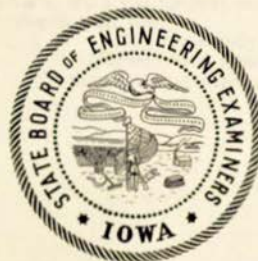


State of Iowa
1923

Annual Report of the
State Board of Engineering
Examiners

For the Year Ending June 30, 1923



State of Iowa
1923

Annual Report of the

State Board of Engineering Examiners

For the Year Ending June 30, 1923



STATE BOARD OF ENGINEERING EXAMINERS
DES MOINES, IOWA

LETTER OF TRANSMITTAL

DES MOINES, IOWA, JULY 1, 1923.

To His EXCELLENCY, HON. N. E. KENDALL,
Governor of Iowa,
Des Moines, Iowa.

SIR: I have the honor to transmit herewith the annual report of the State Board of Engineering Examiners, in accordance with Chapter 392, Senate File No. 186, Acts of the Thirty-eighth General Assembly.

The Board wishes to thank you for your continued co-operation and assistance during the past year.

Very respectfully,
(Signed) SETH DEAN, *Chairman,*
State Board of Engineering Examiners.

STATE BOARD OF EXAMINERS FOR PROFESSIONAL
ENGINEERS AND LAND SURVEYORS

JULY 1, 1919—JULY 1, 1923

- SETH DEAN, Glenwood, Iowa,
Drainage and Land Surveying.
- F. W. STUBBS, Oelwein, Iowa,
Electrical Engineering.
- K. C. KASTBERG, Des Moines, Iowa,
Municipal Engineering.
- L. M. MARTIN, Atlantic, Iowa,
Highway and Railway Engineering.
- ALVIN LE VAN, Des Moines, Iowa,
Structural Engineering.

BOARD FROM JULY 1, 1923

- SETH DEAN, Glenwood, Iowa..... Chairman
Drainage and Land Surveying.
Commission expires July 1, 1927.
- L. M. MARTIN, Atlantic, Iowa.....
Vice-Chairman, and Representative to National Council
Highway and Railway Engineering.
Commission expires July 1, 1927.
- B. P. FLEMING, Iowa City, Iowa,
Electrical and Mechanical Engineering.
Commission expires July 1, 1927.
- C. S. NICHOLS, Ames, Iowa,
Municipal and Sanitary Engineering.
Commission expires July 1, 1927.
- ALVIN LE VAN, (removed from state)
Structural Engineering.
- R. E. JOHNSON, Des Moines, Iowa..... Secretary
- W. C. MERCKENS, Des Moines, Iowa..... Assistant Secretary

REPORT OF BOARD OF ENGINEERING EXAMINERS

The Act regulating the practice of Professional Engineering and Land Surveying in Iowa became effective July 4, 1919; and the Board of Registration met and organized for business at Des Moines, July 14, 1919.

During the period from that date to June 30, 1923, there were fifty meetings held. Under the law, parties in actual practice of their profession had one year in which to apply for registration, without examination. Under this provision of the law, registration was granted to 1,042 engineers. We have examined and granted registration to 1,259. There are at present 1,255 registered professional engineers, and 1,023 professional land surveyors. A complete list will follow in this report.

The total receipts in cash for this period have been \$31,838.88. The disbursements have been \$19,090.52.

We have granted certificates for reciprocal registration to the following parties:

- 431 C. V. Downing, Cedartown, Georgia.
1000 W. P. Nemmers, Des Moines, Iowa.
1005 W. G. Fazio, Jackson, Michigan.
1033 J. R. Yates, Carlshad, New Mexico.
1065 I. F. Stern, Chicago, Illinois.
1066 H. H. Brunner (deceased).
1068 R. A. Gibson, Hobart, Indiana.
1069 J. A. Scanlon, Evanston, Illinois.
1086 O. W. Latimer, Cedar Rapids, Iowa.
1107 I. H. Falcide, Oak Park, Illinois.
1119 H. M. Anthony, Muncie, Indiana.
1121 Dabney H. Maury, Chicago, Illinois.
1137 A. J. Wills, Minneapolis, Minnesota.
1210 F. A. Lindberg, Chicago, Illinois.
1214 W. L. Stebbings, Chicago, Illinois.

REGISTRATION OF ENGINEERS

(Chapter 392, Senate File No. 186, Acts of the Thirty-eighth General Assembly; Section 6, as amended by the Fortieth General Assembly.)

SECTION 1. *Permit to practice engineering required.* No person shall practice professional engineering or land surveying in the state except he be a registered professional engineer or a registered land surveyor as provided by this chapter.

SEC. 2. *Compensation paid by warrant.* Warrants for the payment of expenses and compensations provided by this chapter shall be issued by the auditor of state and paid by the state treasurer upon presentation of vouchers regularly drawn by the chairman and secretary of the board and passed by the state board of audit, but at no time shall the total amount of warrants exceed the total amount of the examination and registration fees collected as herein provided.

SEC. 3. *Terms defined.* a The "board" means the Iowa state board of engineering examiners provided by this chapter.

b "Professional engineering" means the practice of any branch of the profession of engineering other than military engineering. The practice of said profession embraces the design and the supervision of the construction

of public and private utilities, such as railroads, bridges, canals, harbors, river improvements, lighthouses, wet docks, dry docks, ships, barges, dredges, cranes, floating docks and other floating property, the design and the supervision of the construction of steam engines, turbines, internal combustion engines and other mechanical structures, electrical machinery and apparatus, and of works for the development, transmission or application of power, and the design and the supervision of the construction of municipal works, irrigation works, water supply works, sewerage works, drainage works, industrial works, sanitary works, hydraulic works, structural works and other public and private utilities or works which require for their design or the supervision of their construction such experience and technical knowledge as are required by this chapter. The execution as a contractor of work designed by a professional engineer or the supervision of the construction of such work as a foreman or superintendent for such a contractor or the construction, improving, or extending of private drains or drainage works, private irrigation works, private water supply works, or other works of a private nature shall not be deemed to be the practice of professional engineering within the meaning of this chapter.

c A "professional engineer" means any person who practices professional engineering.

d "Land surveying" is surveying having to do with the boundaries or areas of tracts of land. The surveying of lands for the purpose of subdividing or determining boundary lines where no contest is involved shall not be deemed to be the practice of land surveying within the meaning of this chapter.

e A "land surveyor" is any person who makes land surveys.

Sec. 4. *Board of engineering examiners.* There is hereby created a state board of engineering examiners of five members who shall be appointed by the governor within sixty days after the passage of this chapter. No two members of said board shall be from the same branch of the profession of engineering. Two members of the board first appointed shall hold office for two years and three for four years, said terms of office terminating on the first day of July. Upon the expiration of each of such terms, the term of office of each member thereafter appointed shall be four years and shall terminate on the first day of July. Each member shall hold over after the expiration of his term until his successor shall be duly appointed and qualified. The governor may remove any member of the board for misconduct, incapacity or neglect of duty. Vacancies in the membership of the board caused by death, resignation or removal from office shall be filled by appointment by the governor for the unexpired term. Each member of the board shall be a professional engineer at least thirty-five years of age and shall have been a resident of this state for at least three years immediately preceding his appointment. He shall have had at least ten years of active practice preceding his appointment, and during that time shall have had charge of engineering work as principal or assistant for at least two years. He shall be a member in good standing of a recognized state or national engineering society. Each member of the board, except as provided in the next section, shall be registered as a professional engineer under this chapter. Each member of the board shall receive as compensation the sum of ten dollars per day for the time actually spent in traveling to and from, and in attending sessions of the board and its committees, and shall receive all necessary traveling and incidental expenses incurred in carrying out the provisions of this chapter.

Sec. 5. *Attorney general to assist.* Each member of the board shall receive a certificate of appointment from the governor. Before beginning his term of office each member of the board shall file with the secretary of state the constitutional oath of office. Each member of the board first created shall receive a certificate of registration under this chapter from said board. The board, or any committee thereof, shall be entitled to the counsel and to the services of the attorney general, shall have power to compel the attendance of witnesses, and may take testimonies and proofs, and may administer oaths concerning all matters within its jurisdiction. The board shall adopt and

have an official seal which shall be affixed to all certificates of registration granted and may make all by-laws and rules, not inconsistent with law, needed in performing its duty.

Sec. 6. *Organization of board.* The board shall elect annually from its members a chairman and a vice chairman. The secretary of the executive council shall be ex officio secretary of the board and he may designate one of his assistants or employees of the office to perform the services. The person so designated and all expenses incurred in connection with the duties of the secretary shall be paid from the funds raised under the provisions of this chapter. The secretary shall keep on file a record of all certificates of registration granted, and shall make annually such revisions of said record as may be necessary. In revising said record, the secretary shall communicate annually by mail with every professional engineer registered hereunder. In every case in which a reply is not received within thirty days after the date of the first letter, the secretary shall send a second letter by registered mail. The certificate of registration of any professional engineer who shall not reply within sixty days from the date of said second letter shall be considered to have been revoked by such failure to reply, but may be reinstated at any time upon due application therefor and the payment of the registration fee of ten dollars, as hereinafter provided. The secretary shall receive and account for all fees derived from the operation of this chapter and shall pay them to the state treasurer who shall keep such moneys in a separate fund, to be known as the fund of the board of engineering examiners, which shall be continued from year to year to be drawn against only for the expenses and compensations of the board provided by this chapter. On or before the thirtieth day of June in each year the board shall submit to the governor a written report of its transactions for the preceding year, and shall file with the secretary of state a copy of said report, together with a complete statement of the receipts and expenditures of the board, attested by the affidavits of the chairman and the secretary, and a complete list of those registered under this chapter, with their addresses and the dates of their certificates of registration. Said report shall be printed by the state and a copy mailed to, and placed on file by both the clerk of each incorporated city or town in the state, and the auditor of each county in the state. The board shall hold at least one stated meeting on the first Tuesday in December of each year and special meetings shall be called at other times by the secretary at the request of the chairman or of three members of the board. At any meeting of the board three members shall constitute a quorum.

Sec. 7. *Examination fees.* The board shall admit to examination any candidate who pays a fee of fifteen dollars and who under oath submits evidence prescribed by the board that he

a Is more than twenty-five years of age,

b Is of good character, and

c Has been engaged in the practice of professional engineering or land surveying for at least six years and during that period has had charge as assistant, for at least one year. Each year of work satisfactorily completed at an engineering school of recognized standing shall count as one year of practice in fulfilling the six-year requirement of this section.

Sec. 8. *Report required.* Examinations for registration shall be given at stated or called meetings of the board. The scope of the examinations and the methods of procedure shall be prescribed by the board. As soon as practicable, after the close of each examination, a report shall be filed in the office of the secretary of the board by the members conducting such examinations. Said report shall show the action of the board upon each application, whereupon the secretary of the board shall notify each applicant of the result of his examination.

Sec. 9. *Certificate of registration.* To any applicant, who shall have passed the examination as a professional engineer, and who shall have paid an additional fee of ten dollars, the board shall issue a certificate of registration as a professional engineer, signed by the chairman and the secretary of the board under the seal of the board, whereupon such applicant shall be authorized to

practice professional engineering as defined by this chapter. To any applicant, who shall have passed the examination as a land surveyor, and who shall have paid an additional fee of ten dollars, the board shall issue a certificate of registration, signed by the chairman and the secretary of the board under the seal of the board, whereupon such applicant shall be authorized to practice land surveying as defined by this chapter, and to administer oaths to his assistants or to witnesses produced for examination of facts connected with land surveys. A certificate of registration as a professional engineer shall not carry with it the right to practice land surveying unless it is specifically permitted by said certificate, which permission shall be granted by the board without additional fee in the case of any applicant duly qualified as prescribed by the rules of the board. The board shall provide each candidate who has successfully qualified for registration, a suitable seal with which he shall stamp all plans, specifications and reports issued by him.

SEC. 10. *Qualifications required.* At any time within six months after July fourth, nineteen hundred nineteen, upon due application therefor and the payment of a fee of twenty-five dollars, the board shall issue a certificate of registration as provided by the preceding section hereof to any person who under oath submits evidence prescribed by the board that he

a Is more than twenty-five years of age,

b Is of good character, and

c Has been engaged in the practice of professional engineering or land surveying for at least two years preceding July fourth, nineteen hundred nineteen, or is a graduate of some recognized school of engineering. After January fourth, nineteen hundred twenty, the board shall issue certificates of registration only as provided in the preceding and following sections.

SEC. 11. *Requirements in other states considered.* The board shall from time to time examine the requirements for registration of professional engineers and land surveyors in other states, territories and countries, and shall record those in which in the judgment of the board standards not lower than those provided by this chapter are maintained. The secretary of the board upon presentation to him of satisfactory evidence by any person, that he holds a certificate of registration issued to him by proper authority in any state, territory or country so recorded, and upon the receipt of a fee of ten dollars, shall issue to such person a certificate of registration to practice professional engineering or land surveying as provided by this chapter, signed by the chairman and the secretary under the seal of the board, whereupon the person to whom such certificate is issued shall be entitled to all the rights and privileges conferred by the certificate issued after examination by the board.

SEC. 12. *Revocation of certificate.* The board shall have the power by a four-fifths vote of the entire board to revoke the certificate of any professional engineer or land surveyor registered hereunder, found guilty of any fraud or deceit in his practice, or guilty of any fraud or deceit in obtaining his certificate, or in case he is found by the same vote to be incompetent. Proceedings for the revocation of a certificate of registration shall be begun by filing with the secretary of the board written charges against the accused. The board shall designate a time and place for a hearing, and shall notify the accused of this action and furnish him a copy of all charges at least thirty days prior to the date of the hearing. The accused shall have the right to appear personally or by counsel, to cross-examine witnesses or to produce witnesses in his defense.

SEC. 13. *Certificate presumptive evidence.* An unrevoked certificate of registration, made as provided in this chapter, shall be presumptive evidence in all courts and places that the person named therein is legally registered.

SEC. 14. *Fraud in securing certificate punished.* Any person who, after July fourth, nineteen hundred twenty, is not legally authorized to practice in this state according to the provisions of this chapter and shall practice, or shall in connection with his name use any resignation tending to imply or designate him as a registered practitioner within the meaning of this chapter, and any person presenting or attempting to file as his own the certificate of

registration of another, or who shall give false or forged evidence of any kind to the board, or to any member thereof, in obtaining a certificate of registration, or who shall falsely impersonate another practitioner of like or different name, or who shall use or attempt to use a revoked certificate of registration shall be deemed guilty of a misdemeanor and shall for each offense of which he is convicted be punished by a fine of not less than one hundred dollars, nor more than five hundred dollars, or by imprisonment for three months, or by both such fine and imprisonment.

SEC. 15. *To whom not applicable.* This chapter shall not apply to any full-time employee of any corporation while doing work for that corporation, except in the case of corporations offering their services to the public as professional engineers or land surveyors. Corporations engaged in designing and building works for public or private interests not their own shall be deemed to practice professional engineering within the meaning of this chapter.

With respect to such corporations all principal designing or constructing engineers shall hold certificates of registration hereunder. This chapter shall not apply to corporations engaged solely in building said work. This chapter shall not apply to contracts existing on the fourth day of July, nineteen hundred nineteen, nor to any professional engineer or land surveyor working for the United States government, nor to any professional engineer or land surveyor employed as an assistant to a professional engineer or land surveyor registered under this chapter, nor to purely operative services in connection with mechanical plants or systems, nor to any professional engineer or land surveyor from without this state until a reasonable length of time as prescribed by the rules of the board shall have elapsed to permit the registration of such a person under this chapter, provided that, before practicing within this state, he shall have applied for the issuance to him of a certificate of registration and shall have paid the fee prescribed in this chapter.

FINANCIAL STATEMENT

Receipts	\$31,838.88
Disbursements:	
Per diem and traveling expense	\$13,491.91
Miscellaneous expense, printing, etc.	5,598.61
	<u>\$19,090.52</u>
Balance	\$12,748.36

LEGAL OPINIONS

Questions have been asked of this board whether it is necessary for city engineers, county highway engineers, or other engineers or land surveyors, practicing in an official capacity to be registered. These matters have been referred to the Attorney General, and the following opinions construing the meaning of the laws have been furnished the board by that officer or his assistants.

Question No. 1. "Is it obligatory on the part of municipalities to employ as such principal engineers or land surveyors, only persons who have been registered under the law?"

Answer filed Dec. 28, 1919. "The duties imposed upon persons holding the office of city engineer are identical in many respects with those characterizing one as a professional engineer. In fact, it was the purpose of the legislature enacting the law in question to standardize the work and elevate the character of city engineers. To now hold that such officials are exempt from the provisions of the act would be to nullify and abort the real purpose of the legislature.

I am, therefore, of the opinion that the exemption referred to in Section 15, Chapter 392, Acts of the Thirty-eighth General Assembly does not apply to municipal or city engineers."

W. R. C. KENDRICK,
Assistant Attorney General.

Question No. 2. "Does Chapter 392, Acts of the Thirty-eighth General Assembly, apply to engineers employed by the State Highway Commission and to county engineers?"

Answer filed Jan. 20, 1922. "Professional engineering" is defined in Section 3 of the act as follows:

"Professional engineering means the practice of any branch of the profession of engineering other than military engineering."

"Therefore, I am of the opinion that Chapter 392, Acts of the Thirty-eighth General Assembly, applies to engineers employed by the Iowa State Highway Commission, as well as to the engineers employed by the respective counties, and such engineers shall register as prescribed by the act. Provided, however, that such engineers who are employed as, and occupy the position of assistants are exempted."

W. R. C. KENDRICK,
Assistant Attorney General.

Question No. 3. "Is it necessary for persons who operate stationary and portable steam engines and other types of motor driven equipment to secure registration by this board?"

Answer filed December 19, 1919. "The only provisions of Iowa law with reference to the question of registration for licensing of operators of stationary and portable steam engines are those conferring upon cities power to enact local ordinances controlling the situation, as regards stationary steam engines, and the state law covering hoisting engineers under the Board of Mining Inspectors."

H. H. CARTER,
Assistant Attorney General.

Question No. 4. "Is it mandatory upon the State Board of Engineering Examiners to permit non-residents of Iowa to make application for a certificate of registration upon equal terms with residents of this state, under Section 10, Chapter 392, Acts of the Thirty-eighth General Assembly?"

Answer filed June 17, 1920. "It will be observed from Section 10, supra, that: Upon due application therefor, and the payment of \$25.00, the board shall issue a certificate of registration * * * to any person who under oath submits evidence prescribed by the board."

"In creating a state board of engineering examiners, and the requiring every person, with certain exceptions, practicing professional engineering or land surveying in Iowa, to be registered, the legislature evidently intended to make the act applicable to both residents and non-residents of the state; for no where in the act is any reference made to non-residents. The language found in section 10, supra, is clear and unambiguous, and it is my opinion that the provisions thereof apply alike to residents and non-residents of Iowa."

W. R. C. KENDRICK,
Assistant Attorney General.



Whose signature appears herein, has complied with the requirements of Chapter Three Hundred, twenty-two, Acts of the Thirty-Eighth General Assembly of the State of Iowa, and proceeding for the examination and registration of Professional Engineers and had his name registered, and he is hereby authorized to practice

WITHIN THE STATE OF IOWA

No. _____
Signed at Des Moines, Iowa.



Fac-Simile of Certificate issued by Iowa State Board of Engineering Examiners

ROSTER OF REGISTERED PROFESSIONAL ENGINEERS

ROSTER—(Continued)

Authorized to practice in the State of Iowa as of July 1, 1923
Key to Abbreviations: P. E., Professional Engineer; L. S., Land Surveyor.

Certificate Number	Name	Address	Branch of Engineering
578	Aardappel, Walter	Jrango City, Iowa	P. E. & L. S.
1077	Abbott, William S.	Union, Iowa	P. E. & L. S.
359	Abram, Lester A.	Des Moines, Iowa	P. E. & L. S.
1039	Acker, Robert L.	New York City	P. E.
1022	Ackerman, George E.	Oak Park, Illinois	P. E. & L. S.
564	Adams, David E.	Clark, Iowa	P. E. & L. S.
958	Adams, Henry Clay	Pittsburgh, Pennsylvania	P. E.
410	Adams, Joseph Q.	Ames, Iowa	P. E. & L. S.
353	Adams, W. Neil	Ames, Iowa	P. E. & L. S.
261	Adelstein, Morris E.	Kadoka, South Dakota	P. E. & L. S.
23	Agg, Thomas R.	Ames, Iowa	P. E.
1213	Albaugh, Carl Benjamin	Ames, Iowa	P. E.
1245	Albright, Henry Eugene	Parkersburg, West Virginia	P. E.
508	Alden, Frederick S.	Cedar Rapids, Iowa	P. E. & L. S.
727	Alexander, Archie	Des Moines, Iowa	P. E. & L. S.
524	Alexander, Philip V.	Suthris Center, Iowa	P. E.
1042	Allen, Andrew	Chicago, Illinois	P. E.
487	Allish, Charles	Decorah, Iowa	P. E.
1036	Alvord, John W.	Chicago, Illinois	P. E.
1168	Ambie, Fred	Minneapolis, Minnesota	P. E.
635	Ames, John H.	Ames, Iowa	P. E. & L. S.
730	Anderberg, Oscar T.	Mason City, Iowa	P. E. & L. S.
314	Anderson, Arthur G.	Urbana, Illinois	P. E. & L. S.
199	Anderson, Benton R.	Clinton, Iowa	P. E. & L. S.
732	Anderson, Clifford W.	Indianapolis, Indiana	P. E.
1007	Anderson, Dwight P.	Exeter, California	P. E. & L. S.
496	Anderson, Eugene	Dubuque, Iowa	P. E. & L. S.
284	Anderson, F. P.	Epporth, Iowa	P. E.
233	Anderson, John L.	Ames, Iowa	P. E. & L. S.
504	Anderson, Roy W.	Red Oak, Iowa	P. E.
754	Anderson, Walter L.	Springfield, Iowa	P. E. & L. S.
1246	Anderson, Wendell D.	Graettinger, Iowa	P. E.
1063	Andrus, Lynn Thorpe	Des Moines, Iowa	P. E.
1119	Anthony, Harvey Mitchell	Muncie, Indiana	P. E.
590	Apple, Charles E.	Sioux City, Iowa	P. E. & L. S.
408	Archer, Elmer T.	Kansas City, Missouri	P. E. & L. S.
1124	Arend, Albert C.	Omaha, Nebraska	P. E.
328	Arnsen, Frank W.	Decorah, Iowa	P. E. & L. S.
1052	Arnold, Ralph	Sioux City, Iowa	P. E. & L. S.
676	Ashton, Thomas J.	Keokuk, Iowa	P. E. & L. S.
121	Austin, Fred H.	Webster City, Iowa	P. E. & L. S.
850	Austin, Roy G.	Webster City, Iowa	P. E. & L. S.
833	Ayres, Harry L.	Keokuk, Iowa	P. E. & L. S.
1106	Ayres, Quincy Claude	Ames, Iowa	P. E. & L. S.
287	Bagg, Louis E.	Des Moines, Iowa	P. E. & L. S.
1026	Bailey, O. D.	Chicago, Illinois	P. E.
259	Bair, Clarence V.	Elkader, Iowa	P. E. & L. S.
476	Bair, Jack E.	Des Moines, Iowa	P. E.
711	Baker, Archie G.	Eldora, Iowa	P. E. & L. S.
511	Baker, I. S.	Lincoln, Nebraska	P. E. & L. S.
110	Baldwin, Robert Lee	Kansas City, Missouri	P. E. & L. S.
1023	Hall, L. H.	Chicago, Illinois	P. E. & L. S.
492	Bannon, Michel E.	Tacoma, Washington	P. E.
728	Barber, Deane H.	Muscatine, Iowa	P. E. & L. S.
285	Barber, Nathan B.	Waterloo, Iowa	P. E. & L. S.
1048	Barbour, Percy B.	New York City	P. E. & L. S.
644	Barber, William E.	Anamosa, Iowa	P. E. & L. S.
1215	Barnard, Paul Foster	Ames, Iowa	P. E.
280	Barrett, Archibald C.	Boulder, Colorado	P. E. & L. S.
1008	Barrett, Guy B.	Millerville, Iowa	P. E. & L. S.
1144	Bartlett, Albert Raymond	Grundy Center, Iowa	P. E. & L. S.
712	Bartholomew, Harold C.	Dixon, Illinois	P. E.

Certificate Number	Name	Address	Branch of Engineering
1075	Bartlett, John F.	Chicago, Illinois	P. E. & L. S.
1056	Bartley, John S.	Waterloo, Iowa	P. E.
1122	Bartow, Edward	Iowa City, Iowa	P. E.
367	Bassett, Thomas C.	Cedar Rapids, Iowa	P. E. & L. S.
44	Bates, Herbert R.	Casper, Wyoming	P. E. & L. S.
1143	Batterson, Algy Ross	Carroll, Iowa	P. E.
458	Baum, Henry	Altoona, Pennsylvania	P. E. & L. S.
225	Bastian, Alfred A.	Storm Lake, Iowa	P. E. & L. S.
892	Beach, Wilfred W.	Sioux City, Iowa	P. E.
208	Beard, William P.	Ames, Iowa	P. E. & L. S.
706	Beatty, Floyd A.	Des Moines, Iowa	P. E. & L. S.
1087	Beckman, Arthur G.	Wesley, Iowa	P. E. & L. S.
285	Beckman, Henry C.	Muscatine, Iowa	P. E. & L. S.
1118	Bedell, Archer W.	Faribault, Minnesota	P. E. & L. S.
1169	Behrens, William Henry	Groveland, California	P. E. & L. S.
255	Beiter, Grover C.	Carroll, Iowa	P. E. & L. S.
248	Bemie, Edward W.	Chicago, Illinois	P. E. & L. S.
247	Bemis, Walter S.	Chicago, Illinois	P. E. & L. S.
48	Bemis, William S., Jr.	Des Moines, Iowa	P. E. & L. S.
699	Benson, Arthur W.	Des Moines, Iowa	P. E. & L. S.
768	Benson, Roy A.	Des Moines, Iowa	P. E. & L. S.
1170	Bents, Chester Ross	Chariton, Iowa	P. E.
575	Bernick, Fritz J.	Oskaloosa, Iowa	P. E.
1144	Bernstein, Arthur Irvin	Des Moines, Iowa	P. E.
258	Berry, John W.	Iowa City, Iowa	P. E. & L. S.
854	Berthe, Lucius T.	Charleston, Missouri	P. E.
746	Bessler, William	Sioux City, Iowa	P. E.
335	Bickel, Willis F.	McGregor, Iowa	P. E. & L. S.
215	Bickelhaupt, William V.	Des Moines, Iowa	P. E. & L. S.
749	Bickley, Abner E.	Waterloo, Iowa	P. E.
959	Bishop, Harry J.	Kansas City, Missouri	P. E. & L. S.
461	Biabop, Roy P.	Charlotte, North Carolina	P. E. & L. S.
1075	Bartlett, John F.	Sioux City, Iowa	P. E. & L. S.
1063	Banks, Fred	Kansas City, Missouri	P. E. & L. S.
340	Blair, James R.	Howard, South Dakota	P. E. & L. S.
1028	Bloompot, Henry	Peoria, Illinois	P. E. & L. S.
324	Blye, Marie D.	Des Moines, Iowa	P. E. & L. S.
254	Boman, John Edward	Ames, Iowa	P. E. & L. S.
725	Bhnt, Grover A.	Dubuque, Iowa	P. E. & L. S.
526	Boardman, Frank M.	Nevada, Iowa	P. E.
304	Bock, Carl A.	Dayton, Ohio	P. E. & L. S.
301	Bockemuhl, Clinton	Amarillo, Texas	P. E.
1171	Bodwell, Donald C.	Ames, Iowa	P. E.
1016	Bogardus, R. R.	Mason City, Iowa	P. E. & L. S.
944	Bogart, Albert L.	Minneapolis, Minnesota	P. E. & L. S.
686	Boggs, Lester L.	Fatherville, Iowa	P. E. & L. S.
297	Boian, Wilbur O.	Des Moines, Iowa	P. E.
846	Bolster, Roy Hale	Keokuk, Iowa	P. E. & L. S.
444	Bolta, Jerome J.	Council Bluffs, Iowa	P. E.
128	Bonebrake, J. Wesley	Glenwood, Iowa	P. E. & L. S.
1012	Bonham, Paul	Council Bluffs, Iowa	P. E. & L. S.
795	Bonnell, Joseph E.	Des Moines, Iowa	P. E.
605	Borg, Elmer H.	Des Moines, Iowa	P. E.
794	Borman, Arthur P.	Boone, Iowa	P. E. & L. S.
1172	Boschard, Albert C.	Centerville, Iowa	P. E.
118	Bostwick, Floyd E.	Cedar Rapids, Iowa	P. E. & L. S.
272	Boudinot, Alton R.	Davenport, Iowa	P. E. & L. S.
896	Boudinot, Eugene S.	Webster City, Iowa	P. E. & L. S.
872	Bowditch, Jackson, Jr.	Marion, Iowa	P. E. & L. S.
349	Bowman, James	Ames, Iowa	P. E. & L. S.
349	Bowman, James	Ames, Iowa	P. E. & L. S.
978	Boyer, Earnest	Lawrence, Kansas	P. E. & L. S.
50	Boyn, Frank L.	Shiley, Iowa	P. E. & L. S.
839	Boyle, Ralph E.	Indianola, Iowa	P. E. & L. S.
580	Boyles, Ralph R.	St. Paul, Minnesota	P. E. & L. S.
518	Boyne, John H.	Council Bluffs, Iowa	P. E. & L. S.

ROSTER—(Continued)

Certificate Number	Name	Address	Branch of Engineering
671	Boynton, George H.	Muscatine, Iowa	P. E. & L. S.
1071	Boynton, John H.	Clarion, Iowa	P. E. & L. S.
870	Brady, Clifton J.	Sioux City, Iowa	P. E. & L. S.
728	Brady, John T., Sr.	Ottumwa, Iowa	P. E. & L. S.
939	Brainerd, Oasian E.	Northampton, Mass.	P. E. & L. S.
844	Bramhall, John A.	Des Moines, Iowa	P. E.
804	Brandt, James W.	Cedar Rapids, Iowa	P. E. & L. S.
240	Brandt, John C.	Davenport, Iowa	P. E. & L. S.
330	Braun, Roy E.	Ames, Iowa	P. E. & L. S.
290	Breanan, Cyrus F.	Marshalltown, Iowa	P. E. & L. S.
1216	Bretningsnes, Richard A.	Ottumwa, Iowa	P. E.
295	Brevik, Berry E.	Ann Arbor, Michigan	P. E. & L. S.
1259	Briar, Virgil Raymond	Des Moines, Iowa	P. E.
1088	Briggs, Rollin Pickett	Wassilon, Iowa	P. E.
608	Bristol, Cyrus J.	Des Moines, Iowa	P. E.
51	Bristol, Fred T.	Des Moines, Iowa	P. E. & L. S.
1247	Britton, Byron G.	Kokuk, Iowa	P. E.
81	Broom, Benjamin A.	Sioux City, Iowa	P. E.
739	Brown, Elwyn N.	Belle Plaine, Iowa	P. E. & L. S.
802	Brown, Horace A.	Ottumwa, Iowa	P. E.
64	Brown, LeRoy	Cresco, Iowa	P. E. & L. S.
1145	Brown, Paul Clay	Ottumwa, Iowa	P. E. & L. S.
108	Brown, Victor J.	Ooscola, Iowa	P. E. & L. S.
866	Brown, Walter M.	Dubugue, Iowa	P. E.
762	Brownell, Otto E.	Des Moines, Iowa	P. E.
549	Bruce, John A.	Omaha, Nebraska	P. E. & L. S.
499	Bruat, Arthur H.	Sigourney, Iowa	P. E. & L. S.
88	Bryant, Monroe H.	Fairfield, Iowa	P. E. & L. S.
1146	Buckman, Ivy Claude	Pawhuska, Oklahoma	P. E. & L. S.
23	Budd, John W.	Des Moines, Iowa	P. E. & L. S.
153	Buell, Walter E.	Sioux City, Iowa	P. E. & L. S.
368	Burch, David W.	Allison, Iowa	P. E. & L. S.
1035	Burdick, Chas. Baker	Chicago, Illinois	P. E.
1120	Burnet, George W.	Humboldt, Iowa	P. E. & L. S.
61	Burns, Clinton S.	Kansas City, Missouri	P. E.
789	Burr, Howard B.	Waterloo, Iowa	P. E.
401	Burriss, John A.	Des Moines, Iowa	P. E. & L. S.
846	Burt, John A.	Waterloo, Iowa	P. E.
1248	Burton, William Andrew	Waterloo, Iowa	P. E.
1083	Butcher, Romeo W.	Bucknell, Iowa	P. E. & L. S.
1173	Butter, John Campbell	Cedar Rapids, Iowa	P. E.
92	Cain, Fred L.	Sidney, Iowa	P. E. & L. S.
980	Caldwell, Frank D.	Des Moines, Iowa	P. E. & L. S.
860	Campbell, Allan B.	Des Moines, Iowa	P. E.
382	Campbell, Floyd	Spencer, Iowa	P. E. & L. S.
36	Campbell, Gray R.	Emmetsburg, Iowa	P. E. & L. S.
989	Campbell, Ralph H.	Chicago, Illinois	P. E. & L. S.
43	Canfield, Lloyd A.	Des Moines, Iowa	P. E. & L. S.
821	Capel, E. H.	Sioux City, Iowa	P. E. & L. S.
603	Capper, Charles	Adel, Iowa	P. E. & L. S.
537	Capper, Howard M.	Ames, Iowa	P. E.
1057	Carleton, Wilson	Des Moines, Iowa	P. E.
859	Carlson, Ernest E.	Battle Creek, Iowa	P. E. & L. S.
840	Carr, Elza B.	Des Moines, Iowa	P. E. & L. S.
954	Carr, Hugh M.	Humboldt, Iowa	P. E. & L. S.
1147	Carrithers, Harold D.	Marengo, Iowa	P. E.
478	Cassill, Eugene C.	Des Moines, Iowa	P. E. & L. S.
220	Caughey, Robert A.	Ames, Iowa	P. E. & L. S.
407	Cavender, Fred	Kansas City, Missouri	P. E.
885	Chamberlain, Thomas G.	Iowa City, Iowa	P. E.
825	Chamberlain, Mark O.	Ottumwa, Iowa	P. E. & L. S.
558	Chambers, Frank C.	Des Moines, Iowa	P. E.
219	Chambers, Hugh H.	Hoona, Iowa	P. E. & L. S.
41	Chase, Charles P.	Clinton, Iowa	P. E. & L. S.
932	Chenoweth, Albert A.	Sioux Falls, South Dakota	P. E. & L. S.

ROSTER—(Continued)

Certificate Number	Name	Address	Branch of Engineering
87	Chesbro, Harry G.	Des Moines, Iowa	P. E. & L. S.
553	Christensen, Louis A.	Chicago, Iowa	P. E. & L. S.
142	Christensen, William N.	Des Moines, Iowa	P. E. & L. S.
783	Chubb, Charles E.	Algona, Iowa	P. E. & L. S.
901	Clapper, Lyle	Minneapolis, Minnesota	P. E. & L. S.
948	Clark, George Lyman	Council Bluffs, Iowa	P. E. & L. S.
400	Clark, Harry M.	Adulon, Iowa	P. E. & L. S.
909	Clark, Robert J.	Waterloo, Iowa	P. E.
665	Clausen, Rudolph J.	Davenport, Iowa	P. E.
1174	Clayton, Lloyd E.	Waterloo, Iowa	P. E. & L. S.
355	Claghorn, Mark P.	Ames, Iowa	P. E.
515	Clemens, Adam	Amasa, Iowa	L. S.
1246	Clement, Donald Banks	Washington, D. C.	P. E.
1042	Clement, Harry C.	New York City	P. E. & L. S.
90	Clement, Lester L.	Ames, Iowa	P. E. & L. S.
588	Clemmer, Harold F.	Springfield, Illinois	P. E. & L. S.
890	Cline, Burnell T.	Louisa, Ala., Canada	P. E. & L. S.
559	Clingan, Emer G.	Des Moines, Iowa	P. E. & L. S.
830	Clyde, Ray W.	Ames, Iowa	P. E. & L. S.
1245	Cochran, Robert D.	Alton, Iowa	P. E.
775	Cochran, Harold W.	St. Joseph, Missouri	P. E. & L. S.
322	Coffeen, Alvaro Roy	Decorah, Iowa	P. E. & L. S.
622	Colby, Frank E.	Sioux City, Iowa	P. E. & L. S.
648	Colby, Paul W.	Sioux City, Iowa	P. E.
10115	Collister, H. H.	Jefferson, Iowa	P. E. & L. S.
849	Collins, John	Des Moines, Iowa	P. E.
75	Conklin, Harry M.	Clear Lake, Iowa	P. E. & L. S.
598	Conlee, Glenn L.	Davenport, Iowa	P. E.
136	Conner, Berzard J.	Des Moines, Iowa	P. E. & L. S.
312	Conrad, Harold N.	Des Moines, Iowa	P. E.
415	Cook, Coleman H.	Burlington, Iowa	P. E. & L. S.
858	Cook, Ernest E.	Council Bluffs, Iowa	P. E. & L. S.
974	Cook, Eugene	Inwood, Iowa	P. E. & L. S.
339	Cook, Henry E.	Ottumwa, Iowa	P. E. & L. S.
392	Cook, James N.	Ames, Iowa	P. E. & L. S.
42	Cook, Paul D.	Sioux City, Iowa	P. E.
222	Coof, Claude A.	Waverly, Iowa	P. E. & L. S.
976	Coombes, James L.	Cedar Rapids, Iowa	P. E. & L. S.
292	Cooper, Ross M.	Sioux City, Iowa	P. E.
991	Cooper, Ralph Lowery	Boona, Iowa	P. E. & L. S.
934	Cooper, William C.	Des Moines, Iowa	P. E. & L. S.
82	Corcoran, Harry J.	Des Moines, Iowa	P. E. & L. S.
1103	Cordiner, Robert Park	Pt. Wayne, Indiana	P. E. & L. S.
491	Cordner, William S.	Chicago, Illinois	P. E. & L. S.
1102	Cotttingham, Warden Lee	Chicago, Illinois	P. E. & L. S.
566	Contant, George W.	Sioux City, Iowa	P. E. & L. S.
45	Cox, Lawrence W.	Des Moines, Iowa	P. E. & L. S.
170	Coykendall, Claud C.	St. Albans, California	P. E. & L. S.
880	Craig, Dan S.	Ames, Iowa	P. E. & L. S.
157	Craig, Robert C.	Des Moines, Iowa	P. E. & L. S.
111	Crary, Elisha A.	Grundy Center, Iowa	P. E. & L. S.
681	Crawford, Matthew O.	Belmond, Iowa	P. E.
528	Crawford, William W.	Sioux City, Iowa	P. E. & L. S.
306	Critz, Paul E.	Ames, Iowa	P. E. & L. S.
1088	Craft, LeRoy Wm.	Toledo, Iowa	P. E. & L. S.
1101	Crossman, Ralph Stuart	Urbana, Illinois	P. E. & L. S.
570	Crosthwait, David N., Jr.	Marshalltown, Iowa	P. E. & L. S.
1176	Crowley, Miles Edward	Council Bluffs, Iowa	P. E. & L. S.
227	Crowley, Orville W.	Des Moines, Iowa	P. E. & L. S.
436	Crum, Roy W.	Ames, Iowa	P. E. & L. S.
112	Culbans, James Leo	Des Moines, Iowa	P. E. & L. S.
421	Cullen, Walter H.	Dubuque, Iowa	P. E. & L. S.
421	Cunningham, Albert H.	Storm Lake, Iowa	P. E. & L. S.
490	Cunningham, Andrew O.	St. Louis, Missouri	P. E. & L. S.

ROSTER—(Continued)

Certificate Number	Name	Address	Branch of Engineering
376	Cunningham, Chester W.	Des Moines, Iowa	P. E. & L. S.
924	Currey, Edward Brooks	Sioux City, Iowa	P. E. & L. S.
6	Currie, Clare H.	Webster City, Iowa	P. E. & L. S.
159	Currie, Frank S.	Ames, Iowa	P. E. & L. S.
972	Currie, George E.	Waterloo, Iowa	P. E. & L. S.
1148	Curtis, Donald Deater	Iowa City, Iowa	P. E. & L. S.
201	Curtis, James H.	Medford, Minnesota	P. E. & L. S.
895	Curtis, Thomas H.	Fairmont, Minnesota	P. E. & L. S.
772	Cutler, Simon O.	Troy, New York	P. E. & L. S.
362	Dale, Benjamin C.	Logan, Iowa	P. E.
68	Damerow, Harry W.	Vero, Florida	P. E. & L. S.
961	Damon, Philip E.	Elmora, Minnesota	P. E. & L. S.
991	Danforth, Frank A.	Washington, D. C.	P. E. & L. S.
497	Daniel, Howard L.	Traer, Iowa	P. E. & L. S.
749	Daniel, Wilmer H.	Waterloo, Iowa	P. E.
1176	Danielson, William M.	Yankton, South Dakota	P. E.
784	Davis, Albion	Kookuk, Iowa	P. E. & L. S.
310	Davis, Bernard H.	Iowa City, Iowa	P. E. & L. S.
55	Davis, Frank L.	Centerville, Iowa	P. E. & L. S.
1149	Davis, Harry Kimball	Ames, Iowa	P. E.
1231	Davis, Harvey Addison	Crete, Nebraska	P. E.
1040	Davis, Wm. C.	New York City	P. E.
690	Dawson, James S.	Charles City, Iowa	P. E. & L. S.
1150	Day, Owen Leland	Independence, Iowa	P. E. & L. S.
127	Dean, Henry H.	Council Bluffs, Iowa	P. E. & L. S.
441	Dean, J. George	Nevada, Iowa	P. E. & L. S.
878	Dean, James W. M.	Hamburg, Iowa	P. E. & L. S.
1	Dean, Seth	Glenwood, Iowa	P. E. & L. S.
520	DeButts, Wm. H.	Columbia, Kansas	P. E. & L. S.
357	Decker, Henry H.	Des Moines, Iowa	P. E. & L. S.
606	Deering, Chas. C.	Des Moines, Iowa	P. E.
470	Deering, Frank	Des Moines, W.	P. E. & L. S.
1227	DeLa Hunt, Roland James	Ames, Iowa	P. E.
107	DeLay, Theodore S.	Creston, Iowa	P. E. & L. S.
439	Denman, Burt J.	Davenport, Iowa	P. E.
951	Despard, Frank A.	La Mar, Iowa	P. E. & L. S.
276	DeVoe, Philip K.	Creston, Iowa	P. E. & L. S.
459	DeVoy, Curtis T.	Iowa City, Iowa	P. E. & L. S.
591	Dickinson, Louis E.	Kookuk, Iowa	P. E.
1074	Dickinson, George Logan	Des Moines, Iowa	P. E. & L. S.
189	Dickson, George M.	Forest City, Iowa	P. E. & L. S.
636	Diel, E. R.	Ames, Iowa	P. E. & L. S.
928	Disrens, Frederick L.	Cedar Rapids, Iowa	P. E. & L. S.
765	Dobson, George D.	Des Moines, Iowa	P. E. & L. S.
100	Dodds, John S.	Ames, Iowa	P. E. & L. S.
810	Dodge, Byard Almon	Webster City, Iowa	P. E. & L. S.
609	Dohn, Joseph M.	Cleveland, Ohio	P. E. & L. S.
1177	Dolph, George Logan	Aledo, Iowa	P. E. & L. S.
1261	Douglase, Winfred H.	Ames, Iowa	P. E. & L. S.
1090	Douthett, Claude Lacy	Waterloo, Iowa	P. E. & L. S.
668	Dow, Fred C.	Cedar Rapids, Iowa	P. E. & L. S.
181	Dows, Sutherland C.	Cedar Rapids, Iowa	P. E. & L. S.
180	Dows, William G.	Cedar Rapids, Iowa	P. E.
550	Downie, Myron E.	Joliet, Illinois	P. E. & L. S.
631	Downing, Clyde V.	Cedartown, Georgia	P. E. & L. S.
920	Downs, John H.	Creston, Iowa	P. E.
91	Drabell, John M.	Cedar Rapids, Iowa	P. E.
785	Drain, Harry E.	Des Moines, Iowa	P. E.
468	Drake, Robert Z.	Omaha, Nebraska	P. E. & L. S.
245	Drasda, Frank A.	Loyola, Iowa	P. E. & L. S.
971	Drugar, John Penimore	St. Paul, Minnesota	P. E. & L. S.
98	Drur, John T.	Glendale, California	P. E. & L. S.
1076	Duerr, Raymond	Burlington, Iowa	P. E. & L. S.
18	Dunlap, John H.	New York City	P. E. & L. S.
396	Dunn, Everett W.	Sioux City, Iowa	P. E. & L. S.

ROSTER—(Continued)

Certificate Number	Name	Address	Branch of Engineering
80	Earle, Roscoe K.	Davenport, Iowa	P. E. & L. S.
695	Earley, John W.	Kossauqua, Iowa	P. E. & L. S.
641	Ebeling, Arthur H.	Davenport, Iowa	P. E.
63	Eby, Charles W.	Waterloo, Iowa	P. E. & L. S.
1008	Eckles, Walter Anshel	Nora Springs, Iowa	P. E. & L. S.
133	Egerton, Henry H.	Oelwein, Iowa	P. E. & L. S.
1013	Ehrhart, Clyde L.	Boone, Iowa	P. E. & L. S.
957	Elder, Donald C.	Marshalltown, Iowa	P. E.
1050	Eliot, Walter G.	New York City	P. E. & L. S.
32	Elliott, George H.	Charles City, Iowa	P. E. & L. S.
791	Englar, D. Sterling	Des Moines, Iowa	P. E. & L. S.
235	Erickson, David L.	Lincoln, Nebraska	P. E. & L. S.
726	Ernst, William P.	Des Moines, Iowa	P. E. & L. S.
652	Etnyre, Samuel L.	Council Bluffs, Iowa	P. E. & L. S.
1250	Everts, William H.	Ames, Iowa	P. E.
1151	Everett, Marshall Chas.	Harilton, Iowa	P. E.
597	Evinger, Morris I.	Lincoln, Nebraska	P. E. & L. S.
266	Ewen, Cecil E.	Milford, Iowa	P. E. & L. S.
391	Ewing, Vere	Des Moines, Iowa	P. E. & L. S.
1151	Eyre, James R.	Iowa City, Iowa	P. E. & L. S.
168	Faber, Daniel C.	Ames, Iowa	P. E.
437	Fabey, George E.	Burbank, California	P. E. & L. S.
311	Fabey, John J.	Compton, California	P. E. & L. S.
215	Fabey, William L.	Spencer, Iowa	P. E. & L. S.
279	Fairbanks, Steward J.	Waterloo, Iowa	P. E. & L. S.
254	Fairchild, Robert V.	Onawa, Iowa	P. E. & L. S.
1107	Falcide, Isaac	Oak Park, Illinois	P. E. & L. S.
1005	Fargo, William G.	Jackson, Michigan	P. E.
229	Farquharson, Thomas S.	Winterset, Iowa	P. E. & L. S.
1178	Faul, Alfred Frank	Ames, Iowa	P. E.
447	Ferguson, Elmer Leroy	Ferguson, Iowa	P. E. & L. S.
124	Ferrell, Raymond W.	Corlicana, Texas	P. E. & L. S.
33	Fessenden, Ralph S.	Onawa, Iowa	P. E. & L. S.
12	Fischer, Albert F.	Iowa City, Iowa	P. E.
14	Fish, Fred Allen	Ames, Iowa	P. E. & L. S.
365	Fisher, Herbert B.	Denison, Iowa	P. E. & L. S.
331	Fisher, Charles M.	Ames, Iowa	P. E. & L. S.
815	Fisk, John Meeker	Iowa City, Iowa	P. E. & L. S.
611	Fitzpatrick, Thomas J.	Rehoboth, Nebraska	P. E. & L. S.
903	Fixen, Victor L.	Duluth, Minnesota	P. E. & L. S.
645	Flick, Adolph	Boone, Iowa	P. E. & L. S.
522	Finch, Adolph	West Union, Iowa	P. E. & L. S.
979	Findley, Raymond H.	Omaha, Nebraska	P. E. & L. S.
576	Fink, John L.	Clinton, Iowa	P. E.
150	Finkle, Vernon	Hampton, Iowa	P. E. & L. S.
499	Finley, Charles M.	Sioux City, Iowa	P. E. & L. S.
256	Finley, David M.	Harlan, Iowa	P. E. & L. S.
940	Fleming, Burton P.	Iowa City, Iowa	P. E. & L. S.
586	Fleming, John H.	Davenport, Iowa	P. E. & L. S.
110	Flood, Vilhel	Storn Lake, Iowa	P. E. & L. S.
679	Ford, Arthur H.	Iowa City, Iowa	P. E.
424	Ford, Clarence H.	Greenfield, Iowa	P. E. & L. S.
786	Fordyce, Franklin H.	Timnetburg, Iowa	P. E. & L. S.
917	Forrest, Victor E.	Minneapolis, Minnesota	P. E.
197	Forshel, Carl D.	Red Oak, Iowa	P. E. & L. S.
536	Foster, the Frank	Des Moines, Iowa	P. E. & L. S.
659	Foster, George S.	Ames, Iowa	P. E. & L. S.
917	Fox, Merritt L.	Cedar Rapids, Iowa	P. E. & L. S.
568	Frank, Charles C.	Eldora, Iowa	P. E. & L. S.
956	Frank, Clifford D.	Minneapolis, Minnesota	P. E. & L. S.
1212	Frere, Wm. J. Jr.	Council Bluffs, Iowa	P. E. & L. S.
621	Freshour, Fred W.	Des Moines, Iowa	P. E.
226	Freshour, Ralph J.	Des Moines, Iowa	P. E. & L. S.
565	Friedrich, Alfred K.	Ames, Iowa	P. E. & L. S.
78	Fries, George T.	Vinton, Iowa	P. E. & L. S.

ROSTER—(Continued)

Certificate Number	Name	Address	Branch of Engineering
304	Frink, Ralph K., Jr.	Des Moines, Iowa	P. E. & L. S.
764	Frudden, Conrad E.	Charles City, Iowa	P. E.
1104	Fuller, Almon H.	Ames, Iowa	P. E. & L. S.
797	Fuller, William A.	St. Louis, Missouri	P. E. & L. S.
172	Fuller, Raymond H.	Rock Rapids, Iowa	P. E. & L. S.
874	Fulton, Wilbur I.	Omaha, Nebraska	P. E. & L. S.
125	Furman, Russell A.	Spirit Lake, Iowa	P. E. & L. S.
1179	Fye, Russell C.	Donnellson, Iowa	P. E.
1053	Gabele, Henry Chas.	Mitchell, South Dakota	P. E.
217	Gaines, Alfred W.	Logan, Iowa	P. E. & L. S.
54	Garland, Walter B.	New Hampton, Iowa	P. E. & L. S.
519	Garrett, Arthur O.	Des Moines, Iowa	P. E. & L. S.
1208	Gates, Albert James	Atlantic, Iowa	P. E. & L. S.
1009	Gates, Levi S.	Cedar Rapids, Iowa	P. E. & L. S.
452	Gaylord, Charles H.	Des Moines, Iowa	P. E. & L. S.
21	Gaynor, Keyes C.	Sioux City, Iowa	P. E. & L. S.
427	Gearhart, Ralph W.	Cedar Rapids, Iowa	P. E. & L. S.
207	Gibbs, Chas. DeWitt	Marshall, Minnesota	P. E. & L. S.
774	Gibbs, S.	Corydon, Iowa	P. E. & L. S.
1068	Gibson, Ralph A.	Hobart, Indiana	P. E. & L. S.
227	Gilbert, Earl C.	Minneapolis, Minnesota	P. E. & L. S.
323	Gilbert, George H.	Tavenport, Iowa	P. E. & L. S.
97	Gilbert, Wesley	Sac City, Iowa	P. E. & L. S.
629	Gilchrist, Myrl C.	Des Moines, Iowa	P. E.
498	Gillette, Harry A.	Cedar Rapids, Iowa	P. E. & L. S.
951	Gillette, Lester S.	Fostoria, Iowa	P. E. & L. S.
1006	Gillette, Roy W.	Fostoria, Iowa	P. E. & L. S.
707	Gilliland, Archibald H.	Indianola, Iowa	P. E. & L. S.
714	Gilmore, David P.	Iowa City, Iowa	P. E. & L. S.
543	Gjellefald, Olaf N.	Forest City, Iowa	P. E. & L. S.
304	Gleason, Clarence L.	Ames, Iowa	P. E. & L. S.
906	Goldthwaite, Byron	Marengo, Iowa	P. E. & L. S.
584	Goodrich, Floyd	Humboldt, Iowa	P. E. & L. S.
326	Goodrich, Ira E.	Waterloo, Iowa	P. E. & L. S.
123	Goplerich, Clifford P.	Des Moines, Iowa	P. E. & L. S.
1382	Gordon, Ernest B.	Mason City, Iowa	P. E.
899	Gould, Augustus G.	Bethlehem, Pa.	P. E. & L. S.
698	Gould, Edward E.	Nashville, Tennessee	P. E.
397	Gould, Vernon G.	Chariton, Iowa	P. E. & L. S.
155	Graham, Howard O.	Kenwood, Iowa	P. E. & L. S.
509	Graham, Paul O.	Waterloo, Iowa	P. E. & L. S.
241	Graham, Henry W.	Davenport, Iowa	P. E.
629	Graichen, Henry W.	Le Sueur, Iowa	P. E. & L. S.
1029	Gravenkamp, Henry H.	Hamburg, Iowa	P. E. & L. S.
176	Gray, Bernard L.	Glenwood, Iowa	P. E. & L. S.
419	Gray, Gayman E.	Des Moines, Iowa	P. E. & L. S.
1021	Greely, Samuel A.	Chicago, Illinois	P. E. & L. S.
700	Green, Clarence C.	Des Moines, Iowa	P. E. & L. S.
533	Greens, Howard R.	Cedar Rapids, Iowa	P. E. & L. S.
1024	Green, Paul F.	Chicago, Illinois	P. E. & L. S.
408	Greene, Wm. J.	Cedar Rapids, Iowa	P. E. & L. S.
411	Greenleaf, Harold	Rock Island, Illinois	P. E. & L. S.
1058	Greenwood, Ralph H.	Hamburg, Iowa	P. E. & L. S.
96	Griffith, George M.	Iowa City, Iowa	P. E. & L. S.
642	Griffith, Wm. A.	New London, Iowa	P. E. & L. S.
34	Gross, Charles E.	Eagle Grove, Iowa	P. E. & L. S.
356	Grover, Alva J.	Council Bluffs, Iowa	P. E. & L. S.
1091	Grover, Charles Barr	Northwood, Iowa	P. E. & L. S.
823	Grover, Forest Ebenezer	Council Bluffs, Iowa	P. E. & L. S.
566	Grupe, Edgar V., Jr.	Omaha, Nebraska	P. E. & L. S.
573	Gunn, Raymond B.	Forest City, Iowa	P. E.
845	Hague, Alfred G.	Des Moines, Iowa	P. E.
1180	Hahn, Edward William	Elkader, Iowa	P. E.
648	Hahn, Herbert W.	Des Moines, Iowa	P. E.
927	Haines, James	Des Moines, Iowa	P. E.

ROSTER—(Continued)

Certificate Number	Name	Address	Branch of Engineering
450	Hakes, Carlton J.	Spencer, Iowa	P. E.
513	Haldness, F. P. G.	Muscatine, Iowa	P. E. & L. S.
1061	Hall, Merle A.	Vinton, Iowa	P. E. & L. S.
1168	Hall, Merton G.	Centerville, Iowa	P. E. & L. S.
336	Halpin, Paul J.	Des Moines, Iowa	P. E. & L. S.
767	Hammond, Robert Hugh	Kansas City, Missouri	P. E. & L. S.
152	Hands, Stanley M.	Iowa City, Iowa	P. E. & L. S.
107	Hanna, Frank W.	Ankeny, Iowa	P. E. & L. S.
67	Hansel, Harry E.	Bloomfield, Iowa	P. E. & L. S.
888	Hanson, Asie N.	Decorah, Iowa	P. E. & L. S.
683	Hanson, Bert B.	Stacyville, Iowa	P. E. & L. S.
1029	Harmon, Jacob A.	Peoria, Illinois	P. E. & L. S.
512	Harrington, Arthur S.	Omaha, Nebraska	P. E. & L. S.
516	Harris, Charles H.	Fairfield, Iowa	P. E.
748	Harris, Frank C.	Bancroft, Iowa	P. E. & L. S.
106	Hart, Guy D.	Spencer, Iowa	P. E. & L. S.
115	Hart, Reuben C.	Cedar Rapids, Iowa	P. E. & L. S.
154	Hartman, Russell T.	Des Moines, Iowa	P. E. & L. S.
278	Hartuppes, Harry W.	Fairfield, Iowa	P. E.
615	Hassler, Paul M.	Omaha, Nebraska	P. E. & L. S.
465	Hatch, Edward J.	Chicago, Illinois	P. E. & L. S.
216	Hatch, Walter A.	Cedar Rapids, Iowa	P. E.
140	Hatton, Norman	Oakloosa, Iowa	P. E. & L. S.
40	Hawkins, Horace C.	Des Moines, Iowa	P. E. & L. S.
1181	Hay, Earl Downing	Keokuk, Iowa	P. E. & L. S.
837	Hazlett, John Clark	Keokuk, Iowa	P. E. & L. S.
729	Headstrom, Charles R.	Waterloo, Iowa	P. E.
891	Heiple, Eldridge W.	Fort Dodge, Iowa	P. E. & L. S.
998	Heman, Fred	Mason City, Iowa	P. E. & L. S.
268	Henkel, Carl A.	Mason City, Iowa	P. E. & L. S.
1182	Henkel, George J.	Sioux City, Iowa	P. E. & L. S.
132	Henoch, Milton J.	Omaha, Nebraska	P. E. & L. S.
613	Henningson, Henning H.	Marshalltown, Iowa	P. E. & L. S.
27	Herm, Ole G.	Fairport, Iowa	P. E. & L. S.
540	Herrmann, Will C.	Clarion, Iowa	P. E. & L. S.
430	Herring, James W.	Traverse City, Michigan	P. E. & L. S.
577	Herrig, Wm. J.	Lyons, Iowa	P. E. & L. S.
164	Hershler, Richard A.	Davenport, Iowa	P. E. & L. S.
1251	Hertzog, Fred A.	Des Moines, Iowa	P. E. & L. S.
1252	Herwehe, Frederick A.	Ames, Iowa	P. E. & L. S.
1183	Hieson, John W.	Winterset, Iowa	P. E. & L. S.
992	Hiatt, Ernest B.	Hampton, Iowa	P. E. & L. S.
1184	Hickethier, Max E.	Ames, Iowa	P. E. & L. S.
431	Hickok, Harry M.	Minneapolis, Minnesota	P. E. & L. S.
1064	Hickok, Harvey M.	Iowa City, Iowa	P. E. & L. S.
534	Higbee, Frederick G.	Des Moines, Iowa	P. E. & L. S.
17	Higgins, Lafayette	Des Moines, Iowa	P. E. & L. S.
1146	Higgins, Lafayette	Des Moines, Iowa	P. E. & L. S.
1244	Hiland, John Edwin	Ames, Iowa	P. E.
262	Hill, George E.	Porterfield, Wisconsin	P. E. & L. S.
238	Hill, Jack B.	Iowa City, Iowa	P. E. & L. S.
1183	Hilton, Joseph N.	Clarion, Iowa	P. E.
1070	Hinderman, Arthur W.	Wapello, Iowa	P. E.
206	Hinman, Jack J.	Iowa City, Iowa	P. E. & L. S.
654	Hingten, Leo N.	Chicago, Illinois	P. E. & L. S.
249	Hitchcock, Walter A.	Des Moines, Iowa	P. E. & L. S.
369	Hites, Lisle V.	Des Moines, Iowa	P. E. & L. S.
561	Hoar, Friend R.	Des Moines, Iowa	P. E. & L. S.
1234	Hoff, Carl R.	Waterloo, Iowa	P. E.
32	Hoffman, Chester L.	Oakland, California	P. E. & L. S.
28	Hoffman, Isadore W.	Carroll, Iowa	P. E. & L. S.
1185	Hogeland, Edward E.	Milwaukee, Wisconsin	P. E. & L. S.
319	Holbrook, Leonard G.	Des Moines, Iowa	P. E. & L. S.
413	Holbrook, Perry S.	Des Moines, Iowa	P. E. & L. S.
279	Holbrook, Royal H.	Cedar Rapids, Iowa	P. E.

ROSTER—(Continued)

Certificate Number	Name	Address	Branch of Engineering
1115	Holbrook, Wm. Loren	Cincinnati, Iowa	P. E. & L. S.
906	Hollen, William	Tulsa, Oklahoma	P. E.
1025	Holland, Gary K.	Ann Arbor, Michigan	P. E. & L. S.
720	Hollen, V. L.	Lincoln, Nebraska	P. E. & L. S.
375	Holloway, Elmer A.	Cedar Rapids, Iowa	P. E.
905	Holloway, Gilbert N.	Mason City, Iowa	P. E.
412	Holmes, Alfred E.	Lake View, Iowa	P. E. & L. S.
733	Holmes, Fred E.	Iowa City, Iowa	P. E. & L. S.
945	Holmes, Leslie F.	Des Moines, Iowa	P. E.
445	Holmes, Sven Eugene	Cedar Rapids, Iowa	P. E.
372	Holt, Andrew H.	Iowa City, Iowa	P. E. & L. S.
704	Holtze, Harry S.	Sioux City, Iowa	P. E. & L. S.
1055	Holtzman, W. D., Jr.	Adel, Iowa	P. E.
41	Hopkins, Arthur E.	Clinton, Iowa	P. E. & L. S.
875	Hopkins, Peter Francis	Ames, Iowa	P. E. & L. S.
446	Hoppeck, Lewis N.	Des Moines, Iowa	P. E. & L. S.
1217	Hornor, Harold E.	Muscatine, Iowa	P. E.
1020	Horton, George T.	Chicago, Illinois	P. E.
1186	Hostrup, Christian F.	Louisville, Kentucky	P. E. & L. S.
816	Hovey, Arthur Miller	Oskaloosa, Iowa	P. E. & L. S.
907	Hovey, Glenn G.	Hopkenden, Iowa	P. E.
811	Howard, Marshall	Council Bluffs, Iowa	P. E. & L. S.
602	Howe, Jesse W.	Cedar Rapids, Iowa	P. E. & L. S.
329	Howe, Joseph H.	Cresco, Iowa	P. E. & L. S.
911	Howenstine, Irvin V.	Muscatine, Iowa	P. E. & L. S.
1187	Howie, Harry Hall	Mt. Ayr, Iowa	P. E. & L. S.
1034	Howson, L. E.	Chicago, Illinois	P. E.
952	Huart, Henry C.	Chicago, Illinois	P. E.
218	Hubbard, Frank R.	Des Moines, Iowa	P. E.
914	Huerth, Theodore	Sioux City, Iowa	P. E.
188	Huff, Clyde L.	Logan, Iowa	P. E. & L. S.
542	Huffman, Oscar L.	Waterloo, Iowa	P. E. & L. S.
1152	Huffman, Roy Smith	Orange City, Iowa	P. E. & L. S.
1218	Hufford, Ray Lewis	Algona, Iowa	P. E. & L. S.
239	Hug, John	Ames, Iowa	P. E.
583	Hughes, Homer	Lansing, Michigan	P. E. & L. S.
724	Hummel, Jesse G.	Ames, Iowa	P. E.
669	Huntington, Arthur	Cedar Rapids, Iowa	P. E. & L. S.
308	Hurst, Benjamin B.	Rockport, Missouri	P. E. & L. S.
554	Hutchison, Bryce	Long Beach, California	P. E. & L. S.
1072	Hutchison, Claron B.	Ames, Iowa	P. E.
1136	Hutchison, Robert Clay	Cherokee, Iowa	P. E. & L. S.
251	Hutton, Murray L.	Ames, Iowa	P. E. & L. S.
379	Huxtable, George S.	LeMars, Iowa	P. E. & L. S.
800	Hyland, John L.	Osceola, Iowa	P. E. & L. S.
434	Ide, Wilson T.	Ames, Iowa	P. E.
691	Ig, Paul	Osborne, Iowa	P. E. & L. S.
1073	Ilf, Earl A.	Webster City, Iowa	P. E. & L. S.
773	Ilf, Roscoe A.	Webster City, Iowa	P. E. & L. S.
117	Ilsenan, John A.	Boone, Iowa	P. E. & L. S.
122	Ingersoll, Frank B.	Marshalltown, Iowa	P. E. & L. S.
713	Ingalls, F. B.	Reading, Mass.	P. E.
129	Irwig, Everett H.	Atlantic, Iowa	P. E. & L. S.
1079	Jackman, Alwyn S.	Fort Dodge, Iowa	P. E. & L. S.
638	Jacobson, Ernst	Chicago, Illinois	P. E.
983	Jacoby, Clark E.	Kansas City, Missouri	P. E. & L. S.
1153	Jamison, Edwin L.	Albia, Iowa	P. E. & L. S.
145	Jeffery, Alfred M.	Estherville, Iowa	P. E. & L. S.
1130	Jennings, Thomas	New York City	P. E. & L. S.
1060	Johnson, A. E. J.	Red Oak, Iowa	P. E. & L. S.
281	Johnson, Frank	Des Moines, Iowa	P. E. & L. S.
931	Johnson, George E.	Lincoln, Nebraska	P. E. & L. S.
474	Johnson, Harvey E.	Des Moines, Iowa	P. E. & L. S.
460	Johnson, Hugh H.	Waterloo, South Dakota	P. E. & L. S.
432	Johnson, Merle E.	Storm Lake, Iowa	P. E. & L. S.

ROSTER—(Continued)

Certificate Number	Name	Address	Branch of Engineering
374	Johnson, Robert T.	Knoxville, Iowa	P. E. & L. S.
500	Johnson, Telemachus H.	Sioux City, Iowa	P. E. & L. S.
425	Johnson, Wardell D.	Waterloo, Iowa	P. E. & L. S.
938	Jones, Earl E.	Des Moines, Iowa	P. E. & L. S.
581	Jones, Frank O.	Fairmont, Minnesota	P. E. & L. S.
692	Jones, J. P.	Waterloo, Iowa	P. E.
265	Jones, Oliver M.	Cedar Rapids, Iowa	P. E. & L. S.
294	Jones, William E.	Ames, Iowa	P. E. & L. S.
275	Judd, William	Muscatine, Iowa	P. E. & L. S.
495	Karr, Jay A.	Des Moines, Iowa	P. E. & L. S.
282	Kasser, Elmer L.	Adel, Iowa	P. E. & L. S.
1134	Kassel, Henry Jacob	Mason City, Iowa	P. E. & L. S.
3	Kastberg, K. C.	Des Moines, Iowa	P. E. & L. S.
143	Kautz, Paul	Des Moines, Iowa	P. E. & L. S.
799	Kestor, Edward H.	Seokuk, Iowa	P. E. & L. S.
74	Keul, Harry D.	Minneapolis, Minnesota	P. E. & L. S.
694	Keffer, Karl K.	Des Moines, Iowa	P. E.
935	Keith, Kirk J.	Des Moines, Iowa	P. E. & L. S.
489	Keller, George K.	Iowa City, Iowa	P. E.
1018	Keltner, Ray L.	Shenandoah, Iowa	P. E. & L. S.
84	Kemman, Alveno F.	New Hampton, Iowa	P. E. & L. S.
719	Kennelly, Martin M.	Waterloo, Iowa	P. E. & L. S.
71	Kenworthy, Bruce R.	Des Moines, Iowa	P. E. & L. S.
705	Kerrigan, John C.	Primghar, Iowa	P. E. & L. S.
1219	Khan, Abel Fari	Ames, Iowa	P. E.
196	Kilpatrick, George H.	Waterloo, Iowa	P. E. & L. S.
171	Kimball, William H.	Davenport, Iowa	P. E. & L. S.
651	King, George M.	Des Moines, Iowa	P. E. & L. S.
929	King, Lowell R.	Davenport, Iowa	P. E. & L. S.
618	Kinnaird, Robert S.	Jackson, Mississippi	P. E. & L. S.
717	Kirk, Frank	Estherville, Iowa	P. E. & L. S.
46	Kittredge, Raymond B.	Iowa City, Iowa	P. E. & L. S.
527	Kivell, Wayne A.	Rockford, Iowa	P. E. & L. S.
616	Klaus, Henry S.	Manchester, Iowa	P. E.
558	Klinger, William A.	Sioux City, Iowa	P. E. & L. S.
995	Kneale, Morris T.	Onawa, Iowa	P. E. & L. S.
722	Koenig, Arnold O.	Lincoln, Nebraska	P. E. & L. S.
486	Korck, Elmer C.	Newton, Iowa	P. E. & L. S.
828	Korreck, John P.	Armstrong, Iowa	P. E. & L. S.
416	Koss, George W.	Des Moines, Iowa	P. E. & L. S.
1014	Kraft, John H.	Des Moines, Iowa	P. E. & L. S.
363	Krath, Daniel	Wellman, Iowa	P. E. & L. S.
1255	Kremer, Allen N.	Sigourney, Iowa	P. E. & L. S.
1220	Kruil, Leonard George	Des Moines, Iowa	P. E. & L. S.
664	Kraus, Walter O.	Davenport, Iowa	P. E. & L. S.
228	Kusblicke, Otto	Davenport, Iowa	P. E. & L. S.
551	Kurtz, Edwin	Ames, Iowa	P. E.
596	Kvaas, Thorvald K.	Chicago, Illinois	P. E. & L. S.
414	Kyhl, Louis C.	Omaha, Nebraska	P. E. & L. S.
351	Laing, Frank O.	Des Moines, Iowa	P. E. & L. S.
728	Laird, Madison R.	Des Moines, Iowa	P. E. & L. S.
203	Lamb, Ben H.	Spirit Lake, Iowa	P. E. & L. S.
303	Lamb, Marion D.	Chicago, Illinois	P. E.
919	Lambert, George F.	Des Moines, Iowa	P. E. & L. S.
22	Lambert, Byron J.	Iowa City, Iowa	P. E. & L. S.
840	Lampe, Louis H.	Bellefleur, Iowa	L. S.
941	Lankford, Everett A.	Boone, Iowa	P. E.
1188	Larsen, Ole	Springfield, Illinois	P. E. & L. S.
814	Lary, Robert Cooper	Cedar Rapids, Iowa	P. E. & L. S.
1080	Latimer, Oss William	Cedar Rapids, Iowa	P. E.
525	Laubenfels, Harry J.	Burlington, Iowa	P. E. & L. S.
884	Laubenfels, Gustave A.	Burlington, Iowa	P. E. & L. S.
350	Lawler, Francis D. H.	Burlington, Iowa	P. E. & L. S.
848	Lawman, Dale E.	Des Moines, Iowa	P. E. & L. S.
175	Leay, Vernon H.	Newton, Iowa	P. E. & L. S.

ROSTER—(Continued)

Certificate Number	Name	Address	Branch of Engineering
756	Leckliter, Walter H.	Des Moines, Iowa.	P. E. & L. S.
72	Lee, Albert W.	Des Moines, Iowa.	P. E. & L. S.
286	Lee, L. Orville.	Sac City, Iowa.	P. E. & L. S.
454	Lee, William M.	Cedar Rapids, Iowa.	P. E. & L. S.
1199	Leffers, Otto Leon.	Cedar Rapids, Iowa.	P. E. & L. S.
264	Leffert, David L.	Algona, Iowa.	P. E. & L. S.
383	Lehmkuhl, Charles	Greenfield, Iowa	P. E. & L. S.
174	Lehmkuhl, Leroy L.	Des Moines, Iowa.	P. E. & L. S.
342	Leicht, Harry S.	Ames, Iowa.	P. E. & L. S.
502	Lemon, Leslie C.	Davenport, Iowa	P. E. & L. S.
623	Leomon, George H.	Des Moines, Iowa.	P. E. & L. S.
600	Leslie, William H.	Iowa Falls, Iowa	P. E. & L. S.
2	LeVan, Alvin	Glendale, California	P. E. & L. S.
674	Lewis, DeGue K.	Bonne, Iowa.	P. E.
807	Lewis, Emanuel W.	Cedar Rapids, Iowa	P. E.
212	Lewis, Evartie M.	Des Moines, Iowa.	P. E. & L. S.
620	Lewis, Russell J.	St. Madison, Iowa	P. E. & L. S.
442	Lilly, Andrew J.	Britt, Iowa.	P. E. & L. S.
271	Lilly, James H.	Britt, Iowa.	P. E. & L. S.
1243	Lindauer, Willard Paul	Sioux City, Iowa.	P. E.
1210	Lindberg, Fritz Albert	Sioux City, Iowa.	P. E.
352	Lindsey, Jesse L.	Jefferson, Iowa.	P. E. & L. S.
1154	Linstrom, Arthur Chandler	Des Moines, Iowa	P. E.
224	Littie, Harry A.	Wester City, Iowa.	P. E. & L. S.
354	Livingston, Clarence R.	Davenport, Iowa.	P. E. & L. S.
908	Lloyd, George T.	Green Cove Springs, Florida.	P. E. & L. S.
38	Lodwick, Gwynell S.	Mystic, Iowa.	P. E.
141	Lofstedt, Otis H.	Grand Junction, Iowa	P. E. & L. S.
562	Long, George J.	Webster City, Iowa	P. E. & L. S.
482	Longer, Fred J.	Washington, Iowa	P. E. & L. S.
841	Looney, Julian I.	Des Moines, Iowa	P. E.
1239	Lorense, Paul Winfred	Des Moines, Iowa	P. E.
139	Lorenson, Ernest B.	Clinton, Iowa	P. E. & L. S.
973	Loring, David M.	Lincoln, Nebraska	P. E. & L. S.
967	Lorowit, Charles F.	Chicago, Illinois	P. E.
58	Lowry, Lellie	Cresco, Iowa.	P. E. & L. S.
147	Lowther, John E.	Wauwatosa, Wisconsin	P. E. & L. S.
842	Luce, Arthur T.	Des Moines, Iowa	P. E. & L. S.
869	Lueder, Herman H.	Sioux City, Iowa.	P. E. & L. S.
1080	Lueder, Roy M.	Omaha, Nebraska	P. E.
97	Luse, William H.	Sioux City, Iowa	P. E. & L. S.
190	Luten, Daniel B.	Indianapolis, Indiana	P. E. & L. S.
103	Lutes, Raymond E.	Perry, Iowa.	P. E. & L. S.
252	Lyford, Fred R.	Northwood, Iowa	P. E. & L. S.
574	Lyngst, James A.	Des Moines, Iowa	P. E. & L. S.
494	McAllister, John	Fort Dodge, Iowa	P. E. & L. S.
210	McCague, Thomas F.	Thornton, Iowa	P. E. & L. S.
29	McCauley, Thomas F.	Cedar Rapids, Iowa	P. E. & L. S.
741	McClain, Fred H.	Ames, Iowa.	P. E. & L. S.
747	McClellan, Frederick D.	Prescott, Iowa	P. E. & L. S.
57	McClure, Wm.	Rockwell City, Iowa	P. E. & L. S.
541	McCullough, George K.	Humboldt, Iowa	P. E. & L. S.
318	McCormack, Victor A.	Northwood, Iowa	P. E. & L. S.
109	McCormick, Robert	Missouri Valley, Iowa	P. E. & L. S.
253	McCown, W. V.	Ames, Iowa.	P. E. & L. S.
456	McCoy, Edward	Spencer, Iowa	P. E. & L. S.
467	McCoy, John J.	Davenport, Iowa	P. E. & L. S.
323	McCray, H. E.	Cedar Falls, Iowa	P. E. & L. S.
808	McCulloch, Ernest	Waterloo, Iowa	P. E.
647	MacDonald, Barnes	Minneapolis, Minnesota	P. E. & L. S.
27	Macdonald, Fred A.	New Hampton, Iowa.	P. E. & L. S.
993	Macdonald, E. N.	Estherville, Iowa.	P. E. & L. S.
1010	MacDuffee, Karl M.	Des Moines, Iowa.	P. E.
62	McFarland, Malcolm P.	Pierre, South Dakota	P. E. & L. S.
822	McGaughy, John D.	St. Madison, Iowa.	P. E. & L. S.
		Keokuk, Iowa	P. E. & L. S.

ROSTER—(Continued)

Certificate Number	Name	Address	Branch of Engineering
371	MacGibson, Wm. H.	Omaha, Nebraska	P. E. & L. S.
1117	McGrane, John L.	Council Bluffs, Iowa	P. E. & L. S.
619	McGrath, Clarence P.	Marengo, Iowa	P. E. & L. S.
968	McGraw, Max	Sioux City, Iowa	P. E.
792	McKay, Noble M.	Sioux Falls, Iowa	P. E.
377	McKeen, Hugh C.	Spencer, Iowa	P. E. & L. S.
1140	McKee, James B.	Jefferson, Iowa	P. E. & L. S.
1189	McKee, Alfred Louis	Guthrie Center, Iowa	P. E. & L. S.
547	McKenzie, Leon R.	Des Moines, Iowa.	P. E. & L. S.
1236	McLean, James C.	Sioux City, Iowa.	P. E.
338	McMurray, Ray	Newton, Iowa	P. E. & L. S.
1155	McQuiston, Clayton D.	Atlantic, Iowa	P. E. & L. S.
1196	McShane, Jesse Judson	Davenport, Iowa	P. E.
434	MacVicar, John, Jr.	Des Moines, Iowa	P. E.
1092	McLennan, Donald McK.	Des Moines, Iowa	P. E.
852	McWayne, Albert	Sioux Falls, South Dakota	P. E. & L. S.
617	Maek, Frank W.	Manson, Iowa	P. E.
778	Maek, George H.	Atkumwa, Iowa	P. E. & L. S.
882	Macy, Clarence S.	Adel, Iowa	P. E.
750	Madison, Walter G.	Ames, Iowa.	P. E.
836	Madole, Harley A.	Des Moines, Iowa	P. E. & L. S.
1156	Magee, Bronson Roy	Cleveland, Ohio	P. E.
1228	Magowan, Donald S.	Elkader, Iowa	P. E.
429	Maher, John R.	Eldora, Iowa	P. E. & L. S.
1109	Maher, Joseph F.	Carroll, Iowa	P. E.
750	Maine, Herbert A.	Waterloo, Iowa	P. E. & L. S.
751	Maine, Harry E.	Waterloo, Iowa	P. E. & L. S.
826	Malcum, Fred A.	Relle, Iowa	P. E. & L. S.
589	Malcolm, Ora P.	Pocahontas, Iowa	P. E. & L. S.
169	Mallette, Frank G.	Leon, Iowa	P. E. & L. S.
318	Mallory, John M.	Davenport, Iowa	P. E. & L. S.
1030	Manhard, Edward	Rock Island, Illinois	P. E. & L. S.
426	Mann, Franklin H.	Ames, Iowa.	P. E. & L. S.
937	Marker, Harvey Martin	Jefferson, Iowa	P. E. & L. S.
474	Marck, Fred H. S.	Des Moines, Iowa	P. E. & L. S.
7	Marsh, James B.	Des Moines, Iowa	P. E. & L. S.
15	Marston, Anson	Ames, Iowa	P. E. & L. S.
234	Martin, Carlotta E.	Des Moines, Iowa	P. E. & L. S.
707	Martin, Claude D.	Fort Dodge, Iowa	P. E.
5	Martin, L. M.	Atlantic, Iowa	P. E. & L. S.
105	Martin, Thomas R.	Emmettsburg, Iowa	P. E. & L. S.
1157	Martin, Thurman E.	Glenwood, Iowa	P. E.
630	Mason, Clyde	Ames, Iowa	P. E. & L. S.
950	Mather, Edward K.	Mitchell, South Dakota	P. E. & L. S.
819	Mathews, Leslie B.	Orlando, Florida	P. E. & L. S.
1138	Matson, George W.	Muscatine, Iowa	P. E. & L. S.
949	Matson, T. F.	Goodell, Iowa	P. E. & L. S.
1121	Maury, Dabney H.	Chicago, Illinois	P. E.
1225	Maxwell, Fred Wilson	Keokuk, Iowa	P. E. & L. S.
384	Maxwell, Wayne D.	Sac City, Iowa	P. E. & L. S.
162	Mayne, Arthur H.	Council Bluffs, Iowa	P. E. & L. S.
161	Mayne, Joel H.	Council Bluffs, Iowa	P. E. & L. S.
1138	Mead, Daniel J.	Madison, Wisconsin	P. E. & L. S.
975	Mechem, Arle W.	Clarion, Iowa	P. E.
31	Mechem, George L.	Clarion, Iowa	P. E. & L. S.
24	Meeker, Warren H.	Ames, Iowa	P. E.
81	Meekins, Harold R.	Webster City, Iowa	P. E. & L. S.
535	Meiberg, Amos	Vinton, Iowa	P. E. & L. S.
1002	Melson, S. J.	Jefferson, Iowa	P. E. & L. S.
569	Melson, Theodore G.	Waterloo, Iowa	P. E. & L. S.
1138	Mercer, Joseph W.	Waterloo, Iowa	P. E. & L. S.
1001	Meredith, E. R.	Ames, Iowa	P. E. & L. S.
780	Merrill, Keith B.	Des Moines, Iowa	P. E. & L. S.
1191	Merritt, Robert Wright	Ottumwa, Iowa	P. E. & L. S.
298	Merten, Charles F.	Garnet, Iowa	P. E. & L. S.

ROSTER—(Continued)

Certificate Number	Name	Address	Branch of Engineering
292	Merten, Elmer L.	Garner, Iowa	P. E. & L. S.
972	Metcalf, Leonard	Concord, Massachusetts	P. E. & L. S.
846	Meyer, Hans J.	Minneapolis, Minnesota	P. E.
193	Michaelson, Thorvald	Cedar Falls, Iowa	P. E. & L. S.
246	Michel, Archie E.	Algona, Iowa	P. E. & L. S.
701	Michel, Paul A.	Clairinda, Iowa	P. E. & L. S.
1093	Middleton, Harry Clarke	St. Paul, Minnesota	P. E.
532	Miller, Arthur F.	Ames, Iowa	P. E. & L. S.
20	Miller, George W.	Waterloo, Iowa	P. E. & L. S.
77	Miller, Herbert	Des Moines, Iowa	P. E. & L. S.
1192	Miller, Maurice Crane	Des Moines, Iowa	P. E.
53	Misner, Arthur	Waukon, Iowa	P. E. & L. S.
96	Minnis, C. L.	Des Moines, Iowa	P. E. & L. S.
1120	Mirick, Alfred	Lincoln, Nebraska	P. E. & L. S.
136	Mitchell, Edwin W.	Council Bluffs, Iowa	P. E. & L. S.
146	Mitchell, Lamont J.	Sioux Falls, South Dakota	P. E. & L. S.
1238	Moe, Carl Bromstead	Cedar Rapids, Iowa	P. E.
986	Moeller, J. A.	Rockwell City, Iowa	P. E. & L. S.
1082	Monlux, Wm. L.	Corwith, Iowa	P. E. & L. S.
501	Moore, John	Rockwell City, Iowa	P. E. & L. S.
80	Moorehead, Hammond A.	Ida Grove, Iowa	P. E. & L. S.
306	Moorehouse, Wallace W.	Dayton, Ohio	P. E. & L. S.
1087	Moots, Elmer Earl	Mt. Vernon, Iowa	P. E. & L. S.
1021	Morgan, Arthur E.	Dayton, Ohio	P. E. & L. S.
808	Morgan, Avery L.	Des Moines, Iowa	P. E. & L. S.
1193	Morgan, Grover B.	Hamburg, Iowa	P. E. & L. S.
305	Morriarty, Clarence	Sioux City, Iowa	P. E. & L. S.
1254	Morris, Mark Newton	Ames, Iowa	P. E.
83	Morris, Sidney D.	Highland Park, Illinois	P. E. & L. S.
11	Morrison, Joseph S.	Ottumwa, Iowa	P. E. & L. S.
406	Mosher, Clark L.	Sioux City, Iowa	P. E. & L. S.
399	Mosher, Leslie V.	Beryou, Illinois	P. E. & L. S.
364	Mullen, Ralph G.	Des Moines, Iowa	P. E. & L. S.
1229	Mullergren, Arthur L.	Kansas City, Missouri	P. E.
1011	Mulligan, Walter B.	Ames, Iowa	P. E. & L. S.
793	Myers, Bert M.	Ames, Iowa	P. E. & L. S.
964	Nagle, Clarence F.	Waterloo, Iowa	P. E.
844	Nalden, Fred S.	Des Moines, Iowa	P. E. & L. S.
440	Nebergall, Arthur	Dayton, Ohio	P. E. & L. S.
776	Negus, Joseph E.	Ft. Madison, Iowa	P. E. & L. S.
325	Nelson, Albert L.	Council Bluffs, Iowa	P. E. & L. S.
1158	Nelson, Arthur W.	Ottumwa, Iowa	P. E. & L. S.
386	Nelson, Charles	Rock Rapids, Iowa	P. E. & L. S.
883	Nelson, Ernest E.	Ottumwa, Iowa	P. E. & L. S.
928	Nelson, Fred Oscar	Toledo, Iowa	P. E. & L. S.
373	Nelson, George A.	Boone, Iowa	P. E. & L. S.
632	Nelson, N. Fred	Sioux Falls, Iowa	P. E. & L. S.
1090	Nemmers, W. P.	Des Moines, Iowa	P. E. & L. S.
753	Ness, Clarence J.	Waterloo, Iowa	P. E.
838	Nesman, Harold C.	Des Moines, Iowa	P. E. & L. S.
397	Nevin, James R.	Ottumwa, Iowa	P. E. & L. S.
781	Nichols, Charles S.	Ames, Iowa	P. E. & L. S.
916	Nichols, Earle G.	Cedar Rapids, Iowa	P. E.
1159	Nichols, John Cross	Ames, Iowa	P. E. & L. S.
946	Nichols, Thomas E.	Atlantic, Iowa	P. E.
736	Nichols, William P.	Ames, Iowa	P. E. & L. S.
915	Nislandt, Will C.	Des Moines, Iowa	P. E.
1125	Nixon, Harry Stillwell	Omaha, Nebraska	P. E. & L. S.
423	Norman, Roy A.	Ames, Iowa	P. E.
138	Norris, Mark V.	Koota, Iowa	P. E. & L. S.
1194	Norris, William Patrick	Sigourney, Iowa	P. E.
777	O'Brien, Stephen W.	Storm Lake, Iowa	P. E. & L. S.
1255	O'Connor, Wm. C.	Clarion, Iowa	P. E.
289	O'Keefe, Edward	Mason City, Iowa	P. E. & L. S.
758	O'Rourke, John B.	Des Moines, Iowa	P. E. & L. S.

ROSTER—(Continued)

Certificate Number	Name	Address	Branch of Engineering
1084	Ohrlich, Fred G.	E. St. Louis, Illinois	P. E. & L. S.
661	Odenshild, Irve E.	Minneapolis, Minnesota	P. E. & L. S.
936	Ogden, Frank P.	Centerville, Iowa	P. E. & L. S.
148	Oliver, George O.	Omaha, Iowa	P. E. & L. S.
787	Olson, Arthur O.	Des Moines, Iowa	P. E. & L. S.
404	Olson, Carl E.	Montezuma, Iowa	P. E. & L. S.
185	Olson, William A.	Nevada, Iowa	P. E. & L. S.
1049	Oltarsh, David M.	New York City	P. E. & L. S.
471	Orr, Harry O.	Waukon, Iowa	P. E. & L. S.
1085	Oreat, Andrew	Los Angeles, California	P. E.
347	Owen, Wm. F., Jr.	Cedar Rapids, Iowa	P. E. & L. S.
650	Paine, Frank D.	Ames, Iowa	P. E. & L. S.
653	Paine, Paul M.	Minneapolis, Minnesota	P. E. & L. S.
790	Parker, Louis F.	Des Moines, Iowa	P. E. & L. S.
464	Parks, Ralph H.	Omaha, Nebraska	P. E.
839	Parquette, John C.	Des Moines, Iowa	P. E. & L. S.
897	Parr, Charles H.	Charles City, Iowa	P. E.
305	Parsons, Douglas E.	Cedar Rapids, Iowa	P. E. & L. S.
147	Parsons, John L.	Fort Dodge, Iowa	P. E. & L. S.
855	Parsons, Samuel N.	Marion, Iowa	P. E. & L. S.
1051	Peterson, Archie S.	Adel, Iowa	P. E.
327	Patterson, Ralph E.	Boone, Iowa	P. E. & L. S.
1221	Patzer, Frank A.	Waterloo, Iowa	P. E. & L. S.
9	Patzig, Monroe L.	Des Moines, Iowa	P. E. & L. S.
743	Pauley, Ray E.	Mason City, Iowa	P. E. & L. S.
481	Paulson, John A.	Des Moines, Iowa	P. E.
994	Payton, James R.	Des Moines, Iowa	P. E. & L. S.
742	Pearce, Frank D.	Mason City, Iowa	P. E. & L. S.
134	Pearsall, Amos C.	Des Moines, Iowa	P. E. & L. S.
1043	Pearse, Langdon	Winnetka, Illinois	P. E. & L. S.
953	Peck, Edwin H.	Decatur, Iowa	P. E. & L. S.
1133	Pederson, Hans V.	Des Moines, Iowa	P. E. & L. S.
320	Perceival, John S.	Mason City, Iowa	P. E. & L. S.
403	Perkins, William L.	Chariton, Iowa	P. E. & L. S.
546	Perry, Guy A.	Creston, Iowa	P. E. & L. S.
697	Perry, Thomas B.	Mason City, Iowa	P. E. & L. S.
856	Peterson, Frank A.	Cedar Rapids, Iowa	P. E. & L. S.
953	Peterson, William H.	Des Moines, Iowa	P. E. & L. S.
902	Pettit, Homer B.	Corazal Canal Zone, Panama	P. E. & L. S.
126	Pfiffner, Clarence F.	Greenwood, Iowa	P. E. & L. S.
666	Phelps, Harry W.	Kanaville, Iowa	P. E. & L. S.
1313	Phelps, Howard L.	Tipton, Iowa	P. E. & L. S.
3226	Phelps, Mark Boardman	Knoxville, Iowa	P. E.
922	Pickus, Joseph	Sioux City, Iowa	P. E. & L. S.
443	Pierce, Glen Kenyon	Iowa City, Iowa	P. E.
796	Pilmer, John M.	Des Moines, Iowa	P. E. & L. S.
877	Pinneo, C. W.	Princeton, Iowa	L. S.
626	Plaster, Joseph M.	Ft. Dodge, Iowa	P. E.
627	Plummer, Hubert R.	Waterloo, Iowa	P. E.
9097	Pock, Roger W.	Chicago, Illinois	P. E. & L. S.
628	Porter, William S.	Eldora, Iowa	P. E. & L. S.
1045	Postel, Fred J.	Chicago, Illinois	P. E. & L. S.
237	Post, John W.	Ft. Dodge, Iowa	P. E.
1230	Preston, Foster Kealey	Carroll, Iowa	P. E.
137	Preston, Perry J.	Ames, Iowa	P. E. & L. S.
1094	Preus, Paul R. A.	Mason City, Iowa	P. E.
517	Prie, William A.	Missouri Valley, Iowa	P. E.
198	Prie, William O.	Chariton, Iowa	P. E. & L. S.
1123	Prince, Geo. Thomas	Omaha, Nebraska	P. E. & L. S.
1160	Princhen, Edwin A.	Sheldahl, Iowa	P. E. & L. S.
26	Quackenbush, John E.	Webster City, Iowa	P. E. & L. S.
604	Quale, W. L.	Thompson, Iowa	P. E. & L. S.
937	Quinn, LeRoy A.	Cedar Rapids, Iowa	P. E.
231	Ralph, Charles H.	Kansas City, Missouri	P. E.
1195	Randolph, Otto G. F.	Chicago, Illinois	P. E.

ROSTER—(Continued)

Certificate Number	Name	Address	Branch of Engineering
1222	Raver, Danna DeForrest	Newton, Iowa	P. E.
49	Rawn, Wm. P.	Washington, Iowa	P. E. & L. S.
16	Raymond, Wm. G.	Iowa City, Iowa	P. E. & L. S.
1190	Reaney, Ernest Garfield	Webster City, Iowa	P. E. & L. S.
360	Reaney, Charles F.	Dallas, Texas	P. E. & L. S.
478	Redman, Paul L.	Chariton, Iowa	P. E. & L. S.
79	Reed, Carl M.	Medford, Minnesota	P. E. & L. S.
412	Reese, Vincent M.	Des Moines, Iowa	P. E. & L. S.
1004	Reichlester, A. A.	Britt, Iowa	P. E. & L. S.
507	Reiff, Paul P.	Omaha, Nebraska	P. E. & L. S.
506	Reiff, George H.	Omaha, Nebraska	P. E.
1141	Reinholdt, Paul H.	Carroll, Iowa	P. E.
303	Reis, Paul	Des Moines, Iowa	P. E. & L. S.
970	Renken, Harry J.	Parkersburg, Iowa	P. E.
186	Reynolds, Charles H.	Pt. Dodge, Iowa	P. E.
223	Reynolds, John F.	Storm Lake, Iowa	P. E. & L. S.
455	Reynolds, Winchester E.	Storm Lake, Iowa	P. E. & L. S.
214	Rhodes, Benjamin F.	Svea City, Iowa	P. E. & L. S.
1227	Richards, Joseph H.	Storm Lake, Iowa	P. E. & L. S.
1193	Richards, Wm. Henry, Jr.	Chariton, Iowa	P. E.
1017	Richardson, Robert W.	Sioux City, Iowa	P. E. & L. S.
282	Riedesel, Paul W.	Sioux City, Iowa	P. E. & L. S.
839	Riesehe, Robert H.	Sioux City, Iowa	P. E.
675	Rigby, Walter E.	Maquoketa, Iowa	P. E. & L. S.
1209	Riley, Thomas E.	Cedar Rapids, Iowa	P. E. & L. S.
720	Rielow, O. G.	Forest City, Iowa	P. E. & L. S.
367	Robertson, Robert F.	Mason City, Iowa	P. E. & L. S.
999	Rogers, Carl A.	Estherville, Iowa	P. E. & L. S.
770	Roehrbough, Elmore W.	Omaha, Nebraska	P. E. & L. S.
191	Roland, Clarence W.	Des Moines, Iowa	P. E.
781	Roman, Emery G.	Chicago, Illinois	P. E.
744	Romig, Harold M.	Sioux City, Iowa	P. E. & L. S.
1161	Romine, Wm. Harold	Davenport, Iowa	P. E. & L. S.
273	Root, Walter H.	Ames, Iowa	P. E. & L. S.
659	Ross, Worth D.	Mason City, Iowa	P. E. & L. S.
1113	Rounds, Don M.	Des Moines, Iowa	P. E. & L. S.
160	Rounds, Garland L.	Council Bluffs, Iowa	P. E. & L. S.
165	Rowal, James A.	Willmar, Minnesota	P. E. & L. S.
530	Rowe, Virgil E.	Sioux City, Iowa	P. E. & L. S.
969	Rubio, Albert C.	Sioux City, Iowa	P. E.
587	Rude, Lewis M.	Des Moines, Iowa	P. E. & L. S.
1260	Rudilla, Clayton P.	Eldora, Iowa	P. E. & L. S.
468	Rushdill, George Henry	Oelwein, Iowa	P. E.
250	Russell, Don B.	Oskaloosa, Iowa	P. E. & L. S.
303	Rust, Thomas E.	Waterloo, Iowa	P. E. & L. S.
680	Ryan, James A.	Davenport, Iowa	P. E. & L. S.
555	Ryan, James J.	Muscatoine, Iowa	P. E. & L. S.
545	Ryan, John J.	Dubuque, Iowa	P. E. & L. S.
710	Sani, Herman	Des Moines, Iowa	P. E. & L. S.
163	Sarvis, Fred W.	Harlan, Iowa	P. E. & L. S.
215	Saam, Philip	Corning, Iowa	P. E. & L. S.
881	Sayre, Herbert A.	Des Moines, Iowa	P. E. & L. S.
1069	Scanlan, Jack A.	Evansston, Illinois	P. E.
817	Scanlon, John Leo	Buffalo, New York	P. E.
1233	Schaack, Stephen Andrew	Sioux City, Iowa	P. E.
296	Schafer, Charles W.	Adel, Iowa	P. E. & L. S.
1128	Schenk, Ernest Eugene	Dyersville, Iowa	P. E. & L. S.
30	Scharlach, C. C.	Cornwall, Iowa	P. E. & L. S.
387	Schled, Wm. J.	Ames, Iowa	P. E. & L. S.
1027	Schmidt, Geo. J.	Peoria, Illinois	P. E. & L. S.
1224	Schmidt, Hubert	Ames, Iowa	P. E. & L. S.
505	Schmidt, Theo. J.	Omaha, Nebraska	P. E. & L. S.
187	Schmidt, William	Omaha, Nebraska	P. E. & L. S.
1198	Schmitt, Herbert C.	Mason City, Iowa	P. E. & L. S.
291	Schneider, Fred C.	Ames, Iowa	P. E. & L. S.

ROSTER—(Continued)

Certificate Number	Name	Address	Branch of Engineering
299	Schnell, August	Clinton, Iowa	P. E. & L. S.
1225	Schone, Frank Paul	Iowa City, Iowa	P. E. & L. S.
745	Schott, Alfred M.	Sioux City, Iowa	P. E. & L. S.
576	Schreiber, Raymond A.	Des Moines, Iowa	P. E. & L. S.
912	Schulze, J. Otto	Iowa City, Iowa	P. E. & L. S.
595	Schwaderer, Herbert C.	Nebraska City, Nebraska	P. E. & L. S.
472	Schwab, Walter E.	Iowa City, Iowa	P. E. & L. S.
887	Sears, Charles A.	Keokuk, Iowa	P. E. & L. S.
703	Sears, Veal Vivian	Omaha, Nebraska	P. E. & L. S.
662	Seidel, Earl	Mason City, Iowa	P. E. & L. S.
674	Selden, James H.	Muscatoine, Iowa	P. E. & L. S.
1199	Sett, Walter	Bancroft, Iowa	P. E. & L. S.
420	Sernstrom, Carl Y.	Cherokee, Iowa	P. E. & L. S.
843	Sevenson, Jay H.	Albert Lea, Minnesota	P. E. & L. S.
760	Shaffer, John W.	Minneapolis, Minnesota	P. E. & L. S.
480	Shane, Adolph	Des Moines, Iowa	P. E.
857	Shannon, Charles A.	Nebraska City, Nebraska	P. E. & L. S.
471	Shelton, Wm. M. P.	Burlington, Iowa	P. E. & L. S.
1182	Sherman, Leroy K.	Chicago, Illinois	P. E.
752	Shirey, Charles W.	Waterloo, Iowa	P. E. & L. S.
290	Shive, Philip W.	Grand Mound, Iowa	P. E. & L. S.
321	Shivers, Berthard H.	Des Moines, Iowa	P. E. & L. S.
59	Shockley, Clyde A.	Kansas City, Missouri	P. E.
260	Shoemaker, Cuy T.	Davenport, Iowa	P. E.
531	Shoemaker, Joseph J.	Sibley, Iowa	P. E.
960	Sigg, Walter R.	Waterloo, Iowa	P. E.
983	Sime, Sampson E.	Waterloo, Iowa	P. E. & L. S.
173	Simpson, Charles F.	Waterloo, Iowa	P. E.
70	Simpson, Elmer W.	Rakes, Iowa	P. E. & L. S.
1132	Sinclair, Edwin Louis	Marion, Iowa	P. E. & L. S.
924	Singer, Leslie R.	Sioux City, Iowa	P. E.
102	Sjolander, Otto	Elkader, Iowa	P. E. & L. S.
778	Skeels, George V.	Sioux City, Iowa	P. E. & L. S.
1032	Skidmore, Hugh W.	Chicago, Illinois	P. E.
955	Skinner, Wm. E.	Minneapolis, Minnesota	P. E. & L. S.
293	Slippy, Ralph B.	Waterloo, Iowa	P. E. & L. S.
582	Sloan, Wm. M.	Des Moines, Iowa	P. E. & L. S.
876	Smalley, Clarence E.	Charles City, Iowa	P. E. & L. S.
192	Smith, Arthur A.	Iowa City, Iowa	P. E. & L. S.
477	Smith, Burton E.	Ames, Iowa	P. E. & L. S.
571	Smith, Charles P.	Waverly, Iowa	P. E. & L. S.
433	Smith, Clarence E.	Mt. Pleasant, Iowa	P. E. & L. S.
479	Smith, Fred Dean	Tampico, Mexico	P. E. & L. S.
923	Smith, George W.	Sioux City, Iowa	P. E. & L. S.
114	Smith, Gordon P.	St. Paul, Minnesota	P. E.
1200	Smith, Harold C.	Sioux City, Iowa	P. E.
737	Smith, Horace H.	Mankato, Minnesota	P. E. & L. S.
563	Smith, Howard M.	Agona, Iowa	P. E. & L. S.
1262	Smith, Kenneth James	Humboldt, Iowa	P. E. & L. S.
864	Smith, Percy P.	Cedar Rapids, Iowa	P. E. & L. S.
438	Smith, Robert J.	Davenport, Iowa	P. E. & L. S.
141	Smith, Willis J.	Qtizama, Iowa	P. E. & L. S.
1095	Sneary, Loy E.	Davenport, Iowa	P. E. & L. S.
194	Snooz, Cassius A.	Pt. Dodge, Iowa	P. E. & L. S.
271	Snyder, Leroy D.	Elaine, Arkansas	P. E. & L. S.
388	Spangler, Merlin G.	Ames, Iowa	P. E. & L. S.
1110	Spencer, Earl Barclay	Waterloo, Iowa	P. E. & L. S.
339	Spetman, Erwin E.	Council Bluffs, Iowa	P. E. & L. S.
313	Spickard, Harold B.	Sacramento, California	P. E. & L. S.
610	Spliman, James H. H.	Eldon, Iowa	P. E. & L. S.
234	Spratt, John F.	Iowa City, Iowa	P. E. & L. S.
734	Stack, Carl Theodore	Iowa City, Iowa	P. E. & L. S.
866	Stanton, Wilbur D.	Schenectady, New York	P. E. & L. S.
987	Staly, Wallace E.	Webster City, Iowa	P. E. & L. S.
307	Stark, Nathaniel M.	Des Moines, Iowa	P. E. & L. S.

ROSTER—(Continued)

Certificate Number	Name	Address	Branch of Engineering
389	Standeven, Walter F.	Omaha, Nebraska	P. E. & L. S.
1214	Stebbing, Walter L.	Chicago, Illinois	P. E.
560	Stedman, Harry E.	Des Moines, Iowa	P. E. & L. S.
366	Steigewalt, G. Frank	Bozeman, Montana	P. E. & L. S.
344	Stenger, Sam	Nevada, Iowa	P. E. & L. S.
1163	Steigler, Charles J.	Des Moines, Iowa	P. E. & L. S.
336	Steiner, Wm. H.	Des Moines, Iowa	P. E. & L. S.
916	Stephenson, Edwin J.	Davenport, Iowa	P. E. & L. S.
629	Stephenson, Jesse I.	Spencer, Iowa	P. E. & L. S.
451	Stephenson, Lawrence H.	Dayton, Iowa	P. E. & L. S.
850	Stern, Joseph R.	Des Moines, Iowa	P. E. & L. S.
1065	Stern, Isaac	Chicago, Illinois	P. E. & L. S.
926	Stewart, Harold H.	Des Moines, Iowa	P. E.
341	Stevens, Chester H.	Des Moines, Iowa	P. E.
1038	Stevens, Edson Murray	Mason City, Iowa	P. E. & L. S.
923	Stevens, Harold L.	Kansas City, Missouri	P. E.
1044	Stevens, L. J.	Chicago, Illinois	P. E.
1037	Stevenson, Jas. C.	Chicago, Illinois	P. E.
135	Stewart, Carl A.	Chicago, Illinois	P. E.
321	Stewart, Fred J.	Des Moines, Iowa	P. E. & L. S.
454	Stewart, George H.	Centerville, Iowa	P. E. & L. S.
1291	Stickney, Charles Elmore	Boone, Iowa	P. E. & L. S.
553	Still, John	Des Moines, Iowa	P. E.
847	Stoddard, Eugene K.	Oelwein, Iowa	P. E.
696	Stoddard, Ira J.	Des Moines, Iowa	P. E.
633	Stoddard, Frank P.	Washington, Iowa	P. E. & L. S.
393	Stoughton, Galen M.	Hartington, Iowa	P. E.
1019	Strait, Chas. H.	Brainerd, Minnesota	P. E. & L. S.
309	Strait, Halver R.	Des Moines, Iowa	P. E. & L. S.
930	Strain, Roy W.	Adel, Iowa	P. E.
1185	Streed, Felix L.	Sigourney, Iowa	P. E.
14	Stretcher, Clark H.	Kenilworth, Illinois	P. E. & L. S.
947	Strothman, Theodore L. B.	Cedar Falls, Iowa	P. E. & L. S.
93	Struckmann, Edwin	Waterloo, Iowa	P. E.
485	Stuart, Edwin G.	Des Moines, Iowa	P. E.
657	Stuart, Thomas E.	Des Moines, Iowa	P. E. & L. S.
4	Stubbs, F. W.	Council Bluffs, Iowa	P. E.
592	Swanson, Fred R.	Oelwein, Iowa	P. E. & L. S.
676	Sweney, John E.	Phoenixville, Pennsylvania	P. E.
798	Swen, Amel R.	Waterloo, Iowa	P. E.
277	Taggart, Isaac H.	Cedar Rapids, Iowa	P. E. & L. S.
996	Tait, Wm. S.	Clarinda, Iowa	P. E. & L. S.
195	Taylor, Benjamin I.	Chicago, Illinois	P. E.
1202	Taylor, George William	Sioux City, Iowa	P. E.
1041	Taylor, John O.	Belle Plaine, Iowa	P. E. & L. S.
1211	Taylor, Leslie R.	Chicago, Illinois	P. E.
812	Teal, Don L.	Detroit, Michigan	P. E.
361	Teal, Thomas T.	Ottumwa, Iowa	P. E. & L. S.
1293	Templeton, Henry Farwell	Osage, Iowa	P. E. & L. S.
688	Thins, Christian A.	Waterloo, Iowa	P. E.
495	Thomas, David L.	Chicago, Illinois	P. E.
1081	Thomas, John M.	Corydon, Iowa	P. E. & L. S.
1096	Thomas, Oren Richmond	Albia, Iowa	P. E. & L. S.
124	Thomas, Ralph Danford	Des Moines, Iowa	P. E.
118	Thompson, Frank W.	Minneapolis, Minnesota	P. E. & L. S.
714	Thompson, Vail E.	Des Moines, Iowa	P. E. & L. S.
405	Thompson, Harry W.	Wapello, Iowa	P. E. & L. S.
158	Thorne, Jent G.	Jefferson, Iowa	P. S. & L. S.
702	Thorburn, Hester W.	Clinton, Iowa	P. E. & L. S.
209	Thornton, Alonzo L.	Milwaukee, Wisconsin	P. E.
709	Thorpe, George E.	Pocahontas, Iowa	P. E. & L. S.
492	Thorpe, Thomas W.	Des Moines, Iowa	P. E.
832	Thul, Frank M.	Des Moines, Iowa	P. E. & L. S.
771	Tilboun, Harold L.	Clarion, Iowa	P. E. & L. S.
469	Tippie, John M.	Des Moines, Iowa	P. E. & L. S.
		Des Moines, Iowa	P. E. & L. S.

ROSTER—(Continued)

Certificate Number	Name	Address	Branch of Engineering
1204	Tomlinson, Wesley Durand	Alton, Missouri	P. E.
44	Tourtelot, Edward R.	Osborne, Iowa	P. E. & L. S.
1114	Towl, Roy N.	Sa. Omaha, Nebraska	P. E. & L. S.
1205	Townsend, David Wm.	Ida Grove, Iowa	P. E.
784	Toys, Guy C.	Northwood, Iowa	P. E. & L. S.
63	Toyne, Warren Deloss	Carroll, Iowa	P. E. & L. S.
607	Traxler, Henry	Clarinda, Iowa	P. E. & L. S.
1256	Tressa, Harold Wm.	Des Moines, Iowa	P. E.
144	Treichler, Wallace	Davenport, Iowa	P. E. & L. S.
52	Trick, Deane W.	Rolle, Iowa	P. E. & L. S.
1111	Trigg, Fred E.	Des Moines, Iowa	P. E.
923	Trost, Frederic W.	Chariton, Iowa	P. E. & L. S.
116	Troup, James V.	Waterloo, Iowa	P. E. & L. S.
285	Trull, Roland S.	Davenport, Iowa	P. E. & L. S.
1094	Trumbull, Morrison B.	Cedar Rapids, Iowa	P. E.
715	Tschirtz, Harold M.	Independence, Iowa	P. E. & L. S.
677	Tschirtz, Matthew	Cedar Rapids, Iowa	P. E. & L. S.
147	Tumy, Robert H.	Oskaloosa, Iowa	P. E. & L. S.
352	Tunnicliff, John C.	Davenport, Iowa	P. E. & L. S.
148	Tunnicliff, N. H.	Davenport, Iowa	P. E. & L. S.
827	Turnbull, John H.	Sibley, Iowa	P. E. & L. S.
471	Turner, Joseph W.	Des Moines, Iowa	P. E. & L. S.
1097	Turpin, Ushar	Sioux City, Iowa	P. E.
916	Twigg, Leon S.	Denver, Colorado	P. E. & L. S.
988	Udet, Karl	Nioux, Iowa	P. E. & L. S.
990	Ulery, Oscar E.	Sioux City, Iowa	P. E. & L. S.
1054	Unger, Chas. F.	Storm Lake, Iowa	P. E.
56	Urick, Ronald H.	Des Moines, Iowa	P. E. & L. S.
984	Van Hyning, Gardner, Jr.	Des Moines, Iowa	P. E.
475	Van Lier, John E.	Des Moines, Iowa	P. E. & L. S.
94	Van Sandt, Albert S.	Clarinda, Iowa	P. E. & L. S.
156	Van Sise, Andrew J.	Atlantic, Iowa	P. E. & L. S.
879	Varley, Mason A.	Sac City, Iowa	P. E. & L. S.
862	Vestib, Nathan W., Jr.	Kansas City, Missouri	P. E. & L. S.
353	Volkner, Albert W.	Iowa City, Iowa	P. E. & L. S.
667	Vollmer, Harry A.	Burlington, Iowa	P. E. & L. S.
779	Vollmer, Henry G.	Burlington, Iowa	P. E. & L. S.
48	Walker, Boyd F.	Council Bluffs, Iowa	P. E. & L. S.
159	Wallace, Leonard J.	Ames, Iowa	P. E. & L. S.
1099	Walls, Roland Schanel	Ames, Iowa	P. E.
708	Waller, Lloyd D.	Jefferson, Iowa	P. E. & L. S.
182	Ward, Joseph D.	Cedar Rapids, Iowa	P. E. & L. S.
615	Ware, Oliver F.	Ft. Madison, Iowa	P. E.
558	Warren, Daniel L.	Indianapolis, Indiana	P. E. & L. S.
19	Warriner, Thomas R.	Cedar Rapids, Iowa	P. E. & L. S.
963	Waterhouse, Charles E.	Burlington, Iowa	P. E. & L. S.
1237	Waterman, Earle L.	Iowa City, Iowa	P. E. & L. S.
71	Watkins, Joseph C.	Iowa City, Iowa	P. E. & L. S.
1180	Watson, Melvin Reed	Los Angeles, California	P. E. & L. S.
398	Weatherill, Cedric S.	Delkashua, Iowa	P. E. & L. S.
834	Welster, Edwin R.	Chicago, Illinois	P. E. & L. S.
701	Weeks, David P., Jr.	Berkeley, California	P. E. & L. S.
111	Wehrman, Fred M.	Eldora, Iowa	P. E. & L. S.
812	Weir, Samuel B.	Redford, Iowa	P. E. & L. S.
914	Weldin, Ernest	Iowa Falls, Iowa	P. E. & L. S.
99	Weller, Curtis D.	Atlantic, Iowa	P. E. & L. S.
501	Wendt, Wm. C. R.	Spencer, Iowa	P. E. & L. S.
59	Wesley, Charles S.	Sioux City, Iowa	P. E. & L. S.
649	Westerlund, Knut E.	Sioux City, Iowa	P. E.
723	Whalen, James F.	Anamosa, Iowa	P. E. & L. S.
111	Whawley, Earl J.	Whawley, Iowa	P. E. & L. S.
656	Whitaker, John M.	Waterloo, Iowa	P. E. & L. S.
243	White, Calvin J.	Marshalltown, Iowa	P. E. & L. S.
176	White, Fred R.	Ames, Iowa	P. E. & L. S.
867	White, Kingsley Barbour	Sioux City, Iowa	P. E. & L. S.

ROSTER—(Continued)

Certificate Number	Name	Address	Branch of Engineering
1127	White, Milton Robert	Minneapolis, Minnesota	P. E.
76	White, Warren G.	Nevada, Iowa	P. E. & I. S.
380	Whitney, Frank S.	Humboldt, Iowa	P. E. & I. S.
1165	Whittemore, Osgood James	Sheffield, Iowa	P. E.
283	Wick, Wallace S.	Des Moines, Iowa	P. E. & I. S.
156	Wickes, Gordon F.	Des Moines, Iowa	P. E. & I. S.
36	Wickham, John Q.	Ames, Iowa	P. E. & I. S.
89	Wicks, Granville B.	Des Moines, Iowa	P. E. & I. S.
853	Wiegner, Chauncey J.	Memphis, Missouri	P. E.
1206	Wilcox, George	Des Moines, Iowa	P. E. & I. S.
632	Wilder, George Ireland	Boone, Iowa	P. E. & I. S.
682	Williams, Cyrus Tyler	Sioux City, Iowa	P. E.
101	Williams, Howard S.	Atlantic, Iowa	P. E. & I. S.
244	Williams, Leon G.	Clear Lake, Iowa	P. E. & I. S.
1137	Wills, Arthur J.	Minneapolis, Minnesota	P. E.
483	Wilson, Ben H.	Mt. Pleasant, Iowa	P. E. & I. S.
687	Wilson, Charles T.	Waterloo, Iowa	P. E. & I. S.
432	Wilson, Fred P.	Mason City, Iowa	P. E. & I. S.
943	Wilson, Louis A.	Manchester, Iowa	P. E. & I. S.
867	Wilson, Louis A.	Long Beach, California	P. E. & I. S.
685	Wilson, William E.	Mason City, Iowa	P. E.
571	Wilson, William LeRoy	Des Moines, Iowa	P. E. & I. S.
242	Winfrey, Paul	Cedar Rapids, Iowa	P. E. & I. S.
854	Winningham, Archie J.	Ottumwa, Iowa	P. E. & I. S.
825	Winters, John F.	Burlington, Iowa	P. E. & I. S.
230	Withington, Arthur H.	Centerville, Iowa	P. E. & I. S.
1166	Witters, George S.	Ida Grove, Iowa	P. E. & I. S.
35	Wood, Charles R. Jr.	Clear Lake, Iowa	P. E. & I. S.
557	Wood, Garrett Wilbur	Sedan, Iowa	P. E. & I. S.
1167	Wood, Harry	Sac City, Iowa	P. E. & I. S.
1257	Wood, Robert C.	Omaha, Nebraska	P. E.
449	Woodburn, Chester G.	Des Moines, Iowa	P. E.
510	Woodhouse, George J.	Oelwein, Iowa	P. E.
346	Woodward, Sherman W.	Iowa City, Iowa	P. E.
805	Woolley, Birney C.	LeMars, Iowa	P. E. & I. S.
583	Woolston, Frank	Denison, Iowa	P. E. & I. S.
861	Wright, Charles E.	Hastings, Nebraska	P. E. & I. S.
1003	Wygant, R. L.	Lincoln, Nebraska	P. E. & I. S.
544	Wylie, Paul E.	Des Moines, Iowa	P. E. & I. S.
269	Wyman, Wm. O.	Ottumwa, Iowa	P. E. & I. S.
120	Yager, Walter D.	Calmar, Iowa	P. E. & I. S.
435	Yesger, Wm. D.	Cedar Rapids, Iowa	P. E. & I. S.
1105	Yarnell, David LeRoy	Washington, D. C.	P. E. & I. S.
1083	Yates, Joseph R.	Carlsbad, New Mexico	P. E.
131	Yetter, Floyd S.	Anamosa, Iowa	P. E. & I. S.
200	Yoder, Bartolette A.	Fonda, Iowa	P. E. & I. S.
13	Young, Charles H.	Muscatine, Iowa	P. E. & I. S.
95	Young, Frank E.	Iowa City, Iowa	P. E. & I. S.
593	Young, Frederick C.	Waterloo, Iowa	P. E. & I. S.
1164	Young, Roy M.	Montezuma, Iowa	P. E. & I. S.
902	Youngdale, Edgar W.	Granite Falls, Minnesota	P. E.
977	Younglove, Clyde C.	Sioux City, Iowa	P. E.
133	Zacherle, Josef	Des Moines, Iowa	P. E. & I. S.
343	Zack, Edgar G.	Webster City, Iowa	P. E. & I. S.
66	Zack, Elisha	Ames, Iowa	P. E. & I. S.
552	Zack, Otmar W.	Marshall, Minnesota	P. E. & I. S.
73	Zack, Raymond R.	Mason City, Iowa	P. E. & I. S.
503	Zika, George A.	Ottumwa, Iowa	P. E.
1258	Zippert, Roy R.	Sioux City, Iowa	P. E.
1207	Zorn, Charles Burton	Sioux City, Iowa	P. E.
663	Zuck, John	Clarence, Iowa	P. E. & I. S.

DECEASED

69	Charles E. Boyack, Independence, Iowa.
119	Edmund T. Perkins, Chicago, Illinois.
177	Wm. S. Beattie, Charles City, Iowa.
457	Julia S. Geneva, Jefferson, Iowa.
529	Joe M. Lewis, Sioux City, Iowa.
642	Edgar F. Stimson, Council Bluffs, Iowa.
684	Otto O. Howd, Webster City, Iowa.
803	Samuel R. Ballard, Burlington, Iowa.
921	Ernest Brown, Des Moines, Iowa.
1046	John A. Bensch, New York City.
1066	Harvey H. Brunner, Eddyville, Iowa.