

FIFTH BIENNIAL REPORT  
OF THE  
STATE INSPECTOR OF OILS

TO THE  
GOVERNOR OF IOWA.

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JUNE 30, 1893.

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PRINTED BY ORDER OF THE GENERAL ASSEMBLY.

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## Fifth Biennial Report of State Oil Inspector.

TO HON. HORACE BOIES, Governor of Iowa:

SIR:—In compliance with the statutes governing the inspection of illuminating oils within the State of Iowa, I hereby submit my report as State Inspector of Oils, for the term of two years, ending June 30th, 1893, at which time inspectors are stationed as follows:

J. J. Dunn .....	Dubuque.
Brad Hopkins .....	Dubuque.
Jno. M. Kenney .....	Keokuk.
W. G. Mercer .....	Burlington.
Wm. Bruhn .....	Davenport.
M. P. Healy .....	Cedar Rapids.
E. C. French .....	Ottumwa.
J. VanMetre .....	Waterloo.
Geo. W. Hyatt .....	Fort Dodge.
Frank Bradley .....	Des Moines.
Ed. L. Gardner .....	Knoxville.
Frank S. Widl .....	Marshalltown.
E. Rosch .....	Council Bluffs.
C. K. Smith .....	Sioux City.
L. A. Allen .....	Iowa City.

In addition to the above named inspectors there are helpers' appointed by deputy inspectors in all stations having no resident deputy, and in stations having more than one wholesale dealer in or vender of illuminating oils. Such helper is under the direct control and supervision of the deputy and has charge of the stencils of such deputy in his absence. This system of inspection service makes it impossible for any person to obtain possession of stencils except those who are not engaged in the manufacture or sale of petroleum or its products and who are under the control of the inspector.

### EXPLOSIONS.

As in my former report, I may confidently and truthfully say, that no explosion of kerosene oil has occurred during my term of office. Many fires were reported in the newspapers of the State to have originated in buildings and business houses and the cause alleged to be "lamp explosion." Thorough investigation in each case disclosed

the fact that careless handling of the lamp, defective burners, or imperfect oil stove, was the real cause of the fire, and the oil in each case was found to be up to the required test by myself and subsequently by Mr. Andrews, the expert of the State Board of Health.

#### VIOLATIONS.

The persons who have violated the law governing the inspection of illuminating oil in the State, have done so through ignorance, and they rarely commit the second offense, but one case is known to this department where the offender repeated the violation and this case is pending before the grand jury of the county in which the offense was committed.

Attached hereto is a statement of the number of barrels of oil rejected, number of barrels approved, number of barrels of gasoline rejected for illuminating purposes and the amount of fees received for the same, for the two years ending June 30th, 1893, and also a statement of expenses of Inspector and deputies from April 1st, 1892, to June 30th, 1893, as required by Acts of Twenty-fourth General Assembly, itemized statements of such expense having been filed monthly with the executive council.

#### REPORTS OF INSPECTORS.

##### *Report of inspection for the month of July, 1891.*

NAME OF INSPECTOR.	No. barrels of oil rejected.	No. barrels of oil approved.	No. barrels of gasoline rejected for illuminating purposes.	Amount of fees.
F. O. Udall.....	1,490	1,821	\$ 215.00	
Wm. Bruhn.....	1,454	858	188.30	
M. P. Healy.....	701	801	110.15	
W. G. Mercer.....	968	514	122.50	
C. F. Reffley.....	370	476	60.80	
E. C. French.....	478	708	84.10	
John Morris.....	1,275	2,577	246.35	
E. Rosch.....	1,030	702	138.20	
I. Van Metre.....	875	846	129.80	
Geo. W. Hyatt.....	356	596	65.40	
F. S. Widd.....	251	245	37.35	
E. L. Gardner.....	.....	110	5.80	
C. K. Smith.....	781	931	124.65	
Total.....	10,039	10,491	\$ 1,528.45	

##### *Report of inspection for the month of August, 1891.*

NAME OF INSPECTOR.	No. barrels of oil rejected.	No. barrels of oil approved.	No. barrels of gasoline rejected for illuminating purposes.	Amount of fees.
F. O. Udall.....	2,229	705	\$ 258.15	
J. M. Kenney.....	682	422	89.30	
W. G. Mercer.....	1,488	800	188.80	
Wm. Bruhn.....	953	770	133.80	
M. P. Healy.....	1	519	79.50	
E. C. French.....	1,205	703	135.55	
I. Van Metre.....	535	913	99.15	
Geo. W. Hyatt.....	682	583	97.35	
John Morris.....	1,977	2,634	329.40	
E. L. Gardner.....	.....	112	5.60	
F. S. Widd.....	682	548	95.60	
E. Rosch.....	1,131	1,242	175.20	
C. K. Smith.....	702	952	117.80	
Total.....	1	12,785	10,942	\$ 1,825.70

##### *Report of inspection for the month of September, 1891.*

NAME OF INSPECTOR.	No. barrels of oil rejected.	No. barrels of oil approved.	No. barrels of gasoline rejected for illuminating purposes.	Amount of fees.
F. O. Udall.....	4,255	863	\$ 468.65	
J. M. Kenney.....	1,127	240	124.70	
W. G. Mercer.....	1,875	214	215.00	
Wm. Bruhn.....	3,157	485	334.55	
M. P. Healy.....	1,968	526	223.10	
E. C. French.....	919	653	124.55	
I. Van Metre.....	2,400	1,133	302.65	
Geo. W. Hyatt.....	2	886	103.10	
John Morris.....	33	2,309	281.30	
E. L. Gardner.....	.....	119	17.80	
F. S. Widd.....	.....	962	118.50	
E. Rosch.....	1,115	637	143.35	
C. K. Smith.....	1,351	1,133	182.70	
Total.....	35	22,412	7,875	\$ 2,648.45

## Report of inspection for the month of October, 1891.

NAME OF INSPECTOR.	No. barrels of oil rejected.	No. barrels of oil approved.	No. barrels of gas-oil rejected for illuminating purposes.	Amount of fees.
F. O. Udall.....	.....	3,638	897	\$ 408.65
J. M. Kenney.....	.....	992	338	116.10
W. G. Mercer.....	.....	1,727	783	211.85
W. Bruhn.....	.....	1,464	831	187.95
M. P. Healey.....	.....	1,286	642	160.70
E. C. French.....	.....	1,234	335	140.15
I. Van Metre.....	.....	3,651	681	399.15
Geo. W. Hyatt.....	.....	1,497	539	176.65
John Morris.....	111	3,055	1,465	389.85
Ed. L. Gardner.....	111	230	.....	34.10
F. S. Widl.....	.....	1,594	477	183.25
E. Rosch.....	.....	1,379	837	179.75
C. K. Smith.....	.....	1,769	916	222.70
Total.....	222	23,516	8,741	\$ 2,810.85

## Report of inspection for the month of November, 1891.

NAME OF INSPECTOR.	No. barrels of oil rejected.	No. barrels of oil approved.	No. barrels of gas-oil rejected for illuminating purposes.	Amount of fees.
F. O. Udall.....	.....	3,041	185	\$ 313.35
J. M. Kenney.....	.....	1,307	148	138.10
W. G. Mercer.....	.....	2,649	92	269.50
W. Bruhn.....	.....	3,389	10	339.40
M. P. Healey.....	.....	1,687	224	179.90
E. C. French.....	.....	919	221	102.95
I. Van Metre.....	.....	1,971	143	294.25
Geo. W. Hyatt.....	.....	1,164	194	126.10
John Morris.....	.....	3,714	627	402.95
Ed. L. Gardner.....	.....	249	115	30.65
F. S. Widl.....	.....	867	.....	86.70
E. Rosch.....	10	1,907	215	292.45
C. K. Smith.....	.....	1,648	145	172.05
Total.....	10	24,512	2,319	\$ 2,568.15

## Report of inspection for the month of December, 1891.

NAME OF INSPECTOR.	No. barrels of oil rejected.	No. barrels of oil approved.	No. barrels of gas-oil rejected for illuminating purposes.	Amount of fees.
F. O. Udall.....	.....	4,915	254	\$ 504.20
J. M. Kenney.....	.....	1,196	117	125.45
W. G. Mercer.....	.....	2,157	5	215.95
W. Bruhn.....	.....	3,313	277	345.15
M. P. Healey.....	.....	1,956	193	205.25
E. C. French.....	.....	2,003	254	216.05
I. Van Metre.....	.....	3,313	362	349.40
Geo. W. Hyatt.....	.....	1,655	505	180.75
John Morris.....	.....	4,873	655	519.95
Ed. L. Gardner.....	.....	366	111	42.15
F. S. Widl.....	.....	1,241	292	138.70
E. Rosch.....	.....	2,738	194	283.50
C. K. Smith.....	.....	1,836	627	214.95
Total.....	.....	31,592	3,845	\$ 3,351.45

## Report of inspection for the month of January, 1892.

NAME OF INSPECTOR.	No. barrels of oil rejected.	No. barrels of oil approved.	No. barrels of gas-oil rejected for illuminating purposes.	Amount of fees.
F. O. Udall.....	.....	3,766	303	\$ 391.85
J. M. Kenney.....	.....	1,305	8	137.20
W. G. Mercer.....	.....	3,043	.....	304.30
W. Bruhn.....	.....	2,621	117	267.95
M. P. Healey.....	251	1,373	258	175.30
E. C. French.....	.....	1,347	144	141.90
I. Van Metre.....	.....	3,292	455	342.95
Geo. W. Hyatt.....	.....	1,419	226	155.20
John Morris.....	139	3,541	476	391.80
Ed. L. Gardner.....	.....	331	.....	35.10
F. S. Widl.....	.....	1,501	83	154.25
E. Rosch.....	.....	2,224	137	229.25
C. K. Smith.....	.....	1,738	580	202.80
Total.....	390	27,474	2,789	\$ 2,925.85



## Report of inspection for the month of February, 1892.

NAME OF INSPECTOR.	No. barrels of oil rejected.	No. barrels of oil approved.	No. barrels of gas-oil rejected for illuminating purposes.	Amount of fees.
F. O. Udall.....	3,019	110		\$ 307.70
J. M. Kenney.....	694	164		77.60
W. G. Mercer.....	2,640	305		279.25
W. Bruhn.....	2,766	202		286.80
M. P. Healy.....	978	305		113.65
E. C. French.....	1,006	111		106.15
I. Van Metre.....	1,720	318		187.90
Geo. W. Hyatt.....	1,479	82		152.00
John Morris.....	3,070	1,410		388.40
Ed. L. Gardner.....	111			11.10
F. S. Widl.....	1,463			146.30
E. Roach.....	1,301	341		207.45
C. K. Smith.....	1,352	547		162.55
Total.....	109	22,192	8,907	\$ 2,425.43

## Report of inspection for the month of March, 1892.

NAME OF INSPECTOR.	No. barrels of oil rejected.	No. barrels of oil approved.	No. barrels of gas-oil rejected for illuminating purposes.	Amount of fees.
F. O. Udall.....	4,946	2,046		\$ 596.90
J. M. Kenney.....	848	269		98.25
W. G. Mercer.....	514	376		70.20
W. Bruhn.....	1,794	544		237.60
M. P. Healy.....	974	226		130.40
E. C. French.....	1,348	334		141.50
I. Van Metre.....	2,962	1,004		346.40
Geo. W. Hyatt.....	447	83		48.85
John Morris.....	3,394	732		377.00
Ed. L. Gardner.....	187	116		24.50
F. S. Widl.....	781			78.10
E. Roach.....	1,219	603		132.85
C. K. Smith.....	1,219	648		134.30
Total.....	217	20,242	7,019	\$ 2,396.85

## REPORT OF INSPECTIONS, SALARY AND EXPENSE FOR THE MONTH OF APRIL, 1892.

INSPECTOR.	STATION.	No. bbls. oil rejected.	No. bbls. oil approved.	No. bbls. gas-oil rejected for illuminating purposes.	Amount of fees received.	Amount of fees retained.	Expense.	Total expense.	REMARKS.
J. J. Dunn	Dubuque	1	506	150	73.45	55.36		41.25	
F. O. Udall	Keokuk	1	1,711	739	335.26	215.60		45.50	\$16.40 deducted acc't shipment to Missouri.
J. M. Kenney	Davenport	1	1,737	967	335.26	215.60		134.41	
W. G. Mercer	Keokuk	1	1,737	967	335.26	215.60		134.41	
W. Bruhn	Davenport	1	1,737	967	335.26	215.60		134.41	
M. P. Healy	Cedar Rapids	1	1,737	967	335.26	215.60		134.41	
E. C. French	Waterloo	1	1,737	967	335.26	215.60		134.41	
I. Van Metre	Waterloo	1	1,737	967	335.26	215.60		134.41	
Geo. W. Hyatt	Fort Dodge	1	1,737	967	335.26	215.60		134.41	
John Morris	Keokuk	1	1,737	967	335.26	215.60		134.41	
Ed. L. Gardner	Keokuk	1	1,737	967	335.26	215.60		134.41	
F. S. Widl	Keokuk	1	1,737	967	335.26	215.60		134.41	
E. Roach	Keokuk	1	1,737	967	335.26	215.60		134.41	
C. K. Smith	Keokuk	1	1,737	967	335.26	215.60		134.41	
Balance due J. J. Dunn State Insp. Oils									
Total		107	11,027	7,043	1,250.25	838.03	710.25	1,520.25	

## REPORT OF INSPECTIONS, SALARY AND EXPENSE FOR THE MONTH OF MAY, 1892.

INSPECTOR.	STATION.	No. bbls. oil rejected.	No. bbls. oil approved.	No. bbls. gas-oil rejected for illuminating purposes.	Amount of fees received.	Amount of fees retained.	Expense.	Total expense.	REMARKS.
J. J. Dunn	Dubuque	1	506	150	73.45	55.36		41.25	
F. O. Udall	Keokuk	1	1,711	739	335.26	215.60		45.50	\$16.40 deducted acc't shipment to Missouri.
J. M. Kenney	Davenport	1	1,737	967	335.26	215.60		134.41	
W. G. Mercer	Keokuk	1	1,737	967	335.26	215.60		134.41	
W. Bruhn	Davenport	1	1,737	967	335.26	215.60		134.41	
M. P. Healy	Cedar Rapids	1	1,737	967	335.26	215.60		134.41	
E. C. French	Waterloo	1	1,737	967	335.26	215.60		134.41	
I. Van Metre	Waterloo	1	1,737	967	335.26	215.60		134.41	
Geo. W. Hyatt	Fort Dodge	1	1,737	967	335.26	215.60		134.41	
John Morris	Keokuk	1	1,737	967	335.26	215.60		134.41	
Ed. L. Gardner	Keokuk	1	1,737	967	335.26	215.60		134.41	
F. S. Widl	Keokuk	1	1,737	967	335.26	215.60		134.41	
E. Roach	Keokuk	1	1,737	967	335.26	215.60		134.41	
C. K. Smith	Keokuk	1	1,737	967	335.26	215.60		134.41	
Balance due J. J. Dunn State Insp. Oils									
Total		107	11,027	7,043	1,250.25	838.03	710.25	1,520.25	

# REPORT OF INSPECTIONS, SALARY AND EXPENSE FOR THE MONTH OF JUNE, 1892.

INSPECTOR.	STATION.	No. bbls. oil re- ported.	No. bbls. oil ap- proved.	No. bbls. gaso- line reported for illumination for purposes.	Amount of fees received.	Amount of fees retained.	Expenses.	Total expense.	REMARKS.
J. J. Dunn	Dubuque	722	488	62.00			20.40	70.40	
Brad. Hopkins	Dubuque	150	354	21.40		21.30	45.85	67.15	\$11.40 deducted acc't shipment to Missouri.
Jno. M. Kenney	Keokuk	975	475	111.25		53.31	25.50	91.11	
W. G. Mercer	Burlington	1,170	849	103.35		71.38	25.50	79.94	
Wm. Bruhn	Davenport	427	398	62.10		53.63	5.87	58.90	
M. P. Healy	Cedar Rapids	302	635	61.90		53.00	12.95	66.95	
E. C. French	Ottumwa	380	534	63.60		53.50	9.75	63.25	
I. Van Metre	Waterloo	772	767	115.55		66.30	20.00	86.44	
Geo. W. Hyatt	Fort Dodge	500	552	5.70		100.00	37.60	137.60	
Jno. Morris	Des Moines	1,800	1,509	275.45		3.70	4.00	7.70	
Ed. L. Gardner	Knoxville	785	510	104.30		63.58	17.85	81.43	
Frank S. Wild	Marshalltown	1,226	1,084	176.80		81.70	44.20	125.90	
E. Roach	Council Bluffs	679	970	106.00		54.00	43.50	107.50	
C. K. Smith	Sioux City							144.22	
Remitted State Treasurer									
Total		9,200	9,007	1,308.95		796.14	\$48.49	\$1,356.95	

# REPORT OF INSPECTIONS, SALARY AND EXPENSE FOR THE MONTH OF JULY, 1892.

J. J. Dunn	Dubuque	722	2,021	220.15		92.54	89.88	182.42	
Brad. Hopkins	Keokuk	252	690	51.70		50.40	40.70	91.10	\$8.30 deducted acc't shipment to Missouri
Jno. M. Kenney	Keokuk	528	1,082	102.30		64.61	32.00	96.61	
W. G. Mercer	Burlington	1,355	748	172.00		80.72	92	81.64	
Wm. Bruhn	Davenport	722	804	112.40		65.60	7.64	73.24	
M. P. Healy	Cedar Rapids	732	777	114.65		65.00	25.50	90.50	
E. C. French	Ottumwa	500	602	125.19		69.02	4.00	73.02	
I. Van Metre	Waterloo	463	704	81.50		57.88	28.70	86.58	
Geo. W. Hyatt	Fort Dodge	515	2,229	165.45		70.10	50.70	120.80	
Jno. Morris	Des Moines	515	254	17.70		17.70		17.70	
Ed. L. Gardner	Knoxville	880	586	67.30		54.22	17.55	71.77	
Frank S. Wild	Marshalltown	887	1,209	152.15		52.58	47.50	119.15	
E. Roach	Council Bluffs	979	1,044	119.50		64.87	45.30	110.17	
C. K. Smith	Sioux City							261.65	
Remitted State Treasurer									
Total		9,404	12,316	1,488.20		897.75	\$98.80	\$1,486.20	

# REPORT OF INSPECTIONS, SALARY AND EXPENSE FOR THE MONTH OF AUGUST, 1892.

J. J. Dunn	Dubuque	722	631	310.55		100.00	18.50	118.50	
Brad. Hopkins	Dubuque	2,880	631	310.55		100.00	95.50	195.50	
Jno. M. Kenney	Keokuk	1,030	902	128.10		69.40	36.50	105.90	\$9.50 deducted acc't shipment to Missouri.
W. G. Mercer	Burlington	1,500	648	182.00		83.25	48.00	130.90	
Wm. Bruhn	Davenport	681	1,220	130.65		70.01	14	70.25	
M. P. Healy	Cedar Rapids	1,005	774	139.60		73.40	14.80	88.20	
E. C. French	Ottumwa	570	866	102.40		63.10	23.30	86.40	
I. Van Metre	Waterloo	1,300	803	164.50		78.73	28.70	107.43	
Geo. W. Hyatt	Fort Dodge	908	905	749.55		74.84	22.50	97.34	
Jno. Morris	Des Moines	5,068	2,214	653.00		100.00	31.80	131.80	
Ed. L. Gardner	Knoxville	317	449	94.70		34.70		34.70	
Frank S. Wild	Marshalltown	944	449	116.88		95.71	27.25	122.96	
E. Roach	Council Bluffs	1,731	1,143	236.35		95.08	52.50	147.57	
C. K. Smith	Sioux City	1	629	1,153		120.05	67.05	187.10	
Remitted State Treasurer									
Total		111	15,682	11,729	\$2,152.95	\$76.11	\$428.81	\$2,152.95	

# REPORT OF INSPECTIONS, SALARY AND EXPENSES FOR THE MONTH OF SEPTEMBER, 1892.

J. J. Dunn	Dubuque	2,682	1,448	209.30		150.00	59.22	209.22	
Brad. Hopkins	Dubuque	1,194	308	167.70		84.73	42.00	126.73	\$22.30 deducted acc't shipment to Missouri.
Jno. M. Kenney	Keokuk	1,402	1,040	186.95		84.24	42.15	128.39	\$5.25 deducted acc't shipment to Missouri.
W. G. Mercer	Burlington	3,826	725	299.15		100.00		100.00	
Wm. Bruhn	Davenport	1,050	812	146.50		74.12	1.25	75.37	
M. P. Healy	Cedar Rapids	1,344	451	138.45		77.10	25.50	102.65	
E. C. French	Ottumwa	1,349	366	141.20		73.50	7.40	80.70	
I. Van Metre	Waterloo	907	746	129.60		80.50	33.74	114.24	
Geo. W. Hyatt	Fort Dodge	2,508	1,532	343.25		100.00	61.55	161.55	
Jno. Morris	Des Moines	148	194	34.20		34.20		34.20	
Ed. L. Gardner	Knoxville	622	453	87.25		59.46	12.75	72.21	
Frank S. Wild	Marshalltown	1,234	803	168.85		79.13	45.87	125.00	
E. Roach	Council Bluffs	1,226	1,202	182.70		83.20	51.55	134.75	
C. K. Smith	Sioux City							509.84	
Remitted State Treasurer									
Total		150	19,411	10,124	\$2,434.75	\$68.68	\$502.25	\$2,434.75	

AMOUNT OF INSPECTIONS, SALARY AND EXPENSE FOR THE MONTH OF OCTOBER, 1892.

[illegible]

REPORT OF INSPECTIONS, SALARY AND EXPENSE FOR THE MONTH OF NOVEMBER

[illegible]

TABLE 1. THE COMMISSIONS, SALARY AND EXPENSE FOR THE MONTH OF DECEMBER, 1921.

REPORT OF INSPECTION & SALARY										1931		1932		1933		1934		1935		1936		1937		1938		1939		1940		1941		1942		1943		1944		1945		1946		1947		1948		1949		1950		1951		1952		1953		1954		1955		1956		1957		1958		1959		1960		1961		1962		1963		1964		1965		1966		1967		1968		1969		1970		1971		1972		1973		1974		1975		1976		1977		1978		1979		1980		1981		1982		1983		1984		1985		1986		1987		1988		1989		1990		1991		1992		1993		1994		1995		1996		1997		1998		1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018		2019		2020		2021		2022		2023		2024		2025		2026		2027		2028		2029		2030		2031		2032		2033		2034		2035		2036		2037		2038		2039		2040		2041		2042		2043		2044		2045		2046		2047		2048		2049		2050		2051		2052		2053		2054		2055		2056		2057		2058		2059		2060		2061		2062		2063		2064		2065		2066		2067		2068		2069		2070		2071		2072		2073		2074		2075		2076		2077		2078		2079		2080		2081		2082		2083		2084		2085		2086		2087		2088		2089		2090		2091		2092		2093		2094		2095		2096		2097		2098		2099		2100		2101		2102		2103		2104		2105		2106		2107		2108		2109		2110		2111		2112		2113		2114		2115		2116		2117		2118		2119		2120		2121		2122		2123		2124		2125		2126		2127		2128		2129		2130		2131		2132		2133		2134		2135		2136		2137		2138		2139		2140		2141		2142		2143		2144		2145		2146		2147		2148		2149		2150		2151		2152		2153		2154		2155		2156		2157		2158		2159		2160		2161		2162		2163		2164		2165		2166		2167		2168		2169		2170		2171		2172		2173		2174		2175		2176		2177		2178		2179		2180		2181		2182		2183		2184		2185		2186		2187		2188		2189		2190		2191		2192		2193		2194		2195		2196		2197		2198		2199		2200		2201		2202		2203		2204		2205		2206		2207		2208		2209		2210		2211		2212		2213		2214		2215		2216		2217		2218		2219		2220		2221		2222		2223		2224		2225		2226		2227		2228		2229		2230		2231		2232		2233		2234		2235		2236		2237		2238		2239		2240		2241		2242		2243		2244		2245		2246		2247		2248		2249		2250		2251		2252		2253		2254		2255		2256		2257		2258		2259		2260		2261		2262		2263		2264		2265		2266		2267		2268		2269		2270		2271		2272		2273		2274		2275		2276		2277		2278		2279		2280		2281		2282		2283		2284		2285		2286		2287		2288		2289		2290		2291		2292		2293		2294		2295		2296		2297		2298		2299		2300		2301		2302		2303		2304		2305		2306		2307		2308		2309		2310		2311		2312		2313		2314		2315		2316		2317		2318		2319		2320		2321		2322		2323		2324		2325		2326		2327		2328		2329		2330		2331		2332		2333		2334		2335		2336		2337		2338		2339		2340		2341		2342		2343		2344		2345		2346		2347		2348		2349		2350		2351		2352		2353		2354		2355		2356		2357		2358		2359		2360		2361		2362		2363		2364		2365		2366		2367		2368		2369		2370		2371		2372		2373		2374		2375		2376		2377		2378		2379		2380		2381		2382		2383		2384		2385		2386		2387		2388		2389		2390		2391		2392		2393		2394		2395		2396		2397		2398		2399		2400		2401		2402		2403		2404		2405		2406		2407		2408		2409		2410		2411		2412		2413		2414		2415		2416		2417		2418		2419		2420		2421		2422		2423		2424		2425		2426		2427		2428		2429		2430		2431		2432		2433		2434		2435		2436		2437		2438		2439		2440		2441		2442		2443		2444		2445		2446		2447		2448		2449		2450		2451		2452		2453		2454		2455		2456		2457		2458		2459		2460		2461		2462		2463		2464		2465		2466		2467		2468		2469		2470		2471		2472		2473		2474		2475		2476		2477		2478		2479		2480		2481		2482		2483		2484		2485		2486		2487		2488		2489		2490		2491		2492		2493		2494		2495		2496		2497		2498		2499		2500		2501		2502		2503		2504		2505		2506		2507		2508		2509		2510		2511		2512		2513		2514		2515		2516		2517		2518		2519		2520		2521		2522		2523		2524		2525		2526		2527		2528		2529		2530		2531		2532		2533		2534		2535		2536		2537		2538		2539		2540		2541		2542		2543		2544		2545		2546		2547		2548		2549		2550		2551		2552		2553		2554		2555		2556		2557		2558		2559		2560		2561		2562		2563		2564		2565		2566		2567		2568		2569		2570		2571		2572		2573		2574		2575		2576		2577		2578		2579		2580		2581		2582		2583		2584		2585		2586		2587		2588		2589		2590		2591		2592		2593		2594		2595		2596		2597		2598		2599		2600		2601		2602		2603		2604		2605		2606		2607		2608		2609		2610		2611		2612		2613		2614		2615		2616		2617		2618		2619		2620		2621		2622		2623		2624		2625		2626		2627		2628		2629		2630		2631		2632		2633		2634		2635		2636		2637		2638		2639		2640		2641		2642		2643		2644		2645		2646		2647		2648		2649		2650		2651		2652		2653		2654		2655		2656		2657		2658		2659		2660		2661		2662		2663		2664		2665		2666		2667		2668		2669		2670		2671		2672		2673		2674		2675		2676		2677		2678		2679		2680		2681		2682		2683		2684		2685		2686		2687		2688		2689		2690		2691		2692		2693		2694		2695		2696		2697		2698		2699		2700		2701		2702		2703		2704		2705		2706		2707		2708		2709		2710		2711		2712		2713		2714		2715		2716		2717		2718		2719		2720		2721		2722		2723		2724		2725		2726		2727		2728		2729		2730		2731		2732		2733		2734		2735		2736		2737		2738		2739		2740		2741		2742		2743		2744		2745		2746		2747		2748		2749		2750		2751		2752		2753		2754		2755		2756		2757		2758		2759		2760		2761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REPORT OF INSPECTIONS, SALARY AND EXPENSE FOR THE MONTH OF JANUARY, 1902.

[illegible]



# REPORT OF INSPECTIONS, SALARY AND EXPENSE FOR THE MONTH OF FEBRUARY, 1893.

INSPECTOR.	STATION.	No. bills of re- ceived.	No. bills of ap- proved.	No. bills, goods inspected for purposes	Amount of fees received.	Amount of fees retained.	Expense.	Total expense.	REMARKS.
J. J. Dunn	Dubuque	2,964	84	305.50	100.00	32.83	32.83	32.83	
Brad Hopkins	Dubuque	1,029	94	104.00	100.00	20.16	20.16	20.16	
John M. Kenney	Keokuk	1,027	94	104.00	71.00	26.80	26.80	26.80	
W. G. Mercer	Burlington	1,429	94	142.00	73.22	32.20	32.20	32.20	
Wm. Bruhn	Davenport	1,454	87	151.75	85.75	60	60	60	
M. P. Healy	Cedar Rapids	1,414	380	160.55	77.84	17.36	35.20	35.20	
E. C. French	Ottumwa	1,385	200	151.20	15.30	28.95	154.25	154.25	
I. Van Metre	Waterloo	1,608	260	180.25	82.54	14.29	96.83	96.83	
Geo. W. Hyatt	Fort Dodge	1,478	96	137.00	71.90	43.90	117.80	117.80	
J. A. Dyer	Des Moines	2,722	975	315.00	100.00	83.30	183.30	183.30	
Ed. L. Gardner	Knoxville	277	530	49.20	49.20	11.50	60.70	60.70	
F. S. Will	Marshalltown	880	530	88.00	50.70	33.00	79.90	79.90	
E. Bosch	Council Bluffs	1,221	477	130.00	73.23	44.96	115.19	115.19	
C. K. Smith	Sioux City	1,310	464	151.50	75.30	37.50	122.30	122.30	
Remitted State Treasurer							264.33	264.33	
Total		19,844	3,207	2,135.05	991.47	628.25	2,135.05		

# REPORT OF INSPECTIONS, SALARY AND EXPENSE FOR THE MONTH OF MARCH, 1893.

J. J. Dunn	Dubuque	2,738	94	287.50	100.00	37.95	37.95	37.95	
Brad Hopkins	Dubuque	1,029	94	104.00	100.00	21.14	21.14	21.14	
John M. Kenney	Keokuk	1,027	239	81.63	57.75	31.60	89.30	89.30	
W. G. Mercer	Burlington	2,742	947	316.50	100.00	81.80	131.80	131.80	
Wm. Bruhn	Davenport	1,263	486	158.50	73.12	12.60	85.72	85.72	
M. P. Healy	Cedar Rapids	1,600	502	188.70	84.87	34.14	118.81	118.81	
E. C. French	Ottumwa	1,150	295	130.85	70.20	34.70	104.90	104.90	
I. Van Metre	Waterloo	1,614	261	214.00	100.00	20.34	134.34	134.34	
Geo. W. Hyatt	Fort Dodge	1,120	931	159.13	77.29	51.21	129.50	129.50	
J. A. Dyer	Des Moines	2,343	1,450	308.75	100.00	59.80	159.80	159.80	
Ed. L. Gardner	Knoxville	618	110	67.00	67.00	15.00	82.00	82.00	
F. S. Will	Marshalltown	751	221	88.00	50.70	30.00	80.70	80.70	
E. Bosch	Council Bluffs	1,284	975	146.15	74.63	37.37	111.40	111.40	
C. K. Smith	Sioux City	1,310	475	171.25	86.44	47.60	125.04	125.04	
Remitted State Treasurer							280.71	280.71	
Total		21,002	8,024	2,825.00	1,000.30	734.30	2,825.00		

# REPORT OF INSPECTIONS, SALARY AND EXPENSE FOR THE MONTH OF APRIL, 1893.

J. J. Dunn	Dubuque	2,738	94	287.50	100.00	30.70	30.70	30.70	
Brad Hopkins	Dubuque	1,029	295	227.50	100.00	215.54	215.54	215.54	
John M. Kenney	Keokuk	1,220	374	127.80	69.45	29.30	97.65	97.65	M. 25 deducted acc't shipment to Missouri.
W. G. Mercer	Burlington	1,488	414	180.80	79.87	32.20	112.07	112.07	
Wm. Bruhn	Davenport	1,263	486	158.50	73.12	12.60	85.72	85.72	
M. P. Healy	Cedar Rapids	1,600	511	20.25	32.31	30.20	81.80	81.80	
E. C. French	Ottumwa	1,445	417	65.00	53.40	22.30	75.00	75.00	
I. Van Metre	Waterloo	1,628	736	227.90	96.75	12.71	112.40	112.40	
Geo. W. Hyatt	Fort Dodge	1,250	478	146.00	74.10	35.00	109.00	109.00	
J. A. Dyer	Des Moines	2,407	1,009	407.20	100.00	61.50	161.40	161.40	
Ed. L. Gardner	Knoxville	255	111	31.00	21.60	8.65	40.15	40.15	
F. S. Will	Marshalltown	1,175	896	127.80	71.69	2.80	81.80	81.80	
E. Bosch	Council Bluffs	1,282	422	219.80	82.43	40.28	142.23	142.23	
C. K. Smith	Sioux City	964	583	119.50	62.29	48.10	115.40	115.40	
L. A. Allen	Iowa City	885	95	21.80	21.80	29.78	51.58	51.58	
J. A. Dyer	Des Moines				100.00		100.00	100.00	Account disallowance for February, 1892.
State treasurer, Des Moines							427.54	427.54	
Total		19,938	6,200	2,220.50	1,085.62	707.30	2,220.50		

# REPORT OF INSPECTIONS, SALARY AND EXPENSE FOR THE MONTH OF MAY, 1893.

J. J. Dunn	Dubuque	2,738	1,422	291.70	100.00	66.80	66.80	66.80	
Brad Hopkins	Dubuque	1,029	295	227.50	100.00	222.16	222.16	222.16	
John M. Kenney	Keokuk	904	527	72.20	50.50	29.40	85.20	85.20	M. 25 deducted acc't shipment to Missouri.
W. G. Mercer	Burlington	944	697	96.75	62.19	21.40	83.30	83.30	
Wm. Bruhn	Davenport	1,263	486	158.50	73.12	7.29	79.20	79.20	
M. P. Healy	Cedar Rapids	919	621	132.95	70.74	61.50	122.30	122.30	
E. C. French	Ottumwa	882	400	110.70	65.15	20.70	85.85	85.85	
I. Van Metre	Waterloo	991	725	125.00	66.70	7.20	73.90	73.90	
Geo. W. Hyatt	Fort Dodge	967	414	77.20	36.80	30.60	67.75	67.75	
J. A. Dyer	Des Moines	82	222	30.50	11.25	19.25	30.50	30.50	
Frank Bradley	Des Moines	1,438	1,460	228.00	88.75	71.43	160.18	160.18	
Ed. L. Gardner	Knoxville	315	117	37.10	27.10	10.50	47.60	47.60	
F. S. Will	Marshalltown	620	314	66.20	32.67	24.70	86.77	86.77	
E. Bosch	Council Bluffs	1,462	898	176.25	88.28	22.26	115.26	115.26	
C. K. Smith	Sioux City	914	622	129.30	69.85	58.15	125.00	125.00	
L. A. Allen	Iowa City	4	108	67	25.25	20.25	25.25	25.25	
J. A. Dyer	Des Moines				34.50		34.50	34.50	Omitted March 1, 1893. The m't for all which passed through the hands of S. S. and T. not paid for at the time.
Remitted State Treasurer							198.80	198.80	
Total		50	12,820	10,620.00	1,812.15	930.12	684.17	812.15	



## REPORT OF INSPECTIONS, SALARY AND EXPENSE FOR THE MONTH OF JUNE, 1893.

INSPECTOR.	STATION.	No. bbls. oil re- jected.	No. bbls. oil ap- proved.	No. bbls. oil re- jected for il- luminating purpose.	Amount of fees received.	Amount of fees retained.	Expense.	Total expense.	REMARKS.
L. J. Dunn	Baltimore	1,788	1,536	254	100.00	100.00	24.25	24.25	
J. M. Kenney	Baltimore	881	887	6	133.30	71.50	61.80	71.50	
J. M. Kenney	Keokuk	401	383	18	133.30	71.50	61.80	71.50	
W. G. Mercer	Davenport	498	543	45	66.75	66.75	31.78	31.78	
M. P. Healy	Cedar Rapids	820	755	65	66.75	62.40	44.30	58.10	
E. C. French	Waterloo	962	415	547	110.95	63.25	47.70	85.10	
Geo. W. Hyatt	Fort Dodge	1,415	1,822	407	110.95	66.80	72.41	81.41	
Frank Bradley	Knoxville	111	208	97	39.35	39.35	6.60	22.35	
E. S. Wild	Marshalltown	384	970	586	100.70	63.42	37.28	100.00	
R. Roach	Shenandoah Bluffs	577	1,163	586	112.85	65.70	47.15	100.00	
L. A. Allen	Iowa City	8,831	10,041	1,210	510.45	510.45	828.21	1,338.66	
Benjamin State Treasurer									
Total									\$4.30 deducted acc't shipment to Missouri.

CONSOLIDATION OF INSPECTION BY MONTHS FROM APRIL 1,  
1892, TO JUNE 30, 1893.

MONTHS.	No. barrels oil re- jected.	No. barrels oil ap- proved.	No. barrels gaso- line rejected for illuminating pur- poses.	Amount of fees re- ceived.	Salary of deputies.	Expense.
April.....	197	11,757	7,148	1,536.00	\$38.00	712.25
May.....	5	12,155	7,004	1,551.40	838.43	302.23
June.....	1	9,200	9,067	1,538.00	750.14	448.49
July.....	4	8,404	13,316	1,498.20	857.75	586.80
August.....	111	15,032	11,729	2,152.05	974.11	479.82
September.....	190	19,411	10,134	2,434.75	988.68	556.22
October.....	57	21,204	8,159	2,568.65	901.45	658.82
November.....	29,025	7,092	3,943.70	1,174.95	042.46	
December.....	248	42,329	2,778	4,980.40	1,239.05	804.82
January.....	28,145	3,384	1,092.30	1,104.58		
February.....	19,844	3,257	2,185.00	991.47	539.25	
March.....	21,002	8,624	2,523.00	1,046.36	724.03	
April.....	15,058	6,220	2,520.50	1,185.85	707.42	
May.....	12,528	10,629	1,813.15	930.12	594.17	
June.....	8,831	10,041	1,423.85	810.43	528.21	
Total.....	872	279,388	130,280	\$23,843.40	\$14,703.37	\$8,921.30

CONSOLIDATION OF INSPECTION BY MONTHS FROM JULY 1, 1891  
TO JULY 1, 1893.

MONTHS.	No. barrels oil re- jected.	No. barrels oil ap- proved.	No. barrels gaso- line rejected for illuminating pur- poses.	Amount of fees received.
July.....	1	10,030	10,491	\$1,838.45
August.....	1	12,785	10,942	1,825.70
September.....	25	22,412	7,475	2,648.45
October.....	372	22,516	8,941	1,810.85
November.....	10	24,512	2,319	2,568.15
December.....	11	31,502	3,845	3,301.45
January.....	290	27,471	2,780	2,925.85
February.....	108	22,102	3,007	2,425.45
March.....	215	2,719	2,719	2,568.65
April.....	197	11,757	7,148	1,536.00
May.....	5	12,155	7,004	1,551.40
June.....	1	9,200	9,067	1,538.00
July.....	4	8,404	13,316	1,498.20
August.....	111	15,032	11,729	2,152.05
September.....	190	19,411	10,134	2,434.75
October.....	57	21,204	8,159	2,568.65
November.....	29	20,665	5,902	3,943.70
December.....	242	42,329	2,778	4,980.40
January.....	28,145	3,384	1,092.30	2,992.50
February.....	19,844	3,257	2,185.00	2,125.65
March.....	21,002	8,624	2,523.00	2,605.00
April.....	15,058	6,220	2,520.50	2,520.50
May.....	12,528	10,629	1,813.15	1,813.15
June.....	8,831	10,041	1,423.85	1,423.85
Total.....	1,436	474,102	178,227	\$5,324.60

In my former report, made June 30, 1891, the first fifteen months of my term show inspection and expense as follows:

Number of barrels oil rejected.....	3,800
Number of barrels oil approved.....	338,007
Number of barrels gasoline rejected.....	94,542
Total amount of fees for same.....	\$ 27,030.80
Expense of Inspector's office, including supplies, stationery, postage, travel- ing expenses, salary and commission of deputies and helpers.....	22,441.06
Balance for fifteen months.....	4,513.14

The corresponding time for the term ending June 30, 1893, shows:

Number barrels oil rejected.....	402
Number barrels oil approved.....	379,306
Number barrels gasoline rejected.....	130,286
Total amount of fees for same.....	\$ 33,463.40
Expense of Inspector's office, including supplies, stationery, postage, travel- ing expenses, salary and commission of deputies and helpers.....	34,639.37
Balance for fifteen months.....	70,216.83

By this comparison it will be seen that the increase of receipts was \$6,150.90; the increase of expense was \$784.91.

During this latter period of fifteen months I have remitted to the Treasurer of State the following amounts:

For the month of April, 1892.....	\$ 326.51
For the month of May, 1892.....	144.22
For the month of June, 1892.....	261.65
For the month of July, 1892.....	171.01
For the month of August, 1892.....	320.94
For the month of September, 1892.....	966.57
For the month of October, 1892.....	1,526.26
For the month of November, 1892.....	2,264.18
For the month of December, 1892.....	1,131.85
For the month of January, 1893.....	904.32
For the month of February, 1893.....	749.71
For the month of March, 1893.....	427.53
For the month of April, 1893.....	198.46
For the month of May, 1893.....	85.21
For the month of June, 1893.....	
Total.....	\$10,216.83

This amount does not include one hundred dollars in dispute at the Des Moines station for which I have brought suit through the Attorney General of Iowa, and will be turned into the treasury if a favorable construction of the statute concerning the question be made by the court. Aside from this amount, the receipts of the State Treasury have been increased for the fifteen months, \$10,216.83. Deducting salary of Inspector, \$2,000 per year—\$2,500 for the fifteen months—leaving a net profit to the State from this department of \$7,716.83.

During the two years covered by this report, there has been but a single wilful violation of the law, few technical violations, no loss of life, and no explosion of kerosene oil in the State. This to me seems to be a satisfactory result of the work done by this department, and is largely due to the faithful efforts of the deputy inspectors, assisted by L. F. Andrews, assistant secretary of the State Board of Health, which I trust will meet your approval.

Very respectfully,

J. J. DUNN.

## OIL INSPECTORS'

## RULES AND REGULATIONS.

## THE INSTRUMENTS.

RULE 1. The instrument to be used in testing oil under the provisions of Chapter 185, Acts of the Twentieth General Assembly, as amended by Chapter 149, Laws of the Twenty-First General Assembly, shall be that made by EIMER & AMEND, New York, and shall have inscribed thereon the words: "Oil Tester, Iowa State Board of Health," and shall be constructed as shown in the following diagram:

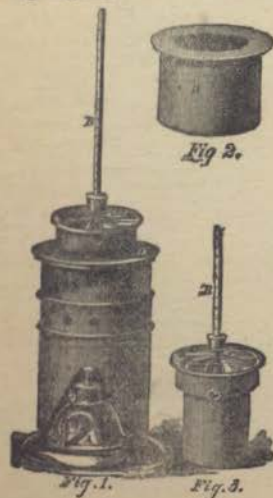


Fig. 1 represents the instrument entire. It consists of a sheet copper stand  $8\frac{1}{2}$  inches high, exclusive of the base, and  $4\frac{1}{2}$  inches in diameter. On one side is an aperture  $3\frac{1}{2}$  inches high for introducing a small spirit lamp, A, or better a small gas-burner, instead of a lamp, when gas is available.

The Water-bath, Fig. 2, is also of copper,  $4\frac{1}{2}$  inches in height, and four inches in diameter inside, provided with a flanged cover. The opening in the cover  $2\frac{1}{2}$  inches in diameter. The flange, which supports the bath in the cylindrical stand is one-fourth inch projection. The capacity of the bath is about 20 fluid ounces, which is indicated by a mark on the inside.

Fig. 3 represents the oil cup, which is also of copper. The section below the flange is  $3\frac{1}{2}$  inches high and  $2\frac{1}{2}$  inches in diameter. The section above the flange is 1 inch high, and  $3\frac{1}{2}$  inches in diameter, and serves as the vapor chamber. A small flange at the upper rim serves to hold the cover, which is of glass, in place.

To prevent reflection from the otherwise bright surface of the metal, the inside is blackened by forming a sulphide of ammonia. The capacity of the oil cup is about ten fluid ounces, when filled to within one-eighth of an inch of the flange, which joins the oil cup and the vapor chamber.

The cover of the oil cup, C, is of glass,  $3\frac{1}{2}$  inches in diameter; is perforated on one side with a circular opening, which is filled with a cork, through which passes the thermometer, B. On the rim is another oval opening three-fourths of an inch deep, and the same in width, through which is to be passed the flashing jet in testing. The glass cover is used instead of metal, that the operator may more readily note the exact point at which the flash occurs. A small gas jet one-fourth of an inch in length is best for igniting the vapor. Where gas cannot be had, a small waxed linen twine is the best, which can be easily prepared by dipping the twine in melted beeswax.

## THE FLASH TEST.

RULE 2. The test shall be made as follows:

Remove the oil cup, and fill the water bath, D, with cold water to the mark on the inside. Place the oil cup in the water bath, and fill it with oil to within one-eighth of an inch of the flange. Care must be taken that oil does not flow over the flange. Remove all air bubbles with a piece of dry, soft paper. Place the glass cover, C, on the oil cup and adjust the thermometer so that its bulb shall be entirely covered by the oil.

Fill the lamp with alcohol only for heating the water bath. Trim the wick carefully, and so adjust the flame that the degree of heating will not exceed two degrees per minute.

When the temperature of the oil has reached  $90^{\circ}$  Fahrenheit, the test should commence by inserting the torch, which should have a very small flame, into the oval opening in the glass cover, passing it in at such an angle as to have the flame about half way between the oil and the cover, and reaching near the center of the vapor chamber.

The motion should be steady and uniform, rapid and without



any pause. This must be repeated at every two degrees rise of the thermometer until one hundred degrees is reached, when the torch must be applied at each degree of temperature until one hundred and five degrees is reached. Great care must be exercised to secure accuracy at this point, and to this end the torch must be applied just before the temperature reaches the one hundred and five degree point. If no flash is shown at this point continue the test at each two degrees rise until the flashing point is reached, which is indicated by the appearance of a slight bluish flame on the surface of the oil. The *lowest point at which this vapor flame appears*, and a perceptible flash is produced, is to be designated as the flashing point. The temperature of the oil must be noted before the torch is applied. The flame of the torch must not touch the oil or come within one-fourth inch of its surface. Oil that flashes at one hundred and five degrees, or below that, must be rejected.

As cold oil will expand by heating, care must be taken that it does not rise so as to flow over or on the flange or shoulder of the oil cup. That part of the oil cup comprising the vapor chamber must be dry and entirely free from oil above the flange. All air bubbles must be removed from the surface of the oil; this can be done with ordinary blotting paper. The water-bath cup must be filled with cold water for each separate test, and the oil in the cup brought to a temperature of sixty to sixty-five degrees before the lamp is placed under the water-bath. The oil cup must be carefully and thoroughly wiped dry of oil from the previous test. The flame of the torch must not exceed one-eighth inch in length or size.

#### FOR TESTING THREE HUNDRED DEGREES.

**RULE 3.** The instrument to be used for testing oils which come under the provisions of section ten of the law, shall consist of the cylinder, shown in Fig. 1 of the diagram, the copper oil cup, shown in Fig. 3, the copper collar D, for suspending the oil cup in the cylinder, and an adjustable wire support for suspending the thermometer in the oil.

**RULE 4.** To ascertain the igniting and burning point, under section ten of the law, the test should be made as follows:

Fill the cup with the oil to be tested to within three-eighths of an inch of the flange joining the cup and the vapor chamber above. Care must be taken that oil does not flow over the flange, by expansion from heating. Place the cup in the cylinder, covered

with the collar, D. Adjust the wire support so that the thermometer bulb, when supported thereon, will be just covered by the oil, the bulb also being near the center of the cup. Place the lamp or gas jet under the cup. Adjust the flame so that the degree of heating will not exceed ten degrees each minute until 250° Fahrenheit is reached, when the rate must not exceed 5° a minute above that point. The torch to be used must be the same as described in Rule 1, for obtaining the flash point. Apply the torch lightly across and above the surface of the oil at each 5° rise in the temperature, until the oil ignites and burns. The lowest point at which the oil will ignite and burn is to be taken as the burning point, and no oil which burns at a temperature below 301° Fahrenheit must be approved for the purposes set forth in section ten of the law. When approved, the package, cask, barrel or vessel containing the oil from which the oil tested was taken, must be branded, "Approved, above 300° Fire Test," as provided in section one of the law. The actual point at which the oil burns must be branded on the barrel. If it burns at 300° or below that, it must be rejected. In this test the water bath cup and the glass cover are not used, the flame of the lamp being applied direct to the bottom of the oil cup.

## GENERAL RULES.\*

RULE 5. All instruments, testers and thermometers to be used by inspectors, must be procured from the office of the State Board of Health.

RULE 6. Inspectors must have all previous brands of tests, from packages, casks or barrels removed before affixing their brand thereon.

RULE 7. Brand No. 1 must be circular in form, not less than eight inches in diameter, outside measurement, with ample margin to protect the vessel or barrel from the stencil brush, and must contain the following words: "Approved, flash test..... degrees, Iowa." And, also the name of the inspector, date of inspection and degree of test. It must also be arranged for adjustable dates, and the degrees of test.

RULE 8. Brand No. 2 shall be square in form, not less than seven inches, outside measurement, without date, and must contain the following words in letters not less than three-fourths inches square: "Rejected for illuminating purposes..... inspector, Iowa." It must contain the name of the inspector. This brand shall be affixed to packages, casks or barrels containing gasoline, benzine and naptha.

Brand No. 3 shall be of like form and dimensions as brand No. 1, and shall contain the words: "For illuminating cars, Approved (or rejected as the case may be), ....degrees, Iowa..... 189.....Inspector." It shall have adjustable spaces for dates, degrees, and the words "approved" and "rejected." It must also contain the name of the inspector. No oil must be approved for illuminating cars that burns at a temperature below 301 degrees, Fah.

\*As amended and adopted by the State Board of Health, November 20, 1890, and approved by the Governor, November 21, 1890.

RULE 9. The inspector's brand must be placed on the package, cask or barrel with bright colors, in clear, distinct letters, and must be affixed by the inspector in person, or by some person under his personal supervision and who is not, directly nor indirectly, interested in the manufacture nor sale of any product of petroleum. No package, cask or barrel shall be branded previous to being filled with oil. The brand of an oil inspector is deemed to be his official signature, and must not be permitted to pass out of his custody or control.

RULE 10. Upon the inspection of oil by an inspector, the inspector shall deliver to the owner of the oil, or the person for whom the inspection was made, a certificate of inspection, which shall be in the following form:

(FRONT)		(PRESERVE THIS CERTIFICATE.)	
OIL INSPECTOR'S CERTIFICATE		RECEIVED OF .....	
(OPTIONAL)		\$ <u>100</u> .....	
Total Fees, \$ .....		100 .....	
No. barrels approved .....		DOLLARS .....	
No. barrels rejected .....		100 .....	
Total No. barrels @ .....		Barrels .....	
For whom inspected .....		as fees for the inspection of .....	
Date of inspection .....		ILLINOISATING OIL, under Chapter 16, Laws 1881, State of Iowa, as amended by Chapter 140, Laws of 1882.	
No. of Certificate .....		No. ....	
Dep. Inspector .....		Dep. Inspector .....	

(BACK)		REJECTED TEST	
APPROVED TEST		REJECTED TEST	
Brand of Oil .....		Brand of Oil .....	
Degrees .....		Degrees .....	

RULE 11. Where oil of different grades, or standards, is placed in receiving or storage tanks, an inspection must be made, and the actual standard obtained of oil from such tanks, after it is put into barrels for sale and use. There must be no average test, by taking an average of the different qualities or standards of oil before it is placed in such tanks. Where a number of barrels are filled consecutively from a tank, an inspection of one barrel would suffice for that particular lot of barrels, *provided*, no oil has been added to the tank during the process of filling the barrels. The barreling, testing and branding must constitute one transaction. There must be no lapse of time therein.

RULE 12. Oil received from jobbers is frequently of various standards, and the actual standard cannot be ascertained except by a separate test of each barrel. The statute plainly requires all oil to be inspected when in barrels, and that each barrel, cask, tank or vessel shall be inspected. There must be no average or cumulative tests. For instance: a sample of oil taken from five barrels of 102 degree oil and five barrels of 108 degree oil, would give a mixture that would, when tested, cause the whole ten barrels to be rejected, whereas five barrels, separately tested, would have to be approved.

RULE 13. The practice of jobbers in delivering oil to retail dealers without inspection is a direct violation of law. The delivery constitutes *prima facie* evidence of sale. A retail dealer receiving a lot of uninspected oil cannot justify himself for selling such oil on the ground that the jobber is responsible to the State for the violation of law. He should immediately notify the inspector that the oil is in his possession. Inspectors must exercise diligence to arraign offenders and stop the practice. They must, with strict impartiality, insist upon obedience to law in their respective districts.

RULE 14. Oil in transit must not be inspected outside of the district to which it is sent.

RULE 15. No deputy shall inspect oil that has been inspected by another deputy, unless so directed by the State Inspector.

RULE 16. In cases of dispute between an inspector and a dealer as to a test of oil, the question, together with a sample of the oil in dispute, must be sent to the office of the State Board of Health for adjudication.

RULE 17. The sample must be so marked as to be readily identified. Inspectors must regard their duties as inspectors paramount to all other duties, and upon notification, must perform them without delay.



RULE 18. If accidents occur from the use of illuminating oil, the inspector of the district wherein they occur, should ascertain all the facts and circumstances, and report them to the State Inspector, or to the State Board of Health, and if possible, procure and send by express to the State Board of Health, a sample of the oil causing the accident.

## DECISIONS OF THE ATTORNEY-GENERAL.

OFFICE OF THE STATE BOARD OF HEALTH, }  
DES MOINES, IOWA, July 1, 1884. }

S. McPHERSON, *Attorney-General*:

Notice is received at this office that deputy inspectors are disregarding entirely Rule 6 of the State Board of Health, requiring previous brands on barrels to be erased or canceled. This refers only to the words or figures "150° Fire test," or "175° Fire test"; or it may be the degree of test made by some inspector under the old law in this State.

The sole object of this rule is to protect the public against overbranding oil, that is, branding and selling oil at 175° to 150° fire test, when in fact it is but 120° or 130°, according to the Iowa legal standard. Oil that flashes at 100° will burn at 115° to 130°. In all tests made in this office with oil branded by the refiners at 150° fire test, the highest flash test was 110°, and the fire test was 130°. The public do not understand the relative difference between 100° flash test and 150° fire test; hence the desire of refiners to retain the brand of 150° fire test, as it enables them to sell oil at a high grade price when in fact it is only 130° fire test.

It was to prevent this overbranding and fraud upon the public that the law was made requiring the degree of test to be put upon the barrel, and the State Board only more fully carried out that object in Rule 6.

The question, therefore, is, had the State Board authority to make the rule?

Your opinion is requested at as early a moment as possible.

Yours truly,

R. J. FARQUHARSON, *Secretary*.

OFFICE OF THE ATTORNEY-GENERAL, }  
RED OAK, July 11, 1884. }

By section 2, chapter 135, Laws of Twentieth General Assembly, the State Board of Health is required to adopt rules and regulations as to the use of the oil tester. By section 14, the Board is to adopt the necessary rules for the inspection of oils, which would include the brand affixed, etc. Under these provisions, Rule 6, complained of, was adopted. I have no reason to say that it is illegal; and do not believe it is. It should be enforced.

S. McPHERSON,  
*Attorney-General*

OFFICE OF THE ATTORNEY-GENERAL,  
RED OAK, June 19, 1884.

In my opinion it is not an inspection of *all* oil to mix that from a number of barrels and take the test of the mixture, for the very reason it only shows the average.

S. McPHERSON,  
Attorney-General.

OFFICE OF ATTORNEY-GENERAL,  
CENTERVILLE, IOWA, Feb. 23, 1885.

BUREN B. SHERMAN, Governor:

I have the honor to acknowledge the receipt of your communication the 18th inst., in which you propounded to me the following questions, and solicit my official opinion in response thereto, viz:

1st. Whether or not the branding of oil by an Iowa inspector, at a uniform standard of 100° flash point, is in accordance with the object and intent of section 1, chapter 185, Laws of Twentieth General Assembly?

2d. Is it the intent and purpose of the statute, and the rules of the State Board of Health for the inspection of oils, that the inspector shall brand each barrel, cask or package with the number of degrees of *actual* flashing point which he finds the oil to be?

3d. Is it the purpose of the inspection to show the actual standard of all oil inspected, and not an average of that it is not below 100° F.?

Section 1, chapter 185, Laws of Twentieth General Assembly, directs the inspector to fix his brand or device, "*Approved flash test — degrees*" (inserting the number of degrees); or \* \* \* "*Rejected for illuminating purposes, flash test — degrees*" (inserting the number of degrees).

It would seem that the language is so plain that there could be no two constructions. If the only object had been to test the oils in order to see if they were above 100° flash test, then it would only have been necessary to require the inspector to brand, etc., with the word "*approved*."

It was clearly the intent and purpose of both the statute and the rules of the Board of Health to require the actual number of degrees of flash test to be plainly stamped on every barrel, cask or parcel inspected. If above 100° to mark it approved; if 100° or less, to mark it rejected for illuminating purposes.

The legislature evidently had two purposes in view in the enactment of the law:

1st. To protect consumers and the public against danger of fire, etc., from the use of inferior and unsafe oils.

2d. To protect consumers and dealers from imposition by selling to them inferior approved oils for superior approved oils.

If the oil emit a combustible vapor at a temperature of 100° standard Fahrenheit closed test, then under the law it is unfit for use. If it emit such combustible vapor at 101°, same test, then it is barely fit for use. Its relative safety, and consequently its relative value, will depend upon the degree above 100° at which it emits such combustible vapor, and it is to enable the purchaser to know just the quality of oil he is buying, and to thus encourage the manufacture of superior oils in point of safety, that the provision for making the actual test was made in law.

The neglect of an inspector to brand the true test on the casks inspected, is a misdemeanor, and subjects him to fine and imprisonment, provided in section 11 of the law, and under the provisions of section 12, would authorize his removal by the Governor.

I am, therefore, clearly of the opinion that it is the duty of the inspector to carefully note and correctly stamp, or brand, on each barrel, cask or package, the exact actual degree of the flash test, and that it is not a substantial compliance with the law to mark an *average* test, or that the oil is not below 100° F.

A. J. BAKER,  
Attorney-General.

OFFICE OF ATTORNEY-GENERAL,  
DES MOINES, March 13, 1885.

BUREN B. SHERMAN, Governor:

I have been somewhat tardy in answering your communication of the 2d inst., in relation to the inspection of coal oil, etc.

According to the best analysis I can make of the communication, I judge that the particular information you desire is, whether or not the State Inspector or his assistants are required to test oils in tanks, where several hundred barrels, for instance, are kept stored, and it is claimed to be for export out of the State.

If such oils are kept by the manufacturer, vendor or dealer, for the purpose of being offered for sale, whether to parties for export or otherwise, it is subject to inspection.

Section 1, chapter 185, Laws of 1884, provides as follows:

"It shall be the duty of such State Inspector, by himself or his deputies, \* \* \* to examine and test the quality of all such oils *offered for sale*," etc. There is no distinction made between that offered for sale for use within the State and that offered for sale for export. But this is to be construed in connection with the remainder of the section in such a way as to give effect and meaning to each and every part thereof.

Further on in said section it is provided that "it shall be lawful for the State Inspector, or his deputies, to enter into or upon the premises of any manufacturer, vendor or dealer of said oils, and if they shall find or discover any such oils *kept for illuminating purposes*, that has not been inspected and branded according to the provisions of this act, they shall proceed to inspect and brand the same."

If, then, the oil is kept for sale for illuminating purposes, whether for use within or without the State, the inspector should see that the same is inspected and branded as required by the said chapter 185. He has the right to inspect such oil in tanks, but having done so it becomes his further duty "to see and know that the identical oil inspected in such tank is placed in packages, barrels or casks upon which the brand or device herein provided for shall have been placed."

So I am of opinion that when the inspector finds oil in such tanks, which he has good reason to believe is kept there for the purpose of sale for illuminating purposes, he has the right to demand its inspection, and to see that it goes into barrels, packages, or casks properly branded with the true test.

A. J. BAKER,  
Attorney-General.



## STATE OF IOWA.

## CHAPTER 185—ACTS OF THE TWENTIETH GENERAL ASSEMBLY.\*

AN ACT to provide for the inspection and to regulate the sale of petroleum and its products and to repeal Chapter 172 of the Acts of the Seventeenth General Assembly, and Section 2303 of the Code, as amended by Chapter 149, Laws of Twenty-first General Assembly, as amended by Chapter 82, Laws of the Twenty-fourth General Assembly.

*Be it enacted by the General Assembly of the State of Iowa:*

SECTION 1. That the Governor, by and with the advice and consent of the Senate, shall appoint a suitable person, resident of the State, who is not interested in the manufacturing, dealing in, or vending any illuminating oils manufactured from petroleum, as State Inspector of Oils, whose term of office shall commence on the first day of April of each even numbered year, and continue for the term of two years and until his successor is appointed and qualified. It shall be the duty of such State Inspector, by himself or his deputies, hereinafter provided for, to examine and test the quality of all such oils offered for sale by any manufacturer, vendor, or dealer; and if upon all such testing or examination the oils shall meet the requirements hereinafter specified, he shall fix his brand or device. "*Approved flash test—degrees*" (inserting the number of degrees), with the date over his official signature, upon the package, barrel or cask containing the same. And it shall be lawful for the State Inspector, or his deputies, to enter into or upon the premises of any manufacturer, vendor or dealer of said oils, and if they shall find or discover any kerosene oil, or any other product of petroleum kept for illuminating purposes, that has not been inspected and branded according to the provisions of this act, they shall proceed to inspect and brand the same. It shall be lawful for any manufacturer, vendor or dealer to sell the oil so tested and approved as an illuminator, but if the oil or other product of petroleum so tested shall not meet said requirements, he shall mark in plain letters on said package, barrel or cask, over his official signature, the words: "*Rejected for illuminating purposes, flash test—degrees*" (inserting the number of degrees). And it shall be unlawful for the owner thereof to sell such oil or other product of petroleum for illuminating purposes. And if any person shall sell or offer for sale any of such rejected oil or other product of petroleum for such purpose he shall be deemed guilty of a misdemeanor, and, upon conviction thereof, shall be subject to a penalty not exceeding three hundred dollars.

SEC. 2. The State Inspector provided for in this act is authorized to appoint [such number of deputies as shall be approved by the State Board of Health,] which deputies are empowered to perform the duties of inspection, and shall be liable to the same penalties as the State Inspector; provided, that the State Inspector may remove any of said deputies for reasonable cause. It shall be the duty of the Inspector and his deputies to provide themselves at [a reasonable] expense with the necessary instruments and apparatus for testing the quality of said illuminating oils, and when called upon for that purpose to promptly inspect all oils heretofore mentioned, and to reject for illuminating purposes all oils which will emit a combustible vapor at a temperature of one hundred and five degrees standard Fahrenheit ther-

moneter, closed test, provided the quantity of oil used in the flash test shall not be less than one-half pint. The oil tester adopted and recommended by the Iowa State Board of Health shall be used by the Inspector and his deputies in all tests made by them. And said board shall prepare rules and regulations as to the manner of inspection, which rules and regulations shall be in effect and binding upon the Inspector and deputies appointed under this act.

SEC. 3. The State Inspector before he enters upon the discharge of the duties of his office shall take the oath of affirmation provided by law, and file the same in the office of the Secretary of State, and execute a bond to the State of Iowa in a penal sum not less than twenty thousand dollars with sureties thereto, to be approved by the Secretary of State, who shall justify as provided by law, and in addition thereto state under oath that they are not interested, directly or indirectly, in manufacturing, dealing in, or vending any illuminating oils manufactured from petroleum; such bond to be conditioned for the faithful performance of the duties imposed upon him by this act, and which shall be for the use of all persons aggrieved by the acts of said Inspector, or his deputies, and the same shall be filed with the Secretary of State. Every deputy inspector shall take a like oath of affirmation prescribed herein for the State Inspector, and execute to the State a bond in the penal sum of five thousand dollars with like conditions and for like purposes, and with sureties thereto who shall justify and have like qualifications as herein provided for the sureties for State Inspector and such sureties shall be approved by the Clerk of the District Court of the county in which such deputy inspector resides, and said bond and oath shall be filed in the office of such clerk and such deputy inspector shall before entering upon the discharge of his duties forward said clerk's certificate of such filing to the Secretary of State to be placed on file.

SEC. 4. All inspections herein provided for shall be made in the State of Iowa, and the Inspector and deputy inspectors shall be entitled to demand and receive from the owner or party calling on him or for whom he shall perform the inspection the sum of ten cents per barrel, and for the purposes of this act, a barrel shall be deemed fifty-five gallons (and shall be paid into the State Treasury except as provided in sections two and three of this act,\*\*) by the State Oil Inspector by the fifteenth day of each month for the calendar month preceding.

[SEC. 5. That the state oil inspector shall, from and after the 1st day of April, 1893, be paid a salary out of the state treasury of two thousand dollars per annum, which shall be paid to him in monthly installments at the end of each month; and the auditor of state shall issue his warrant therefor: *Provided*, the state inspector shall be permitted to charge and receive such further sum as he actually and necessarily expends in traveling, for instruments and apparatus, for prosecutions incurred in discharge of his official duty, and for necessary help in stenciling or marking barrels, casks or packages.]

SEC. 6. Each deputy inspector shall collect all fees and commissions, now or hereafter provided by law for inspecting products of petroleum, earned by him, and each deputy inspector may retain for his services actually rendered all fees and commissions earned by him until the same amount to fifty dollars per month, also twenty-five per cent thereafter: *provided*, that no deputy inspector shall be allowed or receive, as salary, fees or commissions exceeding one hundred dollars per month; and, *provided further*, each deputy inspector shall be permitted to charge and receive such further sum as he actually and necessarily expends in traveling, for instruments and apparatus, for prosecutions incurred in discharge of his official duty and for necessary help in stenciling or marking barrels, casks or packages, the same to be paid by the state inspector.

SEC. 7. That the state inspector and each of his deputies be required to keep an accurate account of his own actual expenses; and that each deputy inspector be required to report an itemized bill, verified by oath, of his actual expenses to the state inspector at the beginning of each month for the calendar month preceding; and the state inspector to report an itemized bill, verified by oath, of the actual expenses and receipts of himself and deputies by the fifteenth day of each month, for the preceding calendar month, to the executive council, the same to be audited and approved by said council.]

SEC. 8. It shall be the duty of the State Inspector and every deputy inspector to keep a true and accurate record of all oils so inspected and branded by him, which record shall state the date of inspection, the number of gallons rejected, the number of gallons approved, the number of gallons inspected, the number and kind of barrels, casks or packages, the name of the person for whom inspected and the amount of money received for each inspection, and such record shall be open to the inspection of all persons interested; and every deputy inspector shall return a true copy of such record [together with all fees collected by him, except as provided in section three of this act,\*\*] at the beginning of each month to the State Inspector. It shall be the duty of the State Inspector to make and deliver to the Governor for the fiscal

\*This law is hereby given as amended by the Twenty-fourth General Assembly, and as it is in force at the present time, June 30, 1893.



period ending the thirtieth day of June, 1880, and every two years thereafter a report of the inspections made by himself and deputies for such period, containing the information and items required in this act to be made of record, and the same shall be laid before the General Assembly.

Sec. 6. If any person or persons, whether manufacturer, vendor [or] or dealer shall sell or attempt to sell to any person in this State any illuminating oil, the product of petroleum, whether manufactured in this State or not, which has not been inspected as provided for in this act, he shall be deemed guilty of a misdemeanor and subject to a penalty in any sum not exceeding three hundred dollars, and if any manufacturer, vendor or dealer in either or any of said illuminating oils shall falsely brand the package, cask or barrel containing the same, as provided in this act, or shall refill packages, casks or barrels having the inspector's brand thereon, without erasing such brand, having the oil inspected, and such package, cask or barrel rebranded, he shall be deemed guilty of a misdemeanor, and shall be subject to a penalty not exceeding three hundred dollars, or be imprisoned in the county jail not exceeding six months or both in the discretion of the court.

Sec. 7. Any person selling or dealing in illuminating oil produced from petroleum who shall purchase, sell or dispose of any empty kerosene barrel, cask or package, before thoroughly cancelling, removing or effacing the inspection brand on the same, shall be guilty of a misdemeanor, and, on conviction thereof, shall pay a fine of one dollar for each barrel, cask or package thus sold or disposed of; and any person who shall knowingly use any illuminating oil, the product of petroleum, for illuminating purposes, before the same has been approved by the State Inspector of Oils, or his deputy, shall be guilty of a misdemeanor, and, on conviction thereof, shall pay a fine in any sum not exceeding ten dollars, for each offense.

Sec. 8. No person shall adulterate with paraffine or other substance, for the purpose of sale or for use, any coal or kerosene oil to be used for lights, in such a manner as to render them dangerous to use; nor shall any person knowingly sell or offer for sale, or knowingly use any coal or kerosene oil, or any product of petroleum, for illuminating purposes, which, by reason of being adulterated, or for any other reason, will emit a combustible vapor at a temperature less than 100 degrees of standard Fahrenheit's thermometer, tested as provided in this act; provided, that the gas or vapor from said oils may be used for illuminating purposes when the oils from which said gas or vapor is generated are contained in closed inclosures outside the building illuminated or lighted by said gas. Any person violating the provisions of this section shall be deemed guilty of a misdemeanor, and shall, upon conviction thereof, be punished by imprisonment in the county jail not more than one year, or by fine not exceeding \$500, or by both such fine and imprisonment, in the discretion of the court; provided, further, that nothing in this act shall be so construed as to prevent the sale for and use in street lamps of lighter products of petroleum, such as gasoline, benzine, kerosene, naphtha, or to prevent the use of machines as generators constructed on the principle of the "Devy safety lamp."

Sec. 9. It shall be the duty of the State Inspector, and of any deputy inspector, who shall know of the violation of any of the provisions of this act, to prosecute before a court of competent jurisdiction any person so offending. And in case the State Inspector, or any deputy inspector, having knowledge of the violation of the provisions of this act, shall neglect to prosecute as required herein, he shall be deemed guilty of a misdemeanor and punished accordingly, and, upon conviction, shall be removed from office.

Sec. 10. No oil, nor fluid, whether composed wholly or in part of petroleum or its products, or of other substance or material, which will ignite and burn at a temperature of 200 degrees on the standard Fahrenheit thermometer, open test, shall be carried as freight, nor shall the same be burned in any lamp, or vessel, or stationary fixture of any kind, in any passenger, baggage, mail or express car on any railroad, nor on any passenger boat moved by steam power, nor in any street railway car, stage coach, omnibus or other public conveyance in which passengers are carried, within this State. Any violation of the provisions of this section shall be deemed a misdemeanor, and the offender shall, on conviction thereof, be fined not less than one hundred dollars, nor more than one thousand dollars, and shall be liable for all damages resulting therefrom.

Sec. 11. If any inspector or deputy shall falsely brand or mark any barrel, cask or package, or be guilty of any fraud, deceit, misbrand or culpable negligence in the discharge of his official duties, or shall deal in, or have any pecuniary interest, directly or indirectly, in any oil or fluids used or sold for illuminating purposes while holding such office, he shall be deemed guilty of a misdemeanor, and upon conviction thereof, shall be fined not exceeding one hundred dollars, or imprisoned not exceeding thirty days, and be liable to the party injured for all damages resulting therefrom.

\*\* Chapter 82, Acts of the Twenty-fourth General Assembly.

Sec. 12. It shall be the duty of the Governor to remove from office, and to appoint a competent person in the place of, any inspector who is unfaithful in the duty of his office.

Sec. 13. Any person who shall knowingly or negligently sell or cause to be sold any of the oils mentioned in this act for illuminating purposes, except for the purposes herein authorized, which are below the standard and test required in this act, shall be liable to any one purchasing said oil, or to any person injured thereby for all damages resulting from any explosion of said oil.

Sec. 14. Within sixty days after the passage of this act the State Board of Health shall make and provide the necessary rules and regulations for the inspection of illuminating oil, and for the government of the inspector and deputy inspectors provided for in this act, and as contemplated by the provisions of this act, which shall be approved by the Governor of the State, and when so approved shall be furnished by said Board to the inspector and his deputies. When written complaint shall be presented to the Governor charging the inspector or any deputy with a failure or refusal to comply with or carry out said rules and regulations, or any provision of this act, he shall investigate such charge, and if well founded and sustained, the person against whom such charges were made shall be removed from office by the Governor without delay. Said rules and regulations may be changed, or modified by said Board, subject to approval of the Governor, not oftener than once a year.

Sec. 15. Chapter 172 of the acts of the Seventeenth General Assembly, and section 2803 of the Code, are hereby repealed.

STATE INSPECTOR.

J. J. DUNN.....DUNQUE

DEPUTY INSPECTORS.

BRAD. HOPKINS.....DUNQUE  
JNO. M. KENNEY.....KEOSAU  
W. G. MERCER.....BURLINGTON  
WM. BRUHN.....DAVENPORT  
M. P. HEALY.....CEDAR RAPIDS  
E. C. FRENCH.....OTTUMWA  
I. VAN METRE.....WATERLOO  
GEO. W. HYATT.....FORT DODGE  
FRANK BRADLEY.....DES MOINES  
ED. L. GARDNER.....KNOXVILLE  
FRANK S. WIDL.....MARSHALLTOWN  
E. BOSCH.....COUNCIL BLUFFS  
C. K. SMITH.....STOCK CITY  
L. A. ALLEN.....IOWA CITY

PROCEEDINGS

OF THE

NINETEENTH ANNUAL MEETING

OF THE

IOWA STATE

IMPROVED STOCK-BREEDERS' ASSOCIATION

HELD AT

HUMBOLDT, DECEMBER 7, 8 AND 9, 1892.

OFFICERS:

President—C. S. BARELAY, West Liberty. Vice-Presidents—W. P. YOUNG, Mt. Pleasant;  
C. W. NORTON, Davenport; H. H. KELLY, Vinton; L. M. VAN AUSEN, Mason City;  
A. V. STOUT, Packerburg; J. C. FRASIER, Bloomfield; CAPT. W. R.  
JORDAN, Des Moines; HON. W. O. MITCHELL, Corns; H. C. WALLACE, Ames; HON. L. S. CUYLER, Fort  
Dodge; HON. H. C. WHEELER, Osceola.  
Secretary and Treasurer—GEORGE W. FRANKLIN, Atlantic.  
[Reported by H. O. BRUNSTON, Atlantic.]

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