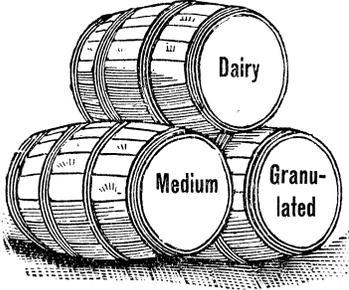


42nd Annual Report
--OF THE--
INSPECTOR OF SALT
--OF THE--
State of Michigan
--FOR THE--
YEAR ENDING NOVEMBER 30th, 1910



BY AUTHORITY

Temple Emery, State Inspector of Salt, Bay City, Mich.
42ND ANNUAL REPORT OF THE STATE INSPECTOR OF
SALT OF MICHIGAN.

Office of the State Inspector of Salt,
Bay City, Michigan, November 30th, 1910.

TO HIS EXCELLENCY, FRED M. WARNER,
Governor of the State of Michigan:

Sir—I have the honor to submit this, the forty-second annual report of the operations of the State Salt Inspection law, for the year ending November 30th, 1910.

The law requires that the report shall contain:

First, the number of districts into which the salt producing territory of the State is divided, with the name and locality of each, and the number and capacity of the works in each district.

Second, the quality and quantity of salt inspected in each district the past year.

Third, the amount of money received and the expenses incurred.

SALT PRODUCING DISTRICTS.

The salt producing territory of the State is divided into six districts:

District No. 1, Saginaw County, John W. Clark, Deputy Inspector, has nine salt plants with \$400,000 invested, with a capacity of 500,000 barrels per year, 24 wells and 26 coopers. 37 grainers and employes 59 men in the manufacture of salt. It has nine steam blocks, with 37 grainers, with 8 steam blocks and 36 grainers in commission (exhaust steam is used in the manufacture).

District No. 2, Bay County, Patrick Gibbons, Deputy Inspector, has three salt companies, and employes 44 men in the manufacture of salt. Number of wells in commission, 29, with a depth ranging from 950 feet to 1,050 feet. It has three steam blocks in commission, with 14 grainers, 2 vacuum pans, all in operation. These plants run the year through.

District No. 3, St. Clair County, T. J. Wreath, Deputy Inspector, has 7 steam plants, with 46 grainers, 9 vacuum pans, 20 wells, employing 587 men and boys when in active operation. Annual capacity 1,700,000 barrels. Estimated capital: \$600,000. This district produces a large amount of dairy salt of excellent quality as well as manufacturing the coarser grades. These blocks are all using live steam and improved machinery. Future of manufacturing is good.

The Sicken Salt and Stave Co. plant was destroyed by fire November 2, 1910.

District No. 4, Manistee County, W. H. Abbs and W. H. Stott, Deputy Inspectors, has six steam blocks, with 75 grainers, 6 vacuum pans, employing 619 men and boys. Estimated capital \$550,000, with twenty wells in active operation, having an average depth of 2,000 feet. Capacity of 3,000,000 barrels per annum. The future of the manufacture depends largely upon the lumber industry, as salt is now manufactured by exhaust steam and refuse from the saw mills. Many of the manufacturers are now using some coal. It is expected that most of these plants will manufacture the coming winter.

District No. 5, Mason County, Ole Aspland, Deputy Inspector, has three salt companies, with three salt blocks, eight vacuum pans and 22 grainers, it wells ranging in depth from 2,240 feet to 2,284 feet, all in good condition; are employing 160 men in the salt blocks, 63 coopers, and have a capacity of 1,650,000 barrels per annum. Estimated capital \$300,000. These blocks are using exhaust steam and refuse from the saw mills and some coal. Future prospects good.

District No. 6, Wayne County, William O'Keefe, Deputy Inspector, has 7 salt companies in active operation, with 33 grainers, 13 vacuum pans, 8 open pans and 23 wells, ranging in depth from 1,100 feet to 1,600 feet. Total capacity 2,000,000 barrels per annum and employ 465 men. These blocks are using live steam.

RESUME.

I herewith submit my annual report covering the forty-second year of the salt industry of the State of Michigan. Of the changes which have taken place during the year, the following may be noted.

The Saginaw Glass Co., of Saginaw, have added two more grainers and are making chemicals in addition to their salt output. The North American Chemical Co., of Bay City, have been making some changes in their machinery which has been the cause of the decrease in their output.

The improvements on the Kern property have not yet, materialized, but the prospects look bright for something being done on this property during the coming year. A new salt block at a cost of upwards of one hundred and seventy-five thousand dollars, has been built by the Diamond Crystal Salt Co.

In November last, fire destroyed the Sicken Salt and Stave Co.'s block and the report is that the plant will, not be rebuilt. Te State Lumber Co. have closed their business, having sold their saw mill and salt block to the Buckley and Douglas Lumber Co. and the business is to be known as the Buckley and Douglass Block No. 2. The Stearns Salt and Lumber Co. have added a vacuum pan which has been in operation since October the fifteenth and which has a capacity of 1,500 barrels a day. They have also built a block with four new style pans and are drilling another well. The Butters Salt and Lumber Co.'s block which burned in July will not be rebuilt. During the year there have been no complaints in regard to inspection and weights.

TEMPLE EMERY,
State Salt Inspector.

1883.....	2,894,672
1884.....	3,161,806
1885.....	3,297,403
1886.....	3,667,257
1887.....	3,944,309
1888.....	3,866,288
1889.....	3,846,979
1890.....	2,838,637
1891.....	2,927,671
1892.....	3,312,054
1893.....	3,514,485
1894.....	3,138,941
1895.....	3,529,362
1896.....	3,336,242
1897.....	3,622,764
1898.....	4,171,916
1899.....	4,732,669
1900.....	4,738,085
1901.....	5,580,101
1902.....	4,994,245
1903.....	4,387,982
1904.....	5,390,812
1905.....	5,671,253
1906.....	5,644,559
1907.....	6,298,463
1908.....	6,247,073
1909.....	6,055,661
1910.....	5,597,276

143,949,010

The total of salt which Michigan has produced to date 147,231,691

RECEIPTS.

Balance on hand Dec. 1, 1909	\$1,293.39	
Fees collected on 5,597,276 barrels of salt at 3 mills per barrel.....	\$16,791.82	
Less reduction on table salt	2,241.10	14,550.72
Total		\$15,844 11

EXPENDITURES.

Salary, State Salt Inspector ..	\$1,500.00	
Salary, Deputy Salt Inspectors	8,250.00	
Expenses, travelling, telegraph, telephone, office, etc.	653.14	10,403.14
Total		\$ 5,440.97

REBATE.

Number barrels inspected in 1910, less rebate on part of table salt	4,850,260	
Rebate on 4,850,260 barrols of salt at .0001 per barrel....	\$4,850.26	
Amount on hand December, 1910		590.71