1957 | Reel, Z. T. | Dec. 25, 1880 | By examination. | Fayette. | | | |
| 3002 | Rhoades, John. | Dec. 25, 1880 | By examination. | | | | In California. |

ABSTRACT—CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|---------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 2086 | Reel, A. R. | April 6, 1881 | By examination. | Des Moines. | Oskaloosa. | May 19, 1887 | |
| 2165 | Rice, Charles W. | July 11, 1881 | By examination. | Cantril | | | In Minnesota. |
| 2299 | Ray, H. G. | Dec. 29, 1881 | By examination. | Clarksville. | Nashua. | April 12, 1884 | |
| 2336 | Richardson, G. A. | Feb. 3, 1882 | By examination. | Blairstown | Denison | Jan. 31, 1894 | |
| 2337 | Riley, F. M. | Feb. 6, 1882 | By examination. | Jefferson | | | Out of business. |
| 2356 | Randall, Charles T. | Feb. 24, 1882 | By examination. | Dunlap. | Des Moines | Sept. 23, 1898 | |
| 2380 | Ryan, J. R. | Mar. 27, 1882 | By examination. | Colfax. | | | |
| 2387 | Rockwell, R. B. | April 4, 1882 | By examination. | Bedford. | | | |
| 2466 | Robertson, J. C. | June 3, 1882 | By examination. | Dublin | Council Bluffs. | Sept. 7, 1887 | Out of business. |
| 2533 | Robbins, C. A. | Sept. 14, 1882 | By examination. | Waukon. | Coin | Jan. 14, 1892 | |
| 2542 | Robinson, D. D. | Oct. 19, 1882 | By examination. | Mt. Pleasant. | Burlington. | April 14, 1883 | |
| 2546 | Richie, M. W. | Oct. 25, 1882 | By examination. | | | | |
| 2592 | Richardson, J. F. | Mar. 20, 1883 | By examination. | Harper. | | | |
| 2707 | Royce, Charles S. | Dec. 12, 1883 | By examination. | Oakland | Malvern. | Feb. 20, 1895 | |
| 2735 | Robinson, Ed. H. | April 1, 1884 | By examination. | Burlington. | | | |
| 2741 | Regan, Edwin W. | April 15, 1884 | By examination. | Nevinsville. | | | |
| 2798 | Reynolds, G. D. | Sept. 2, 1884 | By examination. | Conrad | Chatsworth | Dec. 10, 1898 | |
| 2846 | Randolph, Frank. | Mar. 3, 1885 | By examination. | Des Moines. | | | |
| 2876 | Rice, John A. | May 5, 1885 | By examination. | Milton. | | | |
| 2924 | Rogan, W. H. | Sept. 14, 1885 | By examination. | Bayard | Council Bluffs. | Jan. 9, 1890 | |
| 2928 | Ruff, Oscar. | Oct. 1, 1885 | Graduate | Dubuque. | | | |
| 2951 | Ramsey, J. N. | Dec. 1, 1885 | By examination. | Keota | Cedar Rapids. | Oct. 3, 1893 | Out of business. |
| 3022 | Rickel, F. W. | June 1, 1886 | By examination. | Casey | | | In Nebraska. |
| 3133 | Reynolds, M. M. | Feb 1, 1887 | By examination. | Panora | | | Out of business. |
| 3224 | Reed, C. W. | April 20, 1887 | By examination. | Steamboat Rock | Woodbine | Oct. 19, 1887 | |
| 3227 | Ryan, James B. | Dec 21, 1887 | By examination. | Dunlap | Winthrop | July 1, 1887 | |
| 3242 | Rainsburg, A. P. | May 17, 1887 | By examination. | Brooklyn. | | | |
| 3243 | Roff, H. J. | May 17, 1887 | By examination. | Lyons. | | | |
| 3256 | Roberts, F. J. | June 7, 1887 | By examination. | Ute | Charter Oak | Oct. 10, 1896 | |
| 3284 | Riggs, J. A. | Oct. 1, 1887 | By examination. | Parkersburg. | Runnells. | Oct. 4, 1898 | |
| 3288 | Ramsey, Robert B. | Aug. 2, 1887 | By examination. | Floris. | | | |
| 3327 | Raymond, William P. | Oct. 4, 1887 | By examination. | Waukon. | West Union | Nov. 1, 1895 | |
| 3337 | Rees, L. A. | Oct. 18, 1887 | By examination. | Des Moines | Hamburg | Nov. 15, 1887 | |
| 3343 | Riddle, N. D. | Nov. 3, 1887 | By examination. | Atalissa | Prairie City | Dec. 19, 1887 | |
| 3532 | Rudert, Otto. | Sept. 18, 1888 | By examination. | Davenport. | | | In Illinois. |
| 3544 | Rogers, Eugene E. | Oct. 1, 1888 | By examination. | Des Moines. | | | |
| 3566 | Rowe, E. E. | Dec. 14, 1888 | By examination. | Early. | | | |

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|------|---------------------|----------------|-----------------|--------------------|----------------|----------------|--------------|
| 3579 | Ross, Charles K. | Jan. 14, 1889 | By examination. | Tipton. | | | |
| 3593 | Robinson, C. E. | Feb. 7, 1889 | By examination. | Sibley | Clear Lake. | Sept. 30, 1898 | |
| 3610 | Rogers, R. R. | Mar. 1, 1889 | By examination. | Correctionville. | Minbura | Jan. 10, 1898 | |
| 3691 | Richmond, E. C. | July 16, 1889 | By examination. | Riceville. | | | |
| 3701 | Roberts, Samuel. | Aug. 6, 1889 | By examination. | Sioux City. | Le Mars. | May 6, 1890 | |
| 3768 | Ruse, A. E. | Nov. 19, 1889 | By examination. | Humboldt. | | | |
| 3777 | Reininghaus, J. E. | Dec. 2, 1889 | By examination. | Cantril. | | | |
| 3800 | Ryan, Milo. | Jan. 18, 1890 | By examination. | Vall. | | | |
| 3804 | Rouse, H. | Jan. 24, 1891 | By examination. | Mt. Pleasant. | | | |
| 3833 | Reed, John D. | Feb. 25, 1890 | By examination. | Woodbine | Portsmouth | Oct. 1, 1892 | |
| 3870 | Ream, R. | April 1, 1890 | By examination. | Iowa City. | | | |
| 3884 | Raffauf, O. A. | April 23, 1890 | By examination. | Independence. | | | |
| 3908 | Roe, Charles P. | July 14, 1890 | By examination. | Grinnell. | | | |
| 3965 | Roberts, William G. | Dec. 2, 1890 | By examination. | Panora. | Richland. | Sept. 30, 1897 | |
| 3985 | Reinert, Caspar. | Feb. 3, 1891 | By examination. | Bigourney | | | |
| 3989 | Rathburn, D. C. | Feb. 11, 1891 | By examination. | Fayette. | | | |
| 3999 | Rudy, J. W. | Mar. 3, 1891 | By examination. | Sioux City. | | | |
| 4007 | Ritz, George | Mar. 7, 1891 | By examination. | Griswold | Rockwell City. | Sept. 15, 1891 | |
| 4027 | Robinson, A. J. | April 7, 1891 | By examination. | Algona | Britt | May 13, 1891 | |
| 4083 | Reichard, W. F. | June 26, 1891 | By examination. | Mitchellville | Des Moines | May 13, 1892 | |
| 4092 | Rogers, U. C. | Aug. 4, 1891 | By examination. | Cushing | Washita | Oct. 5, 1891 | |
| 4117 | Royden, F. W. | Sept. 1, 1891 | By examination. | Greeley | Edgewood | Mar. 30, 1898 | |
| 4119 | Reynolds, M. H. | Sept. 28, 1891 | By examination. | Keosauqua. | | | |
| 4163 | Richards, Miss L. | Jan. 7, 1892 | By examination. | West Point. | | | |
| 4181 | Ravenscroft, T. E. | Feb. 16, 1892 | By examination. | Garrison. | | | |
| 4202 | Ruete, Otto M. | Mar. 11, 1892 | By examination. | Dubuque. | | | |
| 4225 | Rogers, J. Elmer. | May 5, 1892 | By examination. | Rockwell. | | | |
| 4239 | Roberts, Thomas. | May 24, 1892 | By examination. | Scranton | Churdan | Feb. 2, 1896 | |
| 4244 | Ralston, S. A. | June 7, 1892 | By examination. | Indianola | Lacona | Feb. 15, 1894 | |
| 4259 | Readout, Albert. | July 1, 1892 | By examination. | Ferguson | Union | Dec. 23, 1892 | |
| 4270 | Reynolds, A. L. | July 9, 1892 | By examination. | Ottumwa. | | | |
| 4323 | Robbins, F. | Oct. 25, 1892 | By examination. | Neola. | | | |
| 4339 | Roberts, Oren B. | Dec. 6, 1882 | By examination. | New Market. | Clarinda. | Nov. 12, 1898 | |
| 4349 | Robb, W. M. | Dec. 20, 1882 | By examination. | Des Moines. | | | |
| 4367 | Raber, A. S. | Jan. 31, 1893 | By examination. | Stuart. | | | |
| 4394 | Rohlf, Edwin L. | Mar. 7, 1893 | By examination. | Lake Park. | | | In Nebraska. |
| 4407 | Reed, H. J. C. | Mar. 7, 1893 | By examination. | Diagonal. | | | |
| 4408 | Russell, Charles R. | Mar. 7, 1893 | Graduate | Ottumwa. | | | |
| 4445 | Rolfes, Herman | May 2, 1893 | Graduate. | Des Moines. | Neola. | May 31, 1899 | |
| 4487 | Reed, Charles G. | July 5, 1893 | Graduate. | Gladbrook | Laurens | Nov. 11, 1897 | |
| 4550 | Rehkoph, A. K. | Dec. 5, 1893 | By examination. | Des Moines. | | | |
| 4578 | Ryan, O. D. | Feb. 6, 1894 | By examination. | Tama | Cedar Rapids. | July 23, 1894 | |
| 4599 | Rambo, John H. | Mar. 6, 1894 | By examination. | Glenwood. | | | |
| 4629 | Reed, J. W. | April 5, 1894 | By examination. | Lime Springs. | | | |
| 4680 | Rainsburg, C. T. | June 5, 1894 | By examination. | Brooklyn. | | | |
| 4705 | Rowland, A. A. | Aug. 6, 1894 | By examination. | Olinton. | | | |
| 4721 | Rigg, J. Roy | Sept. 4, 1894 | By examination. | Keokuk. | | | |
| 4723 | Robinson, R. B. | Sept. 4, 1894 | By examination. | Sumner. | Westgate. | Jan. 26, 1895 | |
| 4731 | Rawhouser, J. L. | Sept. 4, 1894 | By examination. | Tipton | Lone Tree | Nov. 24, 1896 | |
| 4736 | Robertson, Samuel. | Sept. 12, 1894 | By examination. | Columbus Junction. | | | |

ABSTRACT—CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|---------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|----------|
| 4755 | Reynolds, John W. | Sept. 5, 1893 | By examination. | Creston. | | | |
| 4773 | Ross, N. K. | Nov. 13, 1894 | By examination. | Victor. | | | |
| 4800 | Russell, Fred. | Jan. 14, 1895 | By examination. | Lake City. | | | |
| 4802 | Rippey, J. H. | Jan. 22, 1895 | By examination. | Pierson. | Kingsley. | Mar. 16, 1898 | |
| 4882 | Richey, E. F. | May 7, 1895 | By examination. | Lehrville. | | | |
| 4841 | Romers, Joseph. | May 7, 1895 | By examination. | Linn Grove. | | | |
| 4917 | Roe, Carl O. | Aug. 9, 1895 | By examination. | Waukon. | Nashua. | April 3, 1896 | |
| 4448 | Riddle, O. H. | Sept. 19, 1895 | By examination. | Prairie City. | | | |
| 4977 | Redman, I. D. | Jan. 7, 1896 | By examination. | Henderson. | Pacific Junction. | Mar. 26, 1898 | |
| 5021 | Reinert, Henry. | Mar. 2, 1896 | By examination. | South English. | Tipton. | May 8, 1898 | |
| 5043 | Rouse, C. O. | April 7, 1896 | By examination. | Mt. Pleasant. | | | |
| 5067 | Robbins, T. L. | May 5, 1896 | By examination. | Clearfield. | | | |
| 5096 | Rogers, Arthur L. | June 2, 1896 | By examination. | Des Moines. | Murray. | Oct. 31, 1898 | |
| 5200 | Kodamar, Albert. | Feb. 2, 1897 | By examination. | Waterloo. | | | |
| 5219 | Rogatz, George, Jr. | Mar. 2, 1897 | By examination. | Dubuque. | | | |
| 5220 | Roberts, F. H. | Mar. 2, 1897 | By examination. | Kossauqua. | | | |
| 5223 | Rosemond, W. H. | Mar. 2, 1897 | By examination. | Clear Lake. | | | |
| 5225 | Kevoolds, Lillie E. | Mar. 9, 1897 | By examination. | Leon. | | | |
| 5233 | Ruegnitz, Fred. | April 6, 1897 | By examination. | Waterloo. | Stratford. | Sept. 23, 1898 | |
| 5231 | Rueback, E. E. | April 6, 1897 | By examination. | Waterloo. | | | |
| 5364 | Royer, J. D. | May 5, 1897 | By examination. | Hampton. | Coon Rapids. | Aug. 20, 1897 | |
| 5271 | Romaine, Ernest. | May 4, 1897 | By examination. | Grinnell. | | | |
| 5272 | Richard, W. W. | May 4, 1897 | By examination. | Cedar Rapids. | | | |
| 5301 | Rhea, W. F. | Aug. 2, 1897 | Graduate. | Odebolt. | Grundy Center. | April 5, 1899 | |
| 5167 | Roth, O. P. | Nov. 2, 1897 | By examination. | Dyersville. | | | |
| 5364 | Rust, E. G. | Dec. 7, 1897 | By examination. | Pringhar. | | | |
| 5369 | Remington, C. E. | Dec. 7, 1897 | By examination. | Bedford. | | | |
| 5434 | Robinson, O. E. | Mar. 1, 1898 | By examination. | Northwood. | | | |
| 5185 | Rixline, A. J. | Mar. 1, 1898 | By examination. | Des Moines. | | | |
| 5442 | Rogers, A. M. | April 5, 1898 | By examination. | Dana. | | | |
| 5444 | Reed, N. F. | April 5, 1898 | By examination. | Eldon. | | | |
| 5463 | Rodgers, J. G. | April 5, 1898 | By examination. | Montezuma. | | | |
| 5478 | Ross, J. A. | April 5, 1898 | By examination. | Mars Hill. | Oelwein. | Jan. 7, 1899 | |
| 5479 | Robinson, C. W. | April 5, 1898 | By examination. | Davis City. | Ottumwa. | July 13, 1899 | |
| 5480 | Roche, W. H. | April 5, 1898 | By examination. | Riceville. | | | |
| 5508 | Reed, C. T. | June 7, 1898 | By examination. | Portsmouth. | | | |
| 5528 | Ruegnitz, B. A. | Aug. 2, 1898 | By examination. | Dubuque. | | | |

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|------|-----------------------|---------------|-----------------|------------------|-----------------|---------------|------------------|
| 5580 | Ramsey, A. J. | Oct. 4, 1898 | Graduate. | Marble Rock. | | | |
| 5641 | Rogers, R. E. | Nov. 7, 1899 | By examination. | Wesley. | | | |
| 87 | Sherman, J. M. | June 9, 1880 | As owner. | West Union. | Renwick. | Jan. 4, 1893 | Out of business. |
| 127 | Satterthwaite, J. W. | June 4, 1880 | As owner. | Mt. Pleasant. | | | |
| 199 | Salmon, M. M. | June 11, 1880 | As owner. | Burlington. | | | |
| 219 | Shancks, F. B. | June 16, 1880 | As owner. | West Mitchell. | | | |
| 273 | Smith, W. H. | June 3, 1880 | As owner. | Shell Rock. | | | |
| 275 | Skinner, William B. | June 10, 1880 | As assistant. | Anamosa. | | | |
| 277 | Skinner, Mary A. | June 10, 1880 | As assistant. | Anamosa. | | | |
| 287 | Sylvester, W. G. | June 3, 1880 | As owner. | Cherokee. | | | |
| 395 | Smith, George E. | June 2, 1880 | As owner. | Clarence. | West Union. | July 28, 1894 | |
| 396 | Stiles, Arthur E. | June 18, 1880 | As owner. | Calmar. | | | |
| 447 | Schlegel, Gustave. | June 8, 1880 | As owner. | Davenport. | | | |
| 456 | Stanley, J. G. | June 7, 1880 | As owner. | Dexter. | | | |
| 466 | Satterlee, Dwight. | June 9, 1880 | As owner. | Dunlap. | | | |
| 475 | Satterlee, E. S. | June 3, 1880 | As assistant. | Dunlap. | | | |
| 501 | Snyder, O. H. | June 3, 1880 | As owner. | Malvern. | Tabor. | Aug. 8, 1899 | |
| 513 | Springer, James T. | June 4, 1880 | As owner. | Norway. | | | |
| 526 | Sproat, William S. | June 10, 1880 | As owner. | Corydon. | | | |
| 554 | Shipman, E. M. | June 21, 1880 | As owner. | Emerson. | | | |
| 594 | Smith, Horace W. | June 4, 1880 | As owner. | Garner. | | | |
| 651 | Smile, George. | June 5, 1880 | As owner. | Independence. | | | |
| 680 | Strickling, Joseph O. | June 3, 1880 | As assistant. | Kossauqua. | | | |
| 721 | Shrader, W. E. | June 28, 1880 | As owner. | Iowa City. | | | |
| 734 | Stephenson, A. C. | June 16, 1880 | As owner. | East Des Moines. | | | Out of business. |
| 736 | Stempel, A. H. | July 1, 1880 | As assistant. | Fort Madison. | | | |
| 784 | Snyder, Daniel B. | June 5, 1880 | As owner. | Lyons. | | | |
| 832 | Shiley, George P. | June 2, 1880 | As owner. | Missouri Valley. | | | |
| 869 | Summers, L. F. | June 7, 1880 | As owner. | Milton. | | | |
| 919 | Smith, Henry C. | June 22, 1880 | As assistant. | Manchester. | | | |
| 920 | Scribner, William H. | June 3, 1880 | As owner. | Newton. | | | Out of business. |
| 931 | Skiff, Harvey J. | June 5, 1880 | As owner. | Newton. | | | |
| 976 | Smith, John B. | July 6, 1880 | As owner. | Kellogg. | | | |
| 1057 | Staat, Anton. | June 9, 1880 | As owner. | Postville. | | | |
| 1058 | Staat, Godfrey. | June 9, 1880 | As owner. | Postville. | | | |
| 1084 | Sprague, J. F. | June 3, 1880 | As owner. | Russell. | | | |
| 1110 | Shafer, J. A. | June 23, 1880 | As owner. | Burlington. | | | |
| 1119 | Storle, D. O. | July 8, 1880 | As owner. | Chariton. | | | |
| 1128 | Schroeder, Frederick. | June 7, 1880 | As assistant. | Des Moines. | | | |
| 1130 | Sandholm, John A. | July 10, 1880 | As assistant. | Des Moines. | | | |
| 1141 | Scott, Calvin B. | June 20, 1880 | As owner. | Fontanelle. | | | |
| 1178 | Stonebraker, A. G. | June 4, 1880 | As owner. | Shell Rock. | | | |
| 1249 | Stiger, Stephen. | June 4, 1880 | As owner. | Toledo. | | | |
| 1252 | Soleman, Henry. | June 18, 1880 | As owner. | Tama City. | | | |
| 1476 | Sweet, Homer L. | July 17, 1880 | As owner. | Mt. Etna. | | | |
| 1548 | Salmon, Theodore. | July 30, 1880 | As assistant. | Fort Madison. | | | |
| 1635 | Scroggs, J. P. | Aug. 16, 1880 | As owner. | Lenox. | | | |
| 1882 | Stuart, James D. | July 30, 1880 | By examination. | Mondamin. | Council Bluffs. | Nov. 10, 1887 | |
| 1885 | Sours, Webb. | Aug. 2, 1880 | By examination. | Des Moines. | | | |
| 1712 | Schmucker, D. R. | Aug. 30, 1880 | As owner. | Des Moines. | | | |

ABSTRACT-CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|--------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 1720 | Scott, E. M. B. | July 30, 1880 | As owner | Ottumwa. | | | |
| 1797 | Schadt, Conrad | Aug. 5, 1880 | By examination | Amana. | | | |
| 1865 | Sommerbeck, R. | Sept. 23, 1880 | By examination | Cedar Rapids. | | | |
| 1888 | Speers, G. W. | July 30, 1880 | By examination | Vinton. | | | |
| 1893 | Stewart, C. M. C. | Aug. 9, 1880 | By examination | Centerville. | Mason City | June 17, 1882 | |
| 1933 | Scarr, George F. | Nov. 9, 1880 | By examination | Griswold | Cumberland. | Nov. 28, 1885 | |
| 1940 | Schafer, George H. | Dec. 15, 1880 | By examination | Fort Madison. | | | |
| 2015 | Shaffer, Lewis O. | Mar. 2, 1881 | By examination | Altoona. | | | |
| 2064 | Sperry, Louis B. | Mar. 17, 1881 | By examination | Hamburg. | | | |
| 2070 | Swartz, John L. | Jan. 10, 1881 | By examination | Iowa Falls. | | | |
| 2127 | Schriever, William | May 17, 1881 | By examination | Sigourney | Richland | Nov. 16, 1882 | |
| 2129 | Spaulding, S. J. | May 23, 1881 | By examination | Milo | Des Moines. | | |
| 2140 | Selby, J. Milton | June 23, 1881 | By examination | Carbon | Killott | Aug. 4, 1897 | |
| 2142 | Stoll, L. S. | May 24, 1881 | By examination | Arcadia | Sioux Center | June 15, 1896 | |
| 2144 | Schlumberger, P. | May 27, 1881 | By examination | Griswold | Deaion | Mar. 22, 1892 | |
| 2196 | Sampson, J. W. | Aug. 12, 1881 | By examination | Fairfield | Ottumwa | April 10, 1886 | |
| 2197 | Selby, R. W. | Aug. 11, 1881 | By examination | Carbon | Odebolt | Nov. 21, 1896 | |
| 2230 | Schenck, G. W. | Sept. 5, 1881 | By examination | Burlington | Lyons | Oct. 15, 1891 | |
| 2286 | Schoel, August | Dec. 3, 1881 | By examination | Gladbrook | Sanborn | Mar. 14, 1895 | |
| 2302 | Swennings, F. J. | Dec. 31, 1881 | By examination | Fort Dodge | Panama | May 16, 1893 | |
| 2381 | Sackett, R. W. | Mar. 28, 1882 | By examination | Sioux Rapids | Fort Dodge | May 10, 1884 | |
| 2385 | Smith, Charles E. | April 1, 1882 | By examination | Bedford | Correctionville | Nov. 10, 1890 | |
| 2419 | Stillians, W. A. | April 27, 1882 | By examination | Clarinda | Villisca | Mar. 28, 1892 | |
| 2427 | St. John, L. E. | May 10, 1882 | By examination | Clarinda | Shannon City | July 1, 1897 | |
| 2431 | Shope, Elwin B. | May 22, 1882 | By examination | Milo | Des Moines | Aug. 4, 1886 | |
| 2434 | Stover, Noah W. | May 17, 1882 | By examination | Lucas | | | |
| 2445 | Sansom, J. E. | May 18, 1882 | By examination | Arita | | | |
| 2457 | Sigworth, M. P. | May 24, 1882 | By examination | Anamosa | | | Out of business. |
| 2456 | Stevens, J. C. | May 23, 1882 | By examination | Shenandoah. | | | |
| 2480 | Salts, Andrew J. | June 12, 1882 | By examination | Coring. | | | |
| 2504 | Stoehr, Gus A. | July 18, 1882 | By examination | Egin. | | | |
| 2638 | Sproul, O. H. | Oct. 10, 1882 | By examination | Hamburg | Red Oak | April 6, 1895 | |
| 2560 | Smith, A. W. | Mar. 20, 1883 | By examination | Scranton | Guthrie Center | Aug. 23, 1889 | |
| 2591 | Smallpage, R. M. | Mar. 21, 1883 | By examination | Parkersburg | Eagle Grove | May 29, 1888 | |
| 2613 | Shrader, F. P. | April 3, 1883 | By examination | Brooklyn. | | | |
| 2617 | Sieg, Henry C. | April 17, 1883 | By examination | Marshalltown. | | | |
| 2638 | Surry, William W. | June 5, 1883 | By examination | Hedrick. | Keokuk | Oct. 30, 1888 | |

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|------|---------------------|----------------|----------------|-----------------|--------------------|----------------|------------------|
| 2687 | Shrader, J. A. | Sept. 12, 1883 | By examination | Monroe | | | Out of business. |
| 2688 | Schumacher, H. | Oct. 2, 1883 | By examination | Durant | | | |
| 2694 | Shnell, T. J. | Nov. 6, 1883 | By examination | Lytle City | Parnell | April 21, 1885 | |
| 2713 | Stover, Emery E. | Jan. 15, 1884 | By examination | Lucas | | | |
| 2748 | Stewart, William J. | May 14, 1884 | By examination | Grimes | | | |
| 2750 | Stemets, John | May 20, 1884 | By examination | Emmetsburg. | | | |
| 2753 | Simcoke, J. L. | May 23, 1884 | By examination | Redfield | Adel | Nov. 9, 1885 | |
| 2774 | Sifford, Charles | June 23, 1884 | By examination | Wall Lake | Lake View | Oct. 1, 1890 | |
| 2814 | Simons, A. C. | Nov. 18, 1884 | By examination | Ida Grove | | | Out of business. |
| 2827 | Strong, R. F. | Jan. 6, 1885 | By examination | Clinton. | | | |
| 2839 | Stauffer, George M. | Feb. 17, 1885 | By examination | Gladbrook | | | Out of business. |
| 2844 | Schmidt, Louis | Mar. 10, 1885 | By examination | Des Moines. | | | |
| 2882 | Shelton, Alvin H. | May 26, 1885 | By examination | Pulaski | Bloomfield | April 13, 1889 | |
| 2883 | Stanton, John H. | May 27, 1885 | By examination | Chariton | | | |
| 2891 | Sanders, J. O. | June 18, 1885 | By examination | Deep River | (Deep River only.) | | |
| 2897 | Schlegel, Carl E. | July 22, 1885 | Graduate | Davenport. | | | |
| 2898 | Stoddard, F. S. | July 7, 1885 | By examination | Jesup | | | Out of business. |
| 2907 | Saunders, C. J. | July 31, 1885 | By examination | Clare | | | |
| 2921 | Sampson, S. V. | Sept. 8, 1885 | By examination | Ottumwa | Agency City | Dec. 4, 1886 | |
| 2969 | Stream, Curtis | Feb. 13, 1886 | By examination | Des Moines. | | | |
| 2977 | Sampson, F. E. | Feb. 2, 1886 | By examination | Greenfield | | | Out of business. |
| 2988 | Shrader, Charles C. | Mar. 4, 1886 | By examination | Iowa City. | | | |
| 2996 | Sherman, Emery | Mar. 16, 1886 | By examination | Alden | Independence | Mar. 26, 1892 | Out of business. |
| 3002 | Smith, David F. | May 4, 1886 | By examination | Wellman | Centerville | Mar. 23, 1891 | Out of business. |
| 3014 | Somers, John W. | June 15, 1886 | By examination | Ida Grove. | | | |
| 3042 | Sherling, Gust | Aug. 18, 1886 | Graduate | Sioux City. | | | |
| 3044 | Sampson, F. W. | Aug. 30, 1886 | Graduate | Osage | | | |
| 3058 | Stevens, W. B. | July 27, 1886 | By examination | Stoley | | | |
| 3105 | Stewart, J. H. | Dec. 7, 1886 | By examination | Washington. | | | |
| 3122 | Selby, S. D. | Feb. 1, 1887 | By examination | Carbon | Odebolt | Dec. 21, 1896 | |
| 3125 | Stemple, G. L. | Mar. 8, 1887 | By examination | Macedonia. | | | |
| 3137 | Slusher, J. M. | Feb. 9, 1887 | By examination | Hudson. | | | |
| 3143 | Snelson, William | Mar. 1, 1887 | By examination | Massena. | | | |
| 3151 | Slater, Willis O. | Mar. 9, 1887 | By examination | Marengo | Fairfield | May 1, 1895 | |
| 3159 | Swacha, Frank | Feb. 25, 1887 | By examination | Cedar Rapids | Ely | July 6, 1887 | |
| 3175 | Scott, James C. | Mar. 23, 1887 | By examination | Glidden | | | |
| 3205 | Severa, W. F. | April 4, 1897 | By examination | Cedar Rapids. | | | |
| 3217 | Springer, George L. | April 8, 1887 | By examination | Garwin. | | | |
| 3236 | Sturges, Will E. | May 3, 1887 | By examination | Carroll. | | | |
| 3240 | Schminko, F. C. H. | May 17, 1887 | By examination | Dubuque | Marion | Sept. 29, 1887 | |
| 3252 | Schmidt, W. F. | May 31, 1887 | By examination | Sioux City. | | | |
| 3274 | Shaul, Albert J. | July 5, 1887 | By examination | Keswick | Quimby | Nov. 13, 1888 | |
| 3296 | Smith, Henry | Aug. 16, 1887 | By examination | New Sharon | Oskaloosa | Sept. 28, 1887 | |
| 3304 | Sedwick, W. L. | Aug. 31, 1887 | Graduate | Sioux City. | | | |
| 3315 | Smith, Fred J. | Sept. 8, 1887 | By examination | Alton | | | Out of business. |
| 3320 | Starr, John W. | Sept. 26, 1887 | By examination | Fairfield | Lacona | Jan. 29, 1898 | |
| 3353 | Stewart, Charles W. | Dec. 6, 1887 | By examination | Crawfordsville. | Washington | May 26, 1890 | |
| 3368 | Smith, Abbott E. | Jan. 25, 1888 | By examination | Ocheyedan | Harris | Aug. 11, 1897 | |
| 3370 | Sturges, N. F. | Jan. 30, 1888 | By examination | Carroll | Clinton | Mar. 15, 1895 | |
| 3392 | Stewart, David T. | Feb. 21, 1888 | By examination | Hartley. | | | |

ABSTRACT—CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|---------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|------------------|
| 3432 | Stoll, W. W. | April 3, 1888 | By examination | Arcadia | Greenfield | Nov. 28, 1898 | |
| 3436 | Sanford, H. Clay | April 10, 1888 | By examination | Belle Plaine. | | | |
| 3442 | Schultz, Louis C | April 17, 1888 | By examination | McGregor | | | In Washington. |
| 3463 | Sandell, C. A. | May 23, 1888 | By examination | Molingona. | Boone | Jan. 21, 1890 | |
| 3471 | Shumway, W. | June 5, 1888 | By examination | Brush Creek. | | | |
| 3528 | Satterlee, Gale | Sept. 5, 1888 | By examination | Boone | | | In Chicago. |
| 3534 | Striegel, Bernhard | Sept. 18, 1888 | By examination | Waterloo | Waterloo | April 13, 1889 | |
| 3540 | Sargent, W. L. | Oct. 4, 1888 | By examination | Ottumwa. | | | |
| 3553 | Snelson, Lulu | Nov. 6, 1888 | By examination | Massena. | | | |
| 3554 | Sellers, Frank E. | Nov. 14, 1888 | By examination | Walnut. | Council Bluffs | Aug. 15, 1895 | |
| 3563 | Sturgeon, Q. A. | Dec. 4, 1888 | By examination | Madrid. | | | |
| 3577 | Sheldon, J. B. | Jan. 7, 1889 | By examination | Beaman | Havelock | Oct. 13, 1891 | |
| 3601 | Smith, Albert C. | Feb. 19, 1889 | By examination | Marshalltown | Eagle Grove | Oct. 2, 1894 | |
| 3667 | Smith, M. E. | May 28, 1889 | By examination | Des Moines | Winterset | Oct. 14, 1891 | |
| 3682 | Seiling, Ed. H. | June 18, 1889 | By examination | Boone | | | |
| 3744 | Stewart, Mrs. E. A. | Oct. 1, 1889 | By examination | Grimes. | | | |
| 3755 | Shank, Harry W. | Oct. 15, 1889 | By examination | Red Oak. | | | |
| 3761 | Shadley, F. W. | Oct. 29, 1889 | By examination | Des Moines | Strawberry Point | Mar. 3, 1898 | |
| 3765 | Smallpage, J. B. | Nov. 9, 1889 | By examination | Eagle Grove. | | | |
| 3766 | Schmidt, H. E. | Nov. 19, 1889 | Graduate | Keokuk. | | | |
| 3789 | Shea, J. W. | Dec. 20, 1889 | By examination | Ottumwa | Colfax | Mar. 13, 1899 | |
| 3798 | Spohr, A. G. | Jan. 7, 1890 | By examination | Toledo. | | | |
| 3808 | Schuster, H. J. | Jan. 28, 1890 | By examination | Cherokee. | | | |
| 3815 | Schneider, Otto C. | Feb. 31, 1890 | By examination | Iowa City | | | Out of business. |
| 3838 | Sealey, Charles A. | Feb. 27, 1890 | By examination | Vinton | Marshalltown | April 14, 1897 | |
| 3869 | Skiff, William C. | April 1, 1890 | By examination | Chester Center | Storm Lake | Feb. 16, 1891 | |
| 3891 | Schlichting, E. A. | May 8, 1890 | By examination | Minden | Griswold | Jan. 1, 1895 | |
| 3898 | Studley, William J. | June 9, 1890 | By examination | Dallas Center | Algona | Dec. 20, 1892 | |
| 3905 | Sheldon, Frank | July 12, 1890 | By examination | Des Moines. | | | |
| 3910 | Shaffer, O. W. | July 15, 1890 | By examination | Adel | Casey | Feb. 13, 1892 | |
| 3927 | Smith, Clويد H. | Sept. 2, 1890 | By examination | Odebolt. | | | |
| 3929 | Stafford, R. H. | Sept. 2, 1890 | By examination | Sumner. | | | |
| 3933 | Smith, M. R. | Sept. 5, 1890 | By examination | Conesville | Laurel | Dec. 8, 1890 | |
| 3961 | Stevens, J. H. | Nov. 25, 1890 | By examination | Montour. | | | |
| 3966 | Shea, Michael J. | Dec. 2, 1890 | By examination | Anthon | Cleghorn | Jan. 30, 1895 | |
| 3967 | Shaffer, W. B. | Dec. 2, 1890 | By examination | Altoona | Des Moines | June 27, 1895 | |
| 3976 | Simmers, George T | Jan. 19, 1891 | By examination | Ames | | | Out of business. |

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|------|----------------------|----------------|----------------|--------------------|-----------------|----------------|------------------|
| 3992 | Shope, Charles C. | Feb. 14, 1891 | By examination | Des Moines. | | | |
| 4008 | Smith, William C. | Mar. 7, 1891 | By examination | Battle Creek | Dunlap | Sept. 15, 1891 | |
| 4028 | Stone, N. E. | April 7, 1891 | By examination | Marathon | Swea City | Feb. 9, 1895 | |
| 4048 | Shumway, Harry | May 5, 1891 | By examination | Leon. | | | |
| 4075 | Stroud, J. S. | June 9, 1891 | By examination | Des Moines. | | | |
| 4076 | Swatman, B. F. | June 9, 1891 | By examination | Tabor. | | | |
| 4079 | Surface, David U. | June 13, 1891 | By examination | Castana. | | | |
| 4087 | Shinn, Miss M. O. | July 7, 1891 | By examination | Corning. | | | |
| 4102 | Shaw, William S. | Aug. 13, 1891 | By examination | Centerville. | | | |
| 4109 | Smith, J. E. | Aug. 25, 1891 | By examination | Adel | Earlham | April 22, 1893 | |
| 4127 | Strunk, H. J. | Oct. 10, 1891 | By examination | Earling. | | | |
| 4141 | Sartori, Anton | Nov. 13, 1891 | By examination | Le Mars. | | | |
| 4153 | Samuelson, J. A. | Dec. 1, 1891 | By examination | Sioux City. | | | |
| 4161 | Shakespeare, George | Jan. 5, 1892 | By examination | Central City. | Ogden | April 21, 1899 | |
| 4162 | Stone, Charles F. M. | Jan. 5, 1892 | By examination | Marshalltown. | | | |
| 4166 | Schafer, R. R. | Feb. 28, 1892 | By examination | Ft. Madison. | | | |
| 4172 | Sherman, D. D. | Feb. 2, 1892 | By examination | Washington. | | | |
| 4173 | Sigworth, D. B. | Feb. 2, 1892 | By examination | Anamosa. | | | |
| 4213 | Sherman, M. E. | April 5, 1892 | By examination | Rockwell City. | | | |
| 4218 | Swarm, O. P. | April 13, 1892 | By examination | Oakland. | | | |
| 4236 | Smith, J. O. | May 18, 1892 | By examination | Woolstock. | | | |
| 4237 | Salmon, G. A. | May 14, 1892 | By examination | Columbus Junction. | | | |
| 4247 | Seldler, William | June 21, 1892 | By examination | Minburn. | | | |
| 4250 | Singer, William A. | June 21, 1892 | Graduate | Peoria, Ill. | | | |
| 4262 | Shinn, Amos F. | July 5, 1892 | By examination | Corning. | | | Out of business. |
| 4263 | Smith, E. H. | July 5, 1892 | By examination | Des Moines. | | | |
| 4267 | Sands, F. G. | July 5, 1892 | By examination | Ainsworth | Thornburg | Aug. 26, 1893 | |
| 4290 | Sullivan, E. F. | Aug. 9, 1892 | Graduate | Des Moines. | Lorimer | Dec. 9, 1897 | |
| 4293 | Soetje, O. H. | Aug. 19, 1892 | By examination | Monticello. | | | |
| 4300 | Sheffer, S. F. | Sept. 6, 1892 | By examination | Ottumwa | Des Moines. | | |
| 4301 | Scrimgeour, C. A. | Sept. 6, 1892 | By examination | Belle Plaine. | | | |
| 4304 | Swenson, J. H. L. | Sept. 13, 1892 | By examination | Elkport. | Alta Vista | Sept. 19, 1895 | |
| 4309 | Shambaugh, L. D. | Sept. 20, 1892 | Graduate | Mason City. | Ottumwa | July 12, 1893 | |
| 4315 | Seyfert, H. L. | Oct. 4, 1892 | By examination | Arcadia. | Valley Junction | July 7, 1896 | |
| 4331 | Stephenson, C. C. | Nov. 30, 1892 | Graduate | Centerville. | | | |
| 4343 | Samson, O. H. | Dec. 6, 1892 | By examination | Dubuque. | | | |
| 4395 | Shaffer, J. F. | Jan. 14, 1893 | By examination | Casey. | | | |
| 4397 | Shannon, E. S. | Jan. 14, 1893 | By examination | Bayard | Jamaica | April 10, 1893 | |
| 4398 | Stewers, A. O. | Jan. 18, 1893 | Graduate | Decorah. | Dubuque | Feb. 14, 1896 | |
| 4411 | Simons, A. B. | Mar. 19, 1893 | By examination | Sidney. | | | |
| 4417 | Swenson, S. N. | Mar. 8, 1893 | By examination | Fonda. | Storm Lake | Feb. 10, 1899 | |
| 4420 | Shomler, C. E. | Mar. 8, 1893 | By examination | Shellsburg | Cedar Rapids | April 7, 1893 | |
| 4426 | Snyder, R. B. | April 4, 1893 | By examination | Keosauqua. | | | |
| 4437 | Smart, F. G. | April 11, 1893 | By examination | Hancock. | | | |
| 4446 | Swift, Theo. T. | May 2, 1893 | By examination | Marshalltown | State Center | Feb. 6, 1895 | |
| 4450 | Shumaker, O. M. | May 3, 1893 | Graduate | Manning | Lansing | Aug. 27, 1897 | |
| 4457 | Swan, A. B. | May 2, 1893 | By examination | Walker. | | | |
| 4460 | Schwengel, William | May 30, 1893 | By examination | Jolley. | | | |
| 4464 | Salm, John L. | May 31, 1893 | Graduate | Dubuque. | | | |
| 4476 | Schultz, Otto W. | June 18, 1893 | Graduate | Williams | Alden | Dec. 26, 1895 | |

ABSTRACT

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|------------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|----------|
| 4514 | Sbriner, Frank S. | Sept. 5, 1893 | By examination. | Fairfield. | | | |
| 4518 | Shuey, James F. | Sept. 5, 1893 | By examination. | Jefferson. | | | |
| 4527 | Schroeder, Frank | Oct. 3, 1893 | By examination. | Atlantic | Manning | Oct. 20, 1898 | |
| 4530 | Sells, Frank W. | Oct. 3, 1893 | By examination. | Murray. | | | |
| 4544 | Seamans, E. D. | Oct. 24, 1893 | By examination. | Van Hurne. | Jefferson. | Feb. 4, 1896 | |
| 4536 | Skilloon, W. M. | Oct. 31, 1893 | By examination. | Glenwood. | | | |
| 4541 | Smale, Herbert T. | Nov. 7, 1893 | By examination. | Kingsley | Sac City | Oct. 24, 1895 | |
| 4553 | Schrimer, Charles A. | Dec. 5, 1893 | By examination. | Moravia. | Sigourney | Nov. 24, 1894 | |
| 4554 | Sandberg, Lewis A. | Dec. 5, 1893 | By examination. | Stanton. | | | |
| 4550 | Swallow, George. | Dec. 19, 1893 | By examination. | Des Moines. | Grafton | Dec. 30, 1896 | |
| 4577 | Swallow, E. R. | Feb. 6, 1894 | By examination. | Hubbard. | | | |
| 4581 | Sloan, William C. | Feb. 6, 1894 | By examination. | Waterloo | Traer | Oct. 7, 1897 | |
| 4528 | Shaul, A. | April 3, 1894 | By examination. | Le Mars. | Alton | Sept. 25, 1894 | |
| 4528 | Sanderson, J. P. | April 3, 1894 | By examination. | Bloomfield. | | | |
| 4528 | Steva, H. G. | April 17, 1894 | By examination. | Earlville. | Delhi | May 15, 1894 | |
| 4641 | Shreyes, George W. | April 24, 1894 | By examination. | Bevilston. | St Charles | Aug. 21, 1894 | |
| 4645 | Sutter, Joseph E. | June 12, 1893 | By examination. | Burlington. | Armstrong. | Jan. 2, 1895 | |
| 4622 | Stockwell, C. W. | June 5, 1894 | By examination. | Bancroft. | | | |
| 4625 | Sargent, Frank L. | June 5, 1894 | By examination. | Marion. | | | |
| 4672 | Spotts, S. Walter. | June 5, 1894 | By examination. | Le Mars. | | | |
| 4673 | Schoofs, S. J. | June 5, 1894 | By examination. | Remsen. | | | |
| 4670 | Steele, Frank R. | June 5, 1894 | By examination. | Belle Plaine | Des Moines. | June 18, 1895 | |
| 4698 | Smith, W. C. | July 3, 1894 | By examination. | Lake Park. | | | |
| 4697 | Schultz, W. B. | July 23, 1894 | By examination. | Williams. | | | |
| 4717 | Smith, Edgar F. | Sept. 4, 1894 | By examination. | Monticello | Belle Plaine | Sept. 7, 1899 | |
| 4718 | Sorensen, P. E. | Sept. 4, 1894 | By examination. | Lake Mills. | | | |
| 4737 | Smith, W. A. | Sept. 12, 1894 | By examination. | Garrison | Winthrop | Mar. 20, 1899 | |
| 4741 | Snider, W. C. | Sept. 4, 1894 | By examination. | Meriden | Tama | Mar. 15, 1897 | |
| 4756 | Stephenson, George E. | Mar. 8, 1893 | By examination. | Webster. | Eddyville | Oct. 2, 1894 | |
| 4757 | Shuggart, N. W. | Sept. 12, 1894 | By examination. | Elberton. | | | |
| 4784 | Smith, Frank N. | Dec. 4, 1894 | By examination. | Sioux City. | | | |
| 4789 | Salmon, H. M. | Dec. 3, 1894 | By examination. | Fort Madison. | Burlington | June 24, 1899 | |
| 4792 | Stalford, George A. | Dec. 22, 1894 | By examination. | Graduate. | Latimer | Aug. 19, 1895 | |
| 4796 | Soper, George M. | Jan. 7, 1895 | By examination. | Sioux City. | | | |
| 4803 | Stauffer, William F. | Dec. 12, 1893 | By examination. | Sioux City. | Gladbrook | Aug. 13, 1897 | |
| 4820 | Shores, George A. | Feb. 5, 1895 | By examination. | Waterloo. | | | |
| 4826 | Sherrard, Leslie W. O. | Mar. 5, 1895 | By examination. | Sac City. | | | |
| 4827 | Spaulding, Joe | Mar. 8, 1895 | By examination. | Council Bluffs. | Leon | Sept. 23, 1898 | |
| 4837 | Stanley, William C. | Mar. 7, 1895 | By examination. | Dexter. | | | |
| 4840 | Stovel, John M. | Mar. 7, 1895 | By examination. | Cedar Rapids. | Nevada | Oct. 16, 1895 | |
| 4874 | Snuttleworth, E. W. | Mar. 7, 1895 | By examination. | Des Moines. | Sexton | Mar. 18, 1897 | |
| 4880 | Spencer, Harry D. | Mar. 7, 1895 | By examination. | Bole | | | |
| 4883 | Seaight, Frank | Mar. 7, 1895 | Graduate. | Odebolt. | | | |
| 4908 | Smith, Roy B. | Aug. 6, 1895 | By examination. | Bradgate. | Corwith | May 2, 1896 | |
| 4911 | Severin, A. L. | Aug. 6, 1895 | By examination. | Eagle Grove. | | | |
| 4914 | Smith, Edw. E. | Aug. 6, 1895 | By examination. | Sioux Rapids. | | | |
| 4919 | Strauss, Carl | Aug. 6, 1895 | By examination. | Sioux City. | | | |
| 4923 | Schwartz, W. A. | Aug. 6, 1895 | By examination. | Waverly. | Madrid | Jan. 9, 1896 | |
| 4944 | Stelner, A. J. | Nov. 12, 1895 | By examination. | Das Moines. | | | |
| 4949 | Sanders, C. R. | Dec. 3, 1895 | By examination. | Montrose. | | | |
| 4957 | Sawyer, Eva | Dec. 17, 1895 | By examination. | Calamus. | | | |
| 4963 | Sanders, C. W. | Jan. 7, 1896 | By examination. | Manley. | | | |
| 4971 | Smith, W. H. | Jan. 7, 1896 | By examination. | Greenfield. | Garner | May 21, 1896 | |
| 4972 | Spobr, T. E. | Jan. 7, 1896 | By examination. | Mason City. | Marble Rock | June 10, 1897 | |
| 4989 | Speeding, Floyd | Feb. 4, 1896 | By examination. | Churdan. | Bayard. | Nov. 14, 1896 | |
| 4987 | Smith, H. M. | Feb. 4, 1896 | By examination. | Marshalltown. | | | |
| 5000 | Sorensen, Hans | Feb. 7, 1896 | By examination. | Wapello. | | | |
| 5001 | Shipman, E. D. | Mar. 3, 1896 | By examination. | Gladbrook. | | | |
| 5011 | Smith, L. B. | Mar. 3, 1896 | Graduate. | Prairie City. | Bristow | Sept. 2, 1896 | |
| 5018 | Snoko, J. P. | Mar. 11, 1896 | By examination. | Waterloo. | | | |
| 5023 | Steezy, J. W. | Mar. 17, 1896 | By examination. | Hillsboro. | Garwin | June 28, 1898 | |
| 5031 | Snutz, W. A. | April 7, 1896 | By examination. | Hubbard | | | |
| 5046 | Swallow, H. U. | April 21, 1896 | By examination. | Sauborn. | | | |
| 5065 | Shaffner | May 5, 1896 | By examination. | Waterloo | Dumont | Jan. 17, 1899 | |
| 5070 | Stasly, J. H. | May 5, 1896 | By examination. | Eldon | Leando | Oct. 7, 1898 | |
| 5076 | Sloan, J. A. | May 5, 1896 | By examination. | Eldora | Swea City | July 20, 1897 | |
| 5077 | Simpson, G. A. | May 5, 1896 | By examination. | Decorah. | Maxwell | April 16, 1898 | |
| 5078 | Sorensen, A. J. | May 5, 1896 | By examination. | Nevada. | | | |
| 5080 | Sternberg, Walter | July 7, 1896 | By examination. | Squart. | | | |
| 5113 | Shuttleworth, E. H. | July 7, 1896 | By examination. | Eldora | Portsmouth | May 18, 1898 | |
| 5105 | Story, C. P. | Aug. 4, 1896 | By examination. | Cumberland | Perry | Mar. 10, 1899 | |
| 5125 | Starr, G. A. | Sept. 1, 1896 | By examination. | Garner | | | |
| 5128 | Scarr, H. A. | Sept. 1, 1896 | By examination. | Cherokee. | | | |
| 5145 | Snow, Madida B. | Oct. 6, 1896 | By examination. | Moville. | | | |
| 5156 | Schuster, G. W. | Nov. 10, 1896 | By examination. | Forest City. | Britt | June 21, 1899 | |
| 5169 | Southwick, M. E. | Jan. 7, 1896 | By examination. | Massena. | | | |
| 5189 | Sarset, W. F. | April 2, 1895 | By examination. | Des Moines. | Knoxville | Mar. 22, 1897 | |
| 5181 | Snelson, P. B. | Feb. 2, 1897 | By examination. | Pleasantville. | | | |
| 5193 | Shaw, Harry A. | Feb. 2, 1897 | By examination. | Riceville. | | | |
| 5194 | Shadle, F. S. | Feb. 2, 1897 | By examination. | Sheldon. | | | |
| 5197 | Smith, G. J. | Feb. 2, 1897 | By examination. | Aton | Montezuma | Feb. 11, 1899 | |
| 5199 | Shipley, L. U. | Feb. 2, 1897 | By examination. | Swea City. | Manilla | Mar. 14, 1899 | |
| 5205 | Shields, W. M. | Mar. 2, 1897 | By examination. | Sheldon. | | | |
| 5218 | Saunders, H. A. | Mar. 2, 1897 | By examination. | Des Moines. | | | |
| 5222 | Shipley, Henry | April 6, 1897 | By examination. | | | | |
| 5244 | Stroud, P. E. | April 6, 1897 | By examination. | | | | |

ABSTRACT—CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|---------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|----------|
| 5345 | Smith, A. M. | April 6, 1897 | By examination | Waukon | | | |
| 5354 | Specht, A. R. | April 6, 1897 | By examination | McGregor | Titonka | Dec. 26, 1898 | |
| 5359 | Seaton, S. H. | April 6, 1897 | By examination | Maloy | Delphos | Aug. 14, 1899 | |
| 5361 | Schulte, J. F. | May 4, 1897 | By examination | Victor | | | |
| 5362 | Shultz, George | May 4, 1897 | By examination | Cumberland | | | |
| 5378 | Shockley, Ned | June 1, 1897 | By examination | Randolph | Red Oak | May 2, 1898 | |
| 5385 | Scheu, L. C. | July 6, 1897 | By examination | Stacyville | Templeton | Sept. 26, 1898 | |
| 5325 | Southward, H. A. | Sept. 7, 1897 | By examination | Le Claire | | | |
| 5327 | Spain, R. T. | Sept. 7, 1897 | Graduate | Des Moines | Newtow | April 25, 1898 | |
| 5338 | Speers, J. C. | Oct. 5, 1897 | By examination | Vinton | | | |
| 5350 | Struble, A. J. | Nov. 4, 1897 | By examination | Akron | | | |
| 5353 | Shultz, O. S. | Nov. 2, 1897 | By examination | Lake Park | | | |
| 5354 | Shellaberger, E. P. | Nov. 9, 1898 | By examination | Columbus Junction | | | |
| 5384 | Smith, L. C. | Feb. 1, 1898 | By examination | Manchester | Lost Nation | | |
| 5399 | Skelley, P. B. | Feb. 1, 1898 | By examination | Manchester | | | |
| 5419 | Storey, G. W. | Mar. 1, 1898 | By examination | Manchester | | | |
| 5420 | Shilley, G. F. | Mar. 1, 1898 | By examination | Missouri Valley | | | |
| 5422 | Shaw, F. W. | Mar. 1, 1898 | By examination | Monroe | | | |
| 5445 | Sylvester, V. W. | April 5, 1898 | By examination | Battle Creek | | | |
| 5446 | Stiles, W. H. | April 5, 1898 | By examination | Garden Grove | | | |
| 5447 | Scott, R. W. | April 5, 1898 | By examination | Des Moines | Lakesburg | Sept. 19, 1898 | |
| 5452 | Sigworth, M. P. Jr. | April 5, 1898 | By examination | Anamosa | | | |
| 5467 | Schroeder, R. E. | April 5, 1898 | By examination | Garnaville | | | |
| 5471 | Smith, F. L. | April 6, 1898 | By examination | Des Moines | | | |
| 5504 | Stork, H. C. | June 7, 1898 | By examination | Sheffield | | | |
| 5507 | Smith, H. P. | June 7, 1898 | By examination | Lime Springs | | | |
| 5510 | Shields, J. S. | April 5, 1898 | By examination | Decatur City | | | |
| 5519 | Striegel, J. P. | July 7, 1898 | Graduate | Waterloo | Ryan | May 9, 1899 | |
| 5523 | Scott, E. N. | July 27, 1898 | Graduate | Oscola | | | |
| 5527 | Schiller, Edgar | July 7, 1898 | By examination | Ames | Logan | Nov. 23, 1898 | |
| 5543 | Spring, E. E. | Aug. 3, 1898 | Graduate | Des Moines | Ames | July 25, 1899 | |
| 5546 | Shumaker, J. L. | Aug. 3, 1898 | Graduate | Des Moines | | | |
| 5547 | Suby, J. J. | Aug. 3, 1898 | Graduate | Forest City | | | |
| 5549 | Spring, Frank | Aug. 3, 1898 | Graduate | Corning | | | |
| 5550 | Sheppard, S. H. | Aug. 3, 1898 | Graduate | Mt. Pleasant | | | |
| 5574 | Smith, D. L. | Sept. 6, 1898 | By examination | Madrid | | | |
| 5579 | Stevenson Archie | Oct. 4, 1898 | Graduate | Des Moines | Tripoli | Nov. 9, 1898 | |

TENTH BIENNIAL REPORT OF THE

| | | | | | | | |
|------|---------------------------|----------------|----------------|-------------------|----------------|----------------|------------------|
| 5559 | Smith, F. C. | Nov. 1, 1898 | Graduate | Bancroft | | | |
| 5598 | Snyder, C. J. | Dec. 6, 1898 | Graduate | Aurelia | Superior | Mar. 9, 1899 | |
| 5606 | Stonkes, E. R. | Dec. 6, 1898 | By examination | Traer | | | |
| 5607 | Smith, G. F. | Dec. 6, 1898 | By examination | Eldora | Linden | Mar. 9, 1899 | |
| 5608 | Strauser, M. P. | Dec. 6, 1898 | By examination | Raymond | | | |
| 5609 | Stevens, Lois M. | Jan. 3, 1899 | By examination | Montour | | | |
| 5616 | Stahl, A. E. | Jan. 3, 1899 | By examination | Bancroft | | | |
| 5618 | Smith, C. W. | Jan. 3, 1899 | By examination | Burlington | | | |
| 5626 | Shipman, C. V. | Jan. 3, 1899 | By examination | Columbus Junction | North McGregor | July 8, 1899 | |
| 5624 | Stoehr, G. L. | Mar. 7, 1899 | Graduate | Elgin | | | |
| 5639 | Selleck, E. C. | Mar. 7, 1899 | By examination | Onawa | | | |
| 5645 | Shipley, E. P. | Mar. 7, 1899 | By examination | Osgoyn | | | |
| 5650 | Smith, Channing | Mar. 7, 1899 | Graduate | Des Moines | Harper | April 11, 1899 | |
| 5655 | Stolte, F. L. | Mar. 7, 1899 | Graduate | Newton | | | |
| 5659 | Shaunloeffel, Berencie M. | April 4, 1899 | By examination | Iowa City | Des Moines | | |
| 5673 | Simenst, d. M. O. | April 29, 1899 | Graduate | Morning Sun | | | |
| 5679 | Swan, W. C. | May 6, 1899 | Graduate | Marble Rock | | | |
| 5683 | Speedling, E. W. | May 6, 1899 | Graduate | Des Moines | | | |
| 5685 | Severin, J. C. | May 2, 1899 | By examination | Manly | | | |
| 5700 | Sanders, W. O. | June 6, 1899 | Graduate | Cascade | | | |
| 5710 | Schnier, J. V. | June 6, 1899 | Graduate | Tama | | | |
| 5721 | Soeman, F. A. | July 6, 1899 | Graduate | Sioux City | | | |
| 5730 | Serr, F. L. | July 6, 1899 | Graduate | Dubuque | | | |
| 5734 | Scott, J. McDonald | July 6, 1899 | By examination | Cedar Rapids | | | |
| 5743 | Svoboda, Cyril | July 6, 1899 | By examination | Manning | | | |
| 5780 | Schelldorf, W. D. | Aug. 1, 1899 | By examination | Farago | | | |
| 188 | Trullinger, W. B. | June 9, 1880 | As owner | Dubuque | | | |
| 227 | Thorman, G. F. | June 5, 1880 | As assistant | Dubuque | Central City | June 17, 1890 | |
| 431 | Torbert, W. H. | June 4, 1880 | As owner | Earlham | | | |
| 498 | Tracblood, John | June 4, 1880 | As owner | Greenfield | | | |
| 623 | Toague, Albert E. | June 3, 1880 | As owner | Independence | | | |
| 656 | Tabor, B. W. | June 9, 1880 | As owner | Nashua | | | Out of business. |
| 928 | Troy, Samuel S. | June 9, 1880 | As owner | Ottumwa | | | |
| 1065 | Taylor, Charles O. | June 16, 1880 | As owner | Victor | | | |
| 1319 | Toovey, William | June 4, 1880 | As owner | Webster City | | | |
| 1384 | Teesd, George W. | June 7, 1880 | As principal | Newton | | | |
| 1664 | Thompson, J. C. | July 30, 1880 | By examination | Ottumwa | | | |
| 1703 | Thoma, Louis | Aug. 2, 1880 | By examination | Fairfield | | | |
| 1731 | Tower, Hanshal | Sept. 17, 1880 | As assistant | Fort Atkinson | | | |
| 1783 | Treat, Joseph A. | July 20, 1880 | By examination | Stuart | | | |
| 1851 | Thomas, Camp | Sept. 2, 1880 | By examination | Fort Madison | | | |
| 1867 | True, C. E. | Sept. 2, 1880 | By examination | Geneva | | | |
| 1896 | Tild, C. H. | Sept. 2, 1880 | By examination | Avoca | | | |
| 1942 | Tiarks, Herman | Sept. 2, 1880 | By examination | Monticello | | | |
| 2124 | Trotter, W. E. | May 17, 1881 | By examination | Newton | Valeria | June 14, 1897 | |
| 2474 | Thompson, E. O. | June 6, 1882 | By examination | Marne | Walnut | Oct. 11, 1898 | |
| 2500 | Thompson, C. H. | July 17, 1882 | By examination | Northwood | | | In Omaha, Neb. |
| 2518 | Thorson, Nels | July 20, 1882 | By examination | Lenox | | | |
| 2563 | Tyler, Oscar D. | Feb. 22, 1883 | By examination | Greenacastle | Colfax | Nov. 22, 1884 | |
| 2566 | Turner, L. C. S. | July 3, 1883 | By examination | | | | |

COMMISSIONERS OF PHARMACY

ABSTRACT-CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|---------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|----------|
| 2763 | Thompson, A. O. | June 17, 1884 | By examination. | Des Moines. | Wapello. | Mar. 16, 1893 | |
| 2768 | Tobey, E. F. | May 26, 1884 | By examination. | Green Mountain. | Des Moines. | June 29, 1886 | |
| 3268 | Thomas, J. C. | June 21, 1887 | By examination. | What Cheer. | Muchakinock. | Aug. 5, 1897 | |
| 3271 | Tornblom, A. L. | June 30, 1887 | By examination. | Boone. | | | |
| 3297 | Thompson, R. K. | Aug. 16, 1887 | By examination. | Nevada. | Linden. | April 21, 1899 | |
| 3416 | Tobin, Hazael. | Mar. 19, 1888 | By examination. | Winterset. | | | |
| 3439 | Thompson, E. T. | Mar. 20, 1888 | By examination. | Audubon. | Sioux City. | Jan. 7, 1889 | |
| 3487 | Taylor, James F. | July 3, 1888 | By examination. | Salix. | | | |
| 8490 | Thomas, C. E. | July 17, 1888 | By examination. | Williamsburg. | Harper. | April 1, 1891 | |
| 3506 | Talbot, J. H. | Aug. 21, 1888 | By examination. | Castana. | | | |
| 3511 | Taylor, L. M. | Aug. 27, 1888 | By examination. | Fredericksburg. | | | |
| 3646 | Thelander, C. O. | April 18, 1889 | By examination. | Sioux City. | | | |
| 3698 | Tainter, E. B. | Aug. 3, 1889 | By examination. | Oelwein. | | | |
| 3714 | Thormann, A. W. | Aug. 20, 1889 | By examination. | Dubuque. | Carroll. | Mar. 2, 1897 | |
| 8724 | Teefey, David. | Sept. 3, 1889 | By examination. | Anthon. | | | |
| 3735 | Toogood, Charles C. | Sept. 17, 1889 | By examination. | Iowa Falls. | | | |
| 3945 | Tipton, W. L. | Oct. 7, 1890 | By examination. | Collins. | | | |
| 3980 | Toovey, Fred A. | Jan. 29, 1891 | By examination. | Victor. | Aurora. | Sept. 30, 1896 | |
| 4088 | Traverse, C. C. | July 7, 1891 | By examination. | Bloomfield. | Dedham. | April 23, 1893 | |
| 4147 | Tyler, M. G. | Nov. 28, 1891 | By examination. | Goldfield. | | | |
| 4191 | Twiford, L. O. | Mar. 1, 1892 | By examination. | Spirit Lake. | | | |
| 4194 | Taylor, Harry E. | Mar. 2, 1892 | By examination. | Creston. | Garner. | Nov. 5, 1897 | |
| 4360 | Talbot, A. D. | Jan. 10, 1893 | By examination. | Brooklyn. | Ottumwa. | Feb. 4, 1897 | |
| 4358 | Thomas, Charles J. | Jan. 9, 1893 | By examination. | Des Moines. | Brooklyn. | June 1, 1895 | |
| 4377 | Taylor, C. W. | Feb. 2, 1893 | By examination. | Carroll. | Cambridge. | Aug. 27, 1895 | |
| 4381 | Thoma, John M. | Jan. 31, 1893 | By examination. | Postville. | Mondamin. | May 21, 1895 | |
| 4440 | Taylor, Olin R. | April 4, 1893 | Graduate. | Waterloo. | | | |
| 4473 | Torrence, J. D. | June 7, 1893 | By examination. | Kamrar. | | | |
| 4496 | Thurlmann, Ed. | Aug. 1, 1893 | By examination. | Carroll. | | | |
| 4564 | Toole, Charles O. | Jan. 2, 1894 | By examination. | Estherville. | | | |
| 4668 | Thompson, Joseph. | June 5, 1894 | By examination. | Sioux City. | | | |
| 4682 | Taylor, James L. | June 26, 1894 | By examination. | Greenfield. | | | |
| 4711 | Tatman, Pearl J. | Aug. 9, 1894 | By examination. | Centerville. | Adel. | Aug. 27, 1897 | |
| 4749 | Tobey, Charles S. | Oct. 2, 1894 | By examination. | Des Moines. | | | |
| 4781 | Thome, Matt L. | Dec. 4, 1894 | By examination. | Dubuque. | | | |
| 4795 | Trueblood, W. A. | Jan. 1, 1895 | By examination. | Dubuque. | Gilmore City. | May 11, 1897 | |
| 4865 | Trumbull, Lucius. | April 9, 1894 | By examination. | Central City. | Adair. | July 19, 1899 | |

| | | | | | | | |
|------|----------------------|----------------|-----------------|-----------------|-------------|----------------|--|
| 4906 | Talbot, Thomas. | July 16, 1895 | By examination. | Des Moines. | | | |
| 4986 | Tabler, E. F. | Oct. 1, 1895 | By examination. | Colfax. | | | |
| 4988 | Tapper, W. J. | Feb. 4, 1896 | By examination. | Monona. | Rowley. | Mar. 9, 1898 | |
| 5010 | Thurlmann, Leo. | Mar. 3, 1896 | By examination. | Carroll. | | | |
| 5061 | Tiss, G. I. | April 21, 1896 | By examination. | Corwith. | Luverne. | July 6, 1897 | |
| 5100 | Todd, G. A. | June 22, 1896 | Graduate. | Murray. | | | |
| 5107 | Trumbull, Mrs. I. F. | July 7, 1896 | By examination. | Adair. | | | |
| 5185 | Thomas, F. H. | Jan. 5, 1897 | By examination. | Wyoming. | | | |
| 5186 | Ternes, G. W. | Jan. 5, 1897 | By examination. | Dubuque. | | | |
| 5192 | Tisdale, W. H. | Jan. 14, 1897 | By examination. | State Center. | Olin. | Dec. 18, 1897 | |
| 5201 | Teuscher, David. | Feb. 2, 1897 | By examination. | Victor. | Keota. | Sept. 17, 1897 | |
| 5238 | Trumbull, E. J. | April 6, 1897 | By examination. | Union. | | | |
| 5239 | Twining, E. Leroy. | April 6, 1897 | By examination. | Des Moines. | | | |
| 5296 | Todd, J. A. | July 6, 1897 | By examination. | Waterloo. | | | |
| 5297 | Thomas, J. J. | July 6, 1897 | By examination. | Whiting. | | | |
| 5298 | Thoma, S. R. | July 6, 1897 | By examination. | Fairfield. | | | |
| 5340 | Thomas, O. W. | Oct. 5, 1897 | By examination. | Des Moines. | Randolph. | April 30, 1898 | |
| 5365 | Tobin, C. P. S. | Dec. 7, 1897 | By examination. | Osage. | Eldora. | May 26, 1899 | |
| 5439 | Taylor, J. B. | April 5, 1898 | By examination. | Centerville. | | | |
| 5483 | Tague, Marion S. | Mar. 31, 1898 | Graduate. | Vinton. | Urbana. | Mar. 9, 1899 | |
| 5491 | Tubbs, H. S. | May 3, 1898 | By examination. | Glenwood. | | | |
| 5500 | Treat, J. W. | June 7, 1898 | By examination. | Charles City. | | | |
| 5508 | Tillson, F. W. | June 7, 1898 | By examination. | Des Moines. | | | |
| 5548 | Trimble, Rose E. | Aug. 3, 1898 | Graduate. | Albia. | Indianola. | Mar. 21, 1899 | |
| 5625 | Titus, W. W. | Jan. 3, 1899 | By examination. | Marshalltown. | Hawarden. | Aug. 3, 1899 | |
| 5696 | Thomas, B. C. | May 2, 1899 | By examination. | Wyoming. | Aurora. | July 15, 1899 | |
| 5699 | Thompson, E. T. | May 2, 1899 | By examination. | Des Moines. | | | |
| 5737 | Talty, N. A. | July 6, 1899 | Graduate. | Waterloo. | | | |
| 5769 | Tyndale, G. S. | Aug. 1, 1899 | Graduate. | Des Moines. | | | |
| 5971 | Tate, Clara L. | Aug. 1, 1899 | Graduate. | Des Moines. | | | |
| 5779 | Teeters, W. J. | Aug. 1, 1899 | Graduate. | Iowa City. | | | |
| 994 | Udell, A. S. | June 18, 1880 | As owner. | Ottumwa. | | | |
| 3023 | Underwood, Poe. | June 2, 1886 | By examination. | Des Moines. | Birmingham. | Jan. 10, 1896 | |
| 4616 | Ullum, S. A. | April 3, 1894 | By examination. | Vinton. | | | |
| 4739 | Ulber, M. | Sept. 18, 1894 | By examination. | Dubuque. | | | |
| 4813 | Underwood, William. | Feb. 5, 1895 | By examination. | Elkader. | Dexter. | June 25, 1897 | |
| 5585 | Updegraff, S. L. | Oct. 4, 1898 | By examination. | Des Moines. | What Cheer. | Dec. 2, 1898 | |
| 5590 | Uhrus, F. W. | Nov. 1, 1898 | Graduate. | Burlington. | | | |
| 294 | Van Meter, James G. | June 4, 1880 | As owner. | Belle Plaine. | | | |
| 827 | Van Cise, Isaac P. | June 3, 1880 | As owner. | Mount Pleasant. | | | |
| 977 | Vittetoe, Hiram C. | July 6, 1880 | As principal. | Harper. | | | |
| 2047 | Van Ness, Isaac T. | Jan. 17, 1881 | By examination. | Minden. | Neola. | Mar. 7, 1891 | |
| 2323 | Van Werden, L. | Jan. 27, 1882 | By examination. | Leon. | | | |
| 2357 | Van Leuven, G. M. | Feb. 21, 1882 | By examination. | Lime Springs. | | | |
| 2851 | Varner, T. H. | April 7, 1885 | By examination. | Angus. | Des Moines. | April 6, 1897 | |
| 3391 | Vincent, William A. | Feb. 21, 1888 | By examination. | Belle Plaine. | | | |
| 3574 | Vincent, George J. | Jan. 2, 1889 | Graduate. | Sac City. | Oskaloosa. | Mar. 21, 1890 | |
| 3592 | Van Auddall, G. M. | Feb. 5, 1889 | By examination. | New London. | | | |
| 3675 | Vance, J. E. | June 11, 1889 | By examination. | Scranton. | Gowrie. | Oct. 30, 1895 | |
| 4065 | Vanderly, John. | May 8, 1891 | By examination. | Leon. | Humeston. | Dec. 7, 1898 | |

| Number of certificates. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|-------------------------|-------------------------|-----------------------|---------------------|------------------------|--------------------------|----------------------|------------------|
| 4136 | Vail, Ed Morris..... | Nov. 10, 1891 | By examination..... | Marshalltown. | | | |
| 4583 | Vatch, E. J..... | Feb. 8, 1894 | By examination..... | Des Moines. | | | |
| 4512 | Van Sickle, Clark..... | Feb. 5, 1893 | By examination..... | Scranton..... | Callender..... | Mar. 24, 1898 | |
| 4899 | Vickers, Will..... | Mar. 7, 1895 | By examination..... | Oakalocosa..... | New Sharon..... | Aug. 12, 1895 | |
| 4993 | Vosburg, Paul E..... | April 2, 1894 | By examination..... | Granville..... | | | |
| 5072 | Van Delden, Egbert..... | May 5, 1896 | By examination..... | Clinton..... | | | |
| 5073 | Valerius, Matt..... | May 5, 1896 | By examination..... | Harper..... | Keota..... | Feb. 12, 1899 | |
| 5074 | Vosmek, J. H..... | May 5, 1896 | By examination..... | Cedar Rapids..... | | | |
| 5153 | Voys, G. L..... | Oct. 6, 1896 | By examination..... | Renwick..... | Ottosen..... | Nov. 14, 1896 | |
| 5172 | Vogel, H. A..... | Dec. 1, 1893 | By examination..... | Storm Lake..... | | | |
| 5274 | Vrooman, F. E..... | May 15, 1897 | Graduate..... | Cedar Falls..... | | | |
| 5497 | Vood, Dick..... | Aug. 20, 1895 | By examination..... | Aplington..... | | | |
| 5531 | Varnum Ray..... | Aug. 3, 1898 | Graduate..... | Des Moines..... | Burt..... | Oct. 21, 1898 | |
| 5732 | Vickers, Grant..... | July 18, 1899 | By examination..... | Inwood..... | | | |
| 40 | Webb, John B..... | June 4, 1890 | As owner..... | Des Moines..... | | | |
| 76 | Walgamot, A. R..... | June 7, 1890 | As owner..... | Fairbank..... | Webster City..... | Mar. 28, 1894 | |
| 308 | Welsh, George H..... | June 19, 1880 | As owner..... | Boone..... | | | |
| 223 | Welton, Hiram..... | June 7, 1880 | As owner..... | Burlingville..... | | | |
| 237 | Wilken, R. D..... | June 4, 1880 | As owner..... | Atlantic..... | | | |
| 403 | Wellman, Z. A..... | June 4, 1880 | As owner..... | Cherokee..... | | | |
| 404 | Wise, C. A..... | June 4, 1880 | As owner..... | Cedar Falls..... | | | |
| 411 | Wilson, L. L..... | June 5, 1880 | As owner..... | Center Point..... | | | |
| 415 | Walker, S. B..... | June 23, 1880 | As owner..... | Calamus..... | | | |
| 450 | Wunderlich, G. W..... | June 5, 1880 | As assistant..... | Dubuque..... | | | |
| 528 | Walker, William A..... | June 28, 1880 | As owner..... | Alnsworth..... | | | |
| 536 | Wolfgang, A. J..... | June 18, 1880 | As assistant..... | Emmetsburg..... | | | |
| 608 | Ward, Joseph A..... | June 10, 1880 | As owner..... | Gilman..... | | | |
| 607 | Ward, William J..... | June 10, 1880 | As owner..... | Gilman..... | | | |
| 630 | Williamson, W. R..... | June 4, 1880 | As owner..... | Hopkinton..... | | | |
| 632 | Worth, Fordyce..... | June 11, 1880 | As owner..... | Hesper..... | | | |
| 615 | Woodruff, M. W..... | June 9, 1880 | As owner..... | Knoxville..... | | | |
| 139 | Welsler, Erasmus F..... | June 18, 1880 | As owner..... | Desrah..... | | | Out of business. |
| 811 | Weller, William L..... | June 3, 1880 | As owner..... | Cedar Rapids..... | | | |
| 881 | Wood, Annie L..... | June 8, 1880 | As assistant..... | McGregor..... | Des Moines..... | | |
| 927 | Weaver, A. R..... | June 20, 1880 | As owner..... | Chapin..... | Bristow..... | May 12, 1896 | |
| 948 | Wilson, O. B..... | June 7, 1880 | As assistant..... | Northwood..... | | | |
| 979 | Ward, C. H..... | July 6, 1880 | As owner..... | Des Moines..... | Clarinda..... | Mar. 26, 1896 | |
| 880 | Ward, Milo W..... | June 29, 1880 | As owner..... | Des Moines..... | | | |
| 1047 | Willis, Arthur E..... | June 3, 1880 | As assistant..... | Perry..... | | | |
| 1092 | Wilson, James B..... | June 9, 1880 | As assistant..... | Randolph..... | Bloomfield..... | Oct. 7, 1895 | |
| 1241 | Webster, J. C..... | June 3, 1880 | As assistant..... | Shenandoah..... | | | |
| 1398 | Wyman, J. H..... | June 16, 1880 | Graduate..... | Waterloo..... | St. Charles..... | June 7, 1899 | |
| 1338 | Wangler, C. D..... | June 16, 1880 | Graduate..... | Waterloo..... | | | |
| 1399 | Wangler, R. C..... | June 16, 1880 | Graduate..... | Waterloo..... | | | |
| 1372 | White, John H..... | July 16, 1880 | As assistant..... | Burlington..... | | | |
| 1436 | Weber, Henry G..... | July 16, 1880 | As assistant..... | Atlantic..... | | | |
| 1503 | Whetstone, J. H..... | July 23, 1880 | As owner..... | Iowa City..... | | | |
| 1555 | Wilson, J. H..... | Aug. 4, 1880 | As owner..... | New Virginia..... | | | |
| 1621 | Weeks, A. J..... | Aug. 4, 1880 | As owner..... | Correctionville..... | | | |
| 1671 | Watersheidt, C..... | July 31, 1880 | By examination..... | Carroll City..... | Halbur..... | May 8, 1886 | |
| 1683 | Wells, Willis C..... | Aug. 4, 1880 | By examination..... | Fairfield..... | Des Moines..... | Sept. 17, 1887 | |
| 1777 | Wright, George J..... | Oct. 12, 1880 | As owner..... | Waukeek..... | | | |
| 1837 | White, W. P..... | Sept. 27, 1880 | By examination..... | Volga City..... | | | |
| 1930 | Wilson, A. C..... | Oct. 28, 1880 | By examination..... | Oelwein..... | | | |
| 1857 | Woodbridge, M. L..... | Nov. 12, 1880 | By examination..... | Nashua..... | | | |
| 1984 | Westbrook, M. H..... | Dec. 12, 1880 | By examination..... | Lyons..... | | | |
| 2094 | Wood, Dexter L..... | Feb. 21, 1881 | By examination..... | Strawberry Point..... | Waterloo..... | Sept. 1, 1891 | |
| 2203 | Wright, W. M..... | Sept. 25, 1881 | By examination..... | Keota..... | Correctionville..... | Jan. 23, 1893 | |
| 2207 | Westbrook, C. H..... | Aug. 30, 1881 | By examination..... | Arcadia..... | Manilla..... | Feb. 20, 1895 | |
| 2222 | Waight, William F..... | Sept. 26, 1881 | By examination..... | Lenox..... | Leon..... | Mar. 12, 1897 | |
| 3278 | Wilson, M. G..... | Nov. 14, 1881 | By examination..... | Oelwein..... | Estherville..... | Mar. 24, 1891 | |
| 2496 | Wentworth, E. G..... | June 12, 1888 | By examination..... | Centerville..... | Centerville..... | Aug. 21, 1893 | |
| 2606 | Webb, Vernon S..... | April 17, 1883 | By examination..... | Eldora..... | Oelwein..... | May 6, 1893 | |
| 2616 | Wheaton, Charles..... | April 30, 1883 | By examination..... | Davenport..... | | | In Illinois. |
| 2947 | Ward, Perry..... | June 13, 1883 | By examination..... | Waverly..... | Central City..... | Sept. 8, 1893 | |
| 2656 | Wilder, John J..... | July 31, 1883 | By examination..... | Early..... | Kingsley..... | July 28, 1885 | |
| 2693 | Will, F. J..... | Nov. 5, 1883 | By examination..... | Jewell Junction..... | Eagle Grove..... | Dec. 2, 1885 | |
| 2746 | Wright, L. D..... | May 6, 1884 | By examination..... | Knoxville..... | | | |
| 2755 | Wobel, Theodor..... | May 6, 1884 | By examination..... | Mt. Pleasant..... | | | |
| 2825 | Waldburger, J. O..... | Jan. 3, 1888 | By examination..... | Lehigh..... | Fort Dodge..... | April 25, 1889 | |
| 2848 | White, Ira..... | Mar. 12, 1885 | By examination..... | Jamaica..... | Panora..... | | |
| 2832 | Wallace, A. H..... | April 7, 1885 | By examination..... | Independence..... | | | |
| 2859 | Wilson, J. E..... | April 8, 1885 | By examination..... | Ottumwa..... | | | |
| 2579 | Wyckoff, Will C..... | May 12, 1885 | By examination..... | Rock Rapids..... | | | |
| 2822 | Wachtel, Leo C..... | Oct. 4, 1886 | By examination..... | New Hampton..... | Elma..... | Mar. 2, 1887 | |
| 2686 | Wiley, Frank B..... | Mar. 2, 1886 | By examination..... | Marshalltown..... | | | |
| 3061 | Wasley, O. N..... | Mar. 19, 1886 | By examination..... | Newton..... | | | |
| 3090 | Wilhelm, Thomas F..... | April 29, 1886 | By examination..... | Fort Dodge..... | Audubon..... | Mar. 26, 1896 | |
| 3018 | Waterberry, D. D..... | June 25, 1886 | Graduate..... | Fayette..... | | | |
| 3019 | Witmer, Joseph W..... | July 9, 1886 | Graduate..... | Dubuque..... | | | |
| 3022 | Winchester, E. E..... | Oct. 19, 1886 | By examination..... | Eldora..... | | | |
| 3102 | Walker, F. S..... | Nov. 22, 1886 | By examination..... | Fayette..... | | | |
| 3134 | Williams, J. J..... | Feb. 16, 1887 | By examination..... | Peterson..... | | | |
| 3140 | Wetherell, F. D..... | Feb. 22, 1887 | By examination..... | Mason City..... | | | Out of business. |
| 3142 | West, Frank J..... | Mar. 2, 1887 | By examination..... | Hampton..... | | | In Florida. |
| 3150 | Wick, Rollin E..... | Mar. 15, 1887 | By examination..... | New Hartford..... | | | |
| 3168 | Whitney, E. F..... | Mar. 14, 1887 | By examination..... | Des Moines..... | | | |

ABSTRACT—CONTINUED.

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|-----------------------|-----------------------|-----------------|------------------------|--------------------------|----------------------|-----------------------------|
| 3186 | Willis, Frank | Mar. 29, 1887 | By examination | Perry, Lake View | Storm Lake | May 10, 1894 | Out of business. |
| 3187 | Walrod, Mrs. C. J. | Mar. 21, 1887 | By examination | Moravia | De Witt | Mar. 7, 1893 | |
| 3241 | Wills, D. H. | May 17, 1887 | By examination | De Witt | Rolfe | Mar. 7, 1893 | |
| 3248 | Webb, Charles M. | June 8, 1887 | By examination | Des Moines | Des Moines | | |
| 3254 | Woodman, J. W. | June 21, 1887 | By examination | Holstein | What Cheer | June 3, 1890 | |
| 3262 | Walker, John T. | Aug. 2, 1887 | By examination | Conrad | Van Horne | | |
| 3285 | Whaley, Samuel E. | Oct. 4, 1887 | By examination | Bellevue | Bellevue | | |
| 3326 | Wheeler, F. E. | Nov. 3, 1887 | By examination | Adair | Adair | | |
| 3342 | Wirth, Cyrillus | Feb. 7, 1888 | By examination | Russell | Russell | | |
| 3371 | Wishard, Samuel G. | Mar. 5, 1888 | Graduate | Kingsley | Des Moines | | |
| 3376 | Werts, Jacob L. | Jan. 23, 1888 | By examination | Des Moines | Chariton | Dec. 16, 1890 | |
| 3388 | Wilson, C. W. | April 3, 1888 | By examination | Corning | Corning | | Out of business. In Kansas. |
| 3411 | Wood, Frank F. | May 1, 1888 | By examination | Cott | Cott | | |
| 3433 | Whitlock, George E. | May 14, 1888 | By examination | Grinnell | Grinnell | | |
| 3431 | Widner, James | Aug. 8, 1888 | Graduate | Decorah | Decorah | | |
| 3455 | Wiggins, D. L. | Aug. 21, 1888 | By examination | West Liberty | West Liberty | June 27, 1890 | |
| 3468 | Wheaton, George R. | Sept. 4, 1888 | By examination | Mt. Airy | Clarion | Mar. 11, 1896 | |
| 3494 | Weiser, E. J. | Oct. 16, 1888 | By examination | Wagner | West Union | Mar. 9, 1893 | |
| 3508 | Wallender, Joseph | Nov. 19, 1888 | By examination | Clermont | Clermont | | |
| 3523 | Warren, R. C. | Nov. 23, 1888 | By examination | Sioux City | Sioux City | Aug. 20, 1897 | |
| 3543 | Welton, A. E. | Feb. 19, 1889 | By examination | Mt. Carmel | Mt. Carmel | | |
| 3555 | White, Fred W. | Feb. 19, 1889 | By examination | Conway | Conway | | |
| 3561 | Wasser, Lot E. | April 24, 1889 | By examination | Atton | Atton | | |
| 3603 | Wiewel, Joseph | May 2, 1889 | By examination | Oskaloosa | Oskaloosa | | |
| 3604 | Wright, Frank | May 27, 1889 | By examination | What Cheer | What Cheer | | |
| 3649 | Walker, L. M. | June 6, 1889 | By examination | McGregor | McGregor | | |
| 3650 | Wray, J. W. | Sept. 4, 1889 | By examination | Callippe | Hawarden | Mar. 10, 1893 | |
| 3655 | Williams, J. C. | Oct. 16, 1889 | By examination | Cambridge | Cambridge | Nov. 11, 1891 | |
| 3673 | Wood, George N. | Nov. 26, 1889 | By examination | Melbourne | Melbourne | | Out of business. |
| 3728 | Whitfield, Arthur | Jan. 7, 1890 | By examination | Hedrick | Hedrick | | |
| 3736 | Winfrey, R. H. | Feb. 18, 1890 | By examination | Kingsley | Kingsley | June 4, 1890 | |
| 3772 | Woodward, H. H. | Feb. 18, 1890 | By examination | Milo | Milo | | |
| 3796 | Weller, R. | Feb. 26, 1890 | By examination | Britt | Britt | | |
| 3820 | Wilson, C. L. | Mar. 4, 1890 | By examination | Ireton | Ireton | Mar. 10, 1891 | |
| 3823 | Wangh, Walter | | | | | | |
| 3835 | Way, Bayard O. | | | | | | |
| 3843 | Wilson, Lee S. | | | | | | |
| 3848 | Wray, Walter L. | Mar. 14, 1890 | By examination | Oskaloosa | Nevada | July 5, 1895 | |
| 3856 | Wilson, Frank D. | Mar. 18, 1890 | By examination | Keokuk | Keokuk | | |
| 3863 | Wilson, James B. | Mar. 31, 1890 | By examination | Marion | Marion | | |
| 3862 | Wyland, A. O. | Mar. 16, 1890 | By examination | Underwood | Underwood | | |
| 3909 | Wise, G. H. | July 15, 1890 | By examination | Des Moines | Des Moines | Mar. 14, 1898 | |
| 3940 | Waterbury, F. O. | Sept. 29, 1890 | By examination | Letts | Letts | | |
| 3944 | Wheeler, C. H. | Oct. 7, 1890 | By examination | Blencoe | Blencoe | | |
| 3946 | Weaver, A. J. | Oct. 7, 1890 | By examination | Letts | Letts | | |
| 3963 | Wagner, Oscar F. | Dec. 1, 1890 | By examination | Alden | Alden | | |
| 3986 | Walrath, R. B. | Feb. 4, 1891 | By examination | Brush Creek | Brush Creek | | |
| 4011 | West, William H. | Mar. 7, 1891 | By examination | Kellogg | Dallas Center | — J 1895 | |
| 4014 | Weaver, O. A. | Mar. 7, 1891 | By examination | Le Grande | Curlew | Sept. 6, 1896 | |
| 4033 | Walker, D. J. | April 15, 1891 | By examination | Fayette | Hawkeye | Sept. 10, 1891 | |
| 4049 | Williams, Jack | May 5, 1891 | By examination | Oskaloosa | Oskaloosa | | |
| 4056 | Williams, A. J. | May 8, 1891 | By examination | Odeboit | Odeboit | | |
| 4067 | Whaley, James A. | June 2, 1891 | By examination | What Cheer | What Cheer | | |
| 4083 | Williamson, O. M. | June 25, 1891 | By examination | Ladora | Ladora | | |
| 4130 | Wagner, A. | Oct. 29, 1891 | By examination | Cedar Rapids | Cedar Rapids | | |
| 4170 | Winchell, John E. | Feb. 2, 1892 | By examination | Malcom | Malcom | | |
| 4175 | Welch, John W. | Feb. 6, 1892 | By examination | Tipton | Tipton | | |
| 4214 | Walker, John C. | April 5, 1892 | By examination | New Market | New Market | | |
| 4216 | Whitlock, C. E. | April 7, 1892 | By examination | Des Moines | Chariton | Jan. 6, 1893 | |
| 4230 | Welrick, Harry A. | April 12, 1892 | By examination | Newton | Colfax | June 30, 1893 | |
| 4240 | Weber, John H. | June 7, 1892 | By examination | Cascade | Cascade | | |
| 4278 | Watson, Charles | July 29, 1892 | By examination | Vail | Vail | | |
| 4283 | Wangler, Joseph P. | Aug. 4, 1892 | Graduate | Waterloo | Waterloo | | |
| 4297 | Whitacre, J. O. | Sept. 6, 1892 | By examination | Webster City | Oxford | Nov. 23, 1897 | |
| 4341 | Waterbury, M. O. | Dec. 6, 1892 | By examination | Jewell Junction | Mason City | Nov. 3, 1896 | |
| 4347 | Woodard, Will O. | Jan. 4, 1893 | By examination | Marshalltown | Marshalltown | | |
| 4366 | Westbrook, Burr | Jan. 31, 1893 | By examination | Newton | Newton | | |
| 4399 | Willett, O. A. | Mar. 10, 1893 | Graduate | Scranton City | Harcourt | Dec. 13, 1897 | |
| 4418 | Wheeler, William B. | Mar. 8, 1893 | By examination | Council Bluffs | Council Bluffs | | |
| 4422 | Weener, Fred W. | April 4, 1893 | By examination | Bloomfield | Bloomfield | Mar. 10, 1894 | |
| 4447 | Wray, A. M. | May 2, 1893 | By examination | Smithland | Smithland | | |
| 4468 | Wendell, Ed. | June 6, 1893 | By examination | Bigourney | Bigourney | | |
| 4470 | Weller, William | June 6, 1893 | By examination | Foster | Foster | | |
| 4507 | Woodruff, W. J. | Aug. 31, 1893 | By examination | Ottumwa | Ottumwa | | |
| 4517 | Walker, George E. | Sept. 5, 1893 | By examination | Montezuma | Montezuma | | Out of business. |
| 4522 | Wilson, Dr. George W. | Sept. 28, 1893 | By examination | Cedar Rapids | Cedar Rapids | | |
| 4530 | Whellhan, J. Frank | Nov. 8, 1893 | Graduate | Fayette | Fayette | | |
| 4551 | Womeldorf, John M. | Dec. 5, 1893 | By examination | Marshalltown | Marshalltown | | |
| 4555 | Will, Edw. C. | Jan. 2, 1894 | By examination | Oskaloosa | Oskaloosa | | |
| 4566 | Wickerham, I. N. | Jan. 2, 1894 | By examination | Delmar | Delmar | | Out of business. |
| 4567 | Walrod, T. S. | Dec. 20, 1893 | By examination | De Witt | De Witt | | |
| 4568 | Williams, A. H. | April 3, 1894 | By examination | Mt. Pleasant | Mt. Pleasant | | |
| 4640 | Wilkins, J. S. | April 3, 1894 | By examination | New Hampton | New Hampton | | |
| 4656 | West, Jesse A. | June 5, 1894 | By examination | Greenfield | Greenfield | | |
| 4651 | Williams, Ed. E. | June 5, 1894 | By examination | Eboit | Eboit | | |
| 4666 | Walsh, Court B. | June 5, 1894 | By examination | Beacon | Beacon | | |
| 4670 | Williams, J. R. | June 5, 1894 | By examination | Larchwood | Redfield | Oct. 13, 1898 | |

| Number of certificate. | NAME. | DATE OF REGISTRATION. | HOW REGISTERED. | PLACE OF REGISTRATION. | LATEST REPORTED ADDRESS. | DATE OF LAST CHANGE. | REMARKS. |
|------------------------|----------------------|-----------------------|---------------------|------------------------|--------------------------|----------------------|----------|
| 4680 | Wiltz, J. H. | July 3, 1894 | By examination..... | Pomeroy. | | | |
| 4695 | Watts, J. F. | July 3, 1894 | By examination..... | Waterloo. | | | |
| 4703 | Wilson, W. E. | Aug. 7, 1894 | By examination..... | Rathven. | | | |
| 4770 | Wise, P. A. | Nov. 5, 1894 | By examination..... | Cedar Falls. | | | |
| 4774 | Warden, Harry E. | Nov. 17, 1894 | Graduate..... | Monroe. | Bonaparte..... | May 19, 1897 | |
| 4808 | Williams, S. H. | Jan. 22, 1895 | By examination..... | Estherville. | | | |
| 4821 | Westveer, Abraham M. | Feb. 5, 1895 | By examination..... | Eagle Grove. | Lake City..... | Mar. 23, 1897 | |
| 4850 | Wismer, Alvin E. | Mar. 26, 1895 | By examination..... | Sheldon. | George..... | Oct. 19, 1898 | |
| 4867 | Walrod, Guy L. | Mar. 26, 1894 | By examination..... | Pt. Dodge. | Barnum..... | Mar. 21, 1897 | |
| 4874 | Williams, F. A. | April 2, 1894 | By examination..... | Hopkinton. | | | |
| 4897 | Walters, C. M. C. | July 2, 1895 | By examination..... | Bancroft. | | | |
| 4924 | Weller, A. J. | Aug. 6, 1895 | By examination..... | Sigourney. | | | |
| 4930 | Wilson, F. M. | Sept. 2, 1895 | By examination..... | Bloomfield. | | | |
| 4960 | Wilson, E. J. | April 3, 1895 | By examination..... | Ruthven. | | | |
| 5003 | Wright, C. W. H. | Feb. 4, 1896 | By examination..... | New Hampton. | Latimer..... | Jan. 26, 1899 | |
| 5022 | Wilson, W. D. | Mar. 17, 1896 | By examination..... | Scranton. | Malvern..... | Aug. 23, 1896 | |
| 5024 | Wood, H. L. | Mar. 2, 1895 | By examination..... | Eagle Grove. | | | |
| 5026 | Wunderlich, B. H. | Mar. 5, 1894 | By examination..... | Dubuque. | Latimer..... | Oct. 27, 1898 | |
| 5032 | Winnans, L. P. | April 7, 1896 | By examination..... | Wilton. | Nevada..... | May 29, 1896 | |
| 5110 | Wetrick, C. J. | July 7, 1896 | By examination..... | Colfax. | | | |
| 5119 | Waizeneeger, J. G. | Aug. 4, 1896 | By examination..... | Burlington. | | | |
| 5136 | Wanberg, G. E. | Sept. 1, 1896 | By examination..... | Baxter. | | | |
| 5171 | Walters, D. J. | Dec. 1, 1896 | By examination..... | Hudson. | | | |
| 5207 | Walters, W. L. | Feb. 2, 1897 | By examination..... | Atalissa. | Wellman..... | May 27, 1897 | |
| 5230 | Williams, H. D. | Mar. 2, 1895 | By examination..... | Barnum. | | Aug. 3, 1899 | |
| 5231 | Wangler, C. J. | Mar. 10, 1897 | By examination..... | Waterloo. | | | |
| 5232 | Wade, Abigail D. | April 7, 1897 | Graduate..... | Clarinda. | | | |
| 5250 | Winer, Max B. | April 6, 1897 | By examination..... | Waverly. | | | |
| 5276 | Walstrom, J. A. | June 1, 1897 | By examination..... | Fonda. | Marathon..... | Mar. 21, 1899 | |
| 5277 | Wilson, O. M. | June 1, 1897 | By examination..... | Delta. | Monroe..... | Aug. 20, 1897 | |
| 5341 | Wiese, Rudolph | Oct. 5, 1897 | By examination..... | Manning. | | | |
| 5342 | Woolman, H. H. | Oct. 5, 1897 | By examination..... | Manning. | New Market..... | April 21, 1899 | |
| 5343 | Wilwerding, J. M. | Oct. 5, 1897 | By examination..... | Griswold. | | | |
| 5346 | Watson, J. C. | Nov. 2, 1897 | By examination..... | Hull. | Inwood..... | Feb. 7, 1898. | |
| 5348 | Wenham, F. E. | Nov. 2, 1897 | By examination..... | Waterloo. | Eldora..... | Mar. 15, 1898 | |
| 5360 | Weeks, Carl. | Dec. 3, 1897 | By examination..... | Des Moines. | | | |
| 5370 | Wright, C. M. | Dec. 7, 1897 | By examination..... | De Sota. | | | |
| 5375 | Walker, O. G. | Jan. 4, 1898 | By examination..... | New Market. | | | |
| 5385 | Wilson, James A. | Feb. 1, 1898 | By examination..... | New Virginia. | Greenfield..... | Feb. 4, 1899 | |
| 5449 | Welch, James | April 5, 1898 | By examination..... | Mechanicsville. | Shellsburg..... | July 19, 1899 | |
| 5451 | Witz, E. E. | April 5, 1898 | By examination..... | Waterloo. | | | |
| 5452 | Williams, C. H. | April 5, 1898 | By examination..... | Clarinda. | | | |
| 5455 | Winter, J. P. | April 5, 1898 | By examination..... | Hubbard. | | | |
| 5468 | Weldin, O. D. | April 5, 1898 | By examination..... | Crawfordsville. | | | |
| 5487 | White, L. M. | Mar. 31, 1898 | Graduate..... | Maynard. | Quosqueton..... | July 12, 1898 | |
| 5494 | Wotto, W. H. | May 2, 1898 | By examination..... | Lu Vern. | Winthrop..... | Jan. 10, 1898 | |
| 5517 | Ward, W. H. | July 27, 1898 | Graduate..... | Manchester. | | | |
| 5573 | Whiteside, J. C. B. | Oct. 4, 1898 | Graduate..... | Fort Madison. | | | |
| 5596 | Ward, J. J. | Nov. 1, 1898 | By examination..... | Iowa City. | | | |
| 5647 | Waugh, H. T. | Mar. 7, 1899 | By examination..... | Mt. Pleasant. | Wapello..... | July 7, 1899 | |
| 5668 | Welch, A. B. | April 4, 1899 | By examination..... | Bloomfield. | West Grove..... | April 24, 1899 | |
| 5688 | Williams, A. I. | May 17, 1899 | Graduate..... | Waterloo. | | | |
| 5691 | Warren, O. A. | May 17, 1899 | Graduate..... | Novada. | | | |
| 5693 | Webber, E. D. | May 17, 1899 | Graduate..... | Bristol. | | | |
| 5695 | Wagenar, E. O. | May 2, 1899 | By examination..... | Pella. | | | |
| 6702 | Wemark, J. L. | May 2, 1899 | By examination..... | Ridgeway. | | | |
| 6741 | Wray, J. A. | July 6, 1899 | By examination..... | Bloomfield. | Wellman..... | Aug. 3, 1899 | |
| 6753 | Wohlgemuth, J. G. | Aug. 1, 1899 | Graduate..... | Des Moines. | | | |
| 6782 | Wilson, J. M. | Aug. 1, 1899 | Graduate..... | Burlington. | | | |
| 6773 | Warta, J. A. | Aug. 1, 1899 | Graduate..... | Council Bluffs. | | | |
| 6784 | Wernli, L. S. H. | June 6, 1899 | By examination..... | Le Mars. | | | |
| 855 | Young, B. F. | June 4, 1899 | As owner..... | Manson. | | | |
| 2698 | Yockey, O. C. | Nov. 15, 1893 | By examination..... | Danbury. | Correctionville..... | Sept. 22, 1896 | |
| 2902 | Yocum, A. L. | Jan. 19, 1898 | By examination..... | Newburn. | Chariton..... | April 23, 1898 | |
| 3256 | Young, O. F. | Aug. 16, 1887 | By examination..... | Knoxville. | Carlisle..... | Aug. 21, 1863 | |
| 4002 | Yates, E. T. | Mar. 3, 1891 | By examination..... | Audubon. | Logan..... | Nov. 11, 1891 | |
| 4038 | Young, E. M. | Mar. 24, 1891 | By examination..... | Beaman. | | | |
| 4182 | Young, Charles O. | Feb. 16, 1893 | By examination..... | Maquoketa. | | | |
| 4767 | Young, John. | Nov. 7, 1894 | By examination..... | Sioux City. | Hornick..... | April 20, 1895 | |
| 4832 | Young, E. M. | Mar. 5, 1895 | By examination..... | Shellsburg. | | | |
| 4838 | Yager, Charles W. | April 2, 1894 | By examination..... | Calmar. | Rockford..... | Dec. 25, 1897 | |
| 5410 | Young, L. H. | Mar. 1, 1898 | By examination..... | Leon. | | | |
| 1647 | Zeisig, Charles A. | Aug. 25, 1880 | As owner..... | Moscow. | | | |
| 4425 | Zeigler, H. L. | Mar. 28, 1893 | By examination..... | Eagle Grove. | | | |
| 5464 | Zinser, W. | April 5, 1898 | By examination..... | Sioux Rapids. | | | |
| 5718 | Zilling, J. A. Jr. | July 6, 1899 | Graduate..... | Dubuque. | | | |

In Memoriam

Charles A. Weaver

Secretary of the
Pharmacy Commission
From 1881 to 1892

Born at York, Pennsylvania, 1832
Died at Des Moines, Iowa, June 25, 1899

REGISTERED PHARMACISTS BY COUNTIES.

ADAIR.

| | |
|-----------------------------------------|--------------------------------------|
| 5366 Adams, E. H. Berea | 3476 McClintock, J. M. Adair |
| 4353 Culverson, F. P. Greenfield | 3467 Mulhern, J. W. Adair |
| 3691 Dodson, W. F. Bridgewater | 5320 McEvoy, M. T. Adair |
| 5395 Harper, J. A., Jr. Greenfield | 5696 Pote, G. J. Bridgewater |
| 4861 Heath, Lawrence. Bridgewater | 1141 Scott, C. B. Fontanelle |
| 5540 Jarvis, C. B. Blockton | 3432 Stoll, W. W. Greenfield |
| 4870 Kingery, J. F. Orient | 4656 West, Jesse A. Greenfield |
| 3759 Love, Chas. Greenfield | 4865 Trumbull L. Adair |
| 4046 Leach, J. A. Greenfield | 5107 Trumbull, Mrs. D. F. Adair |
| 1140 McDermitt, Peter. Fontanelle | 5395 Wilson, J. A. Greenfield |

ADAMS.

| | |
|-----------------------------------|-----------------------------------|
| 493 Booth, A. E. Prescott | 3453 Potter, F. E. Corning |
| 2126 Coakley, J. W. Mt. Etna | 382 Rawson, A. A. Corning |
| 3078 Henry Charles. Corning | 1476 Sweet, H. L. Mt. Etna |
| 5225 Harris, H. B. Corning | 2480 Salts, A. J. Corning |
| 4751 Jackson, M. E. Carlton | 4087 Shinn, Mamie O. Corning |
| 728 Peregrine, O. S. Brooks | 4262 Shinn, A. F. Corning |
| 1714 Peregrine, J. S. Brooks | |

ALLAMAKEE.

| | |
|-------------------------------------|------------------------------------|
| 3428 Bayless, Chas. D. Waukon | 2779 Myers, S. C. Rossville |
| 1060 Douglass, E. N. Postville | 2734 Nachtwey, Theo. Lansing |
| 3013 Earl, W. O. Waukon | 3499 Pratt, A. E. Waukon |
| 1555 Gilchrist, W. P. Waukon | 1937 Staaedt, A. Postville |
| 4072 Grimm, A. L. Waukon | 1058 Staaedt, G. Postville |
| 3713 Hutter, V. G. New Albin | 4430 Shumaker, C. M. Lansing |
| 783 Markley, G. H. Lansing | 4381 Thoma, John M. Postville |

APPANOOSE.

| | |
|------------------------------------|--------------------------------------------|
| 817 Blosser, Geo. W. Moulton | 5473 Gale, W. S. Moulton |
| 4623 Buck, C. W. Moravia | 5573 Hays, W. S. Centerville |
| 5328 Beer, M. H. Centerville | 4080 Kaufman, Adolph. Centerville |
| 4080 Clark, J. W. Centerville | 365 McCreary, W. M. Centerville |
| 5995 Carr, O. G. Unionville | 5230 McCreary, H. B. Centerville |
| 4494 Duffield, C. J. Nyette | 3231 Fowers, O. A. Moulton |
| 5441 Edwards, F. O. Moulton | 4602 Powers, J. H. C. inclinatti |
| 2534 Forsyth Robert. Jerome | 5430 Taylor, J. B. Centerville |
| 4428 Forsyth, David B. Nyette | 3241 Wills, D. H. Moravia |
| 5377 Guinn, G. W. Centerville | 4049 Williams, Jack. Centerville |

AUDUBON.

| | |
|----------------------------------|----------------------------------|
| 3218 Bisom, O. L. Brayton | 5708 Frick, E. L. Audubon |
| 5228 Broesen, M. C. Audubon | 4212 Mertz, C. E. Gray |
| 173 Cloughly, Wm. Audubon | 269 Roberts, A. H. Audubon |
| 3061 Houston, C. W. Exira | 1344 Rippey, L. Audubon |
| 4286 Hamler, W. A. Exira | 3300 Wilhelm, T. F. Audubon |

BENTON.

| | |
|---------------------------------------|------------------------------------------|
| 1285 Brubaker, J. S. Vinton | 206 Nichols, Edw. Belle Plaine |
| 2531 Bielenberg, J. R. Keystone | 1282 Palmer, W. S. Vinton |
| 3161 Brubaker, C. W. Vinton | 3257 Paul, B. F. Blairstown |
| 4253 Bille, John. Mt. Auburn | 5785 Paden, C. M. Belle Plaine |
| 4561 Bell, F. H. Van Horn | 513 Springer, J. T. Norway |
| 3291 Dingman, G. W., Jr. Urbana | 1883 Speers, G. W. Vinton |
| 3918 Elwood, J. D. Van Horn | 4301 Scrimgeour, C. A. Belle Plaine |
| 4401 Gregory, F. E. Shellsburg | 4177 Smith, E. F. Belle Plaine |
| 5335 Gilmore, Mary B. Vinton | 5358 Speers, J. C. Vinton |
| 5663 Gilmore, H. N. Vinton | 5483 Tague, Marion S. Urbana |
| 1290 Hopwood, A. L. Vinton | 4618 Ullam, E. A. Belle Plaine |
| 4874 Helsen, L. F. Garrison | 294 Van Meter, J. C. Vinton |
| 5923 Jensen, F. W. Belle Plaine | 3391 Vincent, W. A. Belle Plaine |
| 3860 LaGrange, T. G. Vinton | 3342 Wirth, Cyrillus. Van Horn |
| 4231 McCormick, G. B. Shellsburg | 5449 Welch, Jas. Benton |
| 5474 Markham, A. J. Van Horn | 4832 Young, E. M. Shellsburg |

BLACK HAWK.

| | | | | | |
|------|-------------------|-------------|------|-------------------|-------------|
| 3056 | Blanchaine, H. J. | Laporte | 5242 | Miller, C. J. | Waterloo |
| 1405 | Cummings, M. | Laporte | 5657 | Meyer, A. | Laporte |
| 5096 | Conger, H. G. | Laporte | 5099 | Oard, A. W. | Cedar Falls |
| 5403 | Carney, E. H. | Cedar Falls | 3528 | Pfeiffer, H. J. | Cedar Falls |
| 1341 | Forry, W. W. | Laporte | 5208 | Rodman, Albert | Waterloo |
| 4277 | Henderson, W. J. | Waterloo | 3137 | Stusher, J. M. | Hudson |
| 3886 | Henderson, C. B. | Waterloo | 3334 | Striegel, Bernard | Waterloo |
| 4576 | Hieber, L. O. | Cedar Falls | 4830 | Shores, G. A. | Waterloo |
| 6349 | Hieber, Ben. | Cedar Falls | 4295 | Todd, J. A. | Waterloo |
| 5661 | Hieber, H. G. | Cedar Falls | 5747 | Talty, N. A. | Waterloo |
| 3042 | Joder, J. K. | Waterloo | 494 | Wise, C. A. | Cedar Falls |
| 3222 | Joder, A. P. | Hudson | 1338 | Wanless, C. D. | Waterloo |
| 3515 | Knapp, J. J. | Waterloo | 1339 | Wangler, E. C. | Waterloo |
| 4190 | Keefe, M. J. | Waterloo | 2304 | Wood, D. | Waterloo |
| 4291 | Landgraf, F. | Waterloo | 3909 | Wise, C. H. | Cedar Falls |
| 4626 | Lamson, C. O. | Waterloo | 4293 | Wangler, J. P. | Waterloo |
| 2761 | Morrin, G. S. | Cedar Falls | 4685 | Watta, J. F. | Waterloo |
| 4093 | McGahan, J. C. | Laporte | 4770 | Wise, F. A. | Cedar Falls |
| 4746 | Mazanti, Henry. | Cedar Falls | 5231 | Wangler, C. J. | Waterloo |
| 5100 | McDermott, C. L. | Waterloo | 5431 | Witt, E. F. | Waterloo |
| 6174 | Martin, T. J. | Waterloo | 5683 | Williams, A. I. | Waterloo |
| 5304 | Maize, E. W. | Dunkerton | | | |

BOONE.

| | | | | | |
|------|---------------------|---------------|------|--------------------|-----------|
| 232 | Anderson, A. A. | Boone | 2296 | Ingersoll, R. B. | Boone |
| 880 | Dawkins, B. J. | Mineral Ridge | 4520 | Ingersoll, J. B. | Boone |
| 5123 | Dalande, E. P. | Madrid | 5176 | Kunst, Julius | Odgen |
| 3812 | Euler, Frank | Boone | 4400 | Laney, Wm | Boone |
| 4537 | Elliott, Geo. F. | Frazer | 915 | Mallory, Dwight | Boonsboro |
| 1855 | Fitzgerald, Maurice | Boone | 916 | Mallory, Adel | Boonsboro |
| 3033 | Farr, H. S. | Boone | 4543 | McMechan, James | Boone |
| 3163 | Gore, Irwin | Pilot Mount | 3483 | Sandell, C. A. | Boone |
| 3197 | Gardner, A. J. | Odgen | 3263 | Sturgeon, C. A. | Madrid |
| 4373 | Graves, E. H. | Odgen | 1161 | Shakspears, George | Boone |
| 4799 | Graves, F. H. | Madrid | 5574 | Smith, D. L. | Madrid |
| 3164 | Haerling, H. L. | Boone | 3371 | Thornblom, A. L. | Boone |
| 4843 | Hantz, L. W. | Boone | 203 | Welch, Geo. H. | Boone |

BREMER.

| | | | | | |
|------|-----------------|------------|------|-------------------|------------|
| 1709 | Arnold, Chas. | Waverly | 3097 | Guthrie, J. M. | Tripoli |
| 1691 | Broadie, A. C. | Waverly | 4488 | Guthrie, F. L. | Tripoli |
| 2305 | Bennett, J. W. | Waverly | 3338 | Henry, A. B. | Waverly |
| 3703 | Broadie, H. H. | Waverly | 2963 | Kauffman, E. J. | Waverly |
| 3378 | Bunn, A. L. | Janesville | 4156 | Koerberle, T. A. | Sumner |
| 4851 | Converse, L. E. | Waverly | 5414 | Liffing, E. A. | Janesville |
| 4543 | Fish, G. H. | Plainfield | 4925 | Swartz, W. A. | Waverly |
| 6228 | Ferrand, B. E. | Sumner | 5573 | Stevenson, Archie | Waverly |
| 5382 | Ferrand, L. A. | Sumner | 5250 | Winner, Ma. E. | Tripoli |

BUCHANAN.

| | | | | | |
|------|------------------|--------------|------|------------------|--------------|
| 1866 | Bothwell, G. W. | Fairbank | 5672 | Mart, C. O. | Hazelton |
| 1471 | Bain, John | Brandon | 5170 | Martin, Deslie | Jesup |
| 4470 | Burrett, A. W. | Stanley | 5389 | McMullen, F. A. | Independence |
| 4934 | Chessbro, B. C. | Independence | 5761 | McDonnell, W. A. | Independence |
| 4999 | Oollins, E. E. | Winthrop | 1059 | Ney, R. J. | Independence |
| 5238 | Cooper, Sadie | Quasqueton | 5247 | Mackie, B. G. | Independence |
| 5282 | Cameron, J. K. | Winthrop | 5277 | Ryan, J. B. | Winthrop |
| 5677 | Oampbell, J. B. | Independence | 5884 | Kaufant, G. | Independence |
| 5387 | Davis, F. J. | Fairbank | 5611 | Smalle, Geo. | Independence |
| 3652 | Edson, C. L. | Lamont | 2298 | Scoddard, F. S. | Jesup |
| 96 | Hyde, M. M. | Brandon | 4721 | Smith, W. A. | Winthrop |
| 961 | Hovey, H. W. | Independence | 5645 | Tabor, A. W. | Independence |
| 4885 | Hoffman, G. J. | Lamont | 3945 | Tipton, W. L. | Aurora |
| 4327 | Hosang, F. T. | Jesup | 4089 | Tapper, W. J. | Jesup |
| 1820 | Ikenyon, T. F. | Jesup | 5696 | Thomas, B. O. | Aurora |
| 5364 | Little, Chas. | Lamont | 2552 | Wallace, A. H. | Independence |
| 8500 | Leytze, P. C. | Independence | 4472 | White, L. M. | Quasqueton |
| 1672 | McEwen, Chas. A. | Independence | 5494 | Wolfe, W. H. | Winthrop |
| 5483 | May, John A. | Independence | | | |

BUENA VISTA.

| | | | | | |
|------|-----------------|--------------|------|-------------------|--------------|
| 4139 | Burgett, W. O. | Newell | 2368 | Niemann, Theo. | Newell |
| 2245 | Cameron, C. B. | Alta | 4529 | Quay, W. F. | Storm Lake |
| 2709 | Hadden, D. E. | Alta | 4291 | Roberts, John | Lin Grove |
| 4211 | Hackett, C. W. | Marathon | 4427 | Swenson, S. N. | Storm Lake |
| 4105 | Harlan, O. C. | Storm Lake | 3569 | Skiff, W. C. | Storm Lake |
| 5038 | Hannum, W. M. | Marathon | 514 | Smith, E. M. | Storm Lake |
| 4282 | Johnson, H. A. | Sioux Rapids | 3192 | Voigt, H. A. | Storm Lake |
| 5485 | Johnson, G. J. | Sioux Rapids | 5276 | Walshstrom, J. A. | Marathon |
| 3858 | Lundwall, N. A. | Sioux Rapids | 5474 | Zinser, E. W. | Sioux Rapids |
| 4630 | Larson, Edw. | Sioux Rapids | | | |

BUTLER.

| | | | | | |
|------|-------------------|-------------|------|------------------|--------------|
| 9081 | Burroughs, E. W. | Allison | 5371 | Kelly, M. C. | Parkersburg |
| 2168 | Burroughs, S. E. | Allison | 4617 | Merner, B. J. | Allison |
| 3155 | Burbank, B. W. | Allison | 5964 | Miller, Geo. | Parkersburg |
| 2874 | Colo, G. T. | Greene | 4455 | Diney, J. B. | Shell Rock |
| 3969 | Burbank, W. J. | Allison | 4913 | Ocker, L. M. | Applington |
| 400 | Colo, J. N. | Greene | 5184 | Ordway, John C. | New Hartford |
| 4565 | Clark, G. L. | Parkersburg | 3807 | Pfeiffer, Gustav | Parkersburg |
| 3287 | Crawford, C. A. | Bristol | 123 | Rhoads, H. M. | Clarksville |
| 1384 | Dumont, E. A. | Dumont | 273 | Smith, W. H. | Shell Rock |
| 6586 | Fowle, Lloyd | Clarksville | 513 | Springer, T. | Norway |
| 1071 | Howenstein, W. M. | Parkersburg | 5023 | Steeley, J. W. | Bristol |
| 2087 | Harrison, D. O. | Clarksville | 8075 | Steeley, H. | Dumont |
| 3485 | Halloran, E. N. | Dumont | 3150 | Wick, E. E. | New Hartford |

CALHOUN.

| | | | | | |
|------|-------------------|---------------|------|-----------------|---------------|
| 2805 | Ballouk, F. H. | Lake City | 5610 | Lo Gore, J. F. | Lohrville |
| 2449 | Crisinger, J. W. | Farnhamville | 109 | Mullan, M. J. | Pomeroy |
| 2691 | Cook, W. V. | Lake City | 4255 | Martin, D. T. | Pomeroy |
| 4185 | Carmichael, C. C. | Lohrville | 4713 | Mullarky, H. | Manson |
| 3786 | Dean, A. F. | Rockwell City | 5071 | Moore, O. J. | Lohrville |
| 2727 | Foley, W. J. | Manson | 5557 | Miller, W. C. | Rockwell City |
| 4332 | Forrester, J. S. | Jolley | 4007 | Ritz, Geo. | Rockwell City |
| 4389 | Fikes, J. F. | Jolley | 4800 | Russell, Fred. | Lake City |
| 5293 | Flemming, P. W. | Manson | 4823 | Richey, E. F. | Lohrville |
| 3311 | Hews, R. H. | Rockwell City | 4821 | Wiltz, J. H. | Pomeroy |
| 4764 | Johnson, W. F. | Manson | 4221 | Westveer, A. M. | Lake City |
| 2475 | Loser, A. B. | Lake City | 885 | Young, B. F. | Manson |

CARROLL.

| | | | | | |
|------|--------------------|-------------|------|-------------------|-------------|
| 3146 | Anderson, August | Ooon Rapids | 5281 | Maier, Frank | Arcadia |
| 329 | Beberger, G. T. | Carroll | 3610 | Rogers, R. R. Jr. | Manning |
| 2483 | Bliss, N. G. | Manning | 3299 | Boyer, J. D. | Ooon Rapids |
| 5978 | Downs, J. A. | Glidden | 3175 | Scott, J. C. | Carroll |
| 1872 | Foster, W. E. | Glidden | 3236 | Sturges, W. E. | Carroll |
| 2313 | Foenstra, J. B. H. | Arcadia | 4327 | Schroeder, Frank | Manning |
| 325 | Hatton, J. W. | Carroll | 5395 | Scheu, L. C. | Templeton |
| 5693 | Hauptman, D. H. | Manning | 3786 | Scheldford, W. D. | Carroll |
| 5740 | Hamilton, J. V. | Carroll | 3698 | Tainter, E. B. | Carroll |
| 2468 | Jones, U. C. | Breda | 4990 | Toovey, F. C. | Dedham |
| 4113 | Jessen, B. T. | Arcadia | 4496 | Thurmond, Edward | Carroll |
| 4137 | Lewis, J. A. | Manning | 5341 | Wulse Rudolph | Manning |
| 5030 | Le Dus, A. H. | Breda | | | |

CASS.

| | | | | | |
|------|----------------|------------|------|--------------------|------------|
| 762 | Davis, M. J. | Lewis | 247 | Nichols, W. M. | Atlantic |
| 3298 | Davis, W. B. | Lewis | 272 | Nichols, Jonathan | Atlantic |
| 5698 | Downs, E. B. | Lewis | 627 | Piper, John | Griswold |
| 3087 | Findley, W. J. | Atlantic | 4020 | Person, Miss E. S. | Atlantic |
| 3831 | Fee, F. K. | Massena | 1933 | Scarr, G. P. | Cumberland |
| 2615 | Fried, A. F. | Massena | 3148 | Snelson, William | Massena |
| 3121 | Goss, J. S. | Atlantic | 3553 | Snelson, Lulu | Massena |
| 1963 | Jones, J. B. | Atlantic | 3561 | Schlichting, E. A. | Griswold |
| 418 | Jones, F. A. | Cumberland | 5131 | Snelson, F. B. | Massena |
| 3381 | Kiehl, R. S. | Anta | 5393 | Schultz, George | Cumberland |
| 289 | Major, E. E. | Anta | 257 | Wilkin, R. D. | Atlantic |
| 2226 | McClees, C. H. | Marne | 1493 | Weber, H. C. H. | Atlantic |
| 4740 | Major, C. W. | Anta | 5343 | Wilwerding, J. M. | Griswold |
| 5631 | Mosler, D. C. | Atlantic | | | |

CEDAR.

| | | | | | |
|------|---------------------|----------------|------|--------------------|------------|
| 85 | Bills, E. B. | Durant | 6069 | Hirschfeldt, Frank | Tipton |
| 331 | Blair, W. H. | Clarence | 3348 | Gurgenson, P. H. | Lowden |
| 1990 | Brotherlin, H. L. | Tipton | 1182 | Mather, William | Springdale |
| 1877 | Branson, Charles E. | Springdale | 1293 | Mather, Charles E. | Springdale |
| 4176 | Coveny, T. H. | Mechanicsville | 3571 | Morgan, J. W. | Tipton |
| 5345 | Fullerton, L. L. | Tipton | 5140 | Nathan, C. A. | Stanwood |
| 5332 | Fish, H. D. | Tipton | 1263 | Ross, W. P. Jr. | Tipton |
| 1768 | Gould, C. H. | Mechanicsville | 3379 | Ross, C. K. | Tipton |
| 3823 | Gill, B. A. E. | West Branch | 5621 | Reinert, Henry | Tipton |
| 4391 | Gibeaut, H. E. | Mechanicsville | 365 | Smith, G. J. | Clarence |
| 4412 | Horn, Grant | Tipton | 2888 | Schumacher, H. | Durant |

CERRO GORDO.

| | | | |
|--------------------------|------------|------------------------|------------|
| 3250 Atkinson, J. H. | Mason City | 4810 Frieberg, E. L. | Clear Lake |
| 3222 Adams, J. W. | Mason City | 3640 Howland, G. W. | Rockwell |
| 3602 Allen, E. D. | Thornton | 4203 Hughes, O. W. | Mason City |
| 348 Anderson, E. C. | Clear Lake | 5129 Huitzen, H. F. | Plymouth |
| 3909 Baas, L. F. | Clear Lake | 6705 Kuchemann, B. F. | Mason City |
| 4031 Blaise, T. T. | Mason City | 5427 Killemer, A. J. | Mason City |
| 419 Bowen, R. L. | Mason City | 3759 Lowry, George W. | Mason City |
| 4414 Bauman, Robert | Mason City | 5023 McLahan, Thomas | Clear Lake |
| 4542 Burns, C. E. | Mason City | 5335 Michael, F. L. | Mason City |
| 1881 Crosby, W. A. | Mason City | 4656 McLaughlin, C. J. | Clear Lake |
| 4200 Cappaek, William | Mason City | 4650 Cuailey, Clint | Swaledale |
| 5461 Cragg, G. W. | Mason City | 3583 Robinson, C. E. | Clear Lake |
| 4238 Dick, O. S. | Rockwell | 3233 Rosemond, W. H. | Clear Lake |
| 4678 Dixon, J. | Mason City | 1493 Stewar, H. O. | Mason City |
| 5646 Daubenberger, H. A. | Rockwell | 4741 Waterbury, M. O. | Mason City |
| 320 Eitzel, J. L. | Clear Lake | | |

CHEROKEE.

| | | | |
|-----------------------|----------|----------------------|----------|
| 4435 Allen, O. E. | Marcus | 2831 Quinn, O. F. | Meriden |
| 3867 Blair, C. A. | Cherokee | 4092 Rogers, U. C. | Washta |
| 4890 Bundy, Edgar | Aurelia | 3274 Shaul, A. J. | Quimby |
| 4402 Fry, W. N. | Marcus | 3305 Schuster, H. S. | Cherokee |
| 3905 Georges, A. G. | Marcus | 3866 Shea, M. J. | Oleghorn |
| 3289 Gerlach, Richard | Cherokee | 5153 Schuster, G. W. | Cherokee |
| 3340 Hassels, J. C. | Larabee | 5568 Snyder, C. J. | Aurelia |
| 4287 Hohlan, J. H. | Washta | | |

CHICKASAW.

| | | | |
|---------------------|----------------|--------------------------|----------------|
| 940 Briggs, L. L. | New Hampton | 6211 Malloy, J. E. | New Hampton |
| 3624 Blinn, F. W. | Nashua | 951 Olmstead, E. N. | New Hampton |
| 3411 Gardner, H. W. | New Hampton | 4917 Roe, O. O. | Nashua |
| 3214 Henry, A. W. | Alta Vista | 4309 Shambaugh, A. L. D. | Alta Vista |
| 5431 Kendall, R. W. | Fredericksburg | 3811 Taylor, L. M. | Fredericksburg |
| 3258 Landon, J. E. | Lawler | 1897 Woodbridge, M. L. | Nashua |
| 3720 Moody, C. B. | Ionia | 4640 Wilkins, J. S. | New Hampton |

CLARKE.

| | | | |
|-----------------------|----------|--------------------|----------|
| 4227 Ash, A. S. | Osceola | 3836 London, L. W. | Osceola |
| 3431 Blythe, Calvin | Woodburn | 4771 Landis, S. E. | Osceola |
| 3773 Bollhaugh, W. B. | Osceola | 2128 Martin, M. T. | Woodburn |
| 810 Garretson, B. F. | Osceola | 2202 Miller, E. L. | Murray |
| 847 Landis, S. L. | Osceola | 5090 Rogers, A. L. | Murray |
| 2641 Lawrence, Edw. | Osceola | 4530 Sells, F. W. | Murray |
| 3194 Landis, Jesse E. | Osceola | | |

OLAY.

| | | | |
|------------------------|---------|----------------------|----------|
| 2511 Bauer, W. S. | Everly | 3733 Cotrel, G. B. | Spencer |
| 3093 Bender, George B. | Spencer | 4557 Cooper, G. E. | Peterson |
| 3038 Brown, H. T. | Everly | 5428 Cose, E. L. | Peterson |
| 5406 Buck, E. M. | Spencer | 3011 Dickey, E. L. | Spencer |
| 4108 Benthall, H. C. | Dickens | 5354 Hall, C. E. | Everly |
| 5140 Bjornstad, O. A. | Spencer | 3820 Jones, F. E. | Spencer |
| 5561 Bender, E. R. | Spencer | 4245 Matthews, F. A. | Spencer |

CLAYTON.

| | | | |
|--------------------------|------------------|-------------------------|------------------|
| 547 Bayles, F. B. | Elkader | 4294 Henry, J. W. | Strawberry Point |
| 1557 Bizby, R. J. | Edgewood | 4282 Jones, W. E. | McGregor |
| 1558 Blanchard, Lewis | Edgewood | 903 Kennedy, M. G. | Volga City |
| 404 Becker, William | Elkader | 2167 Kuenzel, H. O. | Garnaville |
| 4243 Bliss, G. W. | McGregor | 3145 Kriebs, George | Elkport |
| 6045 Ballentine, W. A. | Monona | 3763 Kramer, Charles F. | McGregor |
| 5779 Barnes, L. M. | Strawberry Point | 1894 Newman, M. M. | Edgewood |
| 5367 Bayless, M. M. | McGregor | 4858 Jehring, C. C. | Elkader |
| 5515 Becker, Caroline M. | Elkader | 838 Peterson, S. J. | McGregor |
| 4288 Fox, H. C. | Monona | 4117 Royden, F. W. | Edgewood |
| 3769 Graham, E. D. | Strawberry Point | 4547 Schroeder, R. E. | Garnaville |
| 548 Hagensick, H. H. | Elkader | 5634 Stoehr, G. L. | North McGregor |
| 806 Hong, E. H. | Strawberry Point | 1857 White, W. P. | Volga City |
| 3190 Hulse, W. H. | Guttenberg | 2073 Wood, G. N. | McGregor |

CLINTON.

| | | | |
|------------------------|-------------|-----------------------|---------|
| 2662 Adams, J. R. | Lyons | 5714 Lindblade, H. E. | Clinton |
| 5188 Beard, A. R. | De Witt | 188 McKenzie, H. M. | Elwood |
| 341 Boyd, J. C. | Clinton | 383 Major, Oscar | Clinton |
| 3261 Blodt, J. J. | Clinton | 3138 McAlain, George | Clinton |
| 3434 Cunningham, T. C. | Clinton | 4140 Moffatt, Ben J. | Clinton |
| 3200 Cook, Blanche E. | Lost Nation | | |

CLINTON—CONTINUED.

| | | | |
|------------------------|-----------------|-------------------------|-----------------|
| 5173 DeLange, James | Clinton | 4492 McMeel, E. C. | Delmar |
| 3911 Deans, J. | Clinton | 4598 McMeel, F. H. | Lost Nation |
| 1360 Gamble, T. D. | Wheatland | 5176 Manton, P. H. | Charlottesville |
| 352 Honston, G. W. | Clinton | 5550 Mathiesen, J. O. | Clinton |
| 3736 Buns, Homer | Chamanch | 514 Olney, A. R. | Clinton |
| 3838 Harrington, J. D. | Grand Mount | 8243 Roff, H. R. | Lyons |
| 3945 Hill, O. E. | Clinton | 704 Snyder, D. B. | Lyons |
| 4304 Henning, J. C. | Clinton | 2249 Schenk, G. F. | Lyons |
| 4854 Holmes, Eva R. | Clinton | 3370 Starrels, S. F. | Clinton |
| 4252 John, M. H. | Clinton | 4957 Sawyer, Eva | Calamus |
| 3532 Killheffer, J. M. | Clinton | 5000 Skeley, P. B. | Lost Nation |
| 3545 Kent, C. F. | De Witt | 5072 Van Delden, Eberet | Clinton |
| 1701 Langloish, J. M. | Charlottesville | 40 Webb, J. R. | De Witt |
| 5132 Ludolph, H. W. | Clinton | 415 Walker, S. B. | Calamus |
| 6291 Large, J. B. | De Witt | 1934 Westbrook, W. H. | Lyons |

CRAWFORD.

| | | | |
|----------------------|-------------|--------------------------|-------------|
| 3281 Burk, Jas. F. | Denison | 3287 Kinyon, L. W. | Vail |
| 3971 Bowney, A. F. | Buck Grove | 3916 Lies, M. E. | Denison |
| 6257 Biglow, Zella | Charter Oak | 4242 McGarvey, J. W. | West Side |
| 4675 Cassidy, L. M. | Denison | 3249 McWilliams, J. J. | Charter Oak |
| 5791 Cronin, D. J. | Charter Oak | 3126 Richardson, C. B. | Denison |
| 3255 Davis, G. H. | Deer | 3285 Roberts, F. W. | Charter Oak |
| 1781 Evans, W. B. | Arton | 3800 Ryan, Milo | Vail |
| 3455 Gardner, J. B. | Manilla | 2144 Schlumberger, P. A. | Denison |
| 4354 Hart, W. E. | Manilla | 1838 Sanders, H. A. | Manilla |
| 5581 Harrison, J. J. | West Side | 2207 Westbrook, C. H. | Manilla |
| 1708 Knaul, Rudolph | Denison | | |

DALLAS.

| | | | |
|-----------------------|----------|----------------------|---------------|
| 5649 Anderson, A. G. | Redfield | 5396 O'Malley, J. E. | Perry |
| 1633 Brookings, V. J. | Woodward | 3734 Patter, J. M. | Woodward |
| 4240 Bundy, J. A. | Waukeo | 4645 Pettit, L. N. | Dallas Center |
| 5317 Bundy, G. M. | Kennedy | 457 Richmond, J. A. | Dallas Center |
| 2968 Draper, J. S. | Perry | 3101 Rogers, E. E. | Minburn |
| 3990 Douglas, S. A. | Adel | 458 Stanley, J. D. | Dexter |
| 5015 Dooley, E. P. | Perry | 3733 Sirocke, J. L. | Adel |
| 5770 Basart, C. E. | Minburn | 4247 Seider, W. M. | Minburn |
| 238 Freed, D. A. | Redfield | 4847 Stanley, W. A. | Dexter |
| 4045 Forsyth, J. C. | Redfield | 5138 Scurr, H. A. | Perry |
| 4888 Francis, W. M. | Troy | 3608 Trauser, M. F. | Denison |
| 5100 Fuller, N. H. | Perry | 4982 Taylor, J. L. | Adel |
| 4051 Gardner, G. H. | Perry | 4513 Underwood, Wm. | Dexter |
| 169 Long, G. F. | Perry | 1047 Willis, A. E. | Perry |
| 3501 Loughlin, M. R. | Perry | 3186 Willis, Frank | Perry |
| 4588 Loring, J. R. | Adel | 4566 Walsh, C. B. | Redfield |
| 604 McColough, M. J. | Adel | 3370 Wright, C. M. | De Soto |
| 3232 Mason, G. W. | Minburn | | |

DAVIS.

| | | | |
|-----------------------|------------|----------------------|------------|
| 4281 Beauchamp, C. E. | Bloomfield | 3785 Haslach, J. A. | Bloomfield |
| 3315 Brunk, L. D. Jr. | Bloomfield | 3977 Harris, W. W. | Bloomfield |
| 3814 Cronk, C. H. | Bloomfield | 300 McCachran, W. H. | Bloomfield |
| 77 Dunlavy, Jas. | Sulist | 4277 Mathews, C. W. | Pulaski |
| 4314 Fugate, J. D. | Clinton | 3283 Perry, C. H. | Bloomfield |
| 301 Gibbons, A. D. | Bloomfield | 3288 Ramsey, R. B. | Floris |
| 4520 Gordenier, Isle | Pulaski | 3297 Thompson, K. K. | Linden |
| 4611 Garrett, J. M. | Troy | 2892 Shotton, A. H. | Bloomfield |
| 4611 Guernsey, J. J. | Bloomfield | 4900 Wilson, F. M. | Bloomfield |
| 5765 Gilles, Grant | Sulist | | |

DECATUR.

| | | | |
|---------------------------|--------------|--------------------------|--------------|
| 2241 Alexander, W. A. | Leon | 2530 Laney, W. J. | Davis City |
| 4231 Armstrong, Ernest L. | Grand River | 2249 Mitchell, Enos | Weldon |
| 872 Belding, A. L. | Wan Wert | 2267 Myers, W. E. | Leon |
| 4157 Bear, W. S. | Decatur City | 4068 Nichols, Mrs. E. H. | Weldon |
| 4268 Barrows, C. H. | Lamoni | 3730 Potts, H. W. | Garden Grove |
| 4332 Bell, E. E. | Leon | 470 Robison, J. H. | Davis City |
| 5512 Bedler, V. L. | Leon | 3253 Reynolds, Lillie E. | Leon |
| 5363 Bedler, Eugenie L. | Leon | 4058 Rhumway, Harry | Leon |
| 2348 De Kalb, B. D. | De Kalb | 4838 Stempel, W. C. | Leon |
| 4365 Edwards, Bert. | Garden Grove | 5443 Stiles, W. H. | Garden Grove |
| 4285 Graves, F. D. | Garden Grove | 3743 Shields, J. C. | Decatur City |
| 2730 Hansen, J. H. | Lamoni | 230 Van Warden, Lewis | Leon |
| 0136 Honnold, F. J. | Leon | 2232 Waight, W. F. | Leon |
| 5032 Inag, H. M. | Clinton | 5010 Young, L. H. | Leon |
| 2120 Layton, H. E. | Leon | | |

DELAWARE.

| | | | |
|------------------------|------------|------------------------|------------|
| 3936 Anders, F. W. | Manchester | 7 Lont, C. B. | Delaware |
| 4719 Abbott, W. A. | Manchester | 720 Livingston, Hugh | Hopkinton |
| 4943 Armstrong, T. B. | Greeley | 5764 Mulvehill, E. F. | Masonville |
| 713 Bush, J. J. | Coalsburg | 5353 Phillip, A. C. | Manchester |
| 4968 Bowman, E. H. | Delhi | 519 Smith, H. C. | Manchester |
| 4794 Donnelly, William | Ryan | 3384 Smith, L. C. | Manchester |
| 4528 Denton, E. A. | Masonville | 5419 Storey, G. W. | Ryan |
| 4203 Gregg, F. K. | Manchester | 5519 Striegel, J. T. | Manchester |
| 5485 Gearhart, N. A. | Hopkinton | 4937 Williamson, W. R. | Hopkinton |
| 4988 Gibbons, S. S. | Ryan | 4689 Williams, F. A. | Hopkinton |
| 5011 Grens, B. W. | Manchester | 5317 Ward, W. H. | Manchester |
| 5044 Kendall, Charles | Earlville | | |

DES MOINES.

| | | | |
|-----------------------|------------|-------------------------|------------|
| 5262 Bartlett, W. S. | Burlington | 5298 Melzian, H. F. | Burlington |
| 5536 Bradish, C. E. | Burlington | 5318 Mollison, A. E. | Burlington |
| 3960 Churchill, Frank | Burlington | 1112 Niehaus, E. W. | Burlington |
| 3852 Cox, J. C. | Burlington | 2184 Nieman, Gustav | Burlington |
| 3974 Cochran, W. L. | Burlington | 3538 Nauman, E. L. J. | Burlington |
| 4722 Ducaan, O. F. | Burlington | 1538 Price, J. W. | Burlington |
| 3570 Fish, H. T. | Medapolis | 2542 Robinson, D. D. | Burlington |
| 4787 Ford, C. J. | Burlington | 2738 Robinson, E. L. | Burlington |
| 1539 Henry, G. C. | Burlington | 1119 Salmon, M. M. | Burlington |
| 3408 Hamier, E. A. | Burlington | 1110 Shafer, J. A. | Burlington |
| 4505 Hapman, John | Burlington | 4645 Satter, J. R. | Burlington |
| 4673 Held, William | Burlington | 4789 Salmon, H. M. | Burlington |
| 4532 June, H. C. | Burlington | 5618 Smith, O. W. | Burlington |
| 5126 Kaiser, W. O. | Burlington | 1872 Witte, J. H. | Burlington |
| 4471 Larson, C. O. | Burlington | 5119 Walzenegger, J. G. | Burlington |
| 5286 Litzrodt, E. P. | Burlington | | |

DICKINSON.

| | | | |
|-----------------------|-------------|-------------------------|-------------|
| 759 Brownell, E. L. | Spirit Lake | 5068 Hageboeck, W. H. | Lake Park |
| 4058 Barnore, V. A. | Lake Park | 3359 Ingvoldstad, C. O. | Milford |
| 4769 Dexheimer, W. F. | Spirit Lake | 4934 McGrew, E. S. | Spirit Lake |
| 4511 Erickson, N. I. | Milford | 5353 Shultz, C. S. | Lake Park |
| 3045 Farnham, L. H. | Spirit Lake | 5905 Stokas, E. H. | Superior |
| 5170 Green, Arnold | Lake Park | | |

DUBUQUE.

| | | | |
|----------------------------|------------|-------------------------|------------|
| 1175 Brown, W. K. | Dubuque | 1588 Porter, E. C. | Dubuque |
| 3319 Brown, C. J. | Dubuque | 3157 Paen, J. A. | Dubuque |
| 4385 Becker, J. G. | Dubuque | 4742 Paen, Anton J. | Dubuque |
| 4504 Bruckner, Edward | Dyersville | 5529 Peryon, E. P. | Dubuque |
| 4304 Barry, J. A. | Farley | 477 Roets, T. W. | Dubuque |
| 3639 Bennert, Frank | Dubuque | 3284 Riggs, J. A. | Dyersville |
| 489 Fraatz, F. C. | Dubuque | 4302 Ruete, O. M. | Dubuque |
| 5399 Piss, F. B. | Dubuque | 3357 Roth, C. P. | Dyersville |
| 4560 Falkenhainer, Charles | Dubuque | 5358 Ruegnitz, B. A. | Dubuque |
| 4473 Grimm, A. G. | Dubuque | 4343 Samson, C. H. | Dubuque |
| 4989 Glynn, T. H. | Dubuque | 4308 Stewers, A. C. | Dubuque |
| 61 Harwood, George | Epworth | 4494 Sahn, J. L. | Dubuque |
| 422 Horvey, James | Dubuque | 5710 Schnier, J. V. | Cascade |
| 4069 Haas, D. J. | Dubuque | 287 Thorman, G. F. | Dubuque |
| 4502 Hedley, J. E. | Dubuque | 421 Torbert, W. H. | Dubuque |
| 226 LaNica, N. J. G. | Dubuque | 4751 Thome, M. L. | Dubuque |
| 536 Livermore, C. A. | Cascade | 5186 Teresas, G. W. | Dubuque |
| 4782 Lark, C. W. | Dubuque | 4739 Ulber, M. | Dubuque |
| 4782 Lelik, W. I. | Dubuque | 450 Wanderlich, G. W. | Dubuque |
| 4262 Lenz, J. A. | Dubuque | 3019 Wittmer, J. W. | Dubuque |
| 2223 Oldridge, W. V. | Farley | 4240 Weber, J. H. | Dubuque |
| | | 5718 Zillig, J. A., Jr. | Dubuque |

EMMET.

| | | | |
|----------------------|-------------|-----------------------|-------------|
| 4884 Amundson, O. C. | Estherville | 4662 Stockwell, C. W. | Armstrong |
| 5477 Amundson, H. J. | Wallingford | 4564 Toole, Chas. O. | Wallingford |
| 3083 Colvin, A. W. | Armstrong | 2278 Wilson, M. G. | Estherville |
| 8154 Cain, R. B. | Estherville | 4505 Williams, S. H. | Estherville |
| 5199 Klopp, J. J. | Estherville | | |

FAYETTE.

| | | | |
|-------------------|------------|----------------------|------------|
| 4208 Adams, H. B. | Hawkeye | 4506 Mettlin, A. J. | Oelwein |
| 72 Burndis, J. M. | Waucoma | 5333 Masters, C. L. | Maynard |
| 1851 Brier, L. E. | Wadena | 4916 Noblett, E. O. | Hawkeye |
| 4854 Bush, J. A. | Oelwein | 5340 Pfeiffer, W. E. | Oelwein |
| 5640 Bell, C. F. | West Union | 3337 Raymond, W. T. | West Union |
| 4098 Crowe, Will. | Clermont | 3829 Rathburn, D. C. | Fayette |

FAYETTE—CONTINUED.

| | | | |
|----------------------|------------|-----------------------|-------------|
| 5178 Collins, A. R. | Oelwein | 5475 Ross, J. A. | Oelwein |
| 585 Fink, W. H. | Elgin | 386 Siles, A. E. | West Union |
| 5407 Green, O. J. | Oelwein | 2304 Stoehr, G. A. | Elgin |
| 5428 Gowen, C. B. | Westgate | 3471 Shunway, W. | Brush Creek |
| 13 Husband, C. A. | Waucoma | 19 Wilson, A. C. | Oelwein |
| 2643 Hanes, G. W. | Maynard | 2306 Webb, V. S. | Oelwein |
| 4780 Hill, F. S. | Oelwein | 3018 Waterbury, D. D. | Fayette |
| 1013 Jamison, G. W. | Oelwein | 3103 Walker, F. S. | Fayette |
| 4822 Jester, Lulu B. | Hawkeye | 3355 White, F. W. | Brush Creek |
| 5501 Kriebs, F. D. | West Union | 3986 Walwrath, B. B. | West Union |
| 4443 McMartin, C. S. | West Union | 4583 Walker, D. J. | Hawkeye |
| 4548 Macomber, G. B. | Maynard | | |

FLOYD.

| | | | |
|------------------------|--------------|------------------------|--------------|
| 955 Birney, C. C. | Nora Springs | 4111 May, B. W. | Charles City |
| 1442 Birney, Catherine | Nora Springs | 4503 Miles, C. W. | Charles City |
| 1143 Birney, Lewis | Nora Springs | 4502 Murray, Mame E. | Rudd |
| 3327 Brincken, Anton | Rockford | 5783 Murray, M. S. | Charles City |
| 4572 Birney, Emma | Nora Springs | 3268 Nauman, W. B. | Charles City |
| 5177 Bartz, E. N. | Rockford | 5062 Nolan, G. R. | Charles City |
| 5749 Brincken, Herman | Rockford | 3025 Paddisford, J. F. | Nora Springs |
| 3843 Dodd, A. B. | Charles City | 4502 Smith, W. C. | Marble Rock |
| 4582 DeSmith, C. F. | Charles City | 4936 Speedling, Floyd | Marble Rock |
| 3561 Joselyn, E. S. | Nora Springs | 5653 Speedling, E. W. | Marble Rock |
| 2831 Legal, J. G. | Charles City | 3503 Treat, J. W. | Charles City |
| 1123 Miles, H. F. | Charles City | 4538 Yager, O. W. | Rockford |
| 3094 May, Geo. E. | Charles City | | |

FRANKLIN.

| | | | |
|------------------------|-----------|------------------------|-----------|
| 3211 Aborn, F. I. | Sheffield | 4748 Lambert, G. H. | Hampton |
| 6309 Aborn, F. O. | Sheffield | 4825 Lehan, J. W. | Alexander |
| 629 Baldwin, E. V. | Hampton | 4581 Marchal, C. J. | Hampton |
| 4751 Billigolly, B. F. | Hampton | 2217 Newhouse, H. E. | Geneva |
| 3251 Funk, E. M. | Hampton | 4442 Overton, W. T. | Hampton |
| 4274 Gressler, F. J. | Chapin | 4792 Stalford, G. A. | Lattimer |
| 3979 Harriman, O. H. | Hampton | 5504 Storck, H. C. | Sheffield |
| 4722 Harriman, J. E. | Hampton | 1938 Tidd, C. H. | Geneva |
| 5526 Hoyt, A. L. | Popejoy | 5003 Wright, O. W. | Lattimer |
| 5712 Jensen, J. W. | Geneva | 5326 Wunderlich, F. H. | Lattimer |

FREMONT.

| | | | |
|-------------------------|----------|------------------------|----------|
| 3126 Biddinger, J. W. | Thurman | 638 Mann, Jas. | Hamburg |
| 4588 Biddinger, L. H. | Sidney | 4540 Newhor, J. C. | Riverton |
| 4882 Boyer, W. M. | Hamburg | 1364 Otis, C. M. | Tabor |
| 3613 Cole, J. H. | Thurman | 1223 Penn, A. V. | Sidney |
| 5379 Coleman, Carl | Farragut | 167 Robbins, W. H. | Farragut |
| 3759 Doyle, C. E. | Hamburg | 501 Snyder, O. H. | Tabor |
| 1722 Harris, T. O. | Bartlett | 4076 Swatman, B. F. | Tabor |
| 4558 Halbert, M. M. | Thurman | 4411 Simons, Arthur B. | Sidney |
| 4807 Harris, L. O. | Thurman | 186 Trullinger, W. B. | Farragut |
| 4763 Kidd, Mrs. Emma F. | Riverton | 5340 Thomas, D. W. | Randolph |

GREENE.

| | | | |
|---------------------|----------------|-------------------------|----------------|
| 616 Crow, W. M. | Grand Junction | 4105 McKelvey, W. O. | Churdan |
| 4681 Crow, R. E. | Grand Junction | 4467 Miller, Geo. | Churdan |
| 4764 Eperly, C. C. | Jefferson | 5466 McPeeters, B. E. | Jefferson |
| 671 Poy, E. W. | Jefferson | 5643 Morrison, E. D. | Grand Junction |
| 1598 Freeman, Edw. | Jefferson | 1463 Osborne, B. F. | Rippey |
| 3835 Foster, F. E. | Scranton | 2291 Olive, E. A. | Scranton |
| 5185 Glatner, J. S. | Scranton | 4514 Olive, E. W. | Scranton |
| 3965 Kirby, S. C. | Grand Junction | 5632 Petersmeyer, E. C. | Scranton |
| 4386 Lowery, O. W. | Grand Junction | 5416 Palmer, J. L. | Paton |
| 4434 Latta, K. C. | Paton | 4518 Shuey, J. F. | Jefferson |

GRUNDY.

| | | | |
|-----------------------|---------------|----------------------|---------------|
| 5330 Alexander, Harry | Conrad | 1088 Junger, Hugo | Reinbeck |
| 912 Bowman, J. K. | Conrad Grove | 5692 Junger, W. F. | Reinbeck |
| 4295 Diebner, W. F. | Weilsburg | 4296 Ladage, H. W. | Grundy Center |
| 2250 Ellis, G. F. | Grundy Center | 4293 Ladage, W. C. | Grundy Center |
| 5080 Frahm, F. W. | Beaman | 3363 Malarkey, W. G. | Holland |
| 2504 Hoag, E. L. | Beaman | 3510 Meyers, E. G. | Reinbeck |
| 2904 Hummel, Mathias | Grundy Center | 3323 Meisner, Ernest | Reinbeck |
| 4869 Heiberger, M. G. | Grundy Center | 3261 Rhea, V. F. | Grundy Center |
| 5111 Hummel, J. F. | Grundy Center | 3326 Wheeler, F. E. | Conrad |

GUTHRIE.

| | | | |
|------------------------------|----------------|-----------------------------|----------------|
| 2605 Adair, C. R. | Yale | 3669 Mandenhall, J. R. | Menlo |
| 5353 Adair, Mabel B. | Yale | 373 North, Henry. | Casey |
| 4845 Burrlichter, W. C. | Panora | 4715 Nichols, C. F. | Panora |
| 4422 Crabbe, A. M. | Menlo | 5229 Pohl, E. B. | Stuart |
| 5756 Corbett, J. H. | Bayard | 3965 Roberts, W. G. | Panora |
| 3224 Dosh, Ed. | Guthrie Center | 4367 Raber, A. S. | Stuart |
| 3821 Doudna, C. B. | Bayard | 2350 Smith, A. W. | Guthrie Center |
| 1731 Herritt, John. | Stuart | 3910 Shaffer, O. W. | Casey |
| 5713 Jones, M. L. | Guthrie Center | 4305 Shaffer, J. S. | Casey |
| 5782 Klingaman, O. B. | Bayard | 4397 Shannon, E. S. | Casey |
| 3233 Lakin, A. M. | Yale | 5987 Smith, H. M. | Bayard |
| 3306 Lemmon, A. D. | Guthrie Center | 5105 Story, C. F. | Stuart |
| 307 Maulsby, Ellis. | Casey | 1783 Treat, Jas. A. | Stuart |
| 3307 Machesney, W. T. | Bagley | | |

HANCOCK.

| | | | |
|------------------------------|--------------|----------------------------|---------|
| 4533 Amsden, W. C. | Garner | 4760 Phelps, O. W. | Kanawha |
| 4374 Borman, W. | Crystal Lake | 4077 Robinson, A. J. | Britt |
| 5329 Butts, G. W. | Goodell | 5380 Ramsey, A. J. | Goodell |
| 3723 Collins, Carrie S. | Garner | 594 Smith, H. W. | Garner |
| 4459 Carton, J. A. | Britt | 4591 Soever, A. L. | Corwith |
| 5146 Duckworth, T. O. | Crystal Lake | 4972 Spohr, T. E. | Garner |
| 4143 Harr, J. L. | Klemme | 5145 Snow, Matilda B. | Garner |
| 3332 Medowall, Arthur. | Crystal Lake | 5180 Sureset, W. F. | Britt |
| 4859 Mulligan, W. H. | Crystal Lake | 4191 Twiford, L. O. | Garner |
| 4549 Nelson, Wm. | Corwith | 3835 Wray, D. C. | Britt |
| 5049 Oelke, W. C. | Corwith | | |

HARDIN.

| | | | |
|------------------------------|----------------|-----------------------------|------------|
| 4937 Alberly, W. F. | Hubbard | 5237 Koeneman, W. E. | Whitten |
| 3953 Barber, H. A. | Iowa Falls | 5089 Marshall, O. E. | Iowa Falls |
| 4036 Corfe, W. H. | Galton | 5270 Miller, J. H. | Ackley |
| 4155 Cowan, J. D. | Iowa Falls | 4824 Mathews, J. R. | Owasa |
| 4785 Covey, J. F. | Eldora | 3771 Nix, J. M. | Ackley |
| 3382 DeMarsha, F. E. | Radcliffe | 4473 Nix, Mike. | Hubbard |
| 1816 Finster, H. J. | Steamboat Rock | 4093 Pfander, C. F. | Ackley |
| 2703 Forney, C. M. | Iowa Falls | 4259 Readout, Albert. | Union |
| 4709 Gregory, F. W. | Iowa Falls | 2070 Swartz, J. L. | Iowa Falls |
| 591 Hammond, J. H. | Eldora | 4476 Schultz, O. W. | Alden |
| 4424 Hufford, G. E. | Iowa Falls | 4577 Swallum, R. R. | Hubbard |
| 5124 Hunter, E. G. | Eldora | 5097 Smith, G. F. | Eldora |
| 6150 Hustedad, M. H. | Radcliffe | 5288 Turnbull, E. J. | Union |
| 6213 Hartman, C. P. | Eldora | 5365 Tobin, C. P. S. | Eldora |
| 5518 Hackrodt, H. G. | Ackley | 3062 Winchester, E. E. | Eldora |
| 4625 Johnson, Franklin. | Iowa Falls | 3993 Wagner, O. E. | Alden |
| 4885 Junkerman, Julius. | Ackley | 5348 Wenham, F. E. | Eldora |
| 3709 Koeneman, E. O. | Whitten | 5155 Winters, J. P. | Hubbard |
| 4604 Kent, C. W. | Iowa Falls | | |

HARRISON.

| | | | |
|---------------------------|-----------------|------------------------------|-----------------|
| 4128 Berkeley, S. L. | Woodbine | 2571 McFarlain, Thomas. | Mondamin |
| 4659 Brown, L. W. | Missouri Valley | 3127 McKay, E. A. | Missouri Valley |
| 4731 Bracklen, Z. E. | Modale | 2348 Osborne, G. S. | Missouri Valley |
| 2970 Dean, F. A. | Dunlap | 5097 Penney, T. A. | Logan |
| 1710 Ellis, C. W. | Little Sioux | 3224 Reed, C. W. | Woodbine |
| 3429 Ellor, S. | Missouri Valley | 466 Satterlee, Dwight. | Dunlap |
| 75 Ho, W. H. | Little Sioux | 475 Satterlee, E. S. | Dunlap |
| 2366 H. F. M. | Persia | 532 Shiley, G. P. | Missouri Valley |
| 4949 Harvey, E. W. | Missouri Valley | 5420 Shiley, G. P. | Missouri Valley |
| 4590 Jones, J. D. | Logan | 5527 Schiller, Edgar. | Logan |
| 2823 Knecht, A. A. | Modale | 4877 Taylor, O. W. | Mondamin |
| 5016 Kennedy, O. S. | Logan | | |

HAMILTON.

| | | | |
|----------------------------|----------------|---------------------------|--------------|
| 3945 Arthur, H. J. | Webster City | 4167 Hamaker, G. E. | Stanhope |
| 5355 Bale, G. W. | Webster City | 4801 Keltz, R. F. | Webster City |
| 5348 Busby, E. E. | Webster City | 2291 Little, M. A. | Webster City |
| 9959 Cole, Victor F. | Jewel Junction | 3001 Medberg, J. M. | Webster City |
| 4783 Crosley, Mont. | Handall | 4895 Madsen, M. P. | Jewell |
| 5598 Douglas, Mary V. | Handall | 5093 Newman, Orace. | Webster City |
| 3558 Eich, J. F. | Stratford | 1909 Peterson, P. C. | Webster City |
| 3014 Fidler, J. | Williams | 5233 Ruegnitz, Fred. | Stratford |
| 5723 French, C. B. | Webster City | 4967 Schultz, W. B. | Williams |
| 626 Griffith, J. O. | Ellsworth | 1381 Todd, G. W. | Webster City |
| 724 Gerber, L. M. | Webster City | 4473 Torrence, J. D. | Kamrar |
| 279 Greiner, L. H. | Webster City | 76 Walgamot, A. B. | Webster City |
| 5190 Holebrook, G. A. | Webster City | | |

HENRY.

| | | | |
|----------------------------|--------------|------------------------------|--------------|
| 583 Arnold, O. V. | Mt. Pleasant | 3394 Lindley, J. M. | Winfield |
| 4415 Bosworth, A. H. | Mt. Pleasant | 5415 Meyer, H. C. | Wayland |
| 4073 Crew, A. S. | Salem | 5482 Nixon, R. B. | Mt. Union |
| 4429 Coppock, Wood. | Mt. Pleasant | 3837 Ott, J. R. | Mt. Pleasant |
| 4593 Carse, G. H. | Winfield | 5578 Ott, C. A. | Mt. Pleasant |
| 4562 Drummond, O. M. | Mt. Pleasant | 537 Pyle, S. M. | Mt. Pleasant |
| 1319 Hanna, J. W. | Winfield | 2158 Pierce, G. R. | Salem |
| 3165 Huston, J. E. | Winfield | 3694 Rouse, C. H. | Salem |
| 4298 Holland, J. E. | Mt. Pleasant | 5043 Rouse, C. O. | Salem |
| 5722 Hoover, J. W. | Mt. Pleasant | 541 Smutz, W. A. | Hillsboro |
| 3322 Jericho, J. H. | Mt. Pleasant | 5330 Sheppard, S. H. | Mt. Pleasant |
| 5703 Jericho, Albert. | Mt. Pleasant | 327 Van Gise, J. P. | Mt. Pleasant |
| 3822 Lyon, Smith. | Mt. Pleasant | 3392 Van Ausdale, G. M. | New London |
| 1320 Lindley, B. B. | Winfield | 4622 Williams, A. H. | Mt. Pleasant |

HOWARD.

| | | | |
|-----------------------------|--------------|----------------------------------|--------------|
| 5448 Adam, W. C. | Elma | 4903 Kissel, Geo. | Oresco |
| 1911 Clemmer, J. J. | Oresco | 1954 Lowery, J. J. | Oresco |
| 2949 Connolly, Wm. | Oresco | 4614 Luers, J. G. | Lime Springs |
| 3319 Connolly, J. E. | Mt. Pleasant | 4677 Lovis, J. | Oresco |
| 4536 Clemmer, P. D. | Oresco | 4869 Lowery, F. B. | Oresco |
| 4596 Dayton, D. D. | Lime Springs | 5481 Lomak, E. T. | Oresco |
| 4277 Davies, W. T. E. | Elma | 5199 Milz, W. F. | Lime Springs |
| 5486 Dayton, Lizzie A. | Lime Springs | 3369 Overfield, E. E. | Elma |
| 4887 Eckstein, E. J. | Chester | 4237 Reed, J. W. | Lime Springs |
| 3881 Jackson, G. H. | Oresco | 2837 Van Leuven, G. M., Jr. | Lime Springs |

HUMBOLDT.

| | | | |
|------------------------------|-----------|-----------------------------|--------------|
| 4594 Atzen, Chas. B. | Thor | 5638 Hibner, Chas. Jr. | Gilmore City |
| 5157 Arent, A. L. Jr. | Rutland | 3611 Koontz, F. | Humboldt |
| 4308 Cole, H. B. | Newick | 2143 McEwaine, R. H. | Hardy |
| 4624 Cole, Mrs. Ella O. | Newick | 2559 McFarland, A. W. | Dakota City |
| 4227 Conner, Edw. E. | Livermore | 5505 McManara, F. H. | Humboldt |
| 3189 Doan, H. C. | Humboldt | 5348 Pretze, Chas. H. | Humboldt |
| 3798 Dornay, C. H. | Livermore | 3798 Russ, A. E. | Humboldt |
| 4115 Guehstadt, L. M. | Bode | 4908 Smith, Roy B. | Bradgate |
| 3188 Hubbard, H. C. | Humboldt | 5153 Vohs, G. L. | Ottosen |
| 4891 Hack, Leon. | Livermore | | |

IDA.

| | | | |
|-----------------------------|--------------|----------------------------|--------------|
| 2567 Bilby, A. M. | Galva | 3247 Miller, Chas. I. | Galva |
| 3393 Bronson, E. C. | Battle Creek | 2314 Simons, A. C. | Ida Grove |
| 3015 Farnsworth, D. W. | Galva | 3014 Somers, J. W. | Ida Grove |
| 2239 Johnson, Barnett. | Ida Grove | 5145 Sylvester, V. W. | Battle Creek |
| 4730 Kimer, F. O. | Ida Grove | 3233 Walker, J. T. | Holstein |
| 4759 Loucks, J. C. | Ida Grove | 3820 Wilson, C. L. | Holstein |

IOWA.

| | | | |
|-----------------------------|---------------|---------------------------|---------------|
| 3699 Alt, G. W. | Williamsburg | 3313 Hass, Fred. | Marengo |
| 2441 Bosley, J. E. | Ladora | 5521 Jayne, Edwin. | Williamsburg |
| 3115 Burus, W. A. | Millersburg | 5190 Koch, A. F. | Middle Amana |
| 3731 Brown, L. E. | Parnell | 2373 Nicol, Ira I. | North English |
| 5280 Cook, Roy L. | North English | 2747 Pentzer, J. L. | Williamsburg |
| 500 Eddy, W. M. | Marengo | 4993 Peter, T. J. | Millersburg |
| 1621 Fletcher, W. G. | Williamsburg | 4773 Ross, N. K. | Victor |
| 3580 Foster, T. M. | North English | 1797 Schadt, Conrad. | Amana |
| 3523 Goidtwhait, T. O. | Marengo | 2994 Schnell, T. J. | Parnell |
| 5133 Gwinn, E. H. | Victor | 5231 Schulte, J. F. | Victor |

JACKSON.

| | | | |
|-----------------------------------|-----------|----------------------------|--------------|
| 4557 Ahlers, O. U. | Andrew | 1773 Hubbard, L. W. | Monmouth |
| 4709 Avery, A. M. | Maquoketa | 4129 Hiltzen, N. J. | La Motte |
| 2189 Belden, M. J. | Canton | 4848 Hanks, Ed. A. | Bellevue |
| 3702 Butterworth, H. O. | Maquoketa | 2800 Jenkins, Hugh. | Preston |
| 4546 Brown, E. F. | Maquoketa | 4609 Kranz, G. F. | Bellevue |
| 4812 Broxam, A. L. | Maquoketa | 5042 Kegler, J. J. | Spring Brook |
| 5223 Brown, J. H. | Rosemont | 2513 Loos, D. N. L. | Maquoketa |
| 5147 Cantwell, J. V. | Maquoketa | 5316 Lantz, Wm. L. | Bellevue |
| 305 Dierkes, Chas. | Bellevue | 2963 McCormick, F. M. | Baldwin |
| 4681 Daugherty, A. E. | Monmouth | 4533 Marner, W. A. | A Miles |
| 5239 Daniel, H. A. | Andrew | 2536 Nitzsche, J. C. | Maquoketa |
| 5386 Dierkes, Frederick, Jr. | Bellevue | 861 Orcutt, G. B. | Maquoketa |
| 1234 Eldridge, C. G. | Sabula | 286 Rollins, John. | Bellevue |
| 1235 Guenther, J. H. | Sabula | 4183 Young, C. C. | Maquoketa |

JASPER.

| | | | |
|------------------------------|--------------|---------------------------|--------------|
| 3595 Birchard, Rufus..... | Kellogg | 932 Parmenter, R. F..... | Newton |
| 5103 Burt, C. A..... | Coifax | 1153 Quire, O. E..... | Newton |
| 4210 Conrad, G. B..... | Prairie City | 2330 Ryan, J. R..... | Coifax |
| 1487 Dalrymple, A. L..... | Monroe | 3443 Riddle, N. D..... | Prairie City |
| 4012 Downs, H. S..... | Baxter | 4228 Riddle, C. H..... | Prairie City |
| 5333 Elliott, Alexander..... | Baxter | 401 Stitt, H. J..... | Newton |
| 2210 Freeman, J. H..... | Prairie City | 975 Smith, J. R..... | Kellogg |
| 4274 Fowler, L. E..... | Lynnville | 3739 Shea, J. W..... | Coifax |
| 4272 Foster, W. O..... | Newton | 5837 Spaul, R. T..... | Coifax |
| 5638 Forney, C. M..... | Valeria | 5432 Shaw, F. W..... | Monroe |
| 3649 Graham, C. C..... | Baxter | 1694 Thompson, J. C..... | Newton |
| 4154 Hindorf, A. O..... | Newton | 2124 Trotter, W. R..... | Valeria |
| 1827 Jones, G. W..... | Coifax | 2256 Turner, J. C. S..... | Coifax |
| 4077 Johnson, F. W..... | Prairie City | 4436 Tabler, E. F..... | Coifax |
| 3403 Kennedy, A. V..... | Newton | 2391 Wagley, O. N..... | Newton |
| 3232 Lane, F. S..... | Monroe | 4330 Welrick, H. C..... | Coifax |
| 5438 Loar, G. W..... | Monroe | 4366 Westbrook, Burr..... | Newton |
| 5437 Marquis, F. A..... | Coifax | 4110 Welrick, C. J..... | Coifax |
| 5724 McKay, G. B..... | Monroe | 5138 Wanberg, G. B..... | Baxter |
| 3763 Nollen, J. H..... | Monroe | 5277 Wilson, O. N..... | Monroe |

JEFFERSON.

| | | | |
|--------------------------|-----------------|--------------------------|-----------|
| 587 Clark, G. D..... | Fairfield | 4625 Marsh, W. K..... | Batavia |
| 8293 Collins, D. C..... | Fairfield | 1009 Peters, H. C..... | Fairfield |
| 4128 Cleasby, A. J..... | Libertyville | 6253 Peterson, W. J..... | Fairfield |
| 5134 Coppeland, Jay..... | Fairfield | 3151 Slater, W. O..... | Fairfield |
| 308 Eili, C. W..... | Batavia | 4514 Blairner, F. S..... | Fairfield |
| 586 Higley, H. D..... | Fairfield | 1703 Thoma, Louis..... | Fairfield |
| 1053 Mealey, D. H..... | Pleasant Plains | 5238 Thoms, S. E..... | Fairfield |
| 4515 Moore, C. W..... | Fairfield | | |

JOHNSON.

| | | | |
|------------------------------|-----------|--------------------------------|-----------|
| 5193 Anderson, L. R..... | Oxford | 2757 Louis, Henry..... | Iowa City |
| 215 Boerner, H. W..... | Iowa City | 4576 Loozy, Winifred Ruth..... | Iowa City |
| 4262 Boerner, E. A..... | Iowa City | 4223 Morrison, W. W..... | Iowa City |
| 3276 Boerner, E. L..... | Iowa City | 5070 Mutchler, J. S..... | Iowa City |
| 4034 Boschangie, Frank..... | Lone Tree | 3228 Northrup, A. J..... | Iowa City |
| 1341 Beaman, S. Alcinda..... | Iowa City | 5333 Novak, J. H..... | Iowa City |
| 5248 Breen, J. W..... | Iowa City | 1306 Robinson, H. A..... | Oxford |
| 5485 Buss, F. J..... | Iowa City | 4731 Rawhouser, J. L..... | Lone Tree |
| 5923 Benham, L. Abe..... | Iowa City | 721 Shrader, W. E..... | Iowa City |
| 1023 Doty, E. A..... | Oxford | 2848 Shrader, Chas. C..... | Iowa City |
| 1193 Davis, M. W..... | Iowa City | 5779 Teeters, W. J..... | Iowa City |
| 5624 Delaney, J. C..... | Iowa City | 1303 Whitstone, J. H..... | Iowa City |
| 2312 Foltz, G. F..... | Iowa City | 4237 Whitaker, J. C..... | Oxford |
| 3130 Gruff, W. H..... | Iowa City | 5396 Ward, J. J..... | Iowa City |
| 3622 Hoffer, A. E..... | Solon | | |

JONES.

| | | | |
|----------------------------|-----------------|-------------------------------|------------|
| 541 Backer, J. H..... | Monticello | 4467 Ormsby, F. E..... | Martelle |
| 1834 Backcock, E. M..... | Wyonning | 84 Putnam, R. A..... | Monticello |
| 5135 Brock, W. H..... | Olin | 2675 Pors, F. O..... | Olin |
| 5376 Brown, W. E..... | Anamosa | 275 Skinner, W. B..... | Anamosa |
| 5303 Dorgeholz, H..... | Anamosa | 4217 Skinner, Mary A..... | Anamosa |
| 5242 Freisinger, J. E..... | Oxford Junction | 4712 Sigworth, D. B..... | Anamosa |
| 3202 Grimwood, A. E..... | Oxford Junction | 4293 Soetje, O. H..... | Monticello |
| 4173 Howard, G. R..... | Anamosa | 5458 Sigworth, M. F., Jr..... | Anamosa |
| 4632 Holt, Ed. S..... | Anamosa | 1942 Marks, Herman..... | Monticello |
| 843 Kempf, A. H..... | Monticello | 5185 Thomas, F. H..... | Wyonning |
| 4373 Mackrill, W. A..... | Oswick | 5192 Tisdale, W. H..... | Olin |

KEOKUK.

| | | | |
|-------------------------------|---------------|-------------------------------|------------|
| 3504 Allison, S. M..... | Nassau | 3170 McKinnis, C..... | Ollie |
| 3112 Cameron, J. F..... | Keokuk | 5476 McLaughlin, W. H..... | Webster |
| 2751 Coffman, W. T..... | South English | 3124 Platt, W. D..... | What Cheer |
| 3963 Campbell, D. T..... | Martinsburg | 3953 Leitner, C..... | Keokuk |
| 5207 Connelly, F. L..... | Hedrick | 2137 Schriever, William..... | Richland |
| 5948 Cameron, J. E..... | Hedrick | 4231 Sands, Francis G..... | Thoraburg |
| 5123 Corwin, J. W..... | Hedrick | 4533 Schroter, Charles G..... | Sigourney |
| 657 Eaton, J. E..... | Keota | 5656 Stalte, F. L..... | Hedrick |
| 2409 Engelstinger, Peter..... | Hedrick | 5201 Teuschler, David..... | Harper |
| 490 Eastburn, W. P..... | Hedrick | 3825 Updegraff, S. L..... | What Cheer |
| 3943 Franken, Edw..... | Sigourney | 977 Vitteos, H. C..... | Harper |
| 5746 Ford, John..... | What Cheer | 5073 Valerius, Matt..... | Keota |
| 595 Griffith, J. T..... | What Cheer | 3965 Williams, J. O..... | What Cheer |
| 57 Himrod, Mrs. D. M..... | What Cheer | 3799 Weller, E. R..... | Hedrick |
| 37 Holmes, W. L..... | Keota | 4067 Whaley, J. A..... | What Cheer |
| 4714 Hamilton, R. C..... | Keota | 4470 Weller, William..... | Sigourney |
| 5919 Jenkins, W. J..... | Thoraburg | 4924 Weller, A. J..... | Sigourney |
| 2517 Mitchell, A. F..... | Delta | | |

KOSUTH.

| | | | |
|-----------------------------|------------|----------------------------|------------|
| 3794 Anderson, Ollie H..... | Wesley | 2707 Lacy, George..... | Luverne |
| 4096 Anderson, E. O..... | Bancroft | 4522 Little, C. A..... | Saxton |
| 5145 Adams, H. E..... | Bancroft | 4308 Lien, A. E..... | Whittemora |
| 5496 Anderson, C. E..... | Swea City | 5015 Louder, William..... | Ledyard |
| 3224 Butts, F. M..... | Wesley | 3295 Lohse, H. W..... | Alcona |
| 3346 Berryman, A. J..... | Bancroft | 4110 Miller, R. H..... | Burg |
| 4791 Blech, H. E..... | Ledyard | 5293 Murray, W. E..... | Burt |
| 4505 Cronk, A. P..... | Bancroft | 5701 Moore, H. N..... | Alcona |
| 368 Durant, A. H..... | Alcona | 565 Rogers, R. E..... | Alcona |
| 969 Durant, H. E..... | Alcona | 2388 Studley, W. J..... | Alcona |
| 3821 Dingley, F. W..... | Alcona | 4028 Stone, N. E..... | Swea City |
| 5213 Eiger, F. E..... | Alcona | 4254 Specchia, A..... | Pitconka |
| 4503 Falkenhaimer, Al..... | Titonka | 5616 Strahl, S. E..... | Bancroft |
| 4316 Groneman, F. C..... | Whittemora | 5061 Tiss, G. L..... | Luverne |
| 5492 Graves, O. E..... | Ledyard | 4261 Yarnum, R. E..... | Pitconka |
| 3098 Hall, Lincoln..... | Burt | 4897 Walters, C. M. C..... | Bancroft |
| 4054 Heal, Frank..... | Wesley | 3171 Watters, D. J..... | Germania |

LEE.

| | | | |
|--------------------------------|-------------|----------------------------|-------------|
| 1667 Axt, J. H..... | Ft. Madison | 4415 Larson, A..... | Donnellson |
| 428 Blackinton, W. N..... | Denmark | 5075 LeFevre, L. K..... | Keokuk |
| 2997 Burlington, E. H..... | Ft. Madison | 605 McGrath, T. J..... | Keokuk |
| 5513 Bowen, C. A..... | Keokuk | 3906 O'Reilly, W. F..... | Keokuk |
| 2173 Camp, E. R..... | Keokuk | 122 Peters, G. W..... | Ft. Madison |
| 4692 Oilly, W. W..... | Keokuk | 118 Reinsner, F. O..... | West Point |
| 5516 Outler, C. M..... | Ft. Madison | 1238 Reeves, L. C..... | Keokuk |
| 3298 Englehardt, C. P..... | Keokuk | 1722 Root, J. G..... | Keokuk |
| 143 Fuller, C. C..... | Keokuk | 4721 Rigg, J. Roy..... | Keokuk |
| 5212 Gatz, E. S..... | Ft. Madison | 736 Stemple, A. E..... | Harrison |
| 1734 Heiser, Rudolph..... | Keokuk | 1548 Salmon, Theo..... | Ft. Madison |
| 1576 Ingaiss, J. E..... | Denmark | 1940 Schaefer, Geo. H..... | Ft. Madison |
| 673 Kerr, D. A..... | Keokuk | 3793 Schmidt, H. E..... | Keokuk |
| 491 Kiedalski, E. J..... | Keokuk | 1963 Schafer, R. E..... | Ft. Madison |
| 3088 K edalich, J. F., Jr..... | Keokuk | 4949 Sanderson, C. R..... | Montrose |
| 5312 Lampe, W. O..... | Ft. Madison | 1651 Thomas, Camp..... | Ft. Madison |
| 4393 Gasten, T. J..... | West Point | | |

LINN.

| | | | |
|-----------------------------|--------------|-----------------------------|--------------|
| 2506 Adams, C. R..... | Cedar Rapids | 3778 Lillis, L. M..... | Marion |
| 2581 Alexander, T. R..... | Marion | 5037 Lee, T. M..... | Lisbon |
| 791 Beech, T. C..... | Cedar Rapids | 2717 Materer, J. B..... | Cedar Rapids |
| 1234 Beach, Ed. M..... | Troy Mills | 5480 Momen, E. F..... | Walker |
| 4064 Benson, N. J..... | Prairieburg | 5637 Niund, J. W..... | Coggon |
| 4538 Baird, T. E..... | Keokuk | 5974 Mittvalley, E. J..... | Cedar Rapids |
| 4885 Boyson, G. H..... | Cedar Rapids | 5158 Niernst, W. G..... | Alburnett |
| 5594 Beck, C. C..... | Marion | 3027 Owen, C. M..... | Marion |
| 4910 Cain, J. G..... | Center Point | 3365 Owen, L. P..... | Marion |
| 3784 Culbertson, J. W..... | Center Point | 3924 Pitkin, F. O..... | Cedar Rapids |
| 4483 Carman, C. P..... | Cedar Rapids | 4578 Ryan, C. D..... | Cedar Rapids |
| 4798 Cole, C. J..... | Cedar Rapids | 5273 Richards, W. P..... | Cedar Rapids |
| 304 Dunbar, G. B..... | Center Point | 1965 Sommerbeck, B..... | Cedar Rapids |
| 4567 Dostal, J. L..... | Cedar Rapids | 3159 Severa, Frank..... | Ely |
| 4514 Emerson, R. W..... | Cedar Rapids | 3203 Severa, W. E..... | Cedar Rapids |
| 1251 Fox, G. G..... | Waubesa | 1240 Schmalck, F. O. H..... | Marion |
| 1788 Foster, C. H..... | Cedar Rapids | 4420 Shoaler, C. E..... | Cedar Rapids |
| 5034 Foster, H. E..... | Cedar Rapids | 4457 Swan, A. B..... | Walker |
| 4543 Gregg, F. E..... | Springville | 3295 Swanson, J. E..... | Cedar Rapids |
| 735 Hamann, G. C..... | Cedar Rapids | 4840 Skvor, J. M..... | Cedar Rapids |
| 2655 Hayes, J. W..... | Cedar Rapids | 438 Trueblood, John..... | Central City |
| 3230 Hilber, G. M..... | Marion | 4788 Trueblood, W. A..... | Central City |
| 3708 Hall, L. G..... | Coggon | 5074 Vosmek, J. H..... | Cedar Rapids |
| 4559 Holmes, G. B..... | Cedar Rapids | 411 Wilson, L. J..... | Center Point |
| 4746 Heasler, H. F..... | Waubesa | 317 Weller, W. L..... | Cedar Rapids |
| 5273 Hurr, O. C..... | Cedar Rapids | 1777 Wright, G. J..... | Waubesa |
| 4835 Jones, A. F..... | Cedar Rapids | 3947 Ward, Perry..... | Central City |
| 5118 Johnson, T. W..... | Cedar Rapids | 3263 Wilson, J. E..... | Marion |
| 154 Kittering, Solomon..... | Lisbon | 4539 Wheelhan, J. F..... | Cedar Rapids |
| 3399 Lee, J. A..... | Lisbon | | |

LOUISA.

| | | | |
|-----------------------------|-------------------|-----------------------------|-------------------|
| 5871 Kerr, F. E..... | Letts | 5071 Kerr, F. E..... | Letts |
| 1968 Pitt, H. A..... | Wapello | 1968 Pitt, H. A..... | Wapello |
| 4739 Robertson, Samuel..... | Columbus Jct. | 4739 Robertson, Samuel..... | Columbus Jct. |
| 4827 Salmon, W. H..... | Columbus Junction | 4827 Salmon, W. H..... | Columbus Junction |
| 5833 Shipman, O. V..... | Columbus Junction | 5833 Shipman, O. V..... | Columbus Junction |
| 5676 Swan, W. C..... | Morning Sun | 5676 Swan, W. C..... | Morning Sun |
| 4753 Thompson, J. E..... | Letts | 4753 Thompson, J. E..... | Letts |
| 5647 Waugh, H. T..... | Wapello | 5647 Waugh, H. T..... | Wapello |

LUCAS.

| | | | |
|-----------------------|----------|----------------------|----------|
| 3385 Briles, W. R. | Charlton | 128 Newell, W. M. | Russell |
| 917 Duane, J. W. | Derby | 1084 Sprague, J. F. | Russell |
| 5664 Dougherty, B. E. | Charlton | 1119 Storie, D. Q. | Charlton |
| 3655 Jones, E. S. | Charlton | 2434 Stover, N. W. | Lucas |
| 3799 John, G. W. | Lucas | 3376 Werts, J. L. | Russell |
| 2333 Kirk, C. R. | Charlton | 4216 Whitlock, C. E. | Charlton |

LYON.

| | | | |
|----------------------|-------------|-----------------------|-------------|
| 4729 Amsberry, A. L. | Lester | 3864 Jones Rowland | Lester |
| 3850 Brink, H. J. | Doon | 5617 Johnson, A. L. | Larchwood |
| 4893 Bradshaw, S. M. | George | 4556 Kaplan, J. G. | Rock Rapids |
| 5391 Cajacob, J. R. | Little Rock | 5566 O'Connor, T. E. | George |
| 5679 Coury, W. L. | Larchwood | 4683 Page, W. F. | Alvord |
| 5216 Foley, C. S. | Rock Rapids | 5752 Vickers, Grant | Inwood |
| 3925 Gurney, C. L. | Doon | 2879 Wycoff, W. C. | Rock Rapids |
| 4982 Getman, N. E. | Larchwood | 4670 Williams, J. R. | Larchwood |
| 2208 Horton, F. A. | Rock Rapids | 4850 Wismer, Alvin E. | George |
| 4006 Hoff, J. A. | Doon | | |

MADISON.

| | | | |
|-----------------------|------------|-----------------------|-------------|
| 3681 Anderson, E. K. | St Charles | 5716 Krabiel, W. E. | Winterset |
| 5490 Bradshaw, L. S. | Winterset | 3413 Painter, William | East Peru |
| 3325 Catterlin, S. E. | Winterset | 4279 Peek, J. O. | Winterset |
| 5459 Cullen, F. W. | Winterset | 3667 Smith, M. E. | Winterset |
| 3470 Griswold, E. B. | Winterset | 4103 Smith, J. E. | Earlham |
| 1785 Henshaw, John | Winterset | 4641 Schreves, G. W. | St. Charles |
| 4355 Hutchison, J. A. | Truro | 3416 Tobin, Hazel | Winterset |
| 4808 Henry, W. J. | Winterset | 1268 Wyman, J. H. | St. Charles |
| 5760 Horn, O. C. | Winterset | | |

MAHASKA.

| | | | |
|------------------------|-------------|-----------------------|-------------|
| 4866 Armour, F. C. | Oskaloosa | 2424 Hinton, G. A. | Oskaloosa |
| 315 Beardsley, William | Beacon | 2540 Henderson, J. S. | Muchakinock |
| 1042 Beechler, G. N. | Oskaloosa | 3176 Johnson, Alfred | Given |
| 1858 Bentley, N. J. | Oskaloosa | 4249 Kramme, H. W. | Barnes City |
| 4148 Blakeslee, J. H. | Oskaloosa | 5623 Knudson, A. C. | Oskaloosa |
| 4188 Busby, J. R. | Rose Hill | 1036 Morgan, J. W. | Oskaloosa |
| 4215 Bertsch, G. P. | Oskaloosa | 8021 Nugent, H. D. | Oskaloosa |
| 4444 Blair, M. M. | Oskaloosa | 4121 Noel, J. F. | Muchakinock |
| 5283 Brattain, James | Oskaloosa | 2756 Pickett, J. H. | Oskaloosa |
| 1489 Cole, D. L. | Oskaloosa | 2940 Pike, C. C. | Oskaloosa |
| 3710 Cooper, B. F. | Muchakinock | 1997 Reel, Z. T. | Oskaloosa |
| 4466 Cunningham, C. E. | Oskaloosa | 2088 Reel, A. R. | Oskaloosa |
| 4357 Dale, J. R. | Fremont | 3288 Thomas, J. C. | Muchakinock |
| 4929 Davis, C. R. | New Sharon | 4839 Vickers, Will | New Sharon |
| 5373 Dale, Dorothea B. | Fremont | 3650 Wray, J. W. | Oskaloosa |
| 2450 Green, F. E. | Oskaloosa | | |

MARION.

| | | | |
|-------------------------|---------------|------------------------|---------------|
| 249 Allen, W. L. | Pella | 544 Kirkwood, J. W. | Otley |
| 1417 Brinkerhoff, F. W. | Pella | 1170 Keables, B. F. | Pella |
| 3519 Bare, O. H. | Pleasantville | 1171 Keables, J. B. | Pella |
| 3860 Brinkerhoff, C. W. | Pella | 1973 Keables, H. S. | Pella |
| 492 Cole, T. R. | Marysville | 5450 Keables, H. F. | Pella |
| 4776 Criddick, W. W. | Knoxville | 1051 Litchfield, A. N. | Pleasantville |
| 4829 Cioe, J. W. | Knoxville | 5187 Lyon, Charles | Pleasantville |
| 5470 Dornet, A. L. | Knoxville | 4051 Park, L. E. | Tracy |
| 2122 Elliott, W. V. | Marysville | 4986 Ritchie, J. W. | Dallas |
| 1063 Forsythe, W. D. | Knoxville | 675 Woodruff, M. W. | Knoxville |
| 5372 Gamble, C. A. | Pella | 2746 Wright, L. D. | Knoxville |
| 5004 Hollowell, J. E. | Knoxville | 5695 Wagenaar, E. O. | Pella |
| 543 Kirkwood, T. J. | Swan | | |

MARSHALL.

| | | | |
|-------------------------|--------------|----------------------|--------------|
| 5039 Alexander, J. M. | Marshalltown | 3619 Mershon, G. A. | Liscomb |
| 1181 Brimhall, S. M. | State Center | 4532 Maytag, T. H. | Laurel |
| 1232 Bishop, E. W. | State Center | 4762 McDonald, J. E. | Marshalltown |
| 3880 Brimhall, W. F. | State Center | 4224 Newman, O. T. | St. Anthony |
| 5424 Bartholow, E. L. | Clemons | 5677 Nichols, F. E. | State Center |
| 5462 Batty, Alfred | Marshalltown | 1161 Powers, G. P. | Marshalltown |
| 4268 Dunkie, W. B. | Gilman | 2435 Plumb, W. T. | Van Cleve |
| 4268 Dobson, Mrs. M. H. | Le Grande | 5584 Porter, G. E. | Marshalltown |
| 4070 Elder, A. T. | Marshalltown | 2617 Sieg, H. O. | Marshalltown |
| 4158 Evans, W. H. | Marshalltown | 3888 Seeley, C. A. | Marshalltown |
| 5111 Everette, Orion | Marshalltown | 3933 Smith, M. R. | Laurel |
| 1925 Frost, O. E. | Rhoades | 4162 Stone, C. F. M. | Marshalltown |

MARSHALL—CONTINUED.

| | | | |
|-------------------------|--------------|------------------------|--------------|
| 4777 Garey, O. E. | Marshalltown | 4446 Swift, T. C. | State Center |
| 4752 Hoy, A. W. | Marshalltown | 5000 Sorensen, Hans | Marshalltown |
| 5322 Hambleton, W. M. | Melbourne | 606 Ward, J. A. | Gilman |
| 1158 Lander, C. J. | Marshalltown | 607 Ward, W. J. | Gilman |
| 5113 Lander, C. J., Jr. | Marshalltown | 2986 Willey, F. B. | Marshalltown |
| 1409 McBride, W. S. | Marshalltown | 3772 Woodward, H. H. | Melbourne |
| 2611 Mayer, Peter | Marshalltown | 4347 Woodward, Will O. | Marshalltown |
| 2885 Morgan, B. A. | Marshalltown | 4565 Will, E. O. | Marshalltown |
| 3404 McBride, R. W. | Marshalltown | | |

MILLS.

| | | | |
|------------------------|----------|-----------------------|------------------|
| 3514 Barlow, A. W. | Glenwood | 1693 Irwin, C. F. | Henderson |
| 4647 Bleakney, E. L. | Glenwood | 3829 Leith, G. E. | Henderson |
| 3515 Chapin, G. C. | Hastings | 1214 Moore, W. G. | Silver City |
| 4200 Collins, E. C. | Emerson | 5293 McGrew, L. W. | Emerson |
| 2433 De Witt, C. H. | Glenwood | 5551 Priest, F. H. | Emerson |
| 595 Edwards, M. G. | Glenwood | 2707 Royce, C. S. | Malvern |
| 358 Flammant, M. | Mineola | 4877 Redmond, I. D. | Pacific Junction |
| 3711 Goodwin, F. L. B. | Malvern | 554 Snipman, R. M. | Emerson |
| 2715 Howe, A. J. | Glenwood | 4536 Skillicom, W. M. | Glenwood |
| 4909 Holtzinger, P. S. | Emerson | 5022 Wilson, W. D. | Malvern |

MITCHELL.

| | | | |
|-----------------------|------------|----------------------|---------------|
| 1699 Amos, Albert | Stacyville | 1124 Miles, W. F. | St. Ansgar |
| 4220 Ady, R. W. | Osage | 4815 Miles, C. L. | St. Ansgar |
| 1029 Evans, W. L. | Osage | 1847 Powell, L. E. | McIntire |
| 5750 Filnt, E. R. | Osage | 3691 Richmond, E. C. | Riceville |
| 3223 Goodall, Parr | Osage | 5480 Roche, W. H. | Riceville |
| 4704 Graves, A. V. | McIntire | 219 Schancks, F. B. | West Mitchell |
| 4833 Green, S. E. | Osage | 3044 Sampson, F. W. | Osage |
| 1027 Lezott, Chas. H. | Osage | 5197 Smith, G. J. | Riceville |

MONONA.

| | | | |
|---------------------|----------|----------------------|-----------|
| 4369 Backer, N. G. | Whiting | 2926 Minthorn, M. F. | Moorehead |
| 5405 Bigelow, B. E. | Onawa | 3154 Putzler, J. H. | Mapleton |
| 3052 Dyer, H. W. | Mapleton | 33 Rust, David | Whiting |
| 4037 Fgl, E. E. | Onawa | 4039 Surface, D. W. | Castana |
| 883 Griffin, F. | Mapleton | 5639 Selleck, E. C. | Onawa |
| 4513 Griffin, C. F. | Mapleton | 5297 Towers, J. J. | Whiting |
| 2808 Mann, A. W. | Onawa | 3944 Wheeler, C. H. | Blencoe |

MONROE.

| | | | |
|---------------------|---------|-----------------------|---------|
| 776 Bissell, C. E. | Lovilla | 279 Morrison, Ella A. | Albia |
| 3104 Bartram, R. T. | Albia | 4568 Miller, G. D. | Albia |
| 4182 Carden, G. R. | Albia | 5202 Murray, W. P. | Melrose |
| 4378 Johnson, D. W. | Albia | 5753 McFadden, Wm. | Albia |
| 5144 Johnson, E. R. | Monroe | 971 O'Connor, J. C. | Melrose |
| 278 Morrison, J. C. | Albia | 857 Roberts, J. W. | Albia |

MONTGOMERY.

| | | | |
|----------------------|----------|------------------------|----------|
| 121 Arts, David | Red Oak | 4197 Jones, H. F. | Red Oak |
| 2229 Cary, G. T. | Grant | 2316 Lynch, L. J. | Villisca |
| 3356 Childs, E. W. | Villisca | 4313 Luce, John | Villisca |
| 5555 Criswell, J. W. | Villisca | 3448 Mollenhoff, J. P. | Stanton |
| 3345 Ericsson, G. B. | Red Oak | 4970 Ordway, Cora | Elliott |
| 203 Hinchman, A. C. | Red Oak | 2942 Platt, G. M. | Red Oak |
| 2342 Hine, C. W. | Stanton | 2419 Stillians, W. A. | Villisca |
| 3347 Hulett, A. | Red Oak | 3755 Shank, H. W. | Red Oak |
| 4991 Hully, H. D. | Elliott | 5278 Shockley, Ned | Red Oak |
| 5394 Hinchman, C. B. | Red Oak | | |

MUSCATINE.

| | | | |
|---------------------------|-----------------|-----------------------|-----------------|
| 1294 Agnew, D. G. | Wilton Junction | 3695 Graham, E. L. | Muscatine |
| 3116 Busch, W. C. A. | Muscatine | 2782 Hampton, E. B. | West Liberty |
| 4174 Barkalow, W. B. | Atalissa | 3110 Havercamp, J. J. | Muscatine |
| 4256 Braumworth, Alice L. | Muscatine | 3421 Henderson, E. L. | West Liberty |
| 1450 Coaling, A. A. | Wilton Junction | 4286 Hazlett, J. C. | Muscatine |
| 3081 Cope, W. L. | Muscatine | 180 Kreha, J. T. | Muscatine |
| 3650 Carl, F. F. | Nichols | 2868 Kuchmann, J. T. | Muscatine |
| 4764 Cope, F. C. | Wilton Junction | 5680 Lang, Wm. | Muscatine |
| 5630 Coady, J. J. | Muscatine | 1841 Maroif, J. F. | Wilton Junction |
| 885 Dauschmann, August | Muscatine | 3745 Moore, G. A. | West Liberty |
| 1525 Daugherty, J. B. | Muscatine | 4811 McBride, W. H. | Muscatine |
| 5788 Embre, G. B. | West Liberty | 5570 Miller, C. V. | West Liberty |
| 4053 Farmer, R. | Wilton Junction | 50 Nesper, F. T. | Muscatine |
| 5632 Fishburn, E. C. | Muscatine | 1441 Reimcke, G. A. | Muscatine |
| 867 Gells, Henry | Muscatine | 1647 Zsig, C. A. | Moscow |

O'BRIEN.

Table listing names and locations for O'Brien, including Ayers, W. L., Algyer, O., Barrager, E. L., Daman, F. J., Fitton, J. F., Gould, I. L., Hassels, J. C., Miller, M. E., McCready, A. R., Price, L. J., Parker, E. W., Paine, F. E., Rust, E. G., Schoel, A., Stewart, D. T., Shaffner, W. W., Shibley, L. U., and Shibley, Henry.

OSCEOLA.

Table listing names and locations for Osceola, including Carmichael, J. H., Cook, C. A., Carmichael, Lola, Giles, D. R., Graves, F. W., Hamilton, R. G., Lawrence, W. R., Parker, W. L., Parker, C. E., Stevens, W. B., and Smith, A. E.

PAGE.

Table listing names and locations for various locations, including Burrowa, J. P., Bagnall, J. I., Bengé, A. T., Blair, F. L., Eaton, H. E., Gauss, M., Hite, R. B., Henderson, W. A., Hunt, A. V., Jay, George, Johnson, C. J., Jeffrey, F. D., Jackson, T. O., Keeran, J. B., Lundy, W. L., Large, A. F., Morrow, C. E., McClymonds, S. E., Newquist, F., Putnam, T. L., Phillips, W. C., Quist, Wm., Robbins, C. A., Roberts, O. B., Ward, C. H., and Williams, C. H.

PALO ALTO.

Table listing names and locations for Palo Alto, including Anderson, J. H., Ankema, S. E., Burnes, J. O., Bachman, E. W., Barrett, W. H., Babcock, H. M., Cuplin, P. P., Collins, T. D., Easton, E. K., Herley, G. F., Hastings, W. C., King, R. O., Stemetz, John, Wolfgang, A. J., Weaver, O. A., Wilson, W. E., and Wilson, Ed. J.

PLYMOUTH.

Table listing names and locations for Plymouth, including Bernhardt, J. M., Carter, George, Cobb, E. F., Diehl, P. H., Klise, W. J., Luehrs, O. G., Meiners, F. G., Moad, C. L., Mead, N., McArthur, Wallace, Mead, N. P., Mammen, M. H., Nigg, H. A., Parker, G. F., Rippey, J. H., Sartori, Anton, Spotts, S. W., Schoots, J. J., Strubble, A. J., Wilder, J. J., Wilson, O. W., Wilson, L. B., Welch, A. B., and Wernli, L. S.

POCAHONTAS.

Table listing names and locations for Pocahontas, including Anderson, E. A., Brenton, A. G., Ballard, J. B., Beam, C. H., Carroll, J. M., Core, G. W., Colgan, F. L., Cone, E. R., Day, G. W., England, L. E., Freeman, F. E., Higgins, J. W., Hughes, R. E., Henning, A. F., Jones, S. O., Kniest, L. E., McMannus, F. W., Patty, O. C., Reed, C. G., Sheldon, J. B., Thomer, M. L., Webb, C. M., and Wiewel, Joseph.

POLK.

Large table listing names and locations for Polk, including Aldrich, F. S., Allen, D. A., Backer, C. W., Begun, C. A., Barnard, C. G., Bauer, J. A., Barnett, J. M., Bradish, W. C., Bascomb, F. W., Chamberlain, Lowell, Cogswell, S. G., Cox, G. W., Cowles, V. D., Conklin, W. S., Carpenter, F. F., Coon, L. B., Chamberlain, L. H., Duke, C. D., Durette, R. G., Davis, F. R., Delander, C. A., Durett, Ella B., Eslich, T. B., Eaton, F. N., Engleau, C. J., Kade, J. W., Fulney, J. L., Givens, O. E., Graf, J. E., Gibson, R. M., Graham, W. A., Gallegly, H. A., Guth, T. J., Hippee, Warren, Huegler, H. W., Hansen, H. O., Harlan, O. E., Hammer, Alfred, Hammer, A. G., Horsman, U. O., Hufford, W. F., Homann, Richard, Henry, W. P., Hurlbut, J. R., Harrod, H. B., Hansch, Harry H., Hulse, E. E., Higgins, E. A., Halden, W. R., Irwin, W. P., Janes, E. L., Johnson, J. A., Johnson, Aaron, Johnson, A. C., Kinyon, C. P., Kilgore, W. B., Lichty, Norman, Loper, J. O., Loper, J. H., Lawrence, E. C., Lawrence, E. S., Miles, A. H., McKay, F. P., Mahanke, George, McArthur, F. H., McCurnin, T. P., McKay, C. A., McConaughy, E. R., Miles, C. C., McCombs, Amantus, Manning, E. D., Norton, C. F., Namur, Charles, Nelson, C. H., Nesting, C. O., Nordgren, E. J., Olsen, M. J., Odiorno, B. G., Parker, J. H., Pierson, L. R., Parr, D. E., Pickerill, J. R., Petree, J. E., Rogg, C. W., Randolph, J. W., Reichard, D. H., Randall, C. T., Randolph, Frank, Riggs, J. A., Rogers, E. E., Reichard, W. F., Rehkopf, A. H., Rixtine, A. J., Schroeder, Frederick, Sandholm, John, Souers, Webb, Schmucker, D. R., Shaffer, Lewis, Spaulding, S. J., Shope, E. D., Stewart, W. J., Schmidt, Louis, Stream, Curtis, Stewart, Ella A., Sheldon, Frank, Shaffer, W. B., Shope, C. O., Stroud, J. S., Smith, R. H., Seyfert, H. L., Smith, F. L., Smith, Channing, Severin, J. C., Talbot, Thomas, Twining, E. LeRoy, Thompson, E. T., Veatch, E. S., Wood, Annie L., Wells, W. C., Whitney, E. F., Woodman, J. W., Wood, Frank, Waterbury, F. O., Johnson, Ella S., Kettlewell, Chas. L., Lenocker, A. A., Lehman, Max., Letson, G. A., Maxwell, W. J., Mudge, L. H., McElroy, E. K., Morgan, F. H., Massenbarg, Lou, O'Leary, Mike, Robbins, F., Rolfe, Herman, Stuart, J. D., and Stemple, G. L.

POTTAWATTAMIE.

Table listing names and locations for Pottawattamie, including Atkins, J. B., Andrews, J. J., Bruce, O. M., Brown, E. O., Brown, O. H., Connor, A. F., Camp, J. W., Camp, G. F., Campbell, LeRoy, Cash, W. F., De Haven, J. C., Davis, G. S., Daboe, N. J., Doolittle, H. M., Fletcher, G. W., Gardner, W. W., Johnson, Ella S., Kettlewell, Chas. L., Lenocker, A. A., Lehman, Max., Letson, G. A., Maxwell, W. J., Mudge, L. H., McElroy, E. K., Morgan, F. H., Massenbarg, Lou, O'Leary, Mike, Robbins, F., Rolfe, Herman, Stuart, J. D., and Stemple, G. L.

POTTAWATTAMIE—CONTINUED.

Table listing names and locations for Pottawattamie, including Harle, F. D., Council Bluffs; Howard, G. R., Neola; Houghton, F. W., Council Bluffs; Harrison, J. C., Council Bluffs; Hansen, Geo., Council Bluffs; Harlan, W. D., Macedonia; Harrison, B. Z., Oakland; Henry, J. I., Council Bluffs; Johnson, S. M., Carson; Sellers, F. E., Council Bluffs; Swarm, C. P., Oakland; Smart, F. G., Hancock; Spaulding, Joe., Council Bluffs; Thompson, E. C., Walnut; Whaley, S. E., Council Bluffs; Wyland, A. O., Underwood; Walters, J. H., Avoca; Wesner, F. W., Council Bluffs.

POWESHIEK.

Table listing names and locations for Poweshiek, including Alley, C. E., Grinnell; Beard, E. L., Grinnell; Cutter, C. F., Deep River; Davis, Ella, Malcom; Griffin, C. J., Montezuma; Hedges, T. M., Grinnell; Hedges, Grace L., Grinnell; Hubbert, F. P., Malcom; Johnson, J. G., Grinnell; McConnell, P. G., Grinnell; Ormiston, J. S., Hartwick; Platt, J. H., Montezuma; Prader, D. C., Monticello; Quire, J. C., Searsboro; Rainsburg, A. P., Brooklyn; Roe, C. P., Grinnell; Rainsburg, C. T., Brooklyn; Romaine, Ernest, Grinnell; Rodgers, J. G., Montezuma; Shrader, F. P., Brooklyn; Sanders, J. C., Deep River; Shields, W. M., Montezuma; Talbot, A. D., Brooklyn; Winchell, J. E., Malcom.

RINGGOLD.

Table listing names and locations for Ringgold, including Asbury, T. P., Tingley; Armitage, A. C., Ellston; Asbury, J. W., Mt. Ayr; Armitage, Daisy Dean, Ellston; Camp, Marshall, Kellerton; Cuplin, H. S., Kellerton; Elder, W. E., Tingley; Elder, Alice Waugh, Tingley; Horne, John, Mt. Ayr; House, J. G., Knowlton; Jones, T. B., Beaconsfield; Jessup, A. E., Caledonia; Merrill, John T., Mt. Ayr; McClanahan, W. A., Redding; O'Connor, T. G., Maloy; Reed, H. J. C., Diagonal; Seaton, S. H., Delphos.

SCOTT.

Table listing names and locations for Scott, including Binford, Edmund, Dixon; Ballard, J. W., Davenport; Busch, T. H., Davenport; Braunlich, H. G., Davenport; Ballard, H. W., Davenport; Bitner, C. W., Le Claire; Clark, E. A., Princeton; Chase, O. V., Davenport; Campbell, L. R., Davenport; Carlisle, G. M., Buffalo; Carstens, L. P., Davenport; Driscoll, J. E., Davenport; Doyle, W. S., Davenport; Dorgan, J. J., Davenport; Danquard, Theodore, Davenport; Emeis, H. A., Davenport; Harrison, O. E., Davenport; Harrison, J. H., Davenport; Kemmerer, C. P., Eldridge; Koch, P. T., Davenport; Koehert, P. H., Davenport; Kistenmacher, E. J., Davenport; Koch, Francis J., Davenport; Klenze, J. E., Davenport; Kurmeier, J. P., Davenport; Kegel, Karl, Walcott; Lafrenz, H. T., Davenport; Meisner, Amilius, Davenport; Moetzal, E. A., Davenport; Moffat, J. H., Davenport; Nadler, Frank, Davenport; Riepe, A. C. H. E., Davenport; Schlegel, Gustav, Davenport; Schlegel, O. E., Davenport.

SHELBY.

Table listing names and locations for Shelby, including Arrasmith, P. L., Shelby; Arnold, W. B., Kirkman; Branson, W. S., Irwin; Berringer, W. J., Defiance; Berry, A. S., Panama; Frost, L. D., Harlan; Fagan, H. M., Shelby; Fretz, Menzo, Harlan; Gregerson, James, Harlan; Jones, L. H., Shelby; Mills, J. S., Harlan; Pedersen, G. M., Harlan; Reed, O. T., Portsmouth; Strunk, H. J., Erling; Starr, G. A., Portsmouth.

SIoux.

Table listing names and locations for Sioux, including Brush, G. W., Sioux Center; Brewer, J. H., Hawarden; Brink, Milber, Boyden; Blaesser, W. A., Boyden; Chadwick, J. B., Hospers; Coad, J. A., Hull; Culver, E. R., Hull; Coad, N. G. O., Matlock; Douglass, C. W., Hawarden; De Kruff, P. J., Orange City; Geselschap, A. F., Orange City; Grady, M. J., Hawarden; Harlan, L. L., Hawarden; Hildesheim, J. J., Rock Valley; Knapp, Georgiana, Rock Valley; McBride, C. M., Rock Valley; Mosher, A. H., Ireton; Pember, H. H., Rock Valley; Parsons, A. H., Ireton; Platt, T. D., Hawarden; Parker, E. R., Ireton; Reynolds, G. D., Chatsworth; Stoll, L. S., Sioux Center; Schaul, Alphonse, Alton; Titus, W. W., Hawarden; Vosburg, P. B., Granville; Whitfield, Arthur, Hawarden.

SAC.

Table listing names and locations for SAC, including Andre, T. J., Schaller; Brimhall, O. W., Schaller; Brown, Caleb, Sac City; Brooks, W. R., Schaller; Bieser, J. H., Odebolt; Barkl, C. E., Sac City; Corey, C. S., Odebolt; Casay, G. W., Sac City; Cooke, S. R., Wall Lake; Graham, J. W., Early; Hunter, J. P., Lake View; Hopkins, O. M., Wall Lake; Hiron, W. P., Early; Kessler, Joseph, Auburn; Kennedy, J. D., Auburn; Kinsey, Carl, Carnarven; Kastner, Ferdinand, Wall Lake; Petersmeyer, William, Odebolt; Page, F. W., Wall Lake; Rowe, E. E., Early; Selby, R. W., Odebolt; Stiford, Charles, Lake View; Selby, S. D., Odebolt; Smith, O. H., Odebolt; Snaile, Hubert, Sac City; Williams, A. J., Odebolt.

STORY.

Table listing names and locations for Story, including Alpin, A. S., Cambridge; Briggs, S. E., Nevada; Bosworth, L. M., Ames; Benedict, George, Maxwell; Briggs, George H., Nevada; Bowman, I. L., Zealing; Campbell, O. E., Collins; Oagwla, J. E., Story City; Carver, E. J., Colo; Carter, J. H., Collins; Clark, O. B., Gilbert Station; Clutter, B. A., Ames; Davis, W. A., Story City; Davendorf, W. A., Story City; Gandrup, W. D., Story City; Gandrup, A. W., Cambridge; Gandrup, H. D., Story City; George, R. E., Colo; Hostetter, J. I., Colo; Hermanson, T. P., Roland; Ingledue, E. O., Zealing; Judisch, George, Ames; Kahrs, E. S. D., McCallsburg; Lax, Fred, Colo; Lande, Amos, Slater; Loughran, T. J., Story City; Miller, H. D., Ames; Nordgren, E. E., Ames; Olinger, J. W., Maxwell; Shuttlesworth, E. H., Nevada; Shuttlesworth, E. H., Nevada; Sparling, E. E., Ames; Thomas, O. H., Cambridge; Wray, W. L., Nevada; Winans, L. P., Slater.

TAMA.

Table listing names and locations for Tama, including Armstrong, E. F., Tama; Baker, C. D., Toledo; Coffin, E. M., Tama City; Crossman, W. P., Tama City; Christenson, S. A., Toledo; Douglas, E. F., Dysart; Grimm, W. H., Traer; Gerard, S. A., Gladbrook; Ingleson, F. E., Tama; Junker, W. E., Toledo; Kullmer, J. H., Dysart; Kullmer, J. L., Chelsea; Knudson, L. C., Montour; Nauerth, J. H., Traer; Stiger, Stephen, Toledo; Soleman, Henry, Tama City; Springer, George L., Garwin; Stevens, J. H., Montour; Sloan, W. O., Traer; Snider, W. C., Tama City; Shugart, N. K., Elberton; Smith, L. B., Gladbrook; Swallow, H. U., Garwin; Stevens, L. M., Montour; Soleman, F. A., Tama.

TAYLOR.

Table listing names and locations for Taylor, including Babson, J. E., Blockton; Bibbins, A. L., Bedford; Bennett, T. W., Lenox; Childs, H. A., Lenox; Childs, A. A., Lenox; Dunlavy, H. F., Bedford; Dean, W. E., Bedford; Evans, J. E., Clearfield; Fritz, W. L., Clearfield; Golliday, A. M., Bedford; Graff, G. L., Bedford; Hall, A. P., Blockton; King, A. E., Blockton; Long, C. S., Lenox; Maxwell, J. P., Clearfield; McCole, J. T., Gravity; McCole, J. L., Gravity; Maiden, W. J., Lenox; McCole, C. W., New Market; Nelson, C. N., Bedford; Rhoades, H. B., Bedford; Rockwell, R. B., Bedford; Robbins, T. L., Clearfield; Remington, C. E., Bedford; Scroggs, J. P., Lenox; Tyler, O. D., Lenox; Wright, Frank, Conway; Walker, J. C., New Market; Woolman, H. H., New Market; Walker, O. G., New Market.

UNION.

Table listing names and locations for Union, including Aldrich, Ed. A., Creston; Atkinson, G. H., Creston; Bailey, A. S., Lorimer; Beerkle, J. F., Creston; Cherry, J. W., Creston; Christy, W. D., Shannon City; Coltrane, N. B., Afton; Foster, H. O., Creston; Flood, O. A., Creston; Gose, K. E., Lorimer; Kees, John, Creston; Leach, J. W., Creston; Loomis, F. W., Shannon City; Logan, G. W., Cromwell; McDaniel, A. B., Afton; Norton, H. M., Kent; Newcomb, G. D., Creston; Olinger, William, Thayer; St. John, L. E., Lorimer; Sullivan, E. F., Afton; Walker, L. M., Afton.

VAN BUREN.

| | |
|----------------------|------------|
| 1861 Blackman, B. P. | Bonaparte |
| 2875 Baker, W. S. | Farmington |
| 13 Cross, J. T. | Farmington |
| 3907 Davis, J. P. | Bonaparte |
| 5047 De Ford, Perry | Cantril |
| 6340 Ernst, C. C. | Birmingham |
| 3633 Franks, S. C. | Farmington |
| 4922 Jackson, T. O. | Keosauqua |
| 3805 Kirk, Fred. | Farmington |
| 2627 McKibbin, W. A. | Milton |
| 4261 Perkins, I. A. | Bonaparte |

WAPELLO.

| | |
|---------------------------|------------|
| 5443 Adams, C. E. | Ottumwa |
| 3546 Beck, W. R. | Ottumwa |
| 5919 Butcher, John | Blakesburg |
| 1007 Castle, O. A. | Ottumwa |
| 3388 Clark, F. B. | Ottumwa |
| 4229 Campbell, R. M. | Ottumwa |
| 5426 Campbell, Boston | Ottumwa |
| 1004 Elliott, W. D. | Ottumwa |
| 1415 Ennis, W. W. | Ottumwa |
| 4462 Elerick, J. S. | Blakesburg |
| 903 Gephart, Arthur | Ottumwa |
| 5911 Graham, H. A. | Ottumwa |
| 2704 Hartzschherr, O. Van | Ottumwa |
| 5412 Horner, L. C. | Ottumwa |
| 4108 Johnson, E. B. | Ottumwa |
| 4516 Kaiser, Theodore | Ottumwa |
| 3736 La Force, D. A. | Ottumwa |
| 4061 Larson, C. W. | Ottumwa |
| 3450 Moulson, W. Thede | Ottumwa |
| 4872 McOune, O. H. | Ottumwa |
| 5116 Moore, Ed J. | Eldon |

WARREN.

| | |
|------------------------|-----------|
| 4805 Fellows, E. H. | Milo |
| 5408 Graffunder, C. L. | Carlisle |
| 3425 Husted, D. W. | Indianola |
| 4729 Henderson, H. H. | Indianola |
| 4326 Irwin, Henry | Indianola |
| 3441 Kessing, J. J. | Cummings |
| 62 Nunnally, L. B. | Hartford |

WASHINGTON.

| | |
|-------------------------|------------|
| 2061 Allen, B. F. | Kaiona |
| 5008 Bull, A. S. | Wellman |
| 1430 Chilcote, W. E. | Washington |
| 1301 Cook, W. A. | Washington |
| 4533 Garris, E. C. | Washington |
| 5744 Critz, L. W. | Riverside |
| 3459 Dosh, C. W. | Brighton |
| 1303 Glasgow, L. G. | Washington |
| 2964 Glasgow, J. H. | Washington |
| 6057 Griffith, L. E. | Riverside |
| 4009 Hochstetler, B. F. | Kaiona |
| 4034 Henderson, J. M. | Washington |

WAYNE.

| | |
|-----------------------|-----------|
| 5472 Armstrong, E. C. | Seymour |
| 2769 Bruner, D. M. | Olio |
| 5759 Bruner, W. A. | Lineville |
| 1421 Clark, E. K. | Seymour |
| 2842 Downs, A. W. | Seymour |
| 5372 Parr, F. E. | Harvard |
| 1880 Hinkle, G. W. | Harvard |
| 2288 King, T. F. | Lineville |

WEBSTER.

| | |
|----------------------|------------|
| 5328 Bailey, G. J. | Lehigh |
| 5557 Brown, J. C. | Badger |
| 1688 Campbell, W. J. | Fort Dodge |
| 3805 Cole, I. C. | Dayton |
| 3875 Cole, C. F. | Dayton |
| 4834 Oatlin, F. S. | Gowrie |

| | |
|-------------------------|------------|
| 4643 Powers, E. A. | Milton |
| 310 Ragsdale, J. S. | Birmingham |
| 2876 Rice, J. A. | Milton |
| 3777 Reisinghaus, J. E. | Cantril |
| 5240 Roberts, F. H. | Keosauqua |
| 680 Strickling, J. C. | Keosauqua |
| 869 Summers, L. O. | Milton |
| 4428 Snyder, R. B. | Keosauqua |
| 5076 Sloan, J. A. | Leando |
| 4774 Warden, Harry E. | Bonaparte |

| | |
|----------------------------|-------------|
| 5475 Mynard, W. H. | Ottumwa |
| 3535 Mills, F. W. | Keb |
| 5604 Orr, A. J. | Eldon |
| 1594 Pelham, W. S. | Kirkville |
| 4071 Phelps, C. W. | Eldon |
| 193 Reynolds, A. J. | Agency |
| 4270 Reynolds, A. L. | Ottumwa |
| 5444 Reed, N. F. | Eldon |
| 5479 Robinson, C. W. | Ottumwa |
| 1789 Scott, E. M. B. | Ottumwa |
| 2196 Sampson, J. W. | Ottumwa |
| 2925 Sampson, S. Y. | Agency |
| 3540 Sargent, W. L. | Ottumwa |
| 4304 Swenson, J. H. L. | Ottumwa |
| 3286 Stephenson, George E. | Edgelyville |
| 5447 Scott, R. W. | Blakesburg |
| 1005 Taylor, C. O. | Ottumwa |
| 4184 Taylor, H. E. | Ottumwa |
| 894 Udehl, A. S. | Ottumwa |
| 2879 Wilson, J. E. | Ottumwa |
| 4517 Walker, G. L. | Ottumwa |

| | |
|------------------------|--------------|
| 4039 Osborne, E. A. | Indianola |
| 4344 Raiston, S. A. | Lacona |
| 3320 Starr, J. W. | Lacona |
| 5848 Trimble, Jesse E. | Indianola |
| 1585 Wilson, J. H. | New Virginia |
| 3832 Waugh, Walter | Milo |

| | |
|-----------------------|----------------|
| 3988 Israel, Mary | Brighton |
| 3293 Longwell, Jessie | Wellman |
| 5109 Linn, O. A. | Riverside |
| 3105 Lemmon, J. E. | Washington |
| 3105 Stewart, J. H. | Washington |
| 3353 Stewart, C. W. | Washington |
| 4172 Sherman, D. B. | Washington |
| 528 Walker, W. A. | Washington |
| 4417 Wray, A. M. | Kaiona |
| 5307 Waters, W. L. | Wellman |
| 5468 Weidlin, C. D. | Crawfordsville |
| 5741 Wray, J. A. | Wellman |

| | |
|----------------------|----------|
| 4905 Kidd, F. Z. | Allerton |
| 3738 McCulloch, Geo. | Humeston |
| 4459 McCoy, John R. | Kaiona |
| 4825 Morrison, T. L. | Seymour |
| 1873 Rankin, J. B. | Allerton |
| 523 Sprent, W. S. | Humeston |
| 5615 Shipley, E. P. | Corydon |
| 4055 Vanderley, John | Humeston |

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|------------------------|------------|
| 5117 Kuntson, G. W. | Callender |
| 3854 Larson, T. S. | Fort Dodge |
| 5221 Lagerquist, V. N. | Gowrie |
| 2335 McNamara, J. F. | Fort Dodge |
| 4874 Maber, W. F. | Fort Dodge |
| 5243 Miller, D. J. | Fort Dodge |

WEBSTER—CONTINUED.

| | |
|-------------------------|------------|
| 5591 Carver, R. F. | Burnside |
| 3803 Christensen, M. M. | Fort Dodge |
| 4226 Dittmer, A. O. H. | Fort Dodge |
| 4545 Flaherty, J. O. | Fort Dodge |
| 5263 Fallon, G. E. | Vincent |
| 2214 Gessell, C. L. | Duncombe |
| 4477 Griffin, H. M. | Fort Dodge |
| 3215 Hine, J. B. | Fort Dodge |
| 3875 Haire, W. W. | Fort Dodge |
| 4278 Hood, E. J. | Clare |
| 5331 Hood, T. R. | Clare |
| 4816 Kelm, Conrad | Fort Dodge |

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|------------------------|------------|
| 3803 Nordstrum, J. F. | Dayton |
| 1633 Olsson, O. M. | Fort Dodge |
| 5304 Peterson, O. V. | Lehigh |
| 5324 Peterson, A. O. | Gowrie |
| 5281 Sackett, R. W. | Fort Dodge |
| 2907 Saunders, C. J. | Clare |
| 3675 Vance, J. E. | Gowrie |
| 4816 Van Sickle, Clark | Callender |
| 3225 Waldrouger, J. C. | Fort Dodge |
| 4280 Willett, C. A. | Harcourt |
| 5230 Williams, H. D. | Barnum |

WINNEBAGO.

| | |
|------------------------|----------------|
| 5957 Butts, C. M. | Northwood |
| 4038 Cunningham, C. L. | Wodon |
| 4107 Fletcher, G. T. | Thompson |
| 5783 Glaze, A. H. | Buffalo Center |
| 4381 Helgeson, P. A. | Lake Mills |
| 2553 Koto, P. O. | Forest City |
| 2925 Keeler, C. E. | Lake Mills |
| 5050 McKay, J. H. | Buffalo Center |

WINNESHIEK.

| | |
|-----------------------|---------------|
| 5264 Allen, R. E. | Ridgeway |
| 3123 Blachaine, C. H. | Ostian |
| 4510 Brunt, L. W. | Decorah |
| 2286 Carhart, E. J. | Decorah |
| 5139 Horton, C. D. | Fort Atkinson |
| 5710 Lamm, J. J. | Decorah |
| 5758 Lomen, Gustav | Decorah |
| 1011 Mills, C. J. | Ostian |
| 3949 Miller, F. T. | Fort Atkinson |

WOODBURY.

| | |
|----------------------------|-------------------|
| 1786 Arnold, C. E. | Sioux City |
| 4710 Anderson, O. E. | Moville |
| 4907 Andreen, Carl | Sioux City |
| 2587 Ashford, G. W. | Sioux City |
| 3703 Beppier, J. F. | Sioux City |
| 4022 Brooks, H. A. | Oto |
| 5351 Baker, H. S. | Sioux City |
| 5526 Bradish, C. E. | Sioux City |
| 2690 Orady, E. E. | Sioux City |
| 3543 Oumings, L. P. | Sioux City |
| 4382 Crain, W. L. | Cushing |
| 4918 Countermeire, R. H. | Salix |
| 3642 Dewey, W. D. | Moville |
| 5426 Evans, F. D. | Sergeant's Bluffs |
| 3426 Franz, F. W. | Sioux City |
| 5053 Foster, O. G. | Sioux City |
| 3449 Guiney, H. P. | Sioux City |
| 774 Hope, G. T. | Sioux City |
| 1185 Hansen, F. A. | Sioux City |
| 3201 Henderson, M. Richard | Sioux City |
| 3332 Haefner, E. O. | Sioux City |
| 5130 Harstad, E. C. | Sioux City |
| 5122 Jones, G. H. | Salix |
| 3144 Knos, L. P. | Sioux City |
| 3555 Klise, J. F. | Sioux City |
| 4861 Kloster, B. J. | Sioux City |
| 1386 Loucks, R. H. | Danbury |
| 2218 Lass, D. G. | Pierson |
| 4289 Lander, W. E. | Sioux City |
| 4885 Lundgren, C. W. | Sioux City |
| 5292 Lerch, Fred, Jr. | Sioux City |

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| 1917 Moncrief, C. S. | Sioux City |
| 2569 Montross, G. D. | Sloan |
| 2680 Maroz, F. W. | Sergeant's Bluffs |
| 2963 Moore, E. H. | Sioux City |
| 2904 Moore, A. J. | Sioux City |
| 3382 Mowrer, J. B. | Sioux City |
| 3313 Malone, Edmund | Sioux City |
| 6081 Meinzer, A. E. | Sioux City |
| 4521 Nichols, C. E. | Sioux City |
| 5086 Nichols, F. E. | Pierson |
| 4878 O'Day, J. W. | Danbury |
| 5433 O'Day, J. J. | Danbury |
| 1419 Rice, Charles | Smithland |
| 3285 Smith, C. E. | Correctionville |
| 3043 Scherling, Gustav | Sioux City |
| 2352 Schmidt, W. F. | Sioux City |
| 3304 Sedwick, W. L. | Sioux City |
| 4153 Samuelson, J. A. | Sioux City |
| 4784 Smith, F. N. | Sioux City |
| 4736 Soper, G. M. | Sioux City |
| 4919 Strauss, Carl | Sioux City |
| 5169 Southwick, M. E. | Moville |
| 3459 Thompson, E. T. | Sioux City |
| 3640 Thlauder, C. C. | Sioux City |
| 3724 Tesfey, Daniel | Anton |
| 4628 Thompson, Joseph | Sioux City |
| 2204 Wright, W. M. | Correctionville |
| 4468 Wendell, Ed | Smithland |
| 5725 Whitemuth, T. G. | Sioux City |
| 2608 Yockey, C. C. | Correctionville |
| 4767 Young, John | Hornick |

WORTH.

| | |
|--------------------|-----------|
| 5266 Brown, L. O. | Northwood |
| 5101 Dillon, G. W. | Northwood |
| 944 Emery, J. F. | Kensett |
| 4981 Emery, G. W. | Northwood |
| 4419 Hansen, A. W. | Northwood |
| 5198 Gray, H. E. | Kensett |
| 1833 Jones, J. E. | Fertile |

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| 5436 Phillips, Mrs. N. W. | Fertile |
| 5434 Robinson, C. E. | Northwood |
| 4560 Swallow, George | Grafton |
| 4963 Sanders, G. W. | Manley |
| 5700 Sanders, W. O. | Manley |
| 2515 Thorson, Nels | Northwood |
| 945 Wilson, O. R. | Kensett |

WRIGHT.

| | | | |
|----------------------|-------------|------------------------|-------------|
| 4699 Bohning, A. E. | Belmond | 3070 Morse, C. H. | Eagle Grove |
| 5632 Coulson, H. C. | Clarion | 3841 Mulnix, A. B. | Dows |
| 4732 Edwards, J. E. | Eagle Grove | 3581 McAdams, A. E. | Holmes |
| 2005 Frank, E. S. | Clarion | 2462 Newman, E. P. | Dows |
| 5053 Farran, J. S. | Rowan | 3269 Nichols, W. E. | Eagle Grove |
| 3132 Finn, G. W. | Galt | 2532 Parker, L. T. | Eagle Grove |
| 3141 Harr, D. D. | Belmond | 5217 Prann, W. E. | Goldfield |
| 4494 Hamilton, L. O. | Clarion | 2291 Smallpalge, R. H. | Eagle Grove |
| 4614 Haygard, W. W. | Clarion | 3601 Smith, J. O. | Eagle Grove |
| 4618 Hills, F. N. | Clarion | 3765 Smallpalge, J. B. | Eagle Grove |
| 5411 Hamenway, J. R. | Dows | 4236 Smith, J. O. | Woolstock |
| 5651 Hartsock, L. M. | Clarion | 4803 Stauffer, W. F. | Eagle Grove |
| 5448 Gregory, C. W. | Goldfield | 2693 Will, F. J. | Eagle Grove |
| 3824 Kenedick, T. H. | Belmond | 5024 Wood, H. L. | Eagle Grove |
| 2682 Mulnix, J. A. | Dows | | |

SYNOPSIS OF STATE PHARMACY REGISTER.

From May 1, 1897, to May 1, 1899.

REGISTRATIONS, REVOCALS, FORFEITURES, ETC.

| | |
|-------------------------------------------------------------------------------------------------------------|----------|
| Number of examinations | 566 |
| Number of re-examinations | 309 |
| Total number of examinations | 875 |
| Of this number 306 have passed successful examinations and gold seal certificates have been granted them. | |
| Registered as graduates | 114 |
| Number of registered pharmacists who have died in two years.. | 58 |
| Number of certificates canceled at owner's request | 33 |
| Total number of certificates revoked, canceled and super- seded (become void) | 91 |
| Number of certificates issued during same time. { Red seal..... | 114 |
| { Gold seal..... | 306— 420 |
| Showing a gain in the two years of | 329 |
| Number of certificates in active force in the state May 1, 1897... | 2,836 |
| Number of certificates in active force in the state May 1, 1899... | 2,987 |
| Being 151 more May 1, 1899, than at last report May 1, 1897..... | 151 |
| Of the above 2,987 certificates in force May 1, 1899, there were in active business as proprietors | 1,786 |
| In active business as clerks | 642 |
| Total in active business | 2,428 |
| Proprietors and clerks out of business | 559 |
| Total number registered since passage of the pharmacy law to September 1, 1899 | 2,987 |
| | 5,793 |

CERTIFICATE.

IOWA COMMISSIONERS OF PHARMACY, }
 OFFICE OF THE SECRETARY, }
 STATE CAPITOL, DES MOINES, IOWA. }

I, Charles W. Phillips, secretary of the commissioners of pharmacy for the state of Iowa, hereby certify that the foregoing abstract of the state pharmacy register is copied from the original register on file in this office, and that the same is true and correct.

In testimony whereof, I have hereunto set my hand and affixed the seal of the commission this 15th day of September, A. D. 1899.

[SEAL.]

CHARLES W. PHILLIPS,
Secretary of the Commission.

OFFICIAL RULES OF THE COMMISSIONERS OF
PHARMACY.

The following rules have been adopted by the commission in accordance with the authority of code, section 2584, as amended by the Twenty-seventh General Assembly, 1898:

RULE 1. For the purpose of facilitating the enforcement of the pharmacy law, the state has been districted, and the counties assigned to each of the commissioners are as follows:

To Commissioner N. T. Hendrix, Columbus Junction, Iowa.—Adair, Adams, Appanoose, Cass, Clarke, Davis, Decatur, Des Moines, Fremont, Henry, Jefferson, Keokuk, Lee, Louisa, Lucas, Madison, Marion, Monroe, Montgomery, Mills, Muscatine, Mahaska, Page, Ringgold, Taylor, Union, Van Buren, Wapello, Warren, Washington, Wayne.

To Commissioner W. L. Leland, Hawarden.—Allamakee, Bremer, Buena Vista, Butler, Cerro Gordo, Cherokee, Chickasaw, Clay, Clayton, Dickinson, Emmet, Fayette, Floyd, Franklin, Hancock, Howard, Humboldt, Kossuth, Lyon, Osceola, Mitchell, Palo Alto, Pocahontas, Plymouth, Sioux, Winnebago, Winneshiek, Woodbury, Worth, Wright.

To Commissioner Fletcher Howard, Des Moines.—Audubon, Benton, Black Hawk, Boone, Buchanan, Calhoun, Carroll, Cedar, Clinton, Crawford, Dallas, Delaware, Dubuque, Greene, Grundy, Guthrie, Hamilton, Hardin, Harrison, Ida, Iowa, Jackson, Jasper, Johnson, Jones, Linn, Marshall, Monona, Polk, Pottawattamie, Poweshiek, Sac, Scott, Shelby, Story, Tama, Webster.

All complaints of violation of the pharmacy law should be referred to the commissioner in whose district they occur.

RULE 2. All examinations in pharmacy will be held in the office of the pharmacy commission, at the capitol building, in the city of Des Moines, on the first Tuesday of each month, excepting when such day occurs on a legal holiday or a day usually observed as a holiday, when such examination will be held on the Thursday following.

RULE 3. All applications for examination shall be made upon blank forms which will be furnished by the secretary of the commission on request.

RULE 4. All applicants for examination must be 21 years of age, of good moral character, able to speak, read and write the English language, and possessed of sufficient general education. Such applicant must have pursued the study of pharmacy for two full years in actual apprenticeship with a registered pharmacist in a drug store, or must be a graduate of a recognized medical school, who has engaged for the three years last past in the actual and active practice of medicine. But the time actually spent in

a recognized school of pharmacy, not exceeding one year, shall be allowed as a credit on above time. Applicants are required to correctly answer 75 per cent of the questions submitted by the commission on examination.

RULE 5. Persons over 18 and under 21 years of age, possessing the other qualifications provided in rule 4, may be registered as assistant pharmacists and will receive certificates accordingly, and when the holder attains his majority, said certificate may be exchanged upon application for a certificate of full registration.

RULE 6. Graduates of pharmacy schools desiring registration will make application upon blanks to be furnished by the commission, accompanied by their diploma, and shall furnish such proof regarding the course of study pursued therein as may be required by the commission.

RULE 7. In all cases where registered pharmacists have two certificates of registration, the last certificate issued will supersede the former, and renewals will be required on the last one only.

RULE 8. Examinations shall be conducted in writing, and the applicant shall be allowed no assistance of any kind, verbal or oral, therein. Any applicant violating this rule and receiving aid in his examination may be summoned by the commissioners and required to submit to a new examination. Should the person so summoned refuse or neglect to obey the order of the commission, or should he appear from such second examination to be incompetent and not possessed of the requisite knowledge and skill, the commissioners will cancel his certificate and strike his name from the register. In like manner they will cancel the certificates of all persons who have secured registry by fraud or false representation.

RULE 9. Whenever application is made to the commission to revoke certificates of registration for violation of any of the laws governing registered pharmacists, the prosecution shall present and file with the secretary of this board a duly certified transcript of the final judgment of conviction, identifying the guilty party by giving the number of his or her certificate of registration. Upon the filing of the application for revocation, with the transcript aforesaid, the commission shall fix a time for the hearing thereof, and shall cause written notice of said complaint to be served upon the accused at least ten days prior to the time fixed for such hearing. Said notice shall in general terms inform the accused of the nature of the charge against him, and of the time when and of the place where the same will be heard. The accused may, on or before the day set for the hearing, show cause why his certificate should not be revoked.

RULE 10. Licenses issued to itinerant vendors of drugs, nostrums, ointments, "or appliances of any kind for the treatment of disease or injury," by this commission, under the provisions of section 2594 of the code, can be transferred by the owner thereof sending the same to the secretary of the commission, who shall record the transfer and make the endorsement upon the license, and the transferee shall be entitled to use the same for the unexpired portion of the term.

RULE 11. All pharmacists are forbidden to sell any bitters, cordials, elixirs, wines, etc., put up in the form of proprietary medicines, where the same can be used as an intoxicant, unless the pharmacist holds a permit authorizing him to sell intoxicating liquors, and sale must be made then only in the same manner as any other intoxicating liquor, by requiring the purchaser to apply in writing therefor upon the regular form.

RULE 12. With this official circular will be found the following official forms:

A—Notice of application for permit.

B—Petition for permit.

C—Bond.

D—Permits to buy, keep and sell intoxicating liquors.

E—Request of purchasers. Series A and B.

F—Permit holders' record of purchases, sales and uses.

G—Permit holders' bi-monthly statement to the county auditor of purchases, sales and uses.

H—Permit holders' bi-monthly report and affidavit of request.

These forms have been adopted by the commission, and all pharmacists holding permits to buy, keep and sell intoxicating liquors are required to use forms E, F, G and H.

RULE 13. These rules shall be in force and effect ten days after the date of their publication in the official circular of the commissioners of pharmacy, and when they take effect all previous rules adopted by the commission shall be superseded.

FLETCHER HOWARD,
N. T. HENDRIX,
W. L. LELAND,
Commissioners.

NOTICE TO PHARMACISTS.

For the guidance and information of pharmacists throughout the state, the commissioners desire to call attention to some of the important provisions of the statute.

First.—That none but registered pharmacists can conduct a drug store or pharmacy; they must be the principals and managers of the store in *all its management*; neither can they allow anyone not registered to sell medicines or poisons, or dispense physicians' prescriptions, except under their direct supervision. (See supreme court decision, *State v. Norton*, 67 Iowa, page 641.)

Second.—Sales of medicines and poisons can only be made by a proprietor, principal or clerk who is a registered pharmacist, and who is required to keep a record of all poisons sold, included in schedule A of section 2593 of the code.

Third.—The certificates of all registered pharmacists must be conspicuously posted in the place of business or pharmacy which they are conducting, or in which they are employed, with the renewal certificate placed in the lower left hand corner, and change of locality certificate (if they have changed their locality) in lower right hand corner of each certificate, to show to the public that their certificate of registration is in full force and effect.

Fourth.—All registered pharmacists when they change their locality are required to notify the secretary of the commission, and have their change of locality recorded, otherwise they are liable to a fine for each month's delinquency, and when so delinquent their certificates are not in full force and effect.

Fifth.—A registered pharmacist's certificate is regarded "in full force and effect," when he holds a renewal of his certificate from March 22d to March 22d of the current year, and change of locality certificate if he has changed his location, unless subsequently forfeited and revoked.

Sixth.—Annual renewals are not required or issued for the first part of a year preceding the 22d day of March; the pharmacist's certificate of registration is evidence that it is in full

force and effect from the date of its issuance to the following 22d of March; however, the certified statement up to date of the secretary of the commission of pharmacy, under official seal of said commission, is regarded the best legal evidence as to whether a person is registered or not.

Seventh.—Registered pharmacists are exempt from jury duty. (See section 333, code of 1897.)

Eighth.—The code, section 2593, regulating the sale of poisons, is applicable to all patent preparations and non-secret preparations containing poisons enumerated in schedules "A" and "B."

It is unlawful for any person except a registered pharmacist to sell such preparations for any purpose whatever.

Ninth.—The sale of homeopathic medicines, except such as the law denominates "proprietary medicines," properly comes under the regulations of the pharmacy law, and all proprietary medicines containing poisons can be sold only by registered pharmacists as provided by the pharmacy law. The sale, therefore, of any quantity of poison or poisonous preparations enumerated in section 2593 of the code, or of proprietary medicines containing such poisons, can only be made by registered pharmacists. In our opinion, a technical construction is warranted in the sale of a single bottle of these remedies (except as provided in section 2593), for notwithstanding the contents of an entire bottle proved harmless, the purchase and use of several bottles of the same might be fatal.

Tenth.—It is impossible to keep a correct alphabetical list of names of the pharmacists of the state because of the constant change made in the list; we therefore earnestly request all registered pharmacists when corresponding with the commission to give the number of their certificates as well as their names.

FLETCHER HOWARD,
N. T. HENDRIX,
W. L. LELAND,

Commissioners.

[Code of 1897, as amended by Twenty-seventh General Assembly, 1898.]

CHAPTER 6.

TO REGULATE THE KEEPING AND SALE OF INTOXICATING LIQUORS BY REGISTERED PHARMACISTS.

SEC. 2385. *Permits.*—Persons holding permits may sell and dispense intoxicating liquors, not including malt liquors for pharmaceutical and medical purposes, and to permit holders for use and resale by them, only for the purposes authorized in this chapter; they may also sell and dispense alcohol for specified chemical and mechanical purposes, and wine for sacramental uses. Registered pharmacists, physicians holding certificates from the state board of medical examiners, and manufacturers of proprietary medicines may buy from permit holders intoxicating liquors (not including malt) for the purpose of compounding medicines, tinctures and extracts that cannot be used as a beverage, but nothing herein contained shall be construed to authorize the manufacture or sale of any preparation or compound, under any name, form or device, which may be used as a beverage, and which is intoxicating in its character.

SEC. 2386. *Pharmacists—manufacturers of proprietary medicines.*—If any such registered pharmacist or manufacturer of proprietary medicines shall sell, barter, give, exchange, dispose of or use intoxicating liquors in any manner or for any purpose other than authorized in the preceding section, he shall be liable to all the penalties and proceedings provided for in this chapter, and, upon proof of such violation by a registered pharmacist, the clerk of the district or superior court shall transmit to the commissioners of pharmacy a certified copy of the record thereof within ten days after its entry, and upon receipt of such certified copy said commissioners may strike his name from the list of registered pharmacists and cancel his certificate. The commissioners of pharmacy are empowered to make such further rules and regulations, not inconsistent with law, with respect to the purchase, keeping and use of intoxicating liquors by registered pharmacists and manufacturers of

proprietary medicines, as they shall think proper to prevent abuses of the privilege, and shall revoke the certificate of registration of any pharmacist for repeated violations of this chapter. Said commissioners are authorized to draw from the state treasury an amount not exceeding 50 per cent of the clear proceeds of all fees collected and paid into the treasury of any county on account of violations of the provisions of this chapter or the chapter regulating the practice of pharmacy, prosecuted by the commissioners, the amount so drawn to be used solely in prosecutions instituted by them for failure to comply with the provisions of such chapters. The court or clerk thereof, before whom any prosecution is instituted or prosecuted by the commissioners of pharmacy, shall certify to the auditor of state all such cases, and the amount of fees imposed and collected therein. The expenses thus incurred by the commission shall be audited by the executive council, and the amount thereof shall be drawn from time to time upon the warrants of the state auditor.

SEC. 2387. *Application for permit.*—All applications for a permit to sell intoxicating liquors for the purposes allowed in this chapter shall be by petition, signed and sworn to by the applicant, and filed in the office of the clerk of the district or superior court of the county or city in which the buying and selling is to be carried on at least ten days before the term at which the matter is to be for trial, which petition shall set out the name of the applicant, his residence and business and that for the two previous years, the place, particularly describing it, where the business is to be conducted, that he is a citizen of the United States and of this state, that he is a registered pharmacist, that now and for the six months last past he has been lawfully conducting a pharmacy in the township, town or city wherein he proposes to engage in the business under the permit applied for, that he has not been adjudged guilty of any violation of the law relating to intoxicating liquors within the two years next preceding the making of his application, is not the keeper of a hotel, eating house, saloon, restaurant or place of public amusement, and that he is not addicted to the use of intoxicating liquors as a beverage, and desires a permit to buy, keep and sell liquors for lawful purposes only. If the applicant has previously held a permit which has been revoked, his petition, in addition to the foregoing requirements, shall state

that he has not, within the last two years next before making the application, knowingly been engaged, employed or interested in the unlawful manufacture, sale or keeping with intent to sell of intoxicating liquors.

SEC. 2388. *Notice.*—Notice of an application for a permit must be published for three consecutive weeks in a newspaper regularly published and printed in the English language, and of general circulation in the township, town or city where the applicant proposes to conduct the business, or, if none be regularly published therein, then in one of the papers selected by the board of supervisors for the publication of its proceedings, the last publication of which shall be not less than ten nor more than twenty days before the first day of the term at which the hearing is to be had. This notice shall state the name of the applicant, with the firm name, if any, under which he is doing business, the purpose of the application, the particular location of the place where the proposed business is to be carried on, and that the required petition is or will be on file in the clerk's office of the court (naming it) at least ten days before the first day of the term (naming it) when the application will be made. A copy of such notice shall be served upon the county attorney in the same manner and for the same length of time as is required of original notices in said courts.

SEC. 2389. *Hearing—remonstrances.*—Upon the return day of the notice, the court having, from an inspection of the record, ascertained that due and timely service thereof has been made, shall, if no remonstrance has been or is offered to be filed, unless for cause postponed to some other day in the term, proceed to hear and try the application. Any remonstrance against or objection to the granting of the permit must be in writing and filed in the clerk's office by noon of the first day of the term, unless further time be given, and shall be so filed before the date fixed for the trial. Such remonstrance or objections may be made by any citizen of the county wherein the application is made, specifically stating the reasons therefor, and the court shall fix a day in the term for the trial, and all applications shall be tried at the first term after completed service has been made of the required notice, if the business of the court shall allow. No permit shall be granted unless the court shall find from competent evidence that all the averments in the petition are true, that the reasonable convenience and necessities of the people, considering the population and all the surroundings, make the

granting of the permit proper, and that the applicant is possessed of the character and qualifications required, worthy of the trust to be reposed in him, and likely to discharge the same with fidelity. The county attorney shall appear in such cases, and any number of persons, not less than five, filing any remonstrance or objection, may also appear by counsel and resist the application. If more than one permit is applied for in the same locality, the applications shall be heard at the same time, unless for cause shown it be otherwise ordered. If for any reason the application cannot be tried in term time, the same may be heard by the judge in vacation, at a time to be fixed by the court and made of record, and in all applications for permits the court may grant or refuse any or all applications, as will best subserve the public good.

SEC. 2390. *Bond.*—No permit shall issue until the applicant shall execute to the state a bond in the penal sum of \$1,000, with good and sufficient sureties to be approved by the clerk of the court, conditioned that he will well and truly observe and obey the laws of the state now or hereafter in force in relation to the sale of intoxicating liquors, that he will pay all fines, penalties, damages and costs that may be assessed or recovered against him for a violation of such laws during the time for which the permit is granted, and the principal and sureties in said bond shall be liable thereon, jointly and severally, for all civil damages and costs that may be recovered against the principal in any action brought by a wife, child, parent, guardian, employer or other person under the provisions of this chapter. The bond, after being approved by the clerk, shall be deposited with the county auditor, and suit may be brought thereon at any time by the county attorney, or by any person for whose benefit the same is given. The clear proceeds of all other money which may be collected for breaches of the bond shall go to the school fund of the county. If at any time the sureties on the bond shall file with the court or clerk a written request for release, or become insolvent, or be deemed insufficient by the court granting the permit, or its clerk, such court or clerk shall require a new bond to be executed within a reasonable time to be fixed. If the permit holder fails or neglects to furnish a new bond within the time so fixed, the permit shall from that date become null and void.

SEC. 2391. *Oath of applicant.*—In addition to giving the bond required, the applicant shall take and subscribe the following

oath, which shall be indorsed upon the bond: "I, do solemnly swear (or affirm) that I will well and truly perform all and singular the conditions of the within bond, and keep and perform the trust confided in me to purchase, keep and sell intoxicating liquors. I will not sell, give or furnish to any person any intoxicating liquors otherwise than as provided by law, and especially I will not sell or furnish any intoxicating liquors to any person who is not known to me personally, or duly identified, nor to any minor, intoxicated person, or persons who are in the habit of becoming intoxicated; and I will make true, full and accurate returns of all certificates and requests made to or received by me as required by law; and said returns shall show every sale and delivery of such liquors made by me, or for me, during the months embraced therein, and the true signature to every request received and granted; and such returns shall show all the intoxicating liquors sold or delivered to any and every person, as returned."

SEC. 2392. *Permit issued.*—Upon taking said oath and filing said bond, the clerk of the court granting the same shall issue a permit to the applicant, authorizing him to keep and sell intoxicating liquors as in this chapter provided. The permit so issued shall specify the building, give the street and number or location in which intoxicating liquors may be sold by virtue of the same, and the length of time the same shall be in force, unless sooner revoked. *Provided*, that upon the lease or destruction of the building where such business is conducted, or for other good and sufficient cause shown, consent in writing of the bondsmen having been obtained therefor, or a new bond given, the district court of the county which granted said permit, or a judge of said court, may change the place specified in said permit to some other place in the same city or township, upon motion therefor. A copy of said motion, and notice of the time when and the place where the same shall be heard, shall be given to the county attorney of the county where said place is situated at least five days before said hearing.

SEC. 2393. *Record—costs.*—The clerk of the court granting the permit shall preserve, as a part of the record and files in his office, all petitions, bonds and other papers pertaining to the granting or revocation of permits, and keep suitable books in which bonds and permits shall be recorded. The books shall be furnished by the county like other public records. Whether said permit be granted or refused, the applicant shall pay the

costs incurred in the case, and when granted he shall make payment before any permit issue, except the court may tax the cost of any witnesses summoned by private persons resisting said application, and the fees for serving such subpoenas, to such persons, when it is shown that such witnesses were summoned maliciously or without probable cause to believe their evidence material. The fees in such cases shall be as provided in actions at law in the district court.

SEC. 2394. *Requests to purchase.*—Before selling or delivering any intoxicating liquors to any person, a request must be signed by the applicant, in his true name, truly dated, stating the applicant is not a minor, his residence, for whom and whose use the liquor is required, and his true name and residence, and, where numbered, by street and number if in a city, the amount and kind required, the actual purpose for which the request is made and for what use desired, and that neither the applicant nor the person for whose use requested habitually uses intoxicating liquors as a beverage, and attested by the permit holder who receives and fills the request. The request shall be refused unless the permit holder has reason to believe the statement to be true, and in no case granted unless the permit holder filling it personally knows the person applying is not a minor, intoxicated, nor in the habit of using intoxicating liquors as a beverage; or, if the applicant is not so personally known, before filling the order or delivering the liquor, he shall require identification, and the statement in writing of a reliable and trustworthy person, of good character and habits, known personally to him, that the applicant is not a minor, nor in the habit of using intoxicating liquors as a beverage, and is worthy of credit as to the truthfulness of the statements in the application; and this statement so made shall be signed by the witness in his own name, stating his residence correctly.

SEC. 2395. *Penalties.*—If any person shall make any false or fictitious signature, or sign any name other than his own to any paper required to be signed, or make any false statement in any paper or application signed to procure liquors, the person so offending shall be punished by a fine of not less than \$20 nor more than \$100 and costs of prosecution, and shall be committed until said fine and costs are paid, or shall be imprisoned not less than ten nor more than thirty days. If any permit holder or his clerk shall make false oath touching any matter required to be sworn to, the person so offending shall be punished as provided

by law for perjury. If any person holding a permit under this chapter shall purchase or procure any intoxicating liquor otherwise than as herein authorized, or make any false return to the county auditor, or use any request for liquors for more than one sale, he shall be guilty of a misdemeanor and punished accordingly.

SEC. 2396. *Transportation by permit holder.*—Every permit holder is hereby authorized to ship to registered pharmacists and manufacturers of proprietary medicines intoxicating liquors to be used by them for the purposes authorized by law. All railway, transportation and express companies and other common carriers are authorized to receive and transport the same upon presentation of a certificate from the clerk of the district or superior court of the county where the permit holder resides, that such person is permitted to ship intoxicating liquors under the law of this state.

SEC. 2397. *Returns by permit holder.*—On or before the 15th day of January, March, May, July, September and November of each year each permit holder shall make full returns to the county auditor under oath, of all requests filled by him and his clerks during the two preceding months, which oath shall be in the following form: "I,, being duly sworn, on oath state that the requests for liquors herewith returned are all that were received and filled at my pharmacy (or place of business) during the months of, A. D. . . . ; that I have carefully preserved the same, and that they were filled up, signed and attested at the date shown hereon, as provided by law; that said requests were filled by delivering the quantity and kinds of liquors required, and that no liquors have been sold or dispensed under color of my permit during said months except as shown by the requests herewith returned, and that I have faithfully observed and complied with the conditions of my bond and oath taken by me thereon indorsed, and with all the laws relating to any duties in the premises.

SEC. 2398. *Account of purchases and sales.*—Every permit holder shall keep strict account of all liquors purchased or procured by him in a book kept for that purpose, which shall be subject at all times to the inspection of the commissioners of pharmacy, the county attorney, any grand juror, sheriff or justice of the peace of the county, and such book shall show of whom such liquors were purchased or procured, the amount

and kind, the date of receipt and amount sold; also the amount on hand of each kind for each two months, and at the same time he returns requests to the county auditor he shall file a statement of such account with such auditor, except that the items of sales need not be embraced therein, but the aggregate amount of each kind shall be, and such statement shall be verified. All forms necessary to carry out the provisions of this chapter not otherwise provided for shall be as may be provided by the commissioners of pharmacy.

SEC. 2399. *Illegal sales by permit holder—evidence.*—Every permit holder or his clerk shall be subject to all the penalties, forfeitures and judgments, and may be prosecuted by all the proceedings and actions criminal and civil, whether at law or in equity, provided for or authorized by this chapter, and the permit shall not shield any person who abuses the trust imposed by it or violates the law. In case of conviction in any proceeding, civil or criminal, the liquors in possession of the permit holder shall by order of the court be destroyed, and on the trial of an action or proceeding against any person for manufacturing, selling, giving away or keeping with intent to sell intoxicating liquors in violation of law, or for any failure to comply with the conditions or duties imposed by law, the requests for liquors and returns made to the auditor, the quantity and kinds of liquors sold, or kept, purchased or disposed of, the purpose for which liquors were obtained by or from him and for which they were used, the character and habits of sobriety or otherwise of the purchasers, shall be competent evidence, and may be considered, so far as applicable to the particular case, with any other recognized, competent and material facts and circumstances bearing on the issues involved in determining the ultimate facts. In any suit, prosecution or proceeding under this chapter the court shall compel the production in evidence of any books or papers required to be kept, and shall compel any permit holder, his clerk, or any person who has purchased liquors of either of them, to appear and give evidence, but such oral evidence shall not be used against such person or witness on the trial of any criminal proceeding against him.

SEC. 2400. *Revocation of permit.*—Permits shall be deemed trusts reposed in the recipients, and may be revoked upon sufficient showing by order of a court or judge. Complaint may be presented at any time to the district or superior court, or a judge

thereof, which shall be in writing and signed and sworn to by three citizens of the county in which the permit was granted. A copy of the complaint shall, with a notice in writing of the time and place of hearing, be served on the accused five days before the hearing, and if the complaint is sufficient, and the accused appear and deny the same, the court or judge shall proceed without delay, unless continued for cause, to hear and determine the controversy. If continued or appealed at the instance of the permit holder, his permit may, in the discretion of the court, be suspended pending the controversy. The complainant and accused may be heard in person or by counsel, or both, and proofs may be offered by the parties; and if it shall appear upon such hearing that the accused has in any way abused the trust, or that liquors are sold by the accused or his employes in violation of law, or dispensed unlawfully, or he has in any proceeding, civil or criminal, within the last two years, been adjudged guilty of violating any of the provisions of this chapter, the court or judge shall revoke and set aside the permit; the papers and order in such case shall be immediately returned to and filed by the clerk of the court, and, if heard by a judge, the order shall be entered of record as if made in court; and if in this or any other proceeding, civil or criminal, it shall be adjudged by the court or judge that any registered pharmacist, proprietor or clerk, has been guilty of violating any provision of this chapter, such adjudication may be by the commissioners of pharmacy regarded as sufficient, if repeated, to work a forfeiture of his certificate of registration. It shall be the duty of the clerk to forward to the commissioners of pharmacy transcripts of such judgments or orders without charge therefor, and as soon as practicable after final judgment or order has been made and entered.

SEC. 2401. *How business conducted—clerks—physicians.*—A permit holder may employ not more than two registered pharmacists as clerks to sell intoxicating liquors in conformity to the permit and the law; but in such cases the acts of clerks in conducting the business shall be considered the acts of the permit holder, who shall be liable therefor as if he had personally done them, and in making returns, the verification of such requests as may have been received, attested and filed by the clerk must be made by such clerk, and the clerk who transacted any of the business under the permit must join in the general oath required

of the employer, so far as relates to his own connection therewith. If for any cause a registered pharmacist who holds a permit shall cease to hold a valid and subsisting certificate of registration or renewal thereof, his permit shall be forfeited and be null and void. Nothing contained in this chapter shall be construed to prevent licensed physicians from in good faith dispensing liquors as medicines to patients actually sick and under their treatment. In case a permit holder shall die, his personal or legal representative may continue the business, subject to the provisions hereof, through the agency of any reputable registered pharmacist, upon the approval of the court granting such permit, or the clerk thereof, and the giving of a bond as hereinbefore provided.

SEC. 2402. *Intoxication punished.*—If any person shall be found in a state of intoxication he is guilty of a misdemeanor, and any peace officer shall, without a warrant, take him into custody and detain him in some suitable place until an information can be made before a magistrate, and a warrant of arrest issued, under which he shall at once be taken before the magistrate issuing the same, or, if for any reason he cannot act, to the next nearest one, where he shall be tried, and, if found guilty, shall be fined in the sum of not less than \$5 nor more than \$25 and costs of prosecution, or imprisoned in the county jail not more than thirty days. The penalty, or any portion of it, may be remitted by the magistrate before whom the trial is had, and the accused discharged from custody, upon his giving information in writing and under oath, stating when, where and of whom he purchased or received the liquor which produced the intoxication, and the kind and character of this liquor, and, in addition, giving bail for his appearance before any court to give evidence in any action or complaint to be commenced or preferred against such party for furnishing the same.

SEC. 2403. *Selling or giving to minor or intoxicated person or person in the habit of becoming intoxicated.* No person by himself, agent or otherwise, shall sell or give any intoxicating liquors to any minor for any purpose, except upon written order of his parent, guardian or family physician, or sell the same to any intoxicated person or one in the habit of becoming intoxicated. Any person violating the provisions of this section shall forfeit and pay the sum of \$100, to be collected by action against him,

or, if a permit holder, against him and the sureties on his bond. Such action may be brought by any citizen of the county. One-half of the amount so collected shall go to the informer and one-half to the school fund of the county.

SEC. 2432. *Payment of mullet tax.*—Any permit holder selling intoxicating liquors as a beverage shall pay the tax provided for in this section.

CHAPTER 18.

OF PRACTICE OF PHARMACY.

SECTION 2584. *Commissioners—powers.*—The commission of pharmacy shall consist of three competent pharmacists who have been for the preceding five years residents of the state and engaged in practicing pharmacy, one of whom shall be annually appointed by the governor and hold office for three years and until his successor is appointed and qualified. The commission shall have power to make all needed regulations for its government and for the proper discharge of its duties under this chapter, the same to be done without expense to the state, save the necessary blanks and stationery, which shall, upon requisition, be furnished by the secretary of state, and make such other regulations not inconsistent with law and as authorized in this code, respecting the purchase, keeping and use of intoxicating liquors by registered pharmacists not permit holders, as may be required for the prevention or abuse of the trust reposed in them, and such other matters as may be hereinafter specifically enumerated.

SEC. 2585. *Secretary and treasurer.*—The commissioners of pharmacy shall annually, on the first Monday in May, elect a suitable person, who shall not be a member of said board, and who shall be known as secretary and treasurer; said secretary and treasurer shall enter upon the discharge of his duties as soon as he shall have filed with the secretary of state a good and sufficient bond in the penal sum of \$3,000, signed by at least two sureties, who shall justify in the aggregate to double the amount of said bond, and which shall bear upon its face the approval of the governor. The salary of said secretary and treasurer shall not exceed \$1,500 per annum.

SEC. 2586. *License fees.*—The secretary and treasurer shall keep in his office a book known as the "commissioners of pharmacy license fee book," which shall be made with ruled columns and printed headings, showing the date, the name of the person paying, and the amount of each license and fee paid, in which he shall enter all fees for licenses received by him, and on the first Monday of each month he shall file with the auditor of state a true statement thereof for the previous month, properly sworn to by him, and shall quarterly pay into the state treasury, on the first day of January, April, July and October of each year, the amount of license fees payable by law into such treasury.

SEC. 2587. *Records—compensation.*—The books, accounts, vouchers and funds belonging to or kept by said board of pharmacy shall at all times be open or subject to the inspection of the governor, or any committee appointed by him. Each commissioner of pharmacy shall receive as full compensation for his services the sum of \$5 for each day actually employed in the discharge of his official duties, together with his actual traveling expenses in performing said duties, all of which shall be paid from the fees of the office, and each commissioner shall file with the auditor of state, at the end of each quarter of his official year, an itemized statement under oath of his actual time in days employed in the discharge of his duty and traveling expenses incurred in the performance of his duty for such quarter.

SEC. 2588. *Registered pharmacists.*—No person not a registered pharmacist shall conduct the business of selling at retail, compounding or dispensing drugs, medicines or poisons, or chemicals for medicinal use, or compounding or dispensing physicians' prescriptions as a pharmacist, nor to allow anyone who is not a registered pharmacist to so sell, compound or dispense such drugs, medicines, poisons or chemicals, or physicians' prescriptions; except such as are assistants to and under the supervision of one who is a registered pharmacist, and physicians who dispense their own prescriptions only; but no one shall be prohibited by anything contained in this chapter from keeping and selling proprietary medicines and such other domestic remedies as do not contain intoxicating liquors or poisons, nor from selling concentrated lye or potash having written or printed on the package or parcel its true name and the

word "poison," sales of which need not be registered. Whoever violates either provision of this section, for the former shall pay \$5 for each day of its violation, to be recovered in an action in the name of the state, brought by the county attorney under the direction of the commission, and for the latter shall be guilty of a misdemeanor, and punished accordingly. In actions or prosecutions under this chapter, it need not be proven that the defendant has not a pharmacist's certificate, but such fact shall be a matter of defense.

SEC. 2589. *Examinations—registration.*—The commission, at at such times and places as it may select, and in such manner as it may determine upon, shall examine all persons desiring to engage in and conduct business as registered pharmacists, as contemplated in the preceding section, and, if found competent, the applicant's name shall be entered in the registry book of certificate holders. ("Graduates of pharmacy holding a diploma from the State University, or from any school or college of pharmacy requiring a course of study and laboratory work equivalent to that prescribed by the said State University in its catalogue for the year 1897-98, may be registered without examination.") (Pharmacists thus registered have the sole right to keep and sell all medicines and poisons except intoxicating liquors.)

SEC. 2590. *Registration and examination fees.*—Each person furnished a certificate and registered without examination shall pay to the commission \$2, and each and every person whom they examine orally, or whose answers to a schedule of questions are returned subscribed to under oath, the sum of \$5, which shall be in full for all services. And in case the examination of said person shall prove defective and unsatisfactory, and his name not be registered, he shall be permitted to present himself for reexamination within any period not exceeding twelve months next thereafter, and no charge shall be made for reexamination. The said commissioners are authorized to administer oaths pertaining to their said office and take and certify the acknowledgments of instruments in writing. After registration, an annual fee of \$1 for a renewal certificate shall be paid on or before the 22d day of March by all pharmacists who continue in business, and the conduct of such business without such renewal shall be a misdemeanor.

SEC. 2591. *Registry book—certificate displayed.*—The commission shall keep a registry book in which shall be recorded the

names and places of residence of all certificate holders, with the date of such certificate, which shall hold good for one year, and no longer without renewal. Renewals shall be granted upon the payment of the annual fee fixed in the preceding section. Should a certificate holder change his residence, upon notice thereof such change shall be noted in the registry book. Each certificate holder shall keep displayed in his place of business his registration certificate. A failure to comply with this requirement shall be a misdemeanor.

SEC. 2592. *Sale of adulterated drugs.*—Registered pharmacists shall be responsible for the quality of all drugs, chemicals and medicines which they may sell or dispense, except those sold in the original packages of the manufacturer, and those known as patent medicines. If any such pharmacist shall knowingly adulterate or cause to be adulterated any drugs, chemicals or medical preparations by him kept for sale or sold, he shall be guilty of a misdemeanor.

SEC. 2593. *Sale of poisons.*—No person shall sell at retail any poisons enumerated in schedules A and B, except in dispensing poisons in usual quantities or doses upon the prescription of a physician as follows: Schedule A, arsenic and its preparations, corrosive sublimate, white precipitate, red precipitate, bismuthide of mercury, cyanide of potassium, hydro cyanic acid, strychnia and other poisonous vegetable alkaloids and their salts, essential oil of bitter almonds, opium and its preparations except paregoric and other preparations of opium containing less than two grains to the ounce. Schedule B, aconite, belladonna, colchicum, conium, nux vomica, henbane, savin, ergot, cotton root, cantharides, creosote, digitalis, and the pharmaceutical preparations, croton oil, chloroform, chloral hydrate, sulphate of zinc, mineral acids, carbolic acid and oxalic acid; unless the package containing such poisons has placed thereon, and also on the outside wrapper or cover, the name of the article, the word "poison" and the name and place of business of the seller; nor sell or deliver such poison unless upon due inquiry it be found that the party receiving it is aware of its character and represents it is to be used for proper purposes; nor sell or deliver any of the poisons included in schedule A without also, before delivery of the same, causing an entry to be made in a book kept for that purpose, of the date of sale, the name and address of the purchaser, the name of the poison, the purpose for which it was represented to be required, and the name of the dispenser,

which book shall be open to inspection by the proper authorities and preserved for at least five years, the entry of each such sale to be signed by the dispenser. Any person violating any of the provisions of this section, except as otherwise provided by law, shall be adjudged guilty of a misdemeanor and be punished by a fine of not less than \$25 nor more than \$100, or by imprisonment in the county jail for not less than thirty days nor more than sixty days, or by both fine and imprisonment, in the discretion of the court.

SEC. 2594. *Itinerant vendors of drugs.*—Any itinerant vendor of any drug, nostrum, ointment, or appliance of any kind for the treatment of any disease or injury, and all those who by any method publicly profess to treat or cure diseases, injury, or deformity, shall pay to the treasurer of the commission of pharmacy an annual fee of \$100, upon the receipt of which the secretary of the commission shall issue a license for one year from its date; \$2,000 annually of the money arising from the license fund, or so much as may be needed, shall be devoted to defraying the expenses of the commission, and any balance remaining shall be paid into the state treasury. Said commission shall, on the first day of January of each year, make a verified and itemized statement in writing to the auditor of state, of all receipts and expenditures of money coming into their hands by virtue of their office. Any violation of this section shall be a misdemeanor, and any person shall, upon conviction thereof, pay a fine of not less than \$100, nor more than \$200. In actions or prosecutions under this chapter, it need not be proven that the defendant has not a license, but such fact shall be a matter of defense.

SEC. 2595. *Penalty for false representation.*—If any person shall procure or attempt to procure a certificate of registry for himself or another by means of false representations or device, or without being a registered pharmacist shall conduct a place for retailing, compounding or dispensing drugs, medicines or chemicals, or for compounding or dispensing physicians' prescriptions, or shall use or exhibit the title of registered pharmacist, and each several day a place shall be so used shall be held to be a separate and several offense.

SEC. 2596. *Revocation of certificate.*—When a registered pharmacist has been convicted of a violation of the provisions of this chapter, in addition to the other penalties provided by law, the commission, in its discretion, may revoke his certificate of registry.

OFFICIAL FORMS.

*In accordance with Chapter 6, Code of 1897, adopted October 11, 1897.
(See Regulation No. 13.)*

[OFFICIAL FORM A.]

PUBLICATION NOTICE OF APPLICATION FOR PERMIT.

*In the District (or Superior) Court of the State of Iowa.....County
(or City).*

*In the matter of the application of.....
a registered pharmacist, for a permit to buy, keep }Term, 189..
and sell intoxicating liquor.*

NOTICE.

To Whom it May Concern: Notice is hereby given that the application of the undersigned.....a registered pharmacist, No.....doing business under the firm name of....., of....., in county of....., State of Iowa, praying for a permit to buy, keep and sell intoxicating liquors (particularly describe the locality)..... in county of....., State of Iowa, will be on file in the office of the Clerk of the District (or Superior) Court of said county (or city) on or before the.....day of....., 189.., and that said cause will come on for hearing in said court at the.....term of said court, to be begun and held at..... on the..... day of....., 189... .., Applicant.

[OFFICIAL FORM B.]

PETITION FOR PERMIT.

*In the District (or Superior) Court of the State of Iowa, in and for.....
County (or City).*

*In the matter of the application of.....
a Registered Pharmacist, to buy, keep and sell }Term, 189..
intoxicating liquors.*

Comes now....., a Registered Pharmacist, and prays that he be granted a permit to buy, keep and sell intoxicating liquors for lawful purposes at the place hereinafter designated, and in support of this petition, alleges:

1st. That he is a citizen of the United States, the State of Iowa, and a resident of.....county, that he is now engaged in the business of.....and for the two years next prior to the filing of this petition he has been engaged

in the business of....., that he is a Registered Pharmacist No..... of the State of Iowa, doing business under the firm name of....., that his certificate of Registration is in full force and effect for the town of..... and that he is now and for the last six months has been lawfully conducting a pharmacy in..... township (or town of.....), in the county of..... and State of Iowa, as proprietor of such pharmacy, and that he has not been adjudged guilty of violating the laws relating to intoxicating liquors within the last year next preceding the filing of this petition, that he is not the keeper of a hotel, eating house, saloon, restaurant or place of public amusement, that he is not addicted to the use of intoxicating liquors as a beverage, and that he desires a permit to purchase, keep and sell such liquors for lawful purposes only, and that said business is to be conducted at..... Iowa, No....., street (or) lot....., (block)..... in said..... county. Applicant.

STATE OF IOWA, }
..... COUNTY, }

I,, first being duly sworn depose and say that I am the applicant named in the foregoing petition, that I have read the foregoing, my petition herein, and know the contents thereof, and that all the allegations thereof are true as I verily believe.

Subscribed in my presence and sworn to before me by the said..... on this..... day of....., A. D. 189...
....., Notary Public.

[OFFICIAL FORM C.]

BOND.

Know all men by these presents, that we, as principal and..... as sureties, are held and firmly bound unto the State of Iowa in the penal sum of one thousand dollars, for the payment of which we bind ourselves, our heirs, executors and administrators.

The condition of this obligation is such that, whereas, the above bound..... was on the..... day of..... 189..., by the District (or Superior) Court of..... county (or city), State of Iowa, granted a permit to buy, keep and sell intoxicating liquors for lawful purposes at (particularly describe the place)..... Now, if the said..... shall well and truly observe and obey the laws of Iowa, now or hereafter in force in relation to the sale of intoxicating liquors, and pay all fines, penalties, damages and costs that may be assessed or recovered against him for the violation of such laws during the time of the continuance of said permit, then this bond to be void, otherwise to be and remain in full force and effect.

Signed this..... day of....., A. D. 189...
....., Applicant.

STATE OF IOWA, }
..... COUNTY, } SS.

I,, do solemnly swear (or affirm) that I will well and truly

perform all and singular the conditions of the within bond, and keep and perform the trust confided in me to purchase, keep and sell intoxicating liquors. I will not sell, give or furnish to any person any intoxicating liquors otherwise than as provided by law, and especially, I will not sell or furnish any intoxicating liquors to any person who is not known to me personally or duly identified; nor to any minor, intoxicated person or persons who are in the habit of becoming intoxicated; and I will make true, full and accurate returns of all certificates or requests made to or received by me as required by law; and said returns shall show every sale and delivery of such liquors made by or for me during the months embraced therein, and the true signature to every request received and granted; and such returns shall show all the intoxicating liquors sold or delivered to any and every person as returned.

Subscribed in my presence and sworn to before me by the said..... on this..... day of....., A. D. 189...

Clerk of the Court.

(To go on back of bond.)

QUALIFICATIONS OF SURETIES.

STATE OF IOWA, }
..... COUNTY, } SS.

We, the undersigned, first being duly sworn, depose and say, and each for himself deposes and says that he is one of the sureties whose name is subscribed to the within and foregoing bond; that he is a resident of the State of Iowa; that he is worth double the sum secured by said bond beyond the amount of his debts and liabilities, to-wit: the sum of..... dollars; and that he has property liable to execution in said State equal to the sum secured in said bond, to-wit: the sum of..... dollars.

Subscribed in my presence and sworn to before me by..... this..... day of....., A. D. 189...

Clerk of the Court.

[OFFICIAL FORM D.]

PERMIT.

Whereas,, a registered pharmacist, of the State of Iowa, Certificate No....., (of the firm of)..... did on the..... day of....., A. D. 189..., publish his notice and file in the office of the clerk of the district (or superior) court in and for..... county (or city), Iowa, his petition and bond, as provided by chapter 6, Code of 1897, for a permit to buy, keep and sell intoxicating liquors for pharmaceutical and medicinal purposes, alcohol for

specified chemical mechanical purposes, and wine for sacramental purposes, but for no other purpose whatever, in the (township, town or ward) of..... (describe street, block and number) in the county of..... State of Iowa.

And it appearing that the said Registered Pharmacist's Certificate of Registration, No....., is in full force and effect for the town of....., above mentioned, and in accordance with the pharmacy law of the State of Iowa, and the court being duly satisfied that the requirements of the law have in all respects been fully complied with, and that said applicant is entitled to a permit as provided by chapter 6, Code of 1897, it is ordered that he be and is hereby authorized, from and after the..... day of....., 189....., to buy, keep and sell intoxicating liquors for pharmaceutical and medicinal purposes, and alcohol for specified mechanical purposes, and wine for sacramental purposes, but for no other purpose whatever, at the place aforesaid, so long as his Certificate of Registration is in full force and effect, or until this permit is otherwise revoked according to law.

..... Clerk of District (or Superior) Court, County (or City), Iowa

[OFFICIAL FORM E.—SERIES A]
REQUEST OF PURCHASERS.

To....., Iowa, 189.....
Reg. Phar. No.....
I hereby make request for the purchase of the following liquors:

AMOUNT. | KIND.

My true name is....., I am not a minor, and I reside in..... township (or town) of..... at No....., in the county of....., State of..... The actual purpose for which this (if for applicant, say myself; if for another give name, age and residence)

request is made is to obtain the said liquor for..... use, and neither myself nor the said and the same is desired for..... habitually uses intoxicating liquors as a beverage.

(Signature of purchaser)

Attested by

CERTIFIED REQUEST OF PURCHASERS.

To Iowa 189..
 Reg. Phar. No.

I hereby make request for the purchase of the following intoxicating liquors:

| AMOUNT. | KIND. |
|---------|-------|
| | |
| | |

My true name is....., I am not a minor, and I reside in township (or town) of.....
 at No., in the county of....., State of..... The actual purpose for which this request is
 made is to obtain the said liquor for
 and the same is desired for use, and neither myself nor the said.....
 habitually uses intoxicating liquors as a beverage.

(Signature of purchaser).....

I,, hereby certify that I am acquainted with....., the applicant for the
 purchase of the foregoing described liquors, and that said..... is not a minor and is not in the habit
 of using intoxicating liquors as a beverage and is worthy of credit as to the truthfulness of the statements in the fore-
 going request, and my residence is....., No....., Street.....

(Signature of certifier).....

Attested by.....
 Reg. Phar. No.

PERMIT-HOLDER'S RECORD OF PURCHASES AND USES OF INTOXICATING LIQUOR.

For the months of..... and..... 189..

| OF WHOM PURCHASED. | DATE OF RECEIPT. | AMOUNT PURCHASED. | | | KIND. | AM'T ON HAND AT COMMENC'T OF THE MONTH OF..... | | | TOTAL ON HAND AND RECEIVED. | | | AMOUNT SOLD. | | | AMOUNT USED. | | | AM'T ON HAND AT THE END OF THE MONTH OF..... | | |
|--------------------|------------------|-------------------|-------|-------|---------|------------------------------------------------|-------|-------|-----------------------------|-------|-------|--------------|-------|-------|--------------|-------|-------|----------------------------------------------|-------|-------|
| | | Gals. | Qts. | Pts. | | Gals. | Qs. | Pts. | Gals. | Qts. | Pts. | Gals. | Qts. | Pts. | Gals. | Qts. | Pts. | Gals. | Qts. | Pts. |
| | | | | | Alcohol | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | | | | | Whisky | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | | | | | Brandy | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | | | | | Gin | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | | | | | Wine | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

[OFFICIAL FORM G.]
 PERMIT HOLDER'S BI-MONTHLY STATEMENT TO COUNTY AUDITOR OF PURCHASES, SALES AND USE
 OF INTOXICATING LIQUORS.

For the month of..... and....., 189..

| OF WHOM PURCHASED | DATE OF RECEIPT. | AMOUNT PURCHASED. | | KIND. | AMT. ON HAND AT COMMENC'T OF THE MONTH OF | | TOTAL ON HAND AND RECEIVED | | AMOUNT SOLD | | AMOUNT USED. | | AM'T ON HAND AT THE END OF THE MONTH OF | |
|-------------------|------------------|-------------------|------|---------|-------------------------------------------|-------|----------------------------|------|-------------|------|--------------|-------|-----------------------------------------|------|
| | | Gals. | Qts. | | Pts. | Gals. | Qts. | Pts. | Gals. | Qts. | Pts. | Gals. | Qts. | Pts. |
| | | | | Alcohol | | | | | | | | | | |
| | | | | Whisky | | | | | | | | | | |
| | | | | Brandy | | | | | | | | | | |
| | | | | Gin | | | | | | | | | | |
| | | | | Wine | | | | | | | | | | |

STATE OF IOWA, }
 COUNTY, } ss.

I,, Reg. Phar. No. of town, county, State of Iowa, being duly sworn, on oath depose and say that the above and foregoing statement of purchases, aggregate sales and uses of intoxicating liquors, under my permit for the months of and 189.., is a true and correct statement as I verily believe.

Subscribed in my presence and sworn to before me by on this day of, A. D. 189..

County Auditor or Notary Public.

[OFFICIAL FORM H.]

PERMIT-HOLDER'S BI-MONTHLY REPORT OF REQUESTS AND AFFIDAVIT.

STATE OF IOWA, }
 COUNTY, } ss.

I,, Reg. Phar. No., being duly sworn on oath state that the requests for liquors herewith returned are all that were received and filed at my pharmacy (or place of business) under my permit during the months of and 189.., that I have carefully preserved the same and that they were filled up, signed and attested at the date shown thereon as provided by law, that said requests were filled by delivering the quantity and kind of liquors required and that no liquors have been sold or dispensed under color of my permit during said months except as shown by the requests herewith returned, and that I have faithfully observed and complied with the conditions of my bond and oath taken by me thereon endorsed, and with all the laws relating to my duties in the premises.

STATE OF IOWA, }
 COUNTY, } ss.

I,, Reg. Phar. No., first being duly sworn, depose and say that I am clerk for, and that no liquors have been sold, dispensed or disposed of by me, in any manner, during the months of and, except as shown by the requests attested by me, filed herewith and included in the report of the said

STATE OF IOWA, }
 COUNTY, } ss.

I,, Reg. Phar. No., first being duly sworn, depose and say that I am clerk for, and that no liquors have been sold, dispensed or disposed of by me, in any manner, during the months of and, except as shown by the requests attested by me, filed herewith and included in the report of the said

The foregoing statement (was or were) subscribed to in my presence, as indicated therein, and sworn to before me by the said and said and said on this day of, A. D. 189..

County Auditor or Notary Public.

A GENERAL REPLY.

To the numerous inquiries as to the proper fulfillment of a registered pharmacist's duties in regard to the sale of POISONS, we direct your attention to chapter 18, laws of 1897, as now amended:

Notice first, that all poisons must be distinctly labeled, as follows: (See section 2593).

Before selling or delivering any poisons, the box, vessel, or paper in which the poison is contained, and also the outside wrapper or cover, must be labeled with the name of the article, and the word "POISON," and the name and place of business of the person or firm selling it.

Second, that the sale of poisons is delegated solely to registered pharmacists. (See section 2588).

No one except a registered pharmacist can lawfully sell poisons of ANY KIND, the only exception being concentrated lye and potash, which can be sold by any person, when it is properly labeled, as above stated. (See section 2588).

Third, the sale of all poisons enumerated in schedule "A," and all others not enumerated in schedule "B," must be registered in the "POISON REGISTER." The poisons enumerated in schedule "B" need not be registered when sold.

Fourth, the purchaser's signature is not required by law on the "POISON REGISTER," only his name; but the dispenser (the one selling) may require it, before selling or delivering, if he thinks it advisable.

POISON REGISTER.

| Date. | Quantity. | Name of Poison. | PURCHASER'S REPRESENTATIONS. | | PURCHASERS | | Name of Dispenser. | Remarks. |
|-------|-----------|-----------------|------------------------------|------------------|--------------------|----------|--------------------|----------|
| | | | For what purpose wanted. | For whom wanted. | Name or Signature. | Address. | | |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
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CERTIFICATE.

OFFICE OF THE COMMISSIONERS OF PHARMACY }
FOR THE STATE OF IOWA. }

I, Chas. W. Phillips, Secretary of the Commission of Pharmacy for the State of Iowa, having custody of the register and records of the Commission, hereby certify that the regulations, opinions, forms and notices herein contained are true and correct copies of the original official regulations, forms, notices, and opinions on file in this office.

In testimony whereof I have hereunto set my hand and affixed the seal of the Commission. Done at Des Moines, this 15th day of September, 1890.

[SEAL.]
CHAS. W. PHILLIPS,
Secretary of the Commission.



JAMES I. GIBSON
State Veterinary Surgeon

Second Biennial Report
OF THE
Veterinary Surgeon

OF THE
State of Iowa
TO THE
Governor of Iowa

FOR THE
PERIOD ENDING JUNE 30, 1899

PRINTED BY ORDER OF THE GENERAL ASSEMBLY

DES MOINES:
F. R. OSBWAY, STATE PRINTER
1899

LETTER OF TRANSMITTAL.

To Leslie Mortier Shaw, Governor of Iowa:

I have the honor to transcribe to you herewith, in accordance with law, the second biennial report of the office of the state veterinary surgeon, for the term ending June 30, 1899.

Respectfully,

J. I. GIBSON.

REPORT.

I have the honor to submit the following report of the work accomplished by the veterinary department during the biennial period ending June 30, 1899, together with the financial exhibit for the same period.

The work of the department increases as the great state of Iowa grows and develops in animal husbandry, and as the Iowa live stock breeder and feeder become more enlightened on the subject of diseases of animals, their prevention and control by the practical application of veterinary sanitation, which is the outgrowth of scientific investigation.

The people of this generation in Iowa believe in the preventive methods in vogue as being better suited to their needs than all the so-called cures of the past. To-day we are able by vaccination to produce immunity to a number of the heretofore most fatal contagious and infectious diseases of animals; and scientists are at work with other vaccines which will doubtless prove as effectual as those now made use of to the entire satisfaction of the live stock owners of the state.

The discovery of the first immunizing vaccines was semi-accidental, but from a knowledge of these the scientist of to-day can take the virus of any transmissible disease; isolate the germ; study and learn its nature; and then proceed to produce a vaccine or inoculative serum which produces immunity in some degree. To produce absolute immunity, it would be necessary to remove the conditions which favor the progress of disease, as well as to vaccinate the animal which furnishes the favorite soil for the culmination of the germ life, which is the disease. This is especially true in connection with the serum therapy in hog cholera. The use of the serum together with anti-cholera conditions of the premises will prove quite satisfactory, but the use of anti-cholera serum together with pro-cholera conditions of the premises, will not prove satisfactory.

Conceding these facts, the time has come when we can vaccinate the animal with the immunizing vaccine, and, as a vaccine for the conditions and premises enact and enforce wholesome sanitary laws and preventive restrictions.

This theory believed in and carried out, not only by sanitarians and health authorities, but by our entire citizenship, will make Iowa a health resort, and the dread of many of the most virulent diseases will be felt no more. The recent outbreak of smallpox in Iowa furnishes a sample of what can be accomplished through vaccination and sanitary laws. In this outbreak there were 249 cases, with only two deaths. In former years the death rate was 25 per cent in such outbreaks.

In the past there were latent cases of glanders and tuberculosis which could not be detected by the most skilled veterinarian, and which were a constant source of renewed outbreaks of those diseases, but which now can be diagnosed to a certainty by any veterinarian with the aid of the mallein and tuberculin tests. An outbreak of glanders now does not necessarily mean repeated subsequent outbreaks, for by testing all exposed animals with mallein, and destroying all that react, indicating the presence of the disease, and thoroughly cleansing and disinfecting the premises and utensils which may have become infected with the virus, no further cases may be expected as a result of the original outbreak.

Until recently there was little hope of eradicating tuberculosis from an individual herd, but with the tuberculin test applied to a herd, and all that react destroyed, and none but tested individuals added to the herd, together with disinfection and proper sanitary conditions of premises, a herd of cattle may be kept free from this dreaded disease, which causes great loss to cattle owners and untold human misery. That the "world is growing better" in sanitation is an evident fact, known to all who study the question of the "public health," which is conceded by all great men to be the most important question a state or nation is called upon to solve.

The improved sanitary conditions in Iowa are not all the result of the earnest effort on the part of the few official sanitarians, but largely the result of the physicians, veterinarians and municipal officers' daily instructions and admonitions to the people of their several localities. When the individual citizen demands sanitary cleanliness, then, and not until then, may we hope for general cleanliness and health in Iowa.

It is just as reasonable to preach and prophesy the coming of the dawn of the public health millennium as that of the Christian millennium, and it will as surely dawn when each and every citizen lives and practices sanitation as will the Christian millennium when each and every citizen lives and practices the golden rule.

DISEASES ENCOUNTERED.

In the period covered by this report, the department has been called upon to investigate outbreaks of the following named diseases, to-wit: Anthrax, actinomycosis, abortion (contagious), in cows and ewes; black leg, catharrhal conjunctivitis or specific ophthalmia, corn stalk disease, catharrhal pneumonia (infectious), ergotism, encephalitis, mange, glanders, rabies, malignant catarrh of the ox, tuberculosis, parasitic bronchitis, Texas fever and narcotic poisoning.

In a number of instances when called to investigate, we found non-contagious diseases.

ANTHRAX.

Anthrax is a disease due to the action of a specific germ introduced into the blood of an animal by injection or inoculation. All domestic animals are subject to the action of the "bacillus anthracis," and man is also subject to inoculation, which produces the disease known as "malignant pustule" in man.

The "bacillus anthracis" is the largest known disease-producing bacillus. It grows in long, thread-like bodies about 1-5000 inch thick. It multiplies very rapidly by division and sporulation. In beef broth or gelatin it forms a clear, white growth in from ten to twenty hours, which is visible to the naked eye. In the sporing state it is the most difficult to kill of all the disease-producing bacteria, resisting freezing, drying, and even boiling. In the dry state it will retain its virulence for years. In the blood of an infected animal it multiplies very rapidly, but does not form spores.

During this biennial period, four outbreaks of anthrax have been encountered in the following named counties: Allamakee,

Monona, Warren and Woodbury. In these four outbreaks about eighty-five animals died, which shows how fatal this disease is. In Sioux City five men became inoculated with the disease, which made the matter appear very serious, and assisted us in securing obedience to all quarantine restrictions. Dr. Smith, one of the victims, was so seriously ill that for days his life was despaired of, but with the most scientific treatment and careful nursing he was restored to health.

Dangerous and dreaded as this disease is, science has found in vaccination a successful remedy, which is coming into general use in the infected districts of Europe and America.

GLANDERS.

During this period we have received thirty-two calls to investigate outbreaks of glanders and farcy, and have diagnosed forty-four cases, located in the following counties, viz.: Adair, Buchanan, Hancock, Emmet, Humboldt, Hamilton, Mahaska, Monona, Poweshiek, Sioux, Shelby, Van Buren and Winneshek. This disease is apparently on the decrease, largely, I believe, the result of the use of the mallein test, which often condemns latent or chronic cases which do not present sufficient clinical symptoms on which to condemn the animal.

The following excellent paper by Dr. John E. Brown, assistant state veterinarian, Oskaloosa, Iowa, is strongly recommended to the readers of this report as a practical production which will certainly prove highly instructive to all who read it:

GLANDERS AND MALLEIN.

Our farmers and horsemen have been educated from infancy to a fear of glanders, such as they feel for no other animal disease.

Only mention the fact that a certain horse is suspected of being afflicted with that disease, and every other horse owner in the country is at once demanding an immediate investigation of the case.

This being true, there is little probability that the disease will ever be permitted to spread to the extent of interfering seriously with the horse industry of Iowa, and were it not for the itinerant professional bum horse traders that infest our country, the disease would soon be stamped out in Iowa.

These traders, in their wanderings over the country, find and come into possession of glandered horses because they are known to be diseased and are cheap—they get them for almost

nothing—probably get them before the disease has made much progress, and before any general suspicion has been aroused.

They then become trading stock, and are peddled over the country from place to place, carrying the seed of infection wherever they go.

Usually these cases are imported into our state by the class of humanity commonly known as "movers," who go through the country with their families in covered wagons, driving and leading a lot of old, scrubby, half starved, worn out or diseased horses. These are the outfits that I would especially warn our citizens against.

Many people have an idea that glanders is a disease of spontaneous origin, or that it may develop from some other disease of long standing, but such is *not* the case. Glanders is a specific disease, due to a specific bacilli, and before an animal becomes so diseased it must become inoculated with the bacilli from a glandered animal. In other words, the disease must be transmitted, directly or indirectly, from one animal to another.

By indirectly I mean that the virus from a glandered horse may be left where it may be taken up at some future time by the healthy horse, and the disease again become established.

In proof of the statement that the disease is usually imported into our state as described, I will review hastily the history of a few cases that have come under my own personal knowledge.

A year or so ago as I was passing along a street, my attention was arrested by the peculiar, noisy, snuffling breathing of two horses standing together at a hitch-rack. There is that peculiar sound emitted by the breathing of animals in which the disease is well developed, that the experienced ear is not likely to be deceived in. It is due to the ulcerated and thickened condition of the mucus membranes that line the nasal passages. In both these cases the disease was well developed. The owner of the team was soon found, and he told us that he obtained them only a short time before from some people who said they came from Missouri.

One evening last fall a Swede brought a horse to my office and asked if I could cure him. I soon found that it was a case of glanders with a history, as nearly as I could learn, like this: Some three or four years before, some movers from Kansas came through the country and traded this horse to a colored man. It was afterward kept with and worked with another horse that the colored man had raised, until a few weeks before, when the Swede bought it. The horse was destroyed, and instructions issued to have the other horse examined. It was found standing in the stable where the two had previously been kept together. Apparently it was enjoying good health. On close examination we found the mucus membranes lining the nostrils slightly discolored, and a few tears trickled down the face from the left eye. Otherwise nothing abnormal could be detected by physical examination. The circumstances attending

the case, however, made it very suspicious, and it was decided to employ the mallein test, and to this test a reaction of temperature of three and three-fifths degrees occurred, establishing, unquestionably, the fact that the disease existed.

Another item of interest in this case is that some time after the colored man came into possession of the horse that he got from the mover, he (the man) became afflicted with, and finally died from the effects of, a disease the attending physician called consumption, but from the history we learned of the case we have good reason to believe was glanders, and that it was transmitted from the horse to the man. Several other cases of the transmission of the disease from horses to man have occurred in Iowa during the past few years.

From this last case it is shown that it is not always an easy matter to detect the presence of the disease in horses by physical examination.

Four years ago a pony was brought to my office for examination. There was the least bit of a watery discharge from one nostril, but nothing else abnormal could be detected. During the winter following the pony was kept in a b. x stall along with a two-year old colt, and without any other chance of exposure the colt developed a well-marked case of glanders the next spring. I never saw the pony afterward, for it was traded off during the latter part of winter, but the owner told me it never showed any more marked signs of disease.

There are many just such cases of glanders, not sufficiently well marked to create a well grounded suspicion—others a little farther developed, yet not sufficiently so to differentiate from some other condition, or to pronounce glanders from physical examination alone. Such cases, when the slightest suspicion exists, or when they have been known to have been exposed, should be tested at once by the mallein test. True, it does not always follow that every exposed animal becomes infected, but no chances should be taken.

Glanders is not as virulently contagious as is generally believed, and is not a disease that is likely to spread as rapidly as some other contagion, because, as before stated, can only be spread by absolute inoculation. It would be possible for a horse to stand in an adjoining stall to a case of glanders and not become inoculated. The infection is not likely to be carried through the medium of the atmosphere, but the inoculation more commonly occurs by the healthy horse standing at the hitching post or feed manger on which the virus from the glandered horse has been left. Then, in biting the post or manger, a slight abrasion is made in the soft mucus membranes of the gum, through which the germs of the disease are absorbed, and passing into the circulation, they are carried and lodged in the animal tissues which favor their growth and development, and the disease is established.

By this time most of our stockmen have become familiar with the tuberculin test as used in cattle to determine whether or not the disease known as tuberculosis exists. The mallein test to determine whether or not glanders exists in a horse, is on exactly the same principle, and is conducted in the same manner. Mallein is produced from the glanders bacilli similarly as is tuberculin from the tubercle bacilli. It contains no live germs, and no danger can possibly result from using mallein in the healthy horse. Its value as a diagnostic agent in obscure cases is recognized and it is fully endorsed by all the leading authorities in the veterinary profession. When we recognize that glanders is an incurable contagious disease in the horse, transmissible from the horse to mankind, we must also recognize the great value of any agent that will aid us in its early detection, thereby enabling us to cut short the source of its spread.

ACTINOMYCOSIS.

Is a disease due to a vegetable fungus, and is commonly called lumpy jaw. In the past much was said and many articles written about this disease, but to-day we hear very little about it. A specific has been found in the iodide treatment, which, if properly and promptly administered, will prevent any serious loss of property from this disease.

During this biennial period the department was called upon twice to investigate cases of actinomycosis of the tongue, in which form the disease is called "wooden tongue." These cases were found in Carroll and Crawford counties, and responded readily to the iodide treatment.

BLACKLEG.

During the period covered by this report, outbreaks of black leg have been discovered in the following named counties: Crawford, Dallas, Greene, Jasper, Page, Plymouth, Tama, Union and Wapello. In all about fifty-nine animals died. The local veterinary practitioners are now being called upon to vaccinate young cattle, where pastures are known to be infected, and as a result the loss of property from this disease is not nearly as large as in former years before the merits of vaccine were known.

Blackleg is an infectious disease, more particularly of young cattle, which used to be classed with anthrax, but now is known to be the result of a distinct germ, which, though resembling the bacillus of anthrax, is somewhat different. The bacillus of blackleg is rod-like, but enlarged at one end so as to appear somewhat club-shaped. At this larger end will be found the spore of the bacillus, which has similar powers of endurance and resistance to those of the anthrax bacillus. In this disease we have tumors or swelling peculiar to the disease, hence its name. The swelling is sometimes very extensive, embracing the entire region of the hips or shoulders. It may appear about the neck or throat. It never extends below the knees or hock. You are doubtless all familiar with the peculiar rattling or crackling sound heard when stroking the swelling. This disease is not considered transmissible from one animal to another, or rather, is not often communicated in that way, although to remove the hide from an animal dying with blackleg and allow the carcass to remain, the spores may be transmitted to other animals, through the atmosphere, vegetation or water. The disease generally spreads from the improper disposal of carcasses of one outbreak which allows the spores to be deposited in the soil, and from it to get into the grass and thus cause another outbreak. Animals have been known to develop the disease from grazing over the grave of an animal which died of blackleg seven years before. Therefore, as in anthrax, all animals dying of blackleg should be cremated, together with excreta, litter and contaminated soil.

INFECTIOUS CATARRHAL PNEUMONIA.

This disease has been quite common in Iowa during the last two years. It is in symptoms similar to non-infectious pneumonia or inflammation of the lungs, but may pass through an entire herd of cattle or horses by infection, therefore it must be caused by a specific germ. This germ was identified by Shutz, and is named "the bacterium of Shutz." The period of incubation is from fifteen to thirty days. During this biennial period a great many young cattle and calves have been shipped into Iowa, and during the summer and fall of 1898 this disease caused greater loss to cattle owners than any other. It appeared then that a number of the largest stockyards in the

country were infected. In one instance, part of a shipment of young cattle was unloaded in the stockyards and the balance shipped through directly to Iowa. Those unloaded and kept in the yards a day or two had a severe run of the disease, while those that were shipped right through to their destination did not have the disease.

For a description of the disease, I cite you to the previous report, in which you will find a very able article from the pen of Dr. W. B. Niles, assistant state veterinarian.

During this biennial period outbreaks of this disease have been seen in the following named counties: Butler, Clarke, Calhoun, Jasper, Sac, Story, Union and Woodbury. In the above outbreaks fifty two deaths were reported, which, however, does not give a fair estimate of the loss, which was much larger.

DIPHTHERIA IN HORSES.

The following letter will prove interesting and instructive to all who read it. This disease is of rare occurrence, hence the value of an able description like that contained in the following letter:

Dr. J. I. Gibson, State Veterinarian, Denison, Iowa:

DEAR SIR—In the fall of 1898 a disease broke out among the horses on a farm two miles southwest of Dedham, Carroll county. The symptoms being out of the general line of diseases, called for more than a casual observation.

The colts referred to were in good condition, had good water to drink, and were allowed to run at large, sheltered by straw sheds, snow covering the ground to the extent of a foot or more; the cornstalks were their principal food except where they dug down and ate the frozen grass.

The first symptom observed by the owner was a severe chill, which lasted for two or three hours, followed by a marked debility and great depression; the pulse was imperceptible; temperature, 104; the pupil dilated and the animal had a languid appearance. The breath had a fetid, diphtheritic smell; when the animal was moved it had a stiff, staggering gait. The general symptoms led one to suspect anthrax, but the post mortem revealed the disease to be something of diphtheritic nature.

Four animals having been affected, one being dead, a post mortem was held; a red, frothy substance was issuing from the nostrils and a bloody water from the anus. The trachea was filled by a white mucous coat, which extended down to the bronchial tubes; the lungs were slightly congested. The small intestines were also filled with the white mucous coating, extending back to the great colon. The blood was a very dark color.

and apparently coagulated very slowly; small dark spots covered the tongue, and wads of hay filled the mouth, which the animal had attempted to swallow, but owing to paralysis of the pharynx was unable to do so.

Two of the animals recovered and the rest died, all being affected about the same time. One died about fourteen hours after being affected; the other lingered for several days, and I believe would have recovered under treatment, had he not been removed to an adjoining farm on a cold day.

Yours truly,

S. H. JOHNSON,
Carroll, Iowa.

ERGOTISM.

This affection is due to the continued effects of ergot in the system. Ergot is most plentiful in grasses grown upon rich soil, in hot, damp seasons. It is a disease of fungoid nature, and is easily identified among healthy grasses. It affects the seeds in and when thus affected the seed is much larger than usual, and particular, of a black color. Its action on the animal is to weaken circulation in the parts farthest from the heart until circulation is entirely arrested, when death of the parts occurs. A distinct line of demarkation is drawn around the extremity at which point sloughing occurs, and in many cases nature amputates or disarticulates as perfectly as the most skilled surgeon. Upon presentation of the first symptoms, the food should be carefully examined and if ergot is found present a complete change of diet should be substituted.

During this period ergotism has developed in the following counties, viz., Appanoose, Marshall, Webster and Woodbury. In the Woodbury county outbreak, the writer saw fifty-six steers, one and two years old, with one or more feet amputated by the process of gangrenous sloughing. Some had all four feet amputated and were helpless sufferers indeed. These steers were shipped from South Dakota just before coming down with the disease.

ENCEPHALITIS.

Is inflammation of the brain and its coverings. It is caused by external injury or by eating food containing poisonous matter, such as ergot or other vegetable fungi. The symptoms of this disease resemble those of a mild case of rabies, and may easily be mistaken for rabies. A horse suffering from a severe

attack of encephalitis will at times strike, kick, rear and bite as though suffering from rabies. A cow will bellow, hook, push the head against the stall or other enclosure, and even chase a person, when afflicted with this disease. In the first stages we often find diarrhoea, in which instance the fecal matter is black in color, and emits a foul odor. Most cases in cattle are fatal, but in horses we have known of a number of recoveries. It is of the greatest importance that the nature of the disease be determined at once, and a change of diet instituted, together with professional treatment.

During this period outbreaks of this disease have occurred in the counties of Appanoose, Crawford, Clay, Jasper, Tama and Union.

SPECIFIC OPHTHALMIA.

This disease has become quite prevalent throughout the west in the last two years. For several years past the ranchmen have called it sore eyes, from dust, and our cattle dealers believed that to be the cause until the disease came home to them, when they found that dust had little, if anything, to do with causing the disease.

It is not fatal in its results, but causes considerable loss to the cattle owners of Iowa because of the unthriftiness of a herd while passing through the attack, which lasts from two to four weeks in most cases. In some instances total and permanent blindness results, although in ordinary cases there is only slight feverishness with opacity of the cornea for from ten days to two weeks.

During this biennial period the department has investigated outbreaks of this disease in the following counties, viz.: Cass, Hardin, Palo Alto, Tama and Wayne.

In addition to these calls we have had a great many letters from owners or afflicted herds, describing the symptoms and asking for a diagnosis and treatment. While it is certainly the result of a specific germ, it is not serious because it does not imply the loss of animals, as most infectious diseases do. The affected animals should be isolated and kept in darkened barns during the bright sunlight of the day which seems to cause greater suffering in this as well as most affections of the eyes.

RABIES.

During this biennial period outbreaks of rabies have been investigated in the counties of Bremer, Iowa, Johnson and Plymouth. So far as reported there were seven cows, three horses and one dog died, and we have reason to believe that there were many more deaths which were not reported. Since this is a fatal disease, and there is no remuneration for the loss of live stock caused by the bite of a mad dog, it becomes one and all to see to it that no dogs are allowed to run at large, especially when a mad dog has been known to have roamed through a township.

The following list of rules adopted by the township board of Sumner township, Iowa county, will serve as a lesson to other boards who fear they have no power to act. The rules are excellent, and we commend the board's action in adopting them

Notice is hereby given that, in accordance with the provisions of section 2568 of the revised code, the following rules and regulations relating to rabid animals have been adopted by the board of health of Sumner township, and are in full force on and after the date of their publication, and until further notice:

1. All dogs and hounds shall be restrained from running at large in the township unless securely muzzled, so as to prevent the possibility of their biting any person, dog or other animal.
 2. All dogs or other animals known to have been bitten by any rabid animal shall be killed and deeply buried or burned, except horses and cattle, which may be confined and given preventive treatment if desired; but it should be borne in mind that one animal may inoculate an entire herd by deposits of saliva upon the grass and in barns and other places of feeding. In any case the animal must be killed when the disease has developed.
 3. Dogs and hounds suspected of having been exposed to other rabid animals must be killed at once, or confined from other animals or persons for at least eight weeks, after which they may be muzzled as in rule 1.
 4. No person shall bring into the township any dog or hound, or permit any dog or hound belonging to them to enter the township except it be muzzled, as in rule 1, and it shall be the duty of any person finding any dog or hound running at large which is not so muzzled to kill it at sight, whether upon their premises, the public roads of the township or other place in the township, except the owner's premises.
- Any violation of these rules is subject to a fine of \$25, and good citizens are requested to prosecute all offenders.

W. H. BETZ,
Clerk.

W. M. BLAIR,
J. B. BETZ,
Board of Health, Sumner Township.

The following paper, written by John W. Griffith, assistant state veterinarian, of Cedar Rapids, Iowa, will prove very interesting to all who read it:

There have been several outbreaks of Rabies during the year, one of which I will report here.

In Sumner township, Iowa county, on March 25th, there was seen in the neighborhood a strange dog biting several dogs, as well as a horse, some cows and pigs.

Mr. Bower had one horse bitten, which took the disease, and the diseased horse before dying bit a colt, and Mr. Bower on the hand. He immediately went to Chicago and took the Pasteur treatment. He staid two weeks and at the time of writing is at home and feeling well. His colt that was supposed to have been bitten is apparently well at the time of writing.

Mr. Shetehelm has lost one horse, one cow and two hogs from the disease. Mr. Hillman lost one cow.

They shot ten dogs in that locality that had been bitten. They did not wait to see the disease develop, as they considered the chances too great a risk to run. All dogs that are not muzzled, running in Sumner township, are shot, and large notices are posted up in the township to that effect.

RABIES, OR HYDROPHOBIA,

Is a disease of the nervous system, characterized by little or no fever, a high degree of irritability and excitement, the presence of spasms, and a disposition to bite, great prostration and finally death.

It was called hydrophobia on account of the inability on the part of the sufferer to drink water, which inability was supposed to be caused by dread of the liquid; however, the rabid animal has not the slightest dread of water, and is only prevented from taking it by spasmodic action of the muscles of deglutition.

Man and all lower animals are liable to this disease, which is of a rather frequent occurrence, and has been prevalent in Iowa county the past two years.

The period of inoculation varies from ten days to six or seven months, and in man, cases have been observed wherein the period of inoculation varied from fifteen days to ten months, and a few cases are recorded wherein several years elapsed after the bite was received before the disease manifested itself.

The disease is caused by a bite from a rabid animal, the virus being left in the wound at the time the bite is inflicted, or from other animals licking the sores on an animal that has the disease.

SYMPTOMS.

Rabies occurs in two forms: a furious, and a dull, morose form, the latter being known as dumb rabies.

Like other brain affections, this disease is preceded by dullness, which is followed by temporary fits of excitement, after which the patient may relapse into the previous condition of dullness, and seek some out-of-the-way place, and suddenly become greatly excited without any apparent cause. Another prominent symptom is a depraved appetite, the animal eating dirt, stones, etc., and will bite and snap at anything coming in his way.

TREATMENT.

After the disease has become manifest, its unavoidable termination is death, hence the animal, instead of being treated, should be destroyed at once.

In case of a valuable animal, or a human being bitten, the wound should be cleansed and thoroughly cauterized at once; caustic in a liquid form being preferable.

Inoculation, practiced by M. Pasteur (the French inoculist) may be performed, and is claimed, will prevent the disease. The experiments up to the present time have been satisfactory.

TEXAS FEVER.

During this period there have been three outbreaks: one in Pocahontas county, confined to one herd; one in the counties of Grundy, Hardin and Marshall, and one in the counties of Cass, Mills, Montgomery, Page and Pottawattamie. In each outbreak quarantine was promptly served on all owners, and no further spread of the disease occurred on any of the premises. The owners also resorted to treatment by picking the ticks off their native cattle and applying oils of different kinds. The ticks must have been of a generation far removed from the virulent Texas fever districts, or our death rate would have been higher. A number of susceptible native cattle from which large numbers of ticks were picked and to which oil was applied, had the disease in mild form and recovered. By quarantining all suspicious cattle and infected pastures, we prevented the further spread of the disease. In the three outbreaks fifty-four farms were placed in quarantine, which fact gives the reader an idea of the work connected with one outbreak spread over three or four counties. We feel sure that the time is not far distant when the dread of this disease will be removed by the use of vaccine or inoculative serum, and then the Iowa farmers may buy southern feeding cattle, and the southern cattle breeder and ranchman may buy thoroughbred bulls and heifers with which to improve his herd from the Iowa breeder, thus establishing a cattle trade between the north and south that will prove beneficial to both sections, because of the prevention of Texas fever and the untold losses resulting therefrom.

The following paper by Hal. C. Simpson, assistant state veterinarian, will furnish the reader a description of this disease and how it is communicated, and will prove of great benefit to Iowa cattle shippers and feeders:

Texas fever is a specific disease communicated by cattle which have recently been moved northward from the infected district and which are the bearers of the cattle tick, *Boophilus bovis*, the cause of the disease. Or is contracted by cattle sent into the infected area and allowed to roam at will, becoming infected by lying on the ground. For this reason valuable breeding animals are hauled many miles and put into corrals that are free from infection.

NATURE OF THE DISEASE.

It is essentially a blood disease, being caused by a micro-organism which lives within the red blood corpuscles, multiplying very rapidly and causing death in a few days by the destruction of red blood cells. Its method of getting into the red corpuscles is unknown, but it must be an exceedingly minute body, endowed with the power of motion, and does not begin to enlarge until after gaining admission. The various disease processes which go on in Texas fever are due to the destruction of the red blood corpuscles, which may be extremely rapid or slow. When rapid, is fatal in most cases. When the destruction of corpuscles is slower, a mild non-fatal type of the disease is present. This is usually seen in the late autumn.

Death is not due so much to the loss of blood corpuscles as to the difficulty the organs have in getting rid of the waste products arising from the wholesale destruction. If we assume that the blood represents one-twentieth of the weight of the animal, and the corpuscles contained in from five to ten pounds may be destroyed in twenty-four hours, the remains of these corpuscles must either be excreted unchanged or converted into bile. The effort of the liver to do this causes extensive disease of that organ. This enormous destruction of corpuscles takes place to a large extent in the kidneys. This accounts largely for the blood colored urine or red water which is a characteristic feature of Texas fever.

SYMPTOMS.

Dullness, loss of appetite and a tendency to get by themselves, caring nothing about being with the rest of the herd. Temperature from 104 to 107, and remains stationary until recovery or death ensues. The higher the fever the more acute the disease, as it indicates the intensity of the diseased process going on within. The bowels are generally constipated during the height of the fever, toward the end the feces becoming softer. The urine shows nothing abnormal until near the fatal termination, when it becomes bloody. This may generally be regarded as an indication of approaching death. The pulse and respiration are more rapid than during health. Emaciation becomes marked, the blood thin and watery, and having no tendency to form a clot. The animal lies down most of the time. The course of the disease varies in duration, death taking place in from three days to several weeks. Those that recover do so very slowly, owing to the great poverty of the blood in red corpuscles. The flesh is regained but slowly, and the animal may be subject to a second mild attack, which may retard recovery until the beginning of winter.

The presence of small ticks on the animal's skin in the region of the thighs, udder, and the escutcheon, is a very important sign, and indicates that the animal has been on infected territory.

On post mortem examination of an animal that has died from Texas fever, the following changes will be found: The spleen enlarged to three or four times its normal size; when held up by one end the contents gradually run to the other end; when cut into, the contents are black in color. The liver is enlarged, has lost its natural brownish color, and has a yellowish hue, due to the billary injection of the finest capillaries. The gall bladder is distended with bile, which holds a large number of yellow flakes in suspension. The bladder contains blood tinted urine, which varies in color according to the severity of the attack. The kidneys are always found congested, in an acute attack.

The tick which is the carrier of Texas fever is called *Boophilus bovis*. Its life history is simple and easily traced. It is essentially a parasite, attaching itself to the skin and drawing the blood of its host. It is unable to come to maturity and reproduce its kind unless it becomes attached to the skin of the bovine, whence it obtains its food. The eggs begin to develop at once, and when the embryo is fully developed it ruptures the shell. The time required for hatching depends a great deal on the temperature, and varies from thirteen to forty-five days. After hatching, these parasites soon attach themselves to cattle, showing preference for the tender skin of the scutcheon, inside of thighs and around the udder. When numerous, may be found on any part of the body. When about a week old they molt, and have four pairs of legs; within a week another molt takes place, and the tick passes into the sexual or adult stage. Impregnation now takes place and with the development of the ova in the body, the tick takes an increased quantity of blood, so that it becomes very much larger in a few days. When the female has reached maturity, it drops to the ground and begins laying eggs.

Southern cattle sent north during the spring and summer carry on their bodies large numbers of ticks. When these mature, they drop off and lay their eggs on northern pastures. These hatch and the young tick soon gets upon any northern cattle which happen to be on the pasture. As soon as they have attached themselves to the skin, they inoculate the cattle and Texas fever breaks out in a week or two. When the weather is cooler, this period may be longer. When native cattle are placed upon pastures which have been infected some time before with ticks, the disease will appear much sooner, because the young ticks may be already hatched out and attack the cattle at once. The fever appears before the ticks have matured. In fact, they are still small enough to be overlooked.

PREVENTION.

Keep southern cattle or manure from cars in which southern cattle have been hauled off the premises and keep susceptible cattle away from infected territory. The department of agriculture has been experimenting with dips of various kinds, and while they have nothing satisfactory as yet, paffacin oil is giving some good results. Dr. John Connaway, of Missouri Agricultural college, has been experimenting with a vaccine, or inoculation, and thinks he is on the road to success. The result of his experiments will be published in the near future.

PARASITIC BRONCHITIS.

Is a bronchitis caused by a parasite called "Strongalus Micrurus," which is found present in great numbers in outbreaks of this disease. The parasite is generally located in the bronchial tubes, but may be found in other parts of the body.

Cattle drinking stagnant water, or feeding upon very low pasture lands, are most frequently affected.

A cure may be affected by means of intra-trachial injections of turpentine, or other germicides.

During this biennial period, one outbreak occurred, in Clayton county, which caused the death of five animals.

THRUSH IN CATTLE.

This disease has been causing some loss to cattle owners in the southwestern portion of the State, and while the department has not been called to investigate, yet as a means of information I have secured the following short description of the disease from Dr. J. G. Parslow, assistant state veterinarian, who has seen a number of outbreaks in connection with his practice in the vicinity of Shenandoah:

During the late winter and early spring months Thrush in cattle has been the cause of considerable annoyance and loss to several stock men in Page and Fremont counties. In one herd of thin, aged cows, where the disease presented itself in rather an aggravated form, many died from thorough inability to move about and forage.

The cause of this trouble is no doubt due to an organism, formed by the decomposition of vegetable matter, commonly found on low lying, wet lands; such land is also suitable for the spread of the contagion. Once this irritating matter is lodged about the bulbs of the heels, or in the deep fissure of the foot, a tenderness and feverish condition of those parts is soon noticeable, followed by a profuse, obnoxious secretion. Then a gradual separation of the sensitive from the non-sensitive structures takes place, commencing at the bulbs of the heels, and progressing, if not interfered with, until the sole of the foot is entirely stripped of its covering. In this condition, cattle will lie around and starve to death, rather than suffer the agonies of standing to feed.

INFECTIOUS ABORTION IN EWES.

During this period we have been called upon to investigate one outbreak of abortion in ewes, which was quite serious. There were over 800 ewes in the flock, and at the time of our visit about 130 had aborted. At that time the ewes that first became pregnant were beginning to have their lambs, apparently healthy and developed, but there were still a large number that were fully a month from lambing time. There was nothing in the condition of the premises, feed or water, that should cause the trouble, and besides, the ewes were in first-class condition. Young and old were affected alike. We could but conclude that it was infectious in its nature, and similar to infectious abortion in cows. We recommended the carbolic acid treatment, together with disinfection of the premises and isolation of all infected animals.

HOG CHOLERA.

During this period we have been officially called to deal with one outbreak of hog cholera, in Fayette county. Dr. Scott, assistant state veterinarian, in dealing with the outbreak, established quarantine on each infected farm, together with the use of disinfectants. The result was that some refused to obey all the conditions of the quarantine, and others found fault with them in their carelessness and wilful exposure of their neighbors, and the community became all broken up into factions. We make this statement, although uncomplimentary to the veterinary department and the community in question, to show how far the citizens of Iowa are from a satisfactory solution of the hog cholera question, when a large percentage of our citizens refuse to try the efficacy of quarantine restrictions, together with disinfection and serum treatment, which we, as well as all students of the disease, believe will control and stamp out hog cholera. The Iowa hog raiser seems to enjoy seeing his hogs die, so he can go to his neighbor's and tell his troubles and receive their sympathy, and next he enjoys seeing his neighbors' hogs die, so he may have the opportunity of returning to that good neighbor the sympathy he extended, with interest at the rate of several hundred per cent. If the time thus spent in carrying infection and wind from farm to farm was spent in

cleaning up the premises at home, scattering disinfectants and administering serum and disinfectants to the hogs, together with a study of proper mixed rations for hogs, the disease would soon lose its virulence, and it would not go broadcast over our fair state year after year. The farmers will organize to fight Indians or any class of intruders, but never think of organizing to fight hog cholera by seeing to it that our wholesome laws already enacted shall be lived up to in every particular, and that no stream shall be polluted with the carcasses of cholera hogs; no pasture or timber lands shall be strewn with bleaching carcasses, a prey for "the wild beasts of the field and birds of the air," but that all hogs suffering from or exposed to cholera shall be under proper control, and all carcasses of hogs dying from cholera shall be burned as provided by law. The laws already upon our statute books, carefully lived up to by every citizen, will go a long way toward weakening and controlling hog cholera. Then add to this lawful care of hogs, disinfection and serum treatment, and we believe the dreaded hog cholera will be so controlled as to save to the farmers and hog raisers of Iowa 90 per cent of the great loss heretofore caused by hog cholera.

MALIGNANT CATARRH OF THE OX.

During this period we received a call to Wright county to investigate a disease which Dr. Niles, assistant state veterinarian, pronounced malignant catarrh of the ox. This disease begins like catarrhal fever and goes on to ulceration with foetid breath. It affects different organs of the body, but is in fact a respiratory disease. There is sloughing of the respiratory mucus membranes, with extensive ulceration. The percentage of deaths from this disease is generally high, sometimes reaching 90 per cent. It is considered infectious, although not of the most virulent type of infection.

MANGE.

During this biennial period we have been called to investigate two outbreaks of mange in horses, one in Decatur county and the other in Fremont county. In both instances treatment

was recommended and the affected animals placed in quarantine until recovery took place and no further danger existed. In this disease the disinfection of the premises is of as much importance as the treatment of the afflicted animals.

TUBERCULOSIS.

During this biennial period official visits and tuberculin tests have been made in the following counties, viz., Allamakee, Adair, Buena Vista, Carroll, Chickasaw, Crawford, Cass, Fayette, Henry, Ida, Linn, Pocahontas, Pottawattamie, Sac, Tama and Woodbury. In some herds no traces of tuberculosis were found, while in others the disease existed to quite an alarming extent. In three or four herds 80 per cent were found to be diseased. In some others 50 per cent, but in most herds the percentage diseased was below twenty. As a sample of the general average, we mention the results at Sioux City, where we tested 483 cows and condemned 91. In dealing with this subject we wish to convey to our readers, and more especially our legislators, the plain facts as regards this disease and its existence in the bovine herds of Iowa, but we do not for a moment entertain other than a friendly interest in the cattle industry of our great state; nor would we wish to say anything that would injure that industry, but rather speak in behalf of the permanent and healthy establishment of the same. To the man who still claims that tuberculosis does not generally exist in Iowa, and that mention of its existence does injustice to the cattle men of the state, we wish to say that tuberculosis does exist in every county in the state, and the deceptive plan of smothering the facts as heretofore will work greater injury to our cattle industry than to come out honestly and acknowledge the existence of this greatest menace to human life as well as to the lives of our bovine animals, and pledge our united efforts toward its eradication, to which end we invite the co-operation of the cattle owners throughout the state. The man who has 20 per cent of his herd tuberculous and allows the diseased animals to associate with the healthy ones in barn and on pastures will find in a short time that the percentage of diseased animals has doubled. Sometimes this occurs in a few months, and sometimes it will require a few years to so increase the percentage. On the contrary, if that

man will carefully test his herd, dispose of the diseased, cleanse, disinfect and keep the premises clean, he can surely eradicate the disease from his herd with the loss of the originally diseased percentage, without allowing that percentage to double up on him, as many men have done. The great obstacle we meet with in disposing of the diseased animals is the cry of the owners, "the state is robbing me of my property; the state should pay me full value for my cattle," etc. We reply emphatically that the state should not and cannot pay for any animal which is diseased and consequently has no value. Has any man a right to put a diseased animal upon the market and receive the price of a healthy animal for it? Since tuberculosis is preventable, the man who fosters it in his herd is accountable for his own loss. A man can be persuaded that it is his duty to destroy a glandered horse, because it is a menace to the horse industry, as well as dangerous to human life, his own life not excepted; and he will submit with very little fight for remuneration, but when you tell the same man he has a tuberculous cow, that tuberculosis causes a hundred times more losses of property than glanders, and sacrifices more human lives than any other disease known to man, he has the nerve to say "I don't believe it, and I won't allow that cow to be killed." You tell him that the milk from his tuberculous cow will transmit tuberculosis to hogs, cats, rabbits and guinea pigs, and he answers still "I don't believe it; I propose to sell her milk to my neighbor or give it to my children." All this being true, we think the state, in the interests of that man's health, and that of his family and neighbors, should emphatically say "your tuberculous cow is a menace to the public health, as well as the health of yourself and family, and is therefore pronounced a nuisance and condemned to death without right of appeal." We therefore stand opposed to the taxation of the people for the purpose of paying any and every man a price for his diseased animals. If the consumer of milk, meat and butter pays the price of good products he should receive them, and if the producer received that price for his products he should see to it that he offers for sale only pure, healthy products. The dairyman tries to justify himself in selling milk from suspicious or diseased cows on the ground that Jones or Smith sells milk to a neighbor from an untested family cow. All through there seems to be a tendency to justify wrong doing on the ground

that some one else does as bad or worse. Then the creamery man thinks he has found a remedy which exonerates his creamery butter, even though the milk from which the cream is separated is from a tuberculous cow, and contains the tubercle bacilli; in the centrifugal separator, which he claims through its wonderfully rapid revolutions separates all disease germs from the cream, and throws them off with the skimmed milk or sediment. This not only looks doubtful, but by experiments has been proven false, so the centrifugal separator man may as well come off his hobby, and help us eradicate tuberculosis from our herds, and by doing so place his creamery product above suspicion in the markets of the world.

The following article from the *Journal of Veterinary Science*, giving the results of inoculations from milk, sediment and cream from the centrifugal separator made by Kanthack & Sladen, Cambridge, England, throws much light upon the question of the transmission of tuberculosis in milk and even cream from the centrifugal separator:

Kanthack & Sladen (Lancet, London, England) have made a thorough examination of sixteen different milk supplies in Cambridge, England, and found that of these, nine were infected with the bacilli of tuberculosis. The tests were thorough in every case, the results of which show the necessity of inoculating more than one or two animals. The methods which they followed are described in detail:

Six guinea pigs were inoculated from each milk supply, and the results show that this number was by no means unnecessarily large, for in two instances out of the nine in which positive results were obtained, only one of the six animals inoculated became tuberculous. The facts elicited by these investigators are indeed striking and, we may almost add, appalling. More than half the supplies tested—nine out of sixteen—proved infective, while of the ninety guinea pigs inoculated in the course of the experiments no less than twenty-three (25.55 per cent) developed tuberculosis. It is possible that bovine tuberculosis is abnormally prevalent in the districts around Cambridge, though we have no statistics to support this opinion. It is probable, again, that the extremely searching character of the animal experiments is in part responsible for the high percentage of tuberculous milk found. But it is possible, and this is a point which, in our opinion, is of very great importance, that the employment for inoculation, not only of the centrifugalized sediment from the milk, but also of the cream, has had a definite bearing on the results.

There is an opinion prevalent in some quarters that the danger of conveyance of tuberculosis by cream is slight as compared with milk. These experiments point in exactly the opposite direction. Three times out of the nine cases in which a positive result was obtained did the cream produce tuberculosis, when the sediment failed to do so, and in no single

case was the sediment infective when the cream was not equally or more so. We are not aware that this point, clearly one of the first importance, has ever been distinctly brought out before. It is evidently impossible to disentangle tubercle bacilli from fat globules by mere centrifugalization.

The importance of the part played by milk in the dissemination of tuberculosis, especially in children, is well enough established. But it is researches like these which drive the facts home to the public conscience, and we heartily wish that more experimental work of this thorough type were forthcoming to emphasize and elucidate the dangers which attend the consumption of tuberculous milk.—*Modern Medicine and Bacteriological World*.

In connection with the subject of tuberculosis in Iowa I wish to call the attention of the legislators to the fact that in the absence of proper protective legislation our fair state is being made the dumping ground for cattle suspicioned or known to be tuberculous in all parts of the union. Will the legislature permit this to go on year after year? In the absence of proper protective laws in Illinois, Governor Tanner issued a proclamation recently prohibiting the importation of cattle for dairy or breeding purposes unless accompanied by certificate of test. A good measure for Illinois but dangerous for the people of Iowa, because car load after car load of Iowa cows are being tested preparatory to shipment to Illinois, and what is being done with the ones that react and cannot be shipped, of which there is liable to be about four in a car load? Are they to remain in Iowa and be sold again to Iowa dairymen? If so, the percentage of tuberculous cows in Iowa is bound to increase very materially. Without clear authority in law, the writer has very firmly required of the veterinarians whom he has recommended to the Illinois cattle commission as qualified to make satisfactory shipment tests, that they shall place all cows that react to the test in quarantine, in the name of the State, and shall not allow such cows to be secretly sold or bartered off to our farmers or dairymen. It will clearly be the duty of the legislature at the coming session to enact such laws as will make it the duty of any veterinarian or other person making a tuberculin test in Iowa to quarantine all animals that react, or report their findings to the local board, and it be the duty of such board to quarantine such diseased animals, and any veterinarian or other person, or local board, failing to comply with such law should be subject to fine or imprisonment at the discretion of the court.

For a thorough description of tuberculosis and its geographical distribution, we direct our readers to the paper on "Human and Bovine Tuberculosis," by Dr. G. A. Johnson in this report.

In conclusion, we most earnestly and honestly state that bovine tuberculosis exists throughout the state to a considerable extent, and if not carefully combatted will increase. That it will require larger appropriations to eradicate it from our herds and place our cattle and their products above suspicion in any state or nation. That all this can be accomplished by appropriating enough money to carry out the work without appropriating a dollar to pay the producer of diseased cattle. I ask the legislators and the people they represent: Shall we unite as one man in the interests of our cattle herds and their products, to eradicate this disease from Iowa herds, thereby placing our milk, butter, cheese and beef before the consumers of the world free from diseased germs, especially the tubercle bacilli?

DISINFECT DAIRY BARN.

The following rules for disinfecting and cleansing barns should be adopted by all who desire to have healthy animals and their dairy products free from taint of any kind:

1. Clean out all litter, excrement, rejected fodder, cobwebs and dust, thoroughly sweeping down the walls and ceilings.
2. Spray ceiling, walls and floor with a solution of bi-chloride of mercury and water, 1 to 500.
3. Thoroughly whitewash all parts of barn with a white-wash containing one quarter of a pound of carbolic acid and a pound and a half of lime to a gallon of water.
4. See that the drainage from under the floors is sufficient to carry away all refuse matter. This is an important factor in keeping a healthy, clean barn.
5. See that all manure is carted away daily. We find in some instances great piles of heating manure against the outside walls and the offensive fumes therefrom permeating all parts of the barn.
6. See that the watering troughs are cleaned two or three times a week and only pure water given the dairy cow.

After milking each cow the milk should be carried to a scrupulously clean milk room and there strained and cooled. It should be stirred frequently until thoroughly cooled. A can of

milk may be placed in a refrigerator and allowed to cool without stirring, and it is certain to have a bad odor and taste, but with proper stirring while cooling this will be prevented.

Each dairyman is required to carry out the above rules for disinfection and cleansing of dairy barns and surroundings before a health certificate is issued.

THE RELATION OF BOVINE TO HUMAN TUBERCULOSIS.

The following excellent paper, by G. A. Johnson, D. V. M., Sioux City, Iowa, was read before the meeting of the Sioux Valley Medical association, at Storm Lake, in June, 1899. It deals very fully with the geographical distribution of bovine and human tuberculosis, and shows conclusively that human consumption does not exist where the family cow and her products are not used. We request all into whose hands this report falls to read Dr. Johnson's paper, which contains so much information on the subject of tuberculosis.

THE RELATION OF BOVINE TO HUMAN TUBERCULOSIS.

MR. PRESIDENT, LADIES AND GENTLEMEN—Perhaps you, my hearers, are not in accord with him who sang "Tell me the old, old story, tell it again," but I trust that you will bear with me for a short time while I give you a somewhat recent version of the old, old subject, tuberculosis.

I say the old, old subject, for history from the earliest times to the present day is replete with accounts of a disease that to-day we term tuberculosis.

Various terms have been used to designate the disease, and numerous theories have been advanced to explain its etiology and pathology. Often these theories confounded this with other and entirely dissimilar diseases, and until recently several of the localized manifestations of the disease were considered as separate and distinct diseases.

At one period the disease would be considered contagious, and at another, not so. These changes in the prevailing theories have been much more marked and frequent among physicians than veterinarians. Theory could not convince the veterinarian that the disease was not contagious, when he saw it spread, gradually, yet surely, from one animal to another, under favorable conditions.

But it was not until the latter half of the nineteenth century that the etiology and pathology of this "great white plague" were placed upon a sound basis, through the works of Villimian and Koch.

Notwithstanding the fact that much has been accomplished, since these discoveries were made, there remains many phases of the subject to be worked out. One of the most important of these problems yet to be solved

is the relation existing between human and bovine tuberculosis. And it is this phase of the subject that I wish to present for your consideration this evening.

Succinctly stated, the proposition is, that tubercular lesions, wherever found, are the direct results of the action of the tubercular bacillus; and further, that the domestic cow is the natural harbinger of this bacillus; or in other words, tuberculosis was primarily a disease of the bovine specie, and is found in man and other animals as a result of transmission, brought about through the ability of the tubercular bacillus to adapt itself to the various conditions, as found in the various animals.

I fully appreciate the fact that this position is not in accord with the prevailing thought of the medical profession; but it would be a waste of time and energy, yours and mine, for me to present thoughts fully in accord with yours.

Assuming that it is generally agreed that the disease is transmissible from one animal to another, and from various species to others, man included, I shall confine my efforts to a brief resume of some of the facts that indicate that tuberculosis is naturally a bovine disease.

PREMISES.

If we find that a certain disease is always prevalent where certain conditions prevail, the world over, and that it is never prevalent where these conditions do not exist, we have at least very strong presumptive evidence that these particular conditions must exercise a greater or less influence upon the distribution and spread of this disease.

This fact having been established, it at once places the disease in a new light, and suggests very important factors in relation to the control or eradication of the disease.

If this premise is tenable and susceptible of a logical deduction, and I believe that it is, such factors should always be considered in dealing with any disease, but more especially a contagious one.

In following out this thought, a brief examination of some of the various conditions in which we find tuberculosis most prevalent may present a new phase of the question.

CLIMATE.

While a dry, temperate climate may have more or less favorable influence upon the progress of the disease, we know that no set of climatic conditions, as to heat or cold, dryness or moisture, constantly prevails, for we find that the disease is prevalent in various sections from the torrid to the frigid zones.

Again, altitude, while it has in most places a marked influence on the progress of the disease, has but little influence upon the distribution of it, as is shown in the fact that certain peoples inhabiting the Dead sea basin, which is between 100 and 200 feet below the sea level, are free from tuberculosis; whereas, it is more or less prevalent among most people inhabiting the mountainous regions of Europe and America.

Civilization is not a constant factor in the distribution of this disease, for some of the savage and semi-civilized peoples are seriously afflicted with tuberculosis.

Other things being equal, we find the disease more prevalent the denser the population, but density of population is not a constant factor in the distribution of this disease, for we find that the masses of the people of China and India, two of the most densely populated countries of the world, are comparatively free from tuberculosis, whereas the disease is quite prevalent among the farmers of Europe and America.

Filth and poor sanitation have a marked influence in hastening the development of the morbid processes, but they are not constant factors and exert but little influence upon the distribution of the disease, for we find it all the way from the wigwam to the palace.

Thus we find that while the various conditions of climate, altitude, sanitation, etc., exert more or less influence upon the development of the morbid processes, they have but little influence upon the distribution of the disease.

Perhaps you are saying that tuberculosis is so widespread and is prevalent under such diverse conditions that there are not and cannot be any constantly associated factors in its distribution.

Nevertheless, a careful study of the geographical distribution of tuberculosis reveals the fact that all peoples who use the milk and flesh of the domestic cow (the in and in-bred cow) as food products, are more or less afflicted with tuberculosis. And further, that there is usually a very uniform ratio between the quantities of such foods consumed and the prevalence of the disease among the people.

On the other hand, all of those people who do not use the food products of the domestic cow are comparatively free from the disease.

The exceptions to the above are those communities where there are a greater or less number of transient tubercular patients, or where a greater or less percentage of the inhabitants are tuberculous subjects, who have migrated to these special localities that they might receive such advantages as climatic conditions and altitude might afford.

A short resume of the geographical distribution of the disease will, I think, justify this statement of facts:

Prof. E. F. Brush, M. D., of Mount Vernon, N. Y., in a paper read before the New York Academy of Medicine, April 18, 1889, makes the following statement: "This insidious and delusive disease is not the result of civilization, as is generally supposed. Barbarous and semi-civilized races are afflicted as severely as many of the most advanced civilized races.

"Neither geographical position nor climatic conditions are a factor in the distribution of pulmonary phthisis. Every known part of the globe, with a few isolated areas excluded, is a habitat of the disease. After several years of close study of the affection, and consulting all accessible statistics and the habits of the people where the disease prevails, the only constantly associated factor is found, in my opinion, in the inbred bovine specie, without any regards to the social position of a community or its geographical habitation, terrestrial or atmospheric condition. If a community is closely associated with inbred cattle, tuberculosis is prevalent."

In the fifteenth annual report of the state board of health of New York, for the year 1895, on page 720 may be found the following: "Human tuberculosis is co-extensive with bovine tuberculosis. Broad generalization of our knowledge shows a close parallelism between the numbers of dairy cows

and the prevalence of tuberculosis in the human race. Countries that have few or no cattle, or in which the herds are mainly kept in the open air, and are therefore largely protected from the disease, show as a rule little tuberculosis in man."

EUROPE.

In the European countries cattle have existed and tuberculosis has prevailed in man, to a greater or less extent, for centuries. Some special localities will be mentioned later.

In some of the more recently civilized countries, we find that tuberculosis was very rare or unknown before the introduction of the domestic cow.

AUSTRALIA.

During the early settlement of Australia by the English, tuberculosis was so rarely seen as to give strength to the idea that the climatic conditions of the country were incompatible with the disease. But with the advent of cattle raising, which began to be carried on extensively in 1821, consumption began to appear among the people and it has gradually increased, as has cattle raising, until the disease has become nearly as prevalent there, notwithstanding the delightful climate, as it is in the mother country, England.

NEW ZEALAND.

A similar condition prevails in New Zealand; previous to the colonization of this country by the English, phthisis was unknown among the Maories. But with the advent of the Englishman's cow, tuberculosis became a veritable scourge to this simple people, that threatens the extinction of the race if measures are not taken to control its spread. As Hirsch has so well put it: "In my opinion, the death rate from phthisis will keep on increasing in that locality if the breeding of cattle is not properly regulated by law." This statement of Hirsch means that tuberculosis must be controlled in cattle, or the Maories must go.

SOUTH AFRICA.

In South Africa we find a different condition. The early explorations of the white man revealed the fact that the principal vocation of the coast tribes was cattle raising. And, owing to the peculiar customs of these tribes, their cattle were very closely inbred. It was also noticed that tuberculosis, of a very malignant type, prevails among these tribes. Whereas the tribes of most of the interior parts of Africa, who have no domestic animals because of the Tsetse fly, are free from tuberculosis.

MADAGASCAR.

The native tribes of this island have comparatively large herds of cattle, the flesh and milk of which form their principal source of food. And, according to Grenet, this semi-civilized people are severely afflicted with tuberculosis.

NORTH AMERICAN INDIANS.

Previous to the time that Uncle Sam placed the Indians under his fatherly care, they were free from tuberculosis; but since they have so far advanced in civilization as to eat beef furnished to them by this govern-

ment, tuberculosis has become very prevalent. According to some of the physicians who have been stationed at some of the Indian reservations, tuberculosis causes as high as 50 per cent of the mortality of some tribes. The custom of dividing a carcass of beef among a large number of Indians, and the fact that they eat any and all parts uncooked, either fresh or dried, will probably account for the prevalence of the disease, as a single carcass would, under these circumstances, serve to infect a large number of Indians. Some have attempted to account for this unusual per cent of infection by the filthy habits and unsanitary abodes of the Indians. But I am of the opinion that there are no reasons to believe that the Indians are filthier to-day than they have always been. Nor are the Indian wigwams any filthier or as close and unsanitary, as are the igloos of their northern brothers, the Esquimaux; yet these latter people, in their natural haunts, are free from tuberculosis. The Esquimaux has his dogs and reindeer, but no tuberculosis; while the Indian has his dogs and beef, and is seriously afflicted with tuberculosis. On the other hand, it has been found that the Indian is no more susceptible to the disease than is the Esquimaux. For when the Esquimaux is brought in contact with the white man and his cow, he readily contracts the disease, as is shown by the prevalence of tuberculosis among these people who live in the Danish settlements of Greenland.

ST. MICHAELS ISLAND.

In St. Michaels Island we have a somewhat different condition. Large numbers of cattle and sheep are kept on the island, but they belong to the landlords, who export most of the meats and milk products. The peasants who take care of the stock and market the products toward payment of rent for the land, principally use the ass as a beast of burden and a milk producer for his own family, because this animal can be kept more economically. Notwithstanding the fact that the climate is not favorable for tuberculous people, the disease is very rarely seen among the peasants.

ICELAND.

A very similar condition exists in Iceland, yet the Icelanders are quite susceptible to the disease when they immigrate to Denmark, where meat and milk are staple articles of food.

SWITZERLAND.

In some of the cantons of Switzerland there are few cattle, goats being largely used instead, and tuberculosis is not common in man, while in other cantons there are more cattle, and tuberculosis is more prevalent among the people.

ITALY.

In Italy, a country blessed with one of the balmiest climates of the globe, tuberculosis is very prevalent.

STEPPES OF RUSSIA.

The Cossacks who inhabit the steppes of Russia are free from tuberculosis. These people use the flesh and milk of the horse for food. They have large numbers of horses, but no cattle.

GREAT KABYLIA.

Tuberculosis is unknown among the semi-civilized tribes of Great Kabylia. These people have large flocks of sheep and goats, but no cattle.

SOUTH AMERICA.

Similar conditions are found in a majority of the South American countries. That is, they do not use much beef or milk, and they are comparatively free from tuberculosis.

THE UNITED STATES.

But let us come a little nearer home. A few years ago when the red man followed the bison and the deer trails over our western prairies unmoled by the hand of civilization, Minnesota and Iowa were thought to be nature's sanitarium for consumption. But to-day we find the white man in possession, and cattle raising one of the principal industries of this, comparatively, thinly settled country. And tuberculosis is quite prevalent among the people; while it is estimated that 1 to 3 per cent of the cattle (and we know that as high as 75 per cent of some herds) are tubercular. Thus we find that as the country settles up, and cattle raising takes the place of the chase, nature's sanitarium moves to the west.

CHINA.

In China we find a peculiar condition relative to tuberculosis. The wealthier, or ruling classes, who live in the best homes and are surrounded with the best sanitary conditions of the country, having plenty to subsist upon, and using more or less of the food products of the cow, are frequently afflicted with tuberculosis, while the poorer classes, who can scarcely eke out an existence, and live in crowded quarters and under conditions that are anything but good from a sanitary standpoint, subsisting almost wholly upon a vegetable diet, probably never tasting meat other than rat soup, are free from tuberculosis.

INDIA.

A somewhat similar condition prevails in India. Owing to religious beliefs these people are largely vegetarians.

Other and similar instances could be cited, but I trust that sufficient has been presented to substantiate the statement that among every people who use the food products of the domestic cow, tuberculosis is more or less prevalent; while it is rarely, if ever, seen among those peoples who do not use such foods.

COMPARISON OF THE DISEASE.

In the main, the morbid lesions are very similar, if not identical, in man and cattle. Yet a brief comparison of the disease as seen in the two species reveals, among others, these apparent differences, which may in reality be differences of degree rather than of kind.

First.—The disease runs a more insidious course in cattle than in man.

Second.—The formation and escape of tubercular pus is much more limited in cattle than in man. This is probably due to the marked tendency in cattle toward a limitation of the morbid process by the formation of a dense, firm, fibrous, limiting membrane, surrounding such morbid processes.

Third.—The ulcerative condition so frequently met with in man is not so common in cattle.

Fourth.—Septicæmic conditions that so constantly accompany pulmonary tuberculosis in man are rarely seen in cattle, except in the very last stages of the disease.

Fifth.—The anæmia, rapid loss of flesh and strength, so constant in tuberculosis of man, are not seen in cattle, except in the latter stages of extensive morbid lesions.

Sixth.—Tuberculin has very little, if any, deleterious effect on cattle, whereas it is supposed to have a marked influence on the germ, arousing an activity in latent conditions of the disease in man.

Seventh.—Differences, though slight as they may at first appear, indicate that the cow is the natural harbinger of this germ; or at least that nature has endowed cattle with much stronger powers of resisting the invasion of the tubercular bacillus.

If the disease is wholly or even largely distributed by tubercular people, why is it that in China the disease is quite prevalent among the wealthier classes, who are surrounded with the better conditions of life, while it is very rarely found among the poorer classes, who live, to use the expressive slang phrase, "an old way?" Why is the disease not transmitted from the wealthier to the poorer classes? Would it not be reasonable to expect that after it had once gained access to the haunts of these poorly clothed, illy housed, and precariously fed people of the poorer class, that it would spread among them with more rapidity than it would among those whose surroundings are better in every way, and less favorable to the development of the disease, except that the wealthier classes use the food products of the cow?

□ If the disease had been but recently introduced into this country by a few persons having contracted it in some foreign country, it would be easy to arrive at satisfactory conclusions, but such is not the case, for the conditions, as relates to the disease and the two classes, have not materially changed for many years.

The only logical deduction that I have, as yet, been able to derive from these facts, is that the cow, in this case at least, is the principal factor in the spread of the disease. And what is true of this case should be equally true in others. Perhaps others may be able to offer a more satisfactory explanation.

Again, if the human tubercular patient is such an important factor in the transmission of the disease, why do not the permanent inhabitants of resorts for consumptives more readily contract the disease? Or why do not the tribes of Central Africa become infected from the coast tribes?

Would it not be reasonable to expect this process to go on until the disease would be as prevalent among the interior as the coast tribes?

It would appear from these facts that there is very little tendency for the disease to spread among those peoples who do not use the food products of the cow.

One of the most common, and perhaps the most fallacious argument that is brought forward in support of the theory of human transmission, is the theory that the seat of primary infection, or more properly speaking, the seat of the most frequent extensive morbid lesions, is an indication of the

method of infection; or, in other words, that the seat of the morbid lesions points out the avenue through which the germs gained an entrance to the animal economy.

If we reason by analogy, it is at once apparent that the theory is misleading. Take for illustration, smallpox, measles, mumps, Asiatic cholera, bubonic plague, yellow fever, etc. These are bacterial diseases that are transmitted, or rather contracted, by inhalation. Yet in none of them are the morbid lesions confined to the air-passages or the lungs; in fact, these organs are not affected, except as a complication of the disease proper.

Again, anthrax and blackleg of cattle, and glanders of the solipeds, are usually contracted through the ingestion of contaminated foods or water; but the morbid lesions are not confined to the digestive tract; in fact, it is the exception to find seats of the infection in these organs, especially in the latter disease.

The question naturally arises, why should this theory apply to the tubercular bacillus so much more forcibly than to other organisms of a similar nature? Nor do laboratory experiments substantiate this theory as fully as we might reasonably expect.

It should be borne in mind that in artificial inoculation the bacilli are usually introduced into the animal economy in very much larger numbers at a time than in natural infection.

Is it beyond the limits of sound reasoning to suppose that if a large number of these germs are introduced at a given point that they will act as a foreign body that will produce more or less irritation, thereby forming a favorable nidus for the development of the germs and obstruct their entering the circulation? Whereas, in natural infection the germs are usually so few in number as to produce little or no irritation to a free surface; consequently, they would be much more likely to gain an entrance to the circulatory system. Therefore, we should expect a much greater per cent of development of morbid lesions at the point of entrance in artificial than in natural inoculation.

My experience in post mortem inspection leads me to believe that in cattle primary lesions of the lungs are comparatively rare. A careful necropsy will usually demonstrate that the primary focus or foci are in some of the lymph glands, and with these serving as extensive culture fields, from which the germs are carried to other parts of the animal economy by continuity of the parts and by the circulatory systems. This process of auto-infection, with probable reinfections from external sources, sooner or later results in extensive or generalized morbid lesions.

In swine the lymph glands, spleen and the osseous tissue seem to be the most frequent seats of primary foci.

It is evident from the above that the germ first enters one of the circulatory systems before finding a field suitable for its development.

If this be equally true in the human, as some post reports seem to indicate, it is very evident that the theory in question is erroneous.

In connection with this phase of the subject, I will cite the history of a case as given to me recently by a prominent physician who was called to treat what he had reason to believe was a case of chronic, or more properly speaking, simple tonsillitis in a woman. Ordinary treatment for this affec-

tion was prescribed, and the throat lesions rapidly subsided without rupture on the free surface; but the patient developed constitutional disturbances which proved to be tubercular meningitis that ran a remarkably rapid course, death taking place on the forty-first day from date of calling the physician to attend the throat trouble. This woman was of a tuberculous family, a brother having recently died of that disease.

Judging from the conditions I have seen in cattle, as above described, I am inclined to believe that this throat trouble was tubercular, and that instead of the tubercular products escaping by an opening on a free surface, as in previous attacks, it was absorbed, with the results as above stated.

Again, will the advocates of this theory please explain how it is that we have primary infection in the form of tubercular otitis, arthritis and meningitis? If the germs do not enter the circulatory system, how do they reach these deep seated tissues? And if the germs do enter the circulatory system in these instances, are they not just as likely to enter it in other instances? And if they do enter the blood channel at all, are they not as liable to be carried to the lungs as from them?

One more thought relative to the spread of this disease by inhalation. It has been demonstrated beyond question, by a number of the leading bacteriologists of the day, that sunlight and atmospheric exposures will destroy most of the pathogenic micro-organisms. This seems to be especially true of the tubercular bacillus, yet how often it is that physicians and others will write and talk about the dangers of contracting tuberculosis by inhaling the tubercular germs that are constantly floating in the air in connection with dust, etc. While there is no question but what the tubercular bacillus may often be found in quite large numbers in the dust of buildings and especially rooms that have been, or are, occupied by phthisis patients, it is equally true that outdoor air is rarely contaminated with these germs.

If the air is so impregnated with these germs as some would lead us to believe, would it not be reasonable to expect that we would have more or less wound inoculations in the bovine species, for wounds in cattle are very rarely kept antiseptic. And if we should get inoculations from this source, and the theory is true that the tubercular bacillus always leaves his path of entrance to the animal economy strewn with morbid lesions, we would certainly have more or less cases of local manifestation of the disease in cattle, the same as is sometimes seen in the human, and fully 90 per cent of all adult cattle would thus become inoculated at some time. Yet so far as I know, there is not a single case of this kind on record.

No, gentlemen, when we talk about the constant spread of this disease through the inhalation of the germs in the outside air, we are simply clinging to the relics of an old, pernicious, bygone theory.

Several theories have been advanced to explain how immobile bacilli gain an entrance to the animal economy, but my time will not permit me to discuss this phase of the question, farther than to say that while none of them have as yet been fully substantiated, some recent experiments seem to indicate that germs adhering to oil globules, as in meat and milk, may be readily taken up by the lacteals. When this point shall have been settled, it will undoubtedly clear up some mooted questions of to-day.

I am of the opinion that the tubercular bacillus usually enters either the blood or lymph systems as does other germs, and is carried along until it reaches a field that presents favorable conditions for its development, provided it is not destroyed by natural forces before reaching such fields. The lymph glands, especially those of the splanchnic cavities, most frequently present favorable fields for the primary development, though this may differ somewhat with age, specie and the physical condition, not only of the animal economy, but with the various organs, as injuries of the osseous tissue, especially in the young emboli and stenosis of the small blood vessels, etc. The air vessels of the lungs, especially in man, may at times present favorable conditions, but these are exceptions, rather than the rule.

While it is quite generally agreed by the medical profession that there is more or less danger in the use of the food products of tuberculous animals, this phase of the question has never received the attention that its importance justly demands. There has been but little concerted action upon the part of the medical profession to prevent the spread of the disease through the use of the food products of tubercular animals.

It appears as though a large per cent of the busy practitioners have, perhaps unintentionally, arrived at the conclusion that to control tuberculosis is beyond the power of man, and give the subject very little consideration, other than to prescribe such lines of treatment as promise the best results, entirely ignoring the fact that their patient is, perhaps, being daily reinfected through the use of contaminated foods.

It is evident from the almost unlimited lines of treatment that have been advocated, that curative treatment has received much more attention than has been given to prophylactic treatment.

Perhaps you are asking, what can be done to lessen the spread of the disease? In reply I would say that if the logical deductions of this paper were followed, all that would be necessary would be to stamp out the disease in the bovine specie. But to assist in the good work, to hasten its accomplishment, and to obviate all danger of a possible error in the views presented, I would suggest the adoption of such sanitary precautions as may be justly enforced relative to tuberculous people and animals; for every tubercular animal is, to a greater or less degree, a disseminator of the tubercular bacillus, and I would especially urge the prohibition of the traffic in and sale of the food products of tuberculous animals, as may be accomplished by proper milk and meat inspection, as indicated in the following:

By the proper use of the tuberculin test and proper sanitary measures, the dairy can be freed and kept free from tuberculosis, and inspection properly carried out will prevent the sale of the flesh of diseased animals. But in order to accomplish this we must have laws enacted that will provide for such inspection and furnish the money with which to carry on the work; and before this can be accomplished, the general public must be educated, to have a just appreciation of the dangers that constantly attend the use of all foods that may be contaminated with tubercular bacilli.

THE POSITION OF THE PHYSICIAN.

As physicians, you have it in your power to wield an immense influence for good in this field. Good results would soon be manifest if each physician

would recommend to his patrons the use of, and use in his own family only such animal food products as have been properly inspected.

Each and every physician has more or less political influence which he should not fail to exert in behalf of wholesome legislation along these lines. This is a just proposition, because the question of stamping out tuberculosis, that is, the enactment of laws and the appropriation of money to carry on the work, savors largely of politics.

If the medical profession of the state would make a united effort in behalf of the suppression of tuberculosis in the dairy cattle of the state, it would not be long ere we would have good laws and plenty of money with which to carry on the work.

In conclusion, let me urge you to arouse from your lethargic state relative to this disease. Let all of us take an active part in stamping out this, the greatest of all animal scourges, that we may feel that we have in this instance at least, fulfilled our duty towards mankind.

BIBLIOGRAPHY—(1) Paper by Prof. E. F. Brush, M. D., of Mt. Vernon, N. Y., before the New York Academy of Medicine, April 18, 1899, The Relationship existing between Human and Bovine Tuberculosis. (Veterinary Review, Vol. 14, No. 11)

(2) State Board of Health of New York, Fifteenth Annual Report, 1895.

(In compiling this paper, I have freely consulted all authorities at hand, and especially the two above cited.)

A PECULIAR DISEASE.

In the spring of 1899 we were called to investigate an outbreak of disease at Mt. Pleasant, which was a little difficult to diagnose. The symptoms were such as to create suspicions of tuberculosis, which induced us to apply the tuberculin test, which gave us only two reactions in the herd of forty-seven cows. A post mortem was made on one cow that reacted. Some tubercular lesions were found. There was revealed, however, a disease of the intestines, which caused irritation, abnormal secretion of mucous and some diarrhoea. In the coats of the intestines were found numerous nodules, a number of which were taken for examination under the microscope, together with mucous contents of the bowels. The result of such examination is given here in the following letters from Dr. O. A. Geeseka, of Mt. Pleasant, who was very much interested in the case and brought his microscope and expert knowledge into play, which assistance we appreciated very much:

MT. PLEASANT, IOWA, May 22, 1899.

J. I. Gibson, State Veterinary Surgeon, Denison, Iowa:

DEAR DOCTOR—Your letter relative to the Carron's herd received. You will remember that while Dr. Griffith was making the post mortem he found among the many nodules on the intestines an unusually large one,

and in trying to remove it ruptured the same, and that the contents thereof appeared to be a yellowish-green pus. On microscopical examination, it proved to be pus, and also to contain a bacilli which had the appearance under a 1-12 oil immersion lens of the typhoid bacilli in the human. They had all appearance of being motile, but I did not succeed in staining the flagella if they possessed them.

I cultivated some on Loeffler's blood serum, also on glucose agar. They made a very profuse growth. Although I said above that these bacilli resembled the typhoid bacilli, they also resemble the bacillis *Coli communis*, and for want of time I have not made a differential examination.

Yours truly,

O. A. GEESKA, M. D.

MT. PLEASANT, Iowa, June 7, 1899.

J. I. Gibson, State Veterinary Surgeon, Denison, Iowa:

DEAR DOCTOR—I have re-examined the bacilli from the Carron's cattle and find them to be motile and in all respects like the typhoid fever bacilli in the human family, save and except that they are somewhat larger, which may be due to a difference in the location of their growth. It is a well established fact that difference in culture, media and environment will cause a difference in the growth of some kinds of bacilli.

So that we are fairly safe in saying that it is the bacilli typhi that were found in the Carron's herd, and are the cause of the disease there existing.

Yours truly,

O. A. GEESKA, M. D.

A CAMPAIGN OF EDUCATION.

We all need a higher education in sanitation, which will enable us to bring about legislation which will better preserve the public health, as well as teach us that a higher life in personal sanitation is necessary in order that disease by contamination or infection may be known no more.

The following paper by Senator J. M. Emmert, M. D., of Atlantic, was read before the Iowa State Veterinary association, and will impart to its readers an education which will prove useful and beneficial in everyday life. I especially call the attention of the reader to the high scientific position in which the veterinarian is placed by the author of this valuable paper:

A CAMPAIGN OF EDUCATION.

We have heard much the last few years of campaigns of education.

The great political battle of 1896 was called a campaign of education, because almost every man, woman and child in this great country was studying the money question and the most learned men on both sides of the

question were employed to prepare circulars, leaflets newspaper and magazine articles, which were scattered abroad by the millions.

The question of slavery was settled by force of arms, but only after the people had been aroused by the teachings of Wendell Phillips, Lloyd Garrison and Horace Greeley.

But, notwithstanding the newspaper campaigns of these men, and the eloquent addresses in the halls of congress, the nice, quiet, pathetic, earnest and truthful appeal made by Harriet Beecher Stowe, through "Uncle Tom's Cabin," was the small still voice that aroused the people to action, and slavery went down before its mighty influence.

Thus it is that in all reforms it is the quiet but persistent work by those who are devoted to the cause that will win in the end.

I have selected this subject for your consideration, to-night, because I regard you as a band of educated and scientific men who are engaged in the great warfare against filth and disease, and preach the gospel of cleanliness and happiness; and I want to welcome you as co-workers in this field with the profession to which I have the honor to belong.

The day of the "horse doctor" is past and gone, and the educated veterinarian has taken his place, full of enthusiasm, zeal and a desire to understand the underlying causes of disease, and, if possible, to remove them.

He is satisfied with nothing but a scientific explanation of all questions pertaining to the profession. I am rejoiced to find so many of the profession not only interested in sanitary questions, but practical sanitarians.

As the people become educated to your worth, not only as veterinarians but as sanitarians, your sphere of usefulness will extend.

You are presumed to understand the diseases of animals, both alive and dead, and able to point out and explain the difference between diseased and healthy food products, especially meat and milk. This being the case, no man in the community can be of as much benefit upon the local board of health as the learned veterinarian, and, I think, the time is not far distant, or at least I hope so, when every slaughter house, meat market, dairy, or other place where food products are bought and sold, will be inspected, and under the supervision of the local board of health. When that time does come, gentlemen, you will be called upon for your services, and the people will demand that they have the benefit of your knowledge. In fact, it is your duty, as well as mine, to assist in bringing about this happy result. You understand the dangers of eating meat infected by trichina and actinomycosis, or drinking milk infected by tubercular bacilli; along with the medical profession, and with sanitarians, it is your privilege, as well as well as duty, to be teachers, leaders, and educators in this great work. The field is not only great, but the work is grand.

No man can fill the niche in the world that God intended he should fill, and live for himself alone. What we do to elevate and make humanity better, place our fellow-man upon a higher plane of usefulness, make him happier, wiser and more prosperous, will alone secure the greatest happiness for ourselves and make us feel that we have not lived in vain.

You will be confronted by many difficulties, and will have all kinds of obstructions to overcome in your fight against ignorance, prejudice, sordid and avaricious desire to accumulate wealth. All these obstacles must be removed or overcome before the people will understand and appreciate the

fact that they have an abiding interest in the fight against filth and disease.

Your fight is in the interest of humanity; not of life alone, but the protection and preservation of property as well. I will not attempt to go into statistics to any extent to prove any assertion I may make, but suffice it to say that one-half of the deaths are caused by contagious diseases, all of which are preventable diseases and should be eradicated, and would be if proper sanitary laws were upon our statute books and heroically enforced.

The existence and spread of typhoid fever, scarlet fever, diphtheria, tuberculosis, hog cholera, trichina and actinomyces are *prima facie* evidence of either our ignorance or criminal negligence, and an insult to our higher civilization.

The loss of life and destruction of property by these preventable diseases are beyond our conception unless studied in the light of modern, scientific statistics. Take as an illustration tuberculosis, or the great "white plague," as it is sometimes called. One out of every seven deaths throughout the world is caused by tuberculosis. Iowa contributes nine deaths every day; 3,000 every year. The United States contributes 150,000 and the world 5,000,000 per year.

Contemplate these figures for a moment, then ask yourself why the people are not aroused to the dangers that surround them, and demand that our law-makers, both state and national, shall enact laws to stamp out this disease, or at least prevent its fearful ravages. If a case of smallpox is reported in this or adjoining states, the state board of health at once makes preparations to prevent its spread. Newspapers take up the cry of danger, and the people become excited and demand that the local boards of health be doubly vigilant.

Last winter the house of representatives of this state sent Dr. Kennedy to the northern part of this state to investigate a case of leprosy, and see what was necessary to protect the state from its ravages. What a farce! This is literally straining at a gnat and swallowing a camel. More people die of tuberculosis in one month than have died of smallpox in the last ten years. The almost complete stamping out of smallpox is a beautiful example and a scientific demonstration of what can be done by preventive medicine; and, if to-day the laws throughout the united world compelling the vaccination of every child at a certain age were enforced, smallpox would, in ten years, be a lost disease.

Now, in my judgment, tuberculosis is just as easily stamped out as smallpox. It may take generations to do it, but with proper legislation and its complete enforcement throughout the world—I mean a concerted action of all the powers of the world—will reduce the mortality due to the disease to a minimum, if not entirely wipe it out.

But to do this we must start right; we must understand thoroughly the etiology of the disease, its natural history, how it spreads, etc.

Every case of tuberculosis comes from some other case of tuberculosis in either man or beast.

There is no such thing as spontaneous generation of tuberculosis. The germs causing the disease do not arise in that way. Every germ must come from a pre-existing germ and be grown in a suitable medium to produce the disease in man or beast.

Now this man or beast may be a suitable medium for the disease, but if they never get any germs into their system, they will never have tuberculosis. Then what must we do to prevent their taking the disease? Why, of course, keep them away from the disease, and in this way keep the disease away from them. A large per cent of the cases are caused by the inhalation of germs floating in the air, and which were thrown off by expectoration by human beings, discharges from the nostrils of animals, or from the bowels of both. These discharges are dried and float in the air, and are drawn into the lungs; or, as in animals, they are rubbed on troughs, posts or other material, to be licked up by the animal.

But this is not the only way the disease can be contracted. Tuberculous meat and milk are responsible for a certain per cent of these cases.

Meat, if properly cooked, may be eaten with impunity, but we do not yet understand what is properly cooked tuberculous meat. A certain temperature may kill the bacilli, but not the spores; so the safest way is not to eat it at all. In my judgment, a large majority of bottle-fed children that die and are reported as marasmus, cholera infantum and other wasting diseases, are nothing more than intestinal or meningeal tuberculosis, caused by tuberculous milk.

But there is another and very important side to this question, and one which our agricultural friends are especially interested in.

The loss of cattle by this disease alone runs into the millions of dollars. The property value of stock, thus diseased, is hard to estimate, as no statistics to my knowledge have ever been gathered. I know one stock raiser in my part of the state who had destroyed by our efficient state veterinarian, for tuberculosis, \$5,000 worth of high bred cattle. This gentleman had a practical but very costly lesson, but he intends to profit by it, as he wrote me, in answer to an inquiry, that in the future every animal leaving his yard for breeding purposes will carry with it a certificate showing that it had been tested by tuberculin and was free from tuberculosis. He also said that every animal coming on his place will have to have the same kind of certificate. I do not want to see every farmer in Iowa take the same lesson, but I do hope they will profit by this gentleman's experience.

There is still another side to this question that touches every farm and dairy man. Iowa is fast becoming the greatest dairy state in the union. I find in the tenth annual report of the state dairy commission, that there were shipped out of the state 80,032,916 pounds of butter, an increase in one year of 13,535,898 pounds, and 626,632 pounds of cheese. This only represents a certain per cent of the product manufactured, neither does it include the raw milk used as food, and buttermilk, skimmed milk, etc. But you have some idea of the immensity of the dairy interest from these figures. Now we must have for this product an increasing and steady market; one that is efficient. The secretary of agriculture recognizes this fact, and at once, upon taking office, proceeded to introduce American butter into the Liverpool and other English markets. These markets have been mainly supplied by the dairy interests of northern Europe, where tuberculosis exists, as well as here. I believe it is an acknowledged fact that butter made from tuberculous milk will contain the bacilli. This being the case, as long as we export butter containing these germs we cannot expect to excel in the markets of the world.

But stamp out the tuberculosis in Iowa, and then stamp upon every case of butter that goes out of the state "guaranteed free from pathogenic germs." Make the word "Iowa" upon every case stand for "purity" and the demand will soon be so great that the dairy interests of the state will be doubled, and Iowa will at once step to the front as the greatest dairy section in the world. What I have said about tuberculosis from a money standpoint can be applied to hog cholera. Hog cholera is a contagious disease, and consequently can be prevented and finally stamped out, if the proper remedy is applied. You at once ask me for the remedy. This every sanitary and scientific student understands. It can be summed up in one word, "segregation." Every animal, when once infected, should be destroyed. When I say destroyed, I don't mean killed and used as a human or animal food, allowed to lie and rot, or even buried, but *burned*, cremated, disinfected by fire. The township trustees and city and corporation councils as boards of health, led by an intelligent veterinarian, should have charge of all suspicious animals, and not only order their destruction and final cremation, but do it themselves or have an officer delegated for this work.

It is not sufficient to destroy our diseased stock. We must have some means by which we can keep diseased stock out of the state. You can not destroy a stream by damming it up—destroy the source and the stream will dry up—so it is with tuberculosis and other contagious diseases among stock. Destroy the disease at home, and keep outside diseased stock from coming in, and our herds will soon be free from contagious disease. The cattle and hog men tell me this kind of legislation would ruin their business. You will find this argument is used alone by the middle men, the men who buy and ship, and care but little whether the stock handled is healthy or diseased.

But take the farmers and stock raisers who take pride in their business and who are interested in the growth and development of our beautiful state, and I think you will find them, almost to a man, interested in this subject and willing and anxious to do everything possible to stamp out contagious disease, and thereby give protection to the people and property of the state.

Now, gentlemen, the people must be educated along these lines, and when they once understand that quarantine means protection to life and property, they will not only demand that none but healthy animals enter the state, but that all diseased animals in the state shall be destroyed.

Should this be accomplished a wonderful impetus will be given our stock, meat and dairy interest, and Iowa with one bound will leap to the front as the greatest stock and dairy country in the world.

FINANCIAL EXHIBIT.

| NAME. | No. of days service. | Per item. | Expenses. | Total. |
|---------------------|----------------------|------------|------------|------------|
| G. A. Johnson..... | 24 | \$ 120.00 | \$ 55.09 | \$ 175.09 |
| S. H. Kurgery..... | 10 | 50.00 | 20.24 | 80.28 |
| J. W. Griffith..... | 46 | 250.00 | 151.84 | 381.84 |
| E. E. Sayers..... | 9 | 45.00 | 22.56 | 67.56 |
| P. O. Koto..... | 6 | 30.00 | 20.68 | 50.68 |
| J. D. Inger..... | 5 | 25.00 | 10.00 | 35.00 |
| O. E. Stewart..... | 6 | 30.00 | 19.19 | 49.19 |
| S. H. Johnson..... | 74 | 370.00 | 209.04 | 639.04 |
| J. W. Scott..... | 18 | 90.00 | 59.00 | 149.00 |
| Geo. E. Brown..... | 33 | 265.00 | 183.67 | 448.67 |
| J. H. McCleod..... | 12 | 60.00 | 35.01 | 95.01 |
| R. R. Hammond..... | 89 | 445.00 | 345.32 | 790.32 |
| J. I. Gibson..... | 509 | 2,855.00 | 1,914.30 | 4,759.30 |
| Total..... | 921 | \$4,605.00 | \$3,116.68 | \$7,721.68 |

RULES AND REGULATIONS.

OFFICE OF THE IOWA STATE BOARD OF HEALTH,
DES MOINES, January, 19, 1898.

Pursuant to authority vested by chapter 14, title 12, of the code, section 2530, the state veterinary surgeon by and with the approval of the state board of health, and the executive council, does hereby make and establish the following rules and regulations for the prevention and restriction of contagious diseases among domestic animals:

RULE 1. All cattle brought within this state from any county or parish within the United States where pleuro-pneumonia is known to exist, shall be subject to quarantine for a period of not less than sixty days.

RULE 2. No person owning or having the care or custody of any animal affected with glanders or farcy, or which there is reason to believe is affected with said disease, shall lead, drive, or permit such animal to go on or over any public grounds, unenclosed lands, street, road, public highway, lane or alley; or permit it to drink at any public water trough, pail or spring, nor keep such diseased animal in any enclosure in or from which such diseased animal may come in contact with or close proximity to, any animal not affected with such disease.

RULE 3. Whenever notice is given to the trustees of a township or to a local board of health, of animals suspected of being affected with glanders or farcy, said trustees shall immediately require such suspected animals to be isolated and kept separate and apart from all other animals until released by order of the state veterinary surgeon or some person acting by his authority.

RULE 4. An animal must be considered as "suspected" when it has stood in a stable with, or been in contact with an animal known to have the glanders; or if placed in a stable, yard, or other enclosure where a glandered animal has been kept.

RULE 5. Whenever any animal affected with anthrax, glanders or farcy, shall die, or shall be killed, the body of such animal shall be immediately burned, or shall have kerosene poured over it, and buried not less than four feet deep without removal of the hide, or any part of the carcass.

(Reasons for Rule 5.—To prevent the possibility of a recurrence of these diseases from germs existing in the grave which, if not destroyed by some powerful agent, will retain their vitality for a number of years, so as to impart the disease. As they are communicable by inoculation to human beings, great precaution should be used in handling animals affected with this disease.)

RULE 6. No animal diseased with glanders or farcy shall be deemed to have any property value whatever, and no appraisal thereof will be made.

(Reason for Rule 6.—Glanders is an incurable disease, and there is no warrant for expending public money in appraising property manifestly worthless, and which can be compensated for only at "its actual value in its condition when condemned." Also to prevent the introduction of diseased animals into the state, and the inoculation of worthless ones for speculative purposes.)

RULE 7. Whenever the owner, or person having in charge any animal declared by the state veterinary surgeon or other authorized person to have the glanders, shall neglect or refuse to destroy said animal, the premises whereon such animal is kept shall be quarantined until such animal is destroyed and the premises thoroughly disinfected.

QUARANTINE.

RULE 8. The term "quarantine" shall be construed to mean the perfect isolation of all diseased or suspected animals from contact with healthy animals, as well as the exclusion of such healthy animals from the yards, stables, enclosures, or grounds wherever said suspected or diseased animals are, or have been kept.

RULE 9. So-called "piggy" or pregnant sows and rejected cattle found in railway or packing house stockyards must not be sold or delivered to farmers, but held subject to such quarantine as may be deemed necessary to prevent the communication of any contagious disease.

RULE 10. All hogs presented for exhibition at the Iowa State fair and Sioux City fair shall be subject to examination by the state veterinary surgeon before entering the fair grounds, and to daily inspection during the exhibition. Should any animal be found diseased with hog cholera or swine plague, it must be immediately removed to a place of quarantine. The showpens must be cleansed and disinfected under the supervision of the state veterinary surgeon before and during the fair.

RULE 11. In suspected cases of glanders and farcy, when the symptoms do not warrant the state veterinarian in condemning the animal, the mallein test shall be recognized as a valuable diagnostic.

RULE 12. In suspected cases of bovine tuberculosis the tuberculin test shall be recognized as a valuable diagnostic.

DISINFECTION.

Among the most efficient and convenient agents for destroying disease germs are heat, solutions of creolin, carbolic acid, sulphate of iron, caustic

soda, or sulphate of copper, fumes of chlorine, chloride of lime, slaked lime, lime water, whitewash and kerosene oil.

Heat.—This is conveniently applied by means of boiling water or oil, and is especially recommended for disinfecting fabrics of all kinds, leather or wood. Articles of iron or other metals may be purified by heating in a fire. All bedding, litter, excrement, etc., that have accumulated about animals affected with any form of contagious disease, and the carcasses, together with all blood or other fluid elements that have escaped from such carcasses and contaminated soil should be burned, as surest means of eradicating the disease.

Dirt or earth floors of stables wherein animals affected with glanders or anthrax have been kept, should be removed to the depth of four inches, and burned.

SOLUTIONS.

Creolin.—One to fifty or one hundred parts.

Carbolic acid.—Add one part of the acid to five or ten parts of water or oil.

Sulphate of iron, copper and caustic soda.—Add as much of the substance to a given quantity of warm water as will be dissolved.

Whitewash.—For disinfecting interior walls of buildings, feed boxes, mangers, yards, fences, etc., the application of a coating of whitewash prepared from lime in the ordinary way, so thoroughly done as to completely cover every part of the surface designed to be cleansed, is an economical method.

FUMIGANTS.

Chloride of lime.—Chloride of lime and slacked lime for disinfecting floors, yards, carcasses and ground where dead or diseased animals have lain, in fine powder, shall be scattered over the surface of objects to be disinfected thickly, so as to form a complete covering.

Chlorine.—To generate, take peroxide of manganese (to be obtained at any drug store), place in an earthen dish and add one pound of hydrochloric acid (sometimes called muriatic acid) to each four ounces of the peroxide of manganese. Care should be taken not to inhale the gas.

After the floors, walls, etc., of a contaminated building have been cleansed, they should be fumigated by some of the foregoing agents. The doors should be closed and the building otherwise made as tight as possible. Fumes should then be evolved in the building for not less than half a day, and the doors kept closed not less than twenty-four hours, when air and sunlight should be freely admitted.

BURIALS.

Kerosene oil.—Carcasses buried in the earth where there is danger of infection by exhumation by other animals should, previous to burial, be thoroughly covered with quick-lime, or saturated with kerosene oil. This will tend to destroy the virus, and will prevent carnivorous animals disturbing the carcass and thereby spreading the disease.

Freezing.—It has been demonstrated repeatedly in Iowa, that the frosts of winter thoroughly disinfest pasture lands that have been poisoned with the virus of Texas fever by herds of southern cattle during the summer

months. From the first of April to the first of November the virus is likely to retain its vitality, and the strictest precaution is necessary to prevent communication of the disease to northern cattle. The purifying effect of frost, however, cannot be relied upon for destroying the virus of any other disease than Texas fever, liable to attack live stock in Iowa.

It is for the interest of every community, on the appearance of contagious or infectious disease among animals, to adopt speedy measures to eradicate the same, and to co-operate with the state veterinary surgeon in securing such result in the shortest time possible.

J. I. GIBSON,
State Veterinary Surgeon.

Approved January 19, 1898.

J. F. KENNEDY,
Secretary State Board of Health.

J. I. GIBSON,
President State Board of Health.

L. M. SHAW,
G. L. DOBSON,
C. G. MCCARTHY,
JOHN HERRIOTT,
Executive Council.

THE STATUTES.

CHAPTER 14, TITLE 12, CODE.

OF THE STATE VETERINARY SURGEON.

SECTION 2529. The state veterinary surgeon shall be appointed by the governor, subject to removal by him for cause, who shall hold office for three years. He shall be a graduate of some regularly established veterinary college, skilled in that science, and shall be by virtue of his office a member of the state board of health.

SEC. 2530. He shall have supervision of all contagious and infectious diseases among domestic animals in, or being driven or transported through, the state, and is empowered to establish quarantine against animals thus diseased or that have been exposed to others thus diseased, whether within or without the state, and with the concurrence of the state board of health may make such rules and regulations as he may regard necessary for the prevention and suppression, and against the spread of said disease or diseases, which rules and regulations, the executive council concurring, shall be published and enforced, and in the performance of his duties he may call for the assistance of any peace officer.

SEC. 2531. Any person who wilfully hinders, obstructs or resists said veterinary surgeon, his assistants, or any peace officer acting under him or them, when engaged in the duties or exercising the powers herein conferred, or violates any quarantine established by him or them, shall be guilty of a misdemeanor.

SEC. 2532. Said surgeon shall biennially make a full and detailed report of his doings since his last report to the governor, including his compensa-

tion and expenses, which report shall not exceed 150 pages of printed matter.

SEC. 2533. Whenever a majority of any board of supervisors or township trustees, or any city or town council, whether in session or not, shall in writing notify the governor of the prevalence of, or probable danger from, any of said diseases, he shall notify the veterinary surgeon, who shall at once repair to the place designated in said notice and take such action as the exigencies may demand, and the governor may, in case of emergency, appoint a substitute or assistants with like qualifications and with equal powers and compensation.

SEC. 2534. Whenever in the opinion of the state veterinary surgeon the public safety demands the destruction of any stock, the same may be destroyed upon the written order of such surgeon, with the consent of the owner, or upon approval of the governor, and by virtue of such order such surgeon, his deputy or assistant, or any peace officer may destroy such diseased stock, and the owner thereof shall be entitled to receive its actual value in its condition when condemned, to be ascertained and fixed by the state veterinary surgeon and the nearest justice of the peace, who, if unable to agree, shall call upon the nearest, or other justice of the peace upon whom they agree as umpire, and their judgment shall be final when the value of the stock, if not diseased, would not exceed \$25; but in all other cases either party shall have the right of appeal to the district court, but such appeal shall not delay the destruction of the diseased animals. The veterinary surgeon shall at once file with the governor his written report thereof, who shall, if found correct, endorse his finding thereon, whereupon the auditor of state shall issue his warrant therefor upon the treasurer of state, who shall pay the same out of any moneys at his disposal under the provisions of this act, but no compensation shall be allowed for stock destroyed while in transit through or across the state, and the word "stock" as herein used, shall be held to mean cattle, horses, mules and asses.

SEC. 2535. The governor, with the veterinary surgeon, may co-operate with the government of the United States for the objects of this chapter, and the governor may accept and receipt for any moneys receivable by the state under the provisions of any act of congress which may at any time be in force upon this subject and pay the same into the state treasury, to be used according to the act of congress and the provisions of this chapter as nearly as may be.

SEC. 2536. There is annually appropriated out of any moneys, not other wise appropriated, the sum of \$3,000 or so much thereof as may be necessary for the uses and purposes herein set forth.

SEC. 2537. Any person, except the veterinary surgeon, called upon under the provisions of this chapter, shall be allowed and receive \$2 per day while actually employed.

SEC. 2538. When engaged in the discharge of his duties the veterinary surgeon shall receive the sum of \$5 per day and his actual expenses, the claim therefor to be itemized, verified, accompanied with written vouchers and filed with the state auditor, who shall allow the same and draw his warrant upon the treasury therefor.

CHAPTER II, TITLE 24, CODE.

DISEASED ANIMALS.

SECTION 5012. If the owner of sheep, or any person having the same in charge, knowingly import or drive into this state sheep having any contagious disease; or knowingly turn out or suffer any sheep having any contagious disease to run at large upon any common, road, or unenclosed lands; or sell or dispose of any sheep, knowing the same to be so diseased, he shall be fined in any sum not less than fifty nor more than one hundred dollars.

SEC. 5013. If any person knowingly import or bring within the state, any horse, mule, or ass, affected by the diseases known as nasal gleet, glanders, or button-farcy, or suffer the same to run at large upon any common, road or unenclosed land, or use or tie the same in any public place, or off his own premises, or sell, trade, or offer for sale or trade any such horse, mule or ass, knowing the same to be so diseased, he shall be fined not less than fifty nor more than one hundred dollars, or be imprisoned not to exceed one year in the county jail, or both.

SEC. 5014. If any horse, mule, or ass, reasonably supposed to be diseased with nasal gleet, glanders, or button-farcy, be found running at large without any known owner, it shall be lawful for the finder thereof to take such horse, mule, or ass, so found, before some justice of the peace, who shall forthwith cause the same to be examined by some veterinary surgeon, or other person skilled in such diseases, and if, on examination, it is ascertained to be so diseased, it shall be lawful for such justice of the peace to order such diseased animal to be immediately destroyed and buried; and the necessary expense accruing under the provisions of this section shall be defrayed out of the county treasury.

SEC. 5015. The owner or person having charge of any swine, any of which die or are killed on account of any disease, shall, upon such fact coming to his knowledge, immediately burn the same.

SEC. 5016. No person shall sell or give away or offer for sale any swine that have died of any disease, or that have been killed on account of any disease.

SEC. 5017. No person shall convey upon or along any public highway or other public ground, or any private land except that owned or leased by him, any diseased swine, or swine that have died of, or have been killed on account of any disease. Upon the trial for the violations of the provisions of this section, the proof that any person has hauled, or is hauling dead swine from a neighborhood in which swine have been dying, or are at the time dying, from any disease, shall be presumptive evidence of his guilt.

SEC. 5018. It shall be unlawful for any person negligently or wilfully to allow his hogs or those under his control infected with any disease, to escape his control or run at large.

SEC. 5019. Any person violating or failing to comply with any provision of the four preceding sections shall be fined not less than \$5 nor more than \$100, or be imprisoned in the county jail not to exceed thirty days or both.

SEC. 5020. Any person driving any cattle into this state, or any agent, servant, employe of any railroad or other corporation, who shall carry, transport or ship any cattle into this state, or any railroad company or other corporation, or person who shall carry, ship or deliver any cattle into this state, or the owner, controller, lessee, or agent, or employe of any stockyard, receiving into such stockyard, or in any other enclosure, for the detention of cattle in transit or shipment, or reshipment, or sale, any cattle brought or shipped in any manner into this state, which at the time they were either driven, brought, shipped or transported into this state, were in such condition as to infect with or to communicate to other cattle pleuro-pneumonia, or splenic, or Texas fever, shall be fined not less than \$300 and not more than \$1,000, or be imprisoned in the county jail not exceeding six months, or both.

SEC. 5021. Any person who shall be injured or damaged by any acts prohibited in the preceding section, in addition to the remedy therein provided, may recover the actual damages sustained by him, from the person, agent, employe or corporation therein mentioned, and neither said criminal proceeding nor said civil action shall be a bar to a conviction or to a recovery in the other.

SEC. 2343. The board of supervisors of any county, when notified in writing by five or more sheep owners of such county that sheep diseased with scab or any other malignant, contagious disease, exist in such county, shall, at any regular or special meeting, appoint a suitable person as county sheep inspector, who shall take the oath of office, whose duties shall be as hereinafter prescribed, and whose term of office shall be for two years, and until his successor is appointed and qualified.

SEC. 2344. It shall be the duty of the sheep inspector upon the complaint of three or more sheep owners that any sheep within his jurisdiction have the scab or any other malignant, contagious disease, to immediately inspect and report in writing the result of his inspection to the county auditor, to be filed by him for reference by the board of supervisors or any party concerned. And if he deem it necessary in order to prevent the spread of the disease to the sheep of the other owners, he shall command the owner or agent to dip or otherwise treat such diseased sheep, and shall inspect such diseased sheep every month thereafter until such disease shall be eradicated.

SEC. 2345. It shall be the duty of the sheep inspector to dip or otherwise treat such diseased sheep, should the owner or agent refuse to do so, and all costs, expenses and charges, together with a per diem of \$3 per day shall be charged against the owner of such sheep, and shall be a lien thereon, and may be recovered in an action.

SEC. 2346. Such compensation for the inspector shall be \$3 per day, and shall be paid by the owner of the sheep, or his agent, if the disease is found to exist. In case no disease is found to exist the complainants shall pay such fee.

SEC. 2347. Upon the arrival of any flock of sheep within the state from a distance of more than twenty miles outside the boundaries of the state, the owner or agent shall notify the inspector of the county in which such sheep are being held, and he shall inspect the flock at the expense of the owner or agent; and if the sheep are found sound shall furnish the owner

or agent a certificate which shall be a passport to any part of the state; but sheep in transport on board of railroad cars, or passing through the state on such cars, shall not come within the provisions of this section. Any violation of, or failure to comply with the provisions of this and the four preceding sections by the owner of any sheep, shall subject him to a forfeiture of not to exceed \$100, which shall be a lien on such sheep, and shall be recovered in an action by the county attorney in the name and for the use of the county.

SEC. 4979. If any person throw, or cause to be thrown, any dead animal into any river, well, spring, cistern, reservoir, stream or pond, he shall be punished by imprisonment in the county jail not less than ten nor more than thirty days, or by fine not less than \$5 nor more than \$100.

SEC. 4982. If any person knowingly sell any kind of diseased, corrupted, or unwholesome provisions, whether for meat or drink, without making the same fully known to the buyer, he shall be imprisoned in the county jail not more than thirty days, or by fine not exceeding \$100.

The flesh of pregnant animals must not be sold nor used for human food after the seventh month of pregnancy for cows, and the tenth week for sows.—Regulations of the State Board of Health.