

2. Products: Give the total value or price at the furnace and account for all products manufactured during the year, including by-products. Separately report the quantity and value of the products, as indicated. If there are products other than those enumerated their total value should be reported under "All other products." Where pig iron is consumed by the establishment by which it is made, the value reported must be based upon the average value of pig iron for that vicinity, or upon the cost of production plus a percentage of profit on the blast furnace operations.

The total value of products in this schedule must agree with the total in the General Schedule.

KIND.	QUANTITY (Tons of 2,240 pounds).	VALUE.
Coke and bituminous coal pig iron		\$
Mixed anthracite coal and coke pig iron		\$
Anthracite pig iron		\$
Charcoal pig iron	14,198	\$ 203,031.40
Mixed charcoal and coke pig iron		\$
Castings produced direct from furnace, not included above		\$
Spiegeleisen and ferromanganese, not included above		\$
All other products, including castings made in foundries, granulated slag, cement from furnace slag, slag sold for ballast, etc		\$
Amount received for custom work and repairing		\$
TOTAL		\$ 203,031.40

How much of the pig iron, spiegeleisen, ferromanganese, etc., reported above was for consumption in rolling

mills, steel works, foundries, etc., controlled by your company Tons Value, \$

3. Production of pig iron, by grades:

GRADE.	QUANTITY (Tons of 2,240 pounds).	VALUE.
Bessemer pig iron (from 0.04 to 0.10 per cent in phosphorus)		\$
Low phosphorus pig iron (below 0.04 per cent in phosphorus)		\$
Malleable Bessemer pig iron		\$
Basic pig iron		\$
Foundry pig iron		\$
Forge pig iron		\$
White and mottled and miscellaneous grades of pig iron, and direct castings		\$
Spiegeleisen		\$
Ferromanganese		\$
Ferrosilicon (7 per cent and over in silicon)		\$
Charcoal Pig Iron	14,198	\$ 203,031.40
.....		\$

4. How much of your total production of pig iron in 1904 was "sand" cast Tons 14,198

How much of your total production of pig iron in 1904 was "machine" cast Tons

How much was delivered to Bessemer converters, open hearth furnaces, cupolas, etc., in a molten condition Tons

5. Furnaces completed, under construction, idle, etc.:

Number of completed blast furnace stacks (alternate stacks to be counted as two furnaces) one

Daily capacity of each stack, in gross tons of 2,240 pounds 175 tons

Number of blast furnace stacks completed during the year _____

Daily capacity of each stack, in gross tons of 2,240 pounds _____

Number of blast furnace stacks in course of construction _____

Estimated daily capacity of each stack, in gross tons of 2,240 pounds _____

Number of blast furnace stacks (alternate stacks to be counted as two furnaces) *idle during the entire year* _____

Daily capacity of each stack, in gross tons of 2,240 pounds _____

Number of blast furnace stacks dismantled or abandoned during the year _____

Daily capacity of each stack, in gross tons of 2,240 pounds _____

GRANULATED SLAG PITS:

Number of granulated slag pits connected with blast furnaces _____

Annual capacity of these pits, in gross tons, of granulated slag _____

State the purposes to which the granulated slag made is adapted _____

CEMENT FROM BLAST FURNACE SLAG:

Do you manufacture cement from blast furnace slag? No

If so, give the number, location, and annual capacity, in barrels of 200 pounds, of each plant—

Number _____ Location and capacity _____

LONGEST BLASTS:

Greatest number of days that any one of your furnaces has been in continuous blast (do not consider furnaces out of blast when banked) 1772

Number of gross tons of pig iron made by the furnace during this period 176062 tons

Number of times the furnace was banked during the period 5

Number of days lost by being banked 241 days

CERTIFICATE.

THIS IS TO CERTIFY that the information contained in this schedule is complete and correct to the best of my knowledge and belief, and covers the period from Dec 1st, 1903, to Dec 1st, 1904.

(Signature of the person furnishing the information.)

(Signature of Special Agent.)

CERTIFICATE

This is to certify that the information contained in the schedule is complete and correct to the best of the witness' knowledge and covers the period from 1900 to 1900

1900

1900

Witnessed and signed by me this 1st day of January 1900

Witnessed and signed by me this 1st day of January 1900

1900

DEPARTMENT OF COMMERCE AND LABOR

[E 96-165]

BUREAU OF THE CENSUS

CENSUS OF MANUFACTURES, 1905

GENERAL SCHEDULE

Name of establishment Pioneer Iron Co. No 2 - Pig Iron

Name of corporation, firm, or individual owner Pioneer Iron Company

Location of factory: { State Michigan County Marquette
 City or town Marquette Street and No. _____
 Post office Marquette

General office at Cleveland, Ohio, 2nd Floor Mercantile Bldg

(Manufacturing establishments operated by the same corporation, firm, or individual, and located in different counties, cities, or towns, must be separately reported.)

WASHINGTON, D. C., January 3, 1905.

Under the Act of Congress approved March 6, 1902, the Bureau of the Census is charged with the duty of making a collection of the statistics of manufactures in the year 1905. The nature of the statistics and the method of collecting them are regulated by the provisions of this Act and of the Act of March 3, 1899.

The canvass is to be made under the supervision of W. M. Steuart, Chief Statistician for Manufactures.

The information returned on this schedule should cover the business year of the establishment most nearly conforming to the year ending December 31, 1904.

All answers will be held absolutely confidential. No publication will be made in the Census reports disclosing the names or operations of individual establishments in any particular, and the information will be used only for the statistical purposes for which it was given.

If mining or other business is carried on in connection with manufacturing, the capital, employees, wages, expenses, products, etc., reported must pertain only to manufacturing.



Director of the Census.

Extract from Act of Congress, March 3, 1899:

SECTION 22.— * * * "And every president, treasurer, secretary, director, agent, or other officer of every corporation, and every establishment of productive industry, whether conducted as a corporate body, limited liability company, or by private individuals, from which answers to any of the schedules, inquiries, or statistical interrogatories provided for by this act are herein required, who shall, if thereto requested by the Director, supervisor, enumerator, or special agent, willfully neglect or refuse to give true and complete answers to any inquiries authorized by this act, or shall willfully give false information, shall be guilty of a misdemeanor, and upon conviction thereof shall be fined not exceeding ten thousand dollars, to which may be added imprisonment for a period not exceeding one year."

CERTIFICATE.

THIS IS TO CERTIFY that the information contained in this schedule is complete and correct to the best of my knowledge and belief, and covers the period from Dec 1st, 1903, to Dec 1st, 1904

(Signature of Special Agent.)

(Signature of the person furnishing the information.)

All entries must be made clearly and neatly in ink. Amounts and values must be obtained from book accounts, if such accounts are available. Each question is to be answered. If any question is found not applicable and no amounts are reported, write the word "None." Do not duplicate any item of expense.

1. Character of organization: Designate the form of organization, as it existed on the last day of the period covered by the report, whether individual, firm, limited partnership, cooperative association, incorporated company, or some other form.

Incorporated Company

2. Character of industry: Specify the kind of goods manufactured, as, for example, cut nails, chairs, leather belting, men's clothing; or the kind of work done, as, for example, job printing, machine shop work. Return with the schedule a card or other printed matter describing the business.

Hand Altered, Formaldelude & Gray Dental Office

3. Capital invested—owned and borrowed: The answer must show the total amount of capital, both owned and borrowed. All the items of fixed and live capital may be taken at the amounts carried on the books. If land or buildings are rented, that fact should be stated and no value given. If a part of the land or buildings is owned, the remainder being rented, the fact should be stated, and only the value of the owned property given. The value of all items of live capital, bills receivable, unsettled ledger accounts, materials on hand, stock in process of manufacture, finished products and cash on hand, etc., should be given as of the last day of the business year reported.

Land	\$	
Buildings	\$	199,500.00
Machinery, tools, and implements	\$	
Bills receivable, unsettled ledger accounts, raw materials, stock in process of manufacture, finished products and cash on hand, and other sundries	\$	13,985.13
TOTAL CAPITAL	\$	213,485.13

4. Proprietors and firm members: Men, number Women, number
Give the number of proprietors and firm members, including both active and silent partners. Do not include stockholders of corporations.

5. Salaried employees:

	Number.	Total amount paid in salaries during the year.
Salaried officers of corporations		\$ None
Superintendents, managers, foremen, clerks, and other salaried employees:		
Men	3	\$ 4294.46
Women		\$
TOTAL	3	\$ 4294.46

6. Wage-earners, including pieceworkers: Do not include salaried employees reported above.

	Greatest number employed at any one time during the year.	Least number employed at any one time during the year.	Total amount paid in wages during the year.
Men 16 years and over	67	57	\$ 42784.49
Women 16 years and over	-	-	\$
Children under 16 years	-	-	\$
TOTAL	67	57	\$ 42784.49

Salaries and wages should include board or rent furnished as part compensation. Foremen receiving wages and performing work similar to that of the men over whom they have charge are to be reported as wage-earners. If books do not show the separate amount of wages paid to men, women, and children, apportion the total wages for the year upon the basis of an average pay roll. Amounts paid for contract work, if not done by the regular employees, must not be included here, but reported in answer to Inquiry 8.

7. Average number of wage-earners, including pieceworkers, employed during each month: Do not include proprietors and firm members, or salaried officers, superintendents, managers, foremen, or clerks.

MONTH.	Men 16 years and over.	Women 16 years and over.	Children under 16 years.	MONTH.	Men 16 years and over.	Women 16 years and over.	Children under 16 years.
January	58	None	None	July	64	None	None
February	60	.	.	August	65	.	.
March	66	.	.	September	65	.	.
April	67	.	.	October	64	.	.
May	67	.	.	November	60	.	.
June	65	.	.	December	57	.	.

All entries must be made clearly and neatly in ink. Amounts and values must be obtained from book accounts, if such accounts are available. Each question is to be answered. If any question is found not applicable and no amounts are reported, write the word "None." Do not duplicate any item of expense.

8. Miscellaneous expenses: All items of expense incident to the business not accounted for under Inquiries 5, 6, and 9 must be reported here.

ITEM.	AMOUNT.
Amount paid for rent of factory or works, if any	\$ None
Amount paid for rent of power and heat	\$ None
Amount paid for taxes, not including internal revenue	\$ 4846.61
Amount paid for rent of offices and buildings, other than the factory or works, and for interest, insurance, internal revenue tax, ordinary repairs of buildings and machinery, advertising, traveling expenses, and all other sundry expenses not reported under the head of materials	\$ 11782.18
TOTAL MISCELLANEOUS EXPENSES	\$ 16629.79
Amount paid, if any, for contract work	\$ 1758.01

9. Materials used: The cost of all materials used during the year must be reported. If the establishment pays freight on any of the materials used, and the amount is not included in their cost, report the amount of this freight under "Amount of freight, if any, paid on the above."

KIND.	COST.
<i>Used in raw state:</i> Give the name and the cost of such materials as raw cotton, iron ore, etc., that have undergone no process of manufacture.	
Wood	\$ 170,848.49
<i>Used in partially manufactured form:</i> Include materials that have passed through some process of manufacture, such as pig iron, steel, leather, etc. Give the name and cost of the principal articles.	
Fuel	\$ 5965.04
Mill supplies: Give the cost of lubricants, waste, and other supplies consumed in the running of machinery	\$ 1648.91
All other materials	\$ 26,073.27
TOTAL COST OF ALL MATERIALS	\$ 196,929.31
Amount of freight, if any, paid on the above, not included in the "Cost"	\$ 204,541.26
	\$ 468,744.57

10. Products: Give the total value or price at the factory or works and account for all products manufactured during the year, including by-products. The principal products should be separately enumerated and the total value given for each. If there are products other than those for which separate values can be given, they should be enumerated so far as possible and their total value reported under "All other products." The amount received for odd jobs must be given as "custom work and repairing."

KIND.	VALUE.
311442 Gal. Red Lead Alcohol	\$ 167,283.90
70659 Lbs. Formaldehyde	\$ 5,744.58
3643355 Bu. Charcoal	\$ 249,053.47
289820 Lbs. Gray Acetate of Lime	\$ 3,149.04
All other products	\$
Amount received for custom work and repairing	\$
TOTAL VALUE OF ALL PRODUCTS	\$ 425,230.99

11. Classified earnings of wage-earners, including pieceworkers, for the week during which the largest number of persons was employed: For week ending Nov. 14, 1904, 1904. Distribute employees according to actual earnings (not rates) for one week only. If period of payment includes two weeks, or any time other than one week, reduce the pay roll to a weekly basis before entering the figures for this inquiry. Do not include proprietors, firm members, officials, superintendents, managers, foremen, or clerks.

EARNINGS PER WEEK.	TOTAL.	MEN 16 YEARS AND OVER, NUMBER.	WOMEN 16 YEARS AND OVER, NUMBER.	CHILDREN UNDER 16 YEARS, NUMBER.
Under \$3 per week				
\$3 and over, but under \$4				
\$4 and over, but under \$5				
\$5 and over, but under \$6				
\$6 and over, but under \$7				
\$7 and over, but under \$8				
\$8 and over, but under \$9				
\$9 and over, but under \$10	4 36.70	✓		
\$10 and over, but under \$12	8 92.40	8		
\$12 and over, but under \$15	44 595.25	✓✓		
\$15 and over, but under \$20	10 168.90	10		
\$20 and over, but under \$25	1 22.50	1		
\$25 and over				
TOTAL NUMBER	67	67		
TOTAL WAGES FOR THE WEEK	\$ 915.25	\$ 915.25	\$	\$

12. Time the factory was in operation:

Number of days in operation during the year 354
 Number of hours per day (under normal conditions) 24
 Number of hours per week (under normal conditions) 168
 Extra time during the year, total number of hours

13. Power:

CLASS.	NUMBER.	TOTAL HORSEPOWER.
a. POWER OWNED—		
Engines: Steam		
Gas and gasoline		
Water wheels		
Water motors		
Electric motors (run by current generated by establishment reporting)	9	130
Other power (specify kind)		

b. POWER RENTED TO OTHER ESTABLISHMENTS, IF ANY—

Horsepower

c. POWER RENTED FROM OTHER ESTABLISHMENTS, IF ANY—

Electric power—Number of motors,; total horsepower of motors,

Other power—Kind,; horsepower,

Name and address of establishment supplying the power,

DEPARTMENT OF COMMERCE AND LABOR
BUREAU OF THE CENSUS

[E 54-122]

CENSUS OF MANUFACTURES, 1905
SUPPLEMENTAL SCHEDULE

WOOD DISTILLATION

Name of establishment Pioneer Innace no 2
 Name of corporation, firm, or individual owner Pioneer Iron Co
 Location of factory: { State Michigan County Marquette
 City or town Marquette Street and No. _____
 Post office Marquette
 General office at Cleveland, Ohio
 (Manufacturing establishments operated by the same corporation, firm, or individual, and located in different counties, cities, or towns, must be separately reported.)

1. **Materials used:** The cost of all materials used during the year must be reported, as indicated. If the establishment pays freight on any of the materials used, and the amount is not included in their cost, report the amount of this freight under "Amount of freight, if any, paid on the above."
The total cost of materials in this schedule must agree with the total in the General Schedule.

KIND.	UNIT OF MEASURE.	QUANTITY.	COST.
Wood	Cords	<u>91004</u>	\$ <u>170848.40</u>
Limestone	Tons		\$
Lime	Bushels	<u>37031</u>	\$ <u>4814.01</u>
Soda	Pounds		\$
Crude wood alcohol	Gallons		\$
Fuel			\$ <u>5965.04</u>
Mill supplies (lubricants, waste, and other supplies consumed in the running of machinery)			\$ <u>1648.91</u>
All other materials			\$ <u>21264.81</u>
TOTAL			\$ <u>202521.76</u>
Amount of freight, if any, paid on the above, not included in the "Cost"			\$ <u>46874.57</u>

CERTIFICATE.

THIS IS TO CERTIFY that the information contained in this schedule is complete and correct to the best of my knowledge and belief, and covers the period from Dec 1st, 1905, to Dec 1st, 1904.

(Signature of the person furnishing the information.)

(Signature of Special Agent.)

2. **Products:** Give the total value or price at the factory and account for all products manufactured during the year, including by-products. Separately report the quantity and value of the products, as indicated. The total value of products in this schedule must agree with the total in the General Schedule.

KIND.	UNIT OF MEASURE.	QUANTITY.	VALUE.
Refined wood alcohol	Gallons	371742	\$ 167,283.90
Crude wood alcohol	Gallons		\$
Brown acetate of lime	Pounds		\$
Gray acetate of lime	Pounds	289820	\$ 3,149.04
Acetate of soda	Pounds		\$
Acetone	Pounds		\$
Formaldehyde	Pounds	70659	\$ 5,744.58
Wood ashes	Bushels		\$
Pyroligneous acid	Gallons		\$
Pyrolignite of iron	Gallons		\$
Dye liquors	Gallons		\$
Wood-creosote	Pounds	3670.35	\$ 249,053.47
All other products			\$
TOTAL			\$ 415,430.99

3. **Products manufactured and consumed by this establishment:** Give, for the year covered by this report, the quantity of crude and refined alcohol, etc., manufactured by this establishment and consumed in the manufacture of the products reported under Inquiry 2.

KIND.	UNIT OF MEASURE.	QUANTITY.
Crude wood alcohol	Gallons	none
Refined wood alcohol	Gallons	13090
Charcoal	Bushels	50 bushels
Lime	Bushels	none

4. **Process used in distilling wood:**

Number of retorts Average capacity of retorts, cords

Number of ovens Average capacity of ovens, cords

Number of kilns 90 Average capacity of kilns, cords 81

DEPARTMENT OF COMMERCE AND LABOR
BUREAU OF THE CENSUS

[E 96-165]

CENSUS OF MANUFACTURES, 1905

GENERAL SCHEDULE

Name of establishment Pioneer Furnace No 2 - Pig Iron
 Name of corporation, firm, or individual owner Pioneer Iron Company
 Location of factory: { State Michigan County Marquette
 City or town Marquette Street and No. _____
 Post office Marquette
 General office at Cleveland, Ohio, 2nd floor Mercantile Bldg
 (Manufacturing establishments operated by the same corporation, firm, or individual, and located in different counties, cities, or towns, must be separately reported.)

WASHINGTON, D. C., January 3, 1905.

Under the Act of Congress approved March 6, 1902, the Bureau of the Census is charged with the duty of making a collection of the statistics of manufactures in the year 1905. The nature of the statistics and the method of collecting them are regulated by the provisions of this Act and of the Act of March 3, 1899.

The canvass is to be made under the supervision of W. M. Steuart, Chief Statistician for Manufactures.

The information returned on this schedule should cover the business year of the establishment most nearly conforming to the year ending December 31, 1904.

All answers will be held absolutely confidential. No publication will be made in the Census reports disclosing the names or operations of individual establishments in any particular, and the information will be used only for the statistical purposes for which it was given.

If mining or other business is carried on in connection with manufacturing, the capital, employees, wages, expenses, products, etc., reported must pertain only to manufacturing.



Director of the Census.

Extract from Act of Congress, March 3, 1899:

SECTION 22.— * * * "And every president, treasurer, secretary, director, agent, or other officer of every corporation, and every establishment of productive industry, whether conducted as a corporate body, limited liability company, or by private individuals, from which answers to any of the schedules, inquiries, or statistical interrogatories provided for by this act are herein required, who shall, if thereto requested by the Director, supervisor, enumerator, or special agent, willfully neglect or refuse to give true and complete answers to any inquiries authorized by this act, or shall willfully give false information, shall be guilty of a misdemeanor, and upon conviction thereof shall be fined not exceeding ten thousand dollars, to which may be added imprisonment for a period not exceeding one year."

CERTIFICATE.

THIS IS TO CERTIFY that the information contained in this schedule is complete and correct to the best of my knowledge and belief, and covers the period from Dec 1st, 1903, to Dec 1st, 1904

(Signature of Special Agent.)

(Signature of the person furnishing the information.)

All entries must be made clearly and neatly in ink. Amounts and values must be obtained from book accounts, if such accounts are available. Each question is to be answered. If any question is found not applicable and no amounts are reported, write the word "None." Do not duplicate any item of expense.

1. Character of organization: Designate the form of organization, as it existed on the last day of the period covered by the report, whether individual, firm, limited partnership, cooperative association, incorporated company, or some other form.

Incorporated Company

2. Character of industry: Specify the kind of goods manufactured, as, for example, cut nails, chairs, leather belting, men's clothing; or the kind of work done, as, for example, job printing, machine shop work. Return with the schedule a card or other printed matter describing the business.

*Charcoal
Manufacture of Pig Iron*

3. Capital invested—owned and borrowed: The answer must show the total amount of capital, both owned and borrowed. All the items of fixed and live capital may be taken at the amounts carried on the books. If land or buildings are rented, that fact should be stated and no value given. If a part of the land or buildings is owned, the remainder being rented, the fact should be stated, and only the value of the owned property given. The value of all items of live capital, bills receivable, unsettled ledger accounts, materials on hand, stock in process of manufacture, finished products and cash on hand, etc., should be given as of the last day of the business year reported.

Land \$
 Buildings \$ 147,000.00
 Machinery, tools, and implements \$
 Bills receivable, unsettled ledger accounts, raw materials, stock in process of manufacture, finished products and cash on hand, and other sundries \$ 485,332.71
 TOTAL CAPITAL \$ 632,332.71

4. Proprietors and firm members: Men, number _____ Women, number _____
 Give the number of proprietors and firm members, including both active and silent partners. Do not include stockholders of corporations.

5. Salaried employees:

	Number.	Total amount paid in salaries during the year.
Salaried officers of corporations	<i>None</i>	\$ <i>None</i>
Superintendents, managers, foremen, clerks, and other salaried employees:		
Men	<i>3</i>	\$ <i>61,255.54</i>
Women		\$
TOTAL	<i>3</i>	\$ <i>61,255.54</i>

6. Wage-earners, including pieceworkers:
 Do not include salaried employees reported above.

	Greatest number employed at any one time during the year.	Least number employed at any one time during the year.	Total amount paid in wages during the year.
Men 16 years and over	<i>69</i>	<i>61</i>	\$ <i>44,966.27</i>
Women 16 years and over	<i>—</i>	<i>—</i>	\$ <i>—</i>
Children under 16 years	<i>—</i>	<i>—</i>	\$ <i>—</i>
TOTAL	<i>69</i>	<i>61</i>	\$ <i>44,966.27</i>

Salaries and wages should include board or rent furnished as part compensation. Foremen receiving wages and performing work similar to that of the men over whom they have charge are to be reported as wage-earners. If books do not show the separate amount of wages paid to men, women, and children, apportion the total wages for the year upon the basis of an average pay roll. Amounts paid for contract work, if not done by the regular employees, must not be included here, but reported in answer to Inquiry 8.

7. Average number of wage-earners, including pieceworkers, employed during each month: Do not include proprietors and firm members, or salaried officers, superintendents, managers, foremen, or clerks.

MONTH.	Men 16 years and over.	Women 16 years and over.	Children under 16 years.	MONTH.	Men 16 years and over.	Women 16 years and over.	Children under 16 years.
January	<i>66</i>	<i>None</i>	<i>None</i>	July	<i>64</i>	<i>None</i>	<i>None</i>
February	<i>67</i>	<i>"</i>	<i>"</i>	August	<i>65</i>	<i>"</i>	<i>"</i>
March	<i>69</i>	<i>"</i>	<i>"</i>	September	<i>66</i>	<i>"</i>	<i>"</i>
April	<i>64</i>	<i>"</i>	<i>"</i>	October	<i>67</i>	<i>"</i>	<i>"</i>
May	<i>63</i>	<i>"</i>	<i>"</i>	November	<i>66</i>	<i>"</i>	<i>"</i>
June	<i>66</i>	<i>"</i>	<i>"</i>	December	<i>61</i>	<i>"</i>	<i>"</i>

All entries must be made clearly and neatly in ink. Amounts and values must be obtained from book accounts, if such accounts are available. Each question is to be answered. If any question is found not applicable and no amounts are reported, write the word "None." Do not duplicate any item of expense.

8. Miscellaneous expenses: All items of expense incident to the business *not accounted for under Inquiries 5, 6, and 9* must be reported here.

ITEM.	AMOUNT.
Amount paid for rent of factory or works, if any.....	\$ -
Amount paid for rent of power and heat.....	\$ -
Amount paid for taxes, not including internal revenue.....	\$ 4846.61
Amount paid for rent of offices and buildings, other than the factory or works, and for interest, insurance, internal revenue tax, ordinary repairs of buildings and machinery, advertising, traveling expenses, and all other sundry expenses not reported under the head of materials.....	\$ 9240.91
TOTAL MISCELLANEOUS EXPENSES	\$ 14087.52
Amount paid, if any, for contract work.....	\$ -

9. Materials used: The cost of all materials used during the year must be reported. If the establishment pays freight on any of the materials used, and the amount is not included in their cost, report the amount of this freight under "Amount of freight, if any, paid on the above."

KIND.	COST.
<i>Used in raw state:</i> Give the name and the cost of such materials as raw cotton, iron ore, etc., that have undergone no process of manufacture.	
Iron Ore.....	\$ 180010.24
Limestone.....	\$ 1456.21
<i>Used in partially manufactured form:</i> Include materials that have passed through some process of manufacture, such as pig iron, steel, leather, etc. Give the name and cost of the principal articles.	
Charcoal.....	\$ 249221.23
Fuel.....	\$ 869.50
Mill supplies: Give the cost of lubricants, waste, and other supplies consumed in the running of machinery.....	\$ 1087.47
All other materials.....	\$ 12383.57
TOTAL COST OF ALL MATERIALS	\$ 45028.22
Amount of freight, if any, paid on the above, <i>not</i> included in the "Cost".....	\$ 20993.05

10. Products: Give the total value or price at the factory or works and account for all products manufactured during the year, including by-products. The principal products should be separately enumerated and the total value given for each. If there are products other than those for which separate values can be given, they should be enumerated so far as possible and their total value reported under "All other products." The amount received for odd jobs must be given as "custom work and repairing."

KIND.	VALUE.
42151 Tons of Charcoal Pig Iron.....	\$ 591378.53
1402.....	\$ -
All other products.....	\$ -
Amount received for custom work and repairing.....	\$ -
TOTAL VALUE OF ALL PRODUCTS	\$ 591378.53

11. Classified earnings of wage-earners, including pieceworkers, for the week during which the largest number of persons was employed: For week ending _____, 1904. Distribute employees according to actual earnings (not rates) for one week only. If period of payment includes two weeks, or any time other than one week, reduce the pay roll to a weekly basis before entering the figures for this inquiry. Do not include proprietors, firm members, officials, superintendents, managers, foremen, or clerks.

EARNINGS PER WEEK.	TOTAL.	MEN 16 YEARS AND OVER, NUMBER.	WOMEN 16 YEARS AND OVER, NUMBER.	CHILDREN UNDER 16 YEARS, NUMBER.
Under \$3 per week				
\$3 and over, but under \$4				
\$4 and over, but under \$5				
\$5 and over, but under \$6				
\$6 and over, but under \$7				
\$7 and over, but under \$8				
\$8 and over, but under \$9				
\$9 and over, but under \$10	2 19.50	2		
\$10 and over, but under \$12	5 56.50	5		
\$12 and over, but under \$15	47 539.10	47		
\$15 and over, but under \$20	12 90.60	12		
\$20 and over, but under \$25	2 41.00	2		
\$25 and over	1 37.50	1		
TOTAL NUMBER	69	69		
TOTAL WAGES FOR THE WEEK	\$ 898.20	\$ 898.20	\$	\$

12. Time the factory was in operation:

Number of days in operation during the year 350 →

Number of hours per day (under normal conditions) 24 →

Number of hours per week (under normal conditions) 168 →

Extra time during the year, total number of hours

13. Power:

CLASS.	NUMBER.	TOTAL HORSEPOWER.
a. POWER OWNED—		
Engines: Steam	6	1400
Gas and gasoline		
Water wheels		
Water motors		
Electric motors (run by current generated by establishment reporting)	5	136
Other power (specify kind) <i>Steam Locomotive</i>	1	250
<i>Electric</i>		120
b. POWER RENTED TO OTHER ESTABLISHMENTS, IF ANY—		
Horsepower		<i>none</i>
c. POWER RENTED FROM OTHER ESTABLISHMENTS, IF ANY—		
Electric power—Number of motors, <i>none</i> ; total horsepower of motors, <i>none</i>		
Other power—Kind, <i>none</i> ; horsepower, <i>none</i>		
Name and address of establishment supplying the power, <i>none</i>		

DEPARTMENT OF COMMERCE AND LABOR

[E 100-169]

BUREAU OF THE CENSUS

CENSUS OF MANUFACTURES, 1905

SUPPLEMENTAL SCHEDULE

IRON AND STEEL—BLAST FURNACES

Name of establishment

Pioneer Furnace No. 2

Name of corporation, firm, or individual owner

Pioneer Iron Co.

State

Michigan

County

Marquette

Location of furnace plant:

City or town

Marquette

Street and No.

Post office

Marquette

General office at

Cleveland - Ohio, 2nd Floor Commercial
Hercules Bldg.

(Blast furnaces operated by the same corporation, firm, or individual, and located in different counties, cities, or towns, must be separately reported. Capital reported in the General Schedule should include the value of rented or leased property, but the value of mineral, timber, or farm lands owned, rented, or leased must not be included.)

1. Materials used: The cost of all materials used during the year must be reported. Separately report the quantity and cost of materials used, as indicated. If the establishment pays freight on any of the materials used, and the amount is not included in their cost, report the amount of this freight under "Amount of freight, if any, paid on the above." If the iron ore, coal, limestone, etc., used are from mines and quarries operated by the establishment reporting, the cost of these materials as charged to the blast furnace should be given. If the coke and charcoal consumed are made by the establishment reporting, the cost should be based upon the average price of these materials for the vicinity of the blast furnaces. The cost of repairs to machinery, furnaces, stoves, hoists, pig iron casting machines, relining of furnaces, etc., and the cost of fire brick, tuyeres, cooling plates, etc., in connection with repairs should be reported under Inquiry 8 in the General Schedule, and not in this schedule.

The total cost of materials in this schedule must agree with the total in the General Schedule.

KIND.	UNIT OF MEASURE.	QUANTITY.	COST.
Domestic iron ore	Tons, 2,240 lbs.	80765	\$ 180010.22
Foreign iron ore (from outside of the United States)	Tons, 2,240 lbs.		\$
Fluxing material	Tons, 2,240 lbs.	1278	\$ 1486.21
Anthracite coal and culm	Tons, 2,240 lbs.		\$
Bituminous coal, used raw, and slack	Tons, 2,240 lbs.		\$
Coke	Tons, 2,000 lbs.		\$
Charcoal	Bushels	3673060	\$ 249221.23
Mill cinder, scrap (not including runner or other scrap produced by the furnace or furnaces reporting), scale, etc.	Tons, 2,240 lbs.		\$
Natural gas, for steam raising			\$
Mill supplies (lubricants, waste, and other supplies consumed in the running of machinery)			\$ 1087.27
All other materials, including sand, etc.			\$ 13253.07
TOTAL			\$ 445026.22
Amount of freight, if any, paid on the above, not included in the "Cost"			\$ 20993.05

2. Products: Give the total value or price at the furnace and account for all products manufactured during the year, including by-products. Separately report the quantity and value of the products, as indicated. If there are products other than those enumerated their total value should be reported under "All other products." Where pig iron is consumed by the establishment by which it is made, the value reported must be based upon the average value of pig iron for that vicinity, or upon the cost of production plus a percentage of profit on the blast furnace operations.

The total value of products in this schedule must agree with the total in the General Schedule.

KIND.	QUANTITY (Tons of 2,240 pounds).	VALUE.
Coke and bituminous coal pig iron		\$
Mixed anthracite coal and coke pig iron		\$
Anthracite pig iron		\$
Charcoal pig iron	42151	\$ 591,378.53
Mixed charcoal and coke pig iron		\$
Castings produced direct from furnace, not included above		\$
Spiegeleisen and ferromanganese, not included above		\$
All other products, including castings made in foundries, granulated slag, cement from furnace slag, slag sold for ballast, etc		\$
Amount received for custom work and repairing		\$ 591,378.53
TOTAL		\$

How much of the pig iron, spiegeleisen, ferromanganese, etc., reported above was for consumption in rolling

mills, steel works, foundries, etc., controlled by your company Tons Value, \$

3. Production of pig iron, by grades:

GRADE.	QUANTITY (Tons of 2,240 pounds).	VALUE.
Bessemer pig iron (from 0.04 to 0.10 per cent in phosphorus)		\$
Low phosphorus pig iron (below 0.04 per cent in phosphorus)		\$
Malleable Bessemer pig iron		\$
Basic pig iron		\$
Foundry pig iron		\$
Forge pig iron		\$
White and mottled and miscellaneous grades of pig iron, and direct castings		\$
Spiegeleisen		\$
Ferromanganese		\$
Ferrosilicon (7 per cent and over in silicon)		\$ 558,254.03
Charcoal Pig Iron { Non Bessemer	29986	\$ 591,378.53
{ Bessemer	2165	\$ 33,124.50

4. How much of your total production of pig iron in 1904 was "sand" cast Tons 42151

How much of your total production of pig iron in 1904 was "machine" cast Tons

How much was delivered to Bessemer converters, open hearth furnaces, cupolas, etc., in a molten condition Tons

5. Furnaces completed, under construction, idle, etc.:

Number of completed blast furnace stacks (alternate stacks to be counted as two furnaces) one

Daily capacity of each stack, in gross tons of 2,240 pounds 150

Number of blast furnace stacks completed during the year none

Daily capacity of each stack, in gross tons of 2,240 pounds none

Number of blast furnace stacks in course of construction none

Estimated daily capacity of each stack, in gross tons of 2,240 pounds none

Number of blast furnace stacks (alternate stacks to be counted as two furnaces) *idle during the entire year* none

Daily capacity of each stack, in gross tons of 2,240 pounds none

Number of blast furnace stacks dismantled or abandoned during the year none

Daily capacity of each stack, in gross tons of 2,240 pounds none

GRANULATED SLAG PITS:

Number of granulated slag pits connected with blast furnaces none

Annual capacity of these pits, in gross tons, of granulated slag "

State the purposes to which the granulated slag made is adapted "

CEMENT FROM BLAST FURNACE SLAG:

Do you manufacture cement from blast furnace slag? no

If so, give the number, location, and annual capacity, in barrels of 200 pounds, of each plant—

Number _____ Location and capacity _____

LONGEST BLASTS:

Greatest number of days that any one of your furnaces has been in continuous blast (do not consider furnaces out of blast when banked) 570

Number of gross tons of pig iron made by the furnace during this period 65965

Number of times the furnace was banked during the period 3

Number of days lost by being banked 26

CERTIFICATE.

THIS IS TO CERTIFY that the information contained in this schedule is complete and correct to the best of my knowledge and belief, and covers the period from Dec 1st, 1903, to Dec 1st, 1904.

(Signature of the person furnishing the information.)

(Signature of Special Agent.)

Furnaces equipped under construction, etc.

Number of furnaces equipped under construction, etc. (Attention should be called to the fact that the number of furnaces equipped under construction, etc. should be reported in the column headed "Furnaces equipped under construction, etc.")

Total capacity of each stack in gross tons of 2,240 pounds

Total capacity of each stack in gross tons of 2,240 pounds

Total capacity of each stack in gross tons of 2,240 pounds

Total capacity of each stack in gross tons of 2,240 pounds

Total capacity of each stack in gross tons of 2,240 pounds

Total capacity of each stack in gross tons of 2,240 pounds

Total capacity of each stack in gross tons of 2,240 pounds

Total capacity of each stack in gross tons of 2,240 pounds

Total capacity of each stack in gross tons of 2,240 pounds

QUALITY OF FUEL

Number of furnaces equipped with this fuel

Annual capacity of these furnaces in gross tons of 2,240 pounds

State the purpose to which the granulated slag made is applied

REPORT FROM BLAST FURNACE OPERATOR

The following information should be furnished for each furnace

Give the number, location, and annual capacity, in gross tons of 2,240 pounds, of each furnace

Number Location and capacity

State the number of days (not any one of your furnaces has been in continuous blast the last number of days out of blast when blast)

Number of gross tons of pig iron made by the furnace during this period

Number of times the furnace was worked during the period

Number of days lost by being below

CERTIFICATE

This is to certify that the information contained in this certificate is true and correct to the best

of my knowledge and belief, and covers the period from 1900 to

1900

DEPARTMENT OF COMMERCE AND LABOR

[E 96-165]

BUREAU OF THE CENSUS

CENSUS OF MANUFACTURES, 1905

GENERAL SCHEDULE

Name of establishment Carp River Furnace - Pig Iron

Name of corporation, firm, or individual owner Pioneer Iron Co

Location of factory: { State Michigan County Marquette
 City or town Marquette Street and No. Lake St.
 Post office Marquette

General office at Cleveland Ohio, 2nd Floor Mercantile Bk Bldg.

(Manufacturing establishments operated by the same corporation, firm, or individual, and located in different counties, cities, or towns, must be separately reported.)

WASHINGTON, D. C., January 3, 1905.

Under the Act of Congress approved March 6, 1902, the Bureau of the Census is charged with the duty of making a collection of the statistics of manufactures in the year 1905. The nature of the statistics and the method of collecting them are regulated by the provisions of this Act and of the Act of March 3, 1899.

The canvass is to be made under the supervision of W. M. Steuart, Chief Statistician for Manufactures.

The information returned on this schedule should cover the business year of the establishment most nearly conforming to the year ending December 31, 1904.

All answers will be held absolutely confidential. No publication will be made in the Census reports disclosing the names or operations of individual establishments in any particular, and the information will be used only for the statistical purposes for which it was given.

If mining or other business is carried on in connection with manufacturing, the capital, employees, wages, expenses, products, etc., reported must pertain only to manufacturing.



Director of the Census.

Extract from Act of Congress, March 3, 1899:

SECTION 22.— * * * "And every president, treasurer, secretary, director, agent, or other officer of every corporation, and every establishment of productive industry, whether conducted as a corporate body, limited liability company, or by private individuals, from which answers to any of the schedules, inquiries, or statistical interrogatories provided for by this act are herein required, who shall, if thereto requested by the Director, supervisor, enumerator, or special agent, willfully neglect or refuse to give true and complete answers to any inquiries authorized by this act, or shall willfully give false information, shall be guilty of a misdemeanor, and upon conviction thereof shall be fined not exceeding ten thousand dollars, to which may be added imprisonment for a period not exceeding one year."

CERTIFICATE.

THIS IS TO CERTIFY that the information contained in this schedule is complete and correct to the best of my knowledge and belief, and covers the period from Dec 1, 1903, to Dec 1, 1904

(Signature of Special Agent.)

(Signature of the person furnishing the information.)

All entries must be made clearly and neatly in ink. Amounts and values must be obtained from book accounts, if such accounts are available. Each question is to be answered. If any question is found not applicable and no amounts are reported, write the word "None." Do not duplicate any item of expense.

1. Character of organization: Designate the form of organization, as it existed on the last day of the period covered by the report, whether individual, firm, limited partnership, cooperative association, incorporated company, or some other form.

Incorporated Company

2. Character of industry: Specify the kind of goods manufactured, as, for example, cut nails, chairs, leather belting, men's clothing; or the kind of work done, as, for example, job printing, machine shop work. Return with the schedule a card or other printed matter describing the business.

*Manufacture of charcoal
Pig Iron*

3. Capital invested—owned and borrowed: The answer must show the total amount of capital, both owned and borrowed. All the items of fixed and live capital may be taken at the amounts carried on the books. If land or buildings are rented, that fact should be stated and no value given. If a part of the land or buildings is owned, the remainder being rented, the fact should be stated, and only the value of the owned property given. The value of all items of live capital, bills receivable, unsettled ledger accounts, materials on hand, stock in process of manufacture, finished products and cash on hand, etc., should be given as of the last day of the business year reported.

Land \$ }
 Buildings \$ } *30,000.00*
 Machinery, tools, and implements \$ }
 Bills receivable, unsettled ledger accounts, raw materials, stock in process of manufacture, finished products and cash on hand, and other sundries \$ *106,624.41*
 TOTAL CAPITAL \$ *136,624.41*

4. Proprietors and firm members: Men, number _____ Women, number _____
 Give the number of proprietors and firm members, including both active and silent partners. Do not include stockholders of corporations.

5. Salaried employees:

	Number.	Total amount paid in salaries during the year.
Salaried officers of corporations	<i>none</i>	\$ <i>none</i>
Superintendents, managers, foremen, clerks, and other salaried employees:		
Men	<i>3</i>	\$ <i>2,694.00</i>
Women	<i>none</i>	\$
TOTAL	<i>3</i>	\$ <i>2,694.00</i>

6. Wage-earners, including pieceworkers:
 Do not include salaried employees reported above.

	Greatest number employed at any one time during the year.	Least number employed at any one time during the year.	Total amount paid in wages during the year.
Men 16 years and over	<i>33</i>	<i>5</i>	\$ <i>11,437.39</i>
Women 16 years and over	<i>none</i>		\$
Children under 16 years	<i>none</i>		\$
TOTAL	<i>33</i>	<i>5</i>	\$ <i>11,437.39</i>

Salaries and wages should include board or rent furnished as part compensation. Foremen receiving wages and performing work similar to that of the men over whom they have charge are to be reported as wage-earners. If books do not show the separate amount of wages paid to men, women, and children, apportion the total wages for the year upon the basis of an average pay roll. Amounts paid for contract work, if not done by the regular employees, must not be included here, but reported in answer to Inquiry 8.

7. Average number of wage-earners, including pieceworkers, employed during each month: Do not include proprietors and firm members, or salaried officers, superintendents, managers, foremen, or clerks.

MONTH.	Men 16 years and over.	Women 16 years and over.	Children under 16 years.	MONTH.	Men 16 years and over.	Women 16 years and over.	Children under 16 years.
January <i>1904</i>	<i>30</i>	<i>none</i>	<i>none</i>	July	<i>5</i>	<i>none</i>	<i>none</i>
February	<i>31</i>	"	"	August	<i>5</i>	"	"
March	<i>32</i>	"	"	September	<i>5</i>	"	"
April	<i>33</i>	"	"	October	<i>5</i>	"	"
May	<i>30</i>	"	"	November	<i>5</i>	"	"
June	<i>8</i>	"	"	December <i>1903</i>	<i>31</i>	"	"

All entries must be made clearly and neatly in ink. Amounts and values must be obtained from book accounts, if such accounts are available. Each question is to be answered. If any question is found not applicable and no amounts are reported, write the word "None." Do not duplicate any item of expense.

8. Miscellaneous expenses: All items of expense incident to the business *not accounted for under Inquiries 5, 6, and 9* must be reported here.

ITEM.	AMOUNT.
Amount paid for rent of factory or works, if any	\$ none
Amount paid for rent of power and heat	\$ none
Amount paid for taxes, not including internal revenue	\$ 13,285.59
Amount paid for rent of offices and buildings, other than the factory or works, and for interest, insurance, internal revenue tax, ordinary repairs of buildings and machinery, advertising, traveling expenses, and all other sundry expenses not reported under the head of materials	\$ 3,095.51 7,472.51
TOTAL MISCELLANEOUS EXPENSES	\$ 24,853.60
Amount paid, if any, for contract work	\$ —

9. Materials used: The cost of all materials used during the year must be reported. If the establishment pays freight on any of the materials used, and the amount is not included in their cost, report the amount of this freight under "Amount of freight, if any, paid on the above."

KIND.	COST.
<i>Used in raw state:</i> Give the name and the cost of such materials as raw cotton, iron ore, etc., that have undergone no process of manufacture.	
Iron Ore 15,317 tons	\$ 40,672.35
Limestone 464 net tons	\$ 556.83
<i>Used in partially manufactured form:</i> Include materials that have passed through some process of manufacture, such as pig iron, steel, leather, etc. Give the name and cost of the principal articles.	
Charcoal 721,591 bush	\$ 50,511.37
Fuel Wood + Slabs	\$ 423.87
Mill supplies: Give the cost of lubricants, waste, and other supplies consumed in the running of machinery	\$ 123.87
All other materials	\$ 3,476.51
TOTAL COST OF ALL MATERIALS	\$ 95,764.80
Amount of freight, if any, paid on the above, <i>not</i> included in the "Cost"	\$ —

10. Products: Give the total value or price at the factory or works and account for all products manufactured during the year, including by-products. The principal products should be separately enumerated and the total value given for each. If there are products other than those for which separate values can be given, they should be enumerated so far as possible and their total value reported under "All other products." The amount received for odd jobs must be given as "custom work and repairing."

KIND.	VALUE.
8115 Pig Iron produced	\$ 111,420.50
All other products	\$ none
Amount received for custom work and repairing	\$ none
TOTAL VALUE OF ALL PRODUCTS	\$ 111,420.50

11. Classified earnings of wage-earners, including pieceworkers, for the week during which the largest number of persons was employed: For week ending _____, 1904. Distribute employees according to actual earnings (not rates) for one week only. If period of payment includes two weeks, or any time other than one week, reduce the pay roll to a weekly basis before entering the figures for this inquiry. Do not include proprietors, firm members, officials, superintendents, managers, foremen, or clerks.

EARNINGS PER WEEK.	TOTAL.	MEN 16 YEARS AND OVER, NUMBER.	WOMEN 16 YEARS AND OVER, NUMBER.	CHILDREN UNDER 16 YEARS, NUMBER.
Under \$3 per week				
\$3 and over, but under \$4				
\$4 and over, but under \$5				
\$5 and over, but under \$6				
\$6 and over, but under \$7				
\$7 and over, but under \$8				
\$8 and over, but under \$9				
\$9 and over, but under \$10				
\$10 and over, but under \$12	1	1		
\$12 and over, but under \$15	24	24		
\$15 and over, but under \$20	7	7		
\$20 and over, but under \$25				
\$25 and over	1	1		
TOTAL NUMBER	33	33		
TOTAL WAGES FOR THE WEEK	\$ 509.52	\$ 509.52	\$	\$

12. Time the factory was in operation:

Number of days in operation during the year 153 days →

Number of hours per day (under normal conditions) 24 hours →

Number of hours per week (under normal conditions) 168 " →

Extra time during the year, total number of hours

13. Power:

CLASS.	NUMBER.	TOTAL HORSEPOWER.
a. POWER OWNED—		
Engines: Steam	2	240
Gas and gasoline	none	
Water wheels	none	
Water motors	none	
Electric motors (run by current generated by establishment reporting)	none	
Other power (specify kind)	none	

b. POWER RENTED TO OTHER ESTABLISHMENTS, IF ANY—

Horsepower none

c. POWER RENTED FROM OTHER ESTABLISHMENTS, IF ANY— none

Electric power—Number of motors, none; total horsepower of motors,

Other power—Kind, none; horsepower,

Name and address of establishment supplying the power, none

DEPARTMENT OF COMMERCE AND LABOR

[E 100-169]

BUREAU OF THE CENSUS

CENSUS OF MANUFACTURES, 1905

SUPPLEMENTAL SCHEDULE

IRON AND STEEL—BLAST FURNACES

Name of establishment *Carp River Furnace - Pig Iron*

Name of corporation, firm, or individual owner *Pioneer Iron Co.*

Location of furnace plant: State *Michigan* County *Marquette*
 City or town *Marquette* Street and No. _____
 Post office _____

General office at *2nd Floor, Commercial Bank Bldg.*

(Blast furnaces operated by the same corporation, firm, or individual, and located in different counties, cities, or towns, must be separately reported. Capital reported in the General Schedule should include the value of rented or leased property, but the value of mineral, timber, or farm lands owned, rented, or leased must not be included.)

1. **Materials used:** The cost of all materials used during the year must be reported. Separately report the quantity and cost of materials used, as indicated. If the establishment pays freight on any of the materials used, and the amount is not included in their cost, report the amount of this freight under "Amount of freight, if any, paid on the above." If the iron ore, coal, limestone, etc., used are from mines and quarries operated by the establishment reporting, the cost of these materials as charged to the blast furnace should be given. If the coke and charcoal consumed are made by the establishment reporting, the cost should be based upon the average price of these materials for the vicinity of the blast furnaces. The cost of repairs to machinery, furnaces, stoves, hoists, pig iron casting machines, relining of furnaces, etc., and the cost of fire brick, tuyeres, cooling plates, etc., in connection with repairs should be reported under Inquiry 8 in the General Schedule, and not in this schedule.

The total cost of materials in this schedule must agree with the total in the General Schedule.

KIND.	UNIT OF MEASURE.	QUANTITY.	COST.
Domestic iron ore	Tons, 2,240 lbs	15317-	\$ 40672.35
Foreign iron ore (from outside of the United States)	Tons, 2,240 lbs	none	\$
Fluxing material <i>Limestone</i>	Tons, ²⁰⁰⁰ 2,240 lbs	464	\$ 556.83
Anthracite coal and culm	Tons, 2,240 lbs	none	\$
Bituminous coal, used raw, and slack	Tons, 2,240 lbs	none	\$
Coke	Tons, 2,000 lbs	none	\$
Charcoal	Bushels	721591	\$ 50511.37
Mill cinder, scrap (not including runner or other scrap produced by the furnace or furnaces reporting), scale, etc	Tons, 2,240 lbs	none	\$
Natural gas, for steam raising		none	\$
Mill supplies (lubricants, waste, and other supplies consumed in the running of machinery)			\$ 123.87
All other materials, including sand, etc			\$ 3900.38
TOTAL			\$ 91864.47
			\$ 95764.80
Amount of freight, if any, paid on the above, not included in the "Cost"			\$

2. Products: Give the total value or price at the furnace and account for all products manufactured during the year, including by-products. Separately report the quantity and value of the products, as indicated. If there are products other than those enumerated their total value should be reported under "All other products." Where pig iron is consumed by the establishment by which it is made, the value reported must be based upon the average value of pig iron for that vicinity, or upon the cost of production plus a percentage of profit on the blast furnace operations.

The total value of products in this schedule must agree with the total in the General Schedule.

KIND.	QUANTITY (Tons of 2,240 pounds).	VALUE.
Coke and bituminous coal pig iron	none	\$
Mixed anthracite coal and coke pig iron	none	\$
Anthracite pig iron	none	\$
Charcoal pig iron	136.07 Tons 8115	\$ 111,470.80
Mixed charcoal and coke pig iron	none	\$
Castings produced direct from furnace, not included above	none	\$
Spiegeleisen and ferromanganese, not included above	none	\$
All other products, including castings made in foundries, granulated slag, cement from furnace slag, slag sold for ballast, etc	none	\$
Amount received for custom work and repairing	none	\$
TOTAL		\$ 111,470.80

How much of the pig iron, spiegeleisen, ferromanganese, etc., reported above was for consumption in rolling mills, steel works, foundries, etc., controlled by your company Tons none Value, \$

3. Production of pig iron, by grades:

GRADE.	QUANTITY (Tons of 2,240 pounds).	VALUE.
Bessemer pig iron (from 0.04 to 0.10 per cent in phosphorus)	none	\$
Low phosphorus pig iron (below 0.04 per cent in phosphorus)	none	\$
Malleable Bessemer pig iron	none	\$
Basic pig iron	none	\$
Foundry pig iron	none	\$
Forge pig iron	none	\$
White and mottled and miscellaneous grades of pig iron, and direct castings	none	\$
Spiegeleisen	none	\$
Ferromanganese	none	\$
Ferrosilicon (7 per cent and over in silicon)	none	\$
<u>Charcoal Pig Iron</u>	8,115	\$ 111,470.80

4. How much of your total production of pig iron in 1904 was "sand" cast 8115 Tons

How much of your total production of pig iron in 1904 was "machine" cast none Tons

How much was delivered to Bessemer converters, open hearth furnaces, cupolas, etc., in a molten condition none Tons

5. Furnaces completed, under construction, idle, etc.:

Number of completed blast furnace stacks (alternate stacks to be counted as two furnaces) one

Daily capacity of each stack, in gross tons of 2,240 pounds 70 tons

Number of blast furnace stacks completed during the year none

Daily capacity of each stack, in gross tons of 2,240 pounds "

Number of blast furnace stacks in course of construction "

Estimated daily capacity of each stack, in gross tons of 2,240 pounds "

Number of blast furnace stacks (alternate stacks to be counted as two furnaces) *idle during the entire year* none

Daily capacity of each stack, in gross tons of 2,240 pounds none

Number of blast furnace stacks dismantled or abandoned during the year none

Daily capacity of each stack, in gross tons of 2,240 pounds "

GRANULATED SLAG PITS:

Number of granulated slag pits connected with blast furnaces none

Annual capacity of these pits, in gross tons, of granulated slag "

State the purposes to which the granulated slag made is adapted "

CEMENT FROM BLAST FURNACE SLAG:

Do you manufacture cement from blast furnace slag? none

If so, give the number, location, and annual capacity, in barrels of 200 pounds, of each plant—

Number _____ Location and capacity _____

LONGEST BLASTS:

Greatest number of days that any one of your furnaces has been in continuous blast (do not consider furnaces out of blast when banked) 858

Number of gross tons of pig iron made by the furnace during this period 40430

Number of times the furnace was banked during the period no record

Number of days lost by being banked _____

CERTIFICATE.

THIS IS TO CERTIFY that the information contained in this schedule is complete and correct to the best of my knowledge and belief, and covers the period from Dec 1st, 1903, to

Dec 1st, 1904.

(Signature of the person furnishing the information.)

(Signature of Special Agent.)

PIONEER IRON COMPANY,

CARP RIVER FURNACE DEPARTMENT.

NOAH W. GRAY, MGR.

GEO. A. GARRETSON, President.
WM. G. MATHER, Vice President.
FRED. A. MORSE, Treasurer.
E. V. HALE, Secretary.

MARQUETTE, MICH., April 25, 1905.

RECEIVED

APR 27 1905

Ack.....

Ans'd.....

Mr. R. C. Mann,

Cleveland, Ohio.

Dear Sir:-

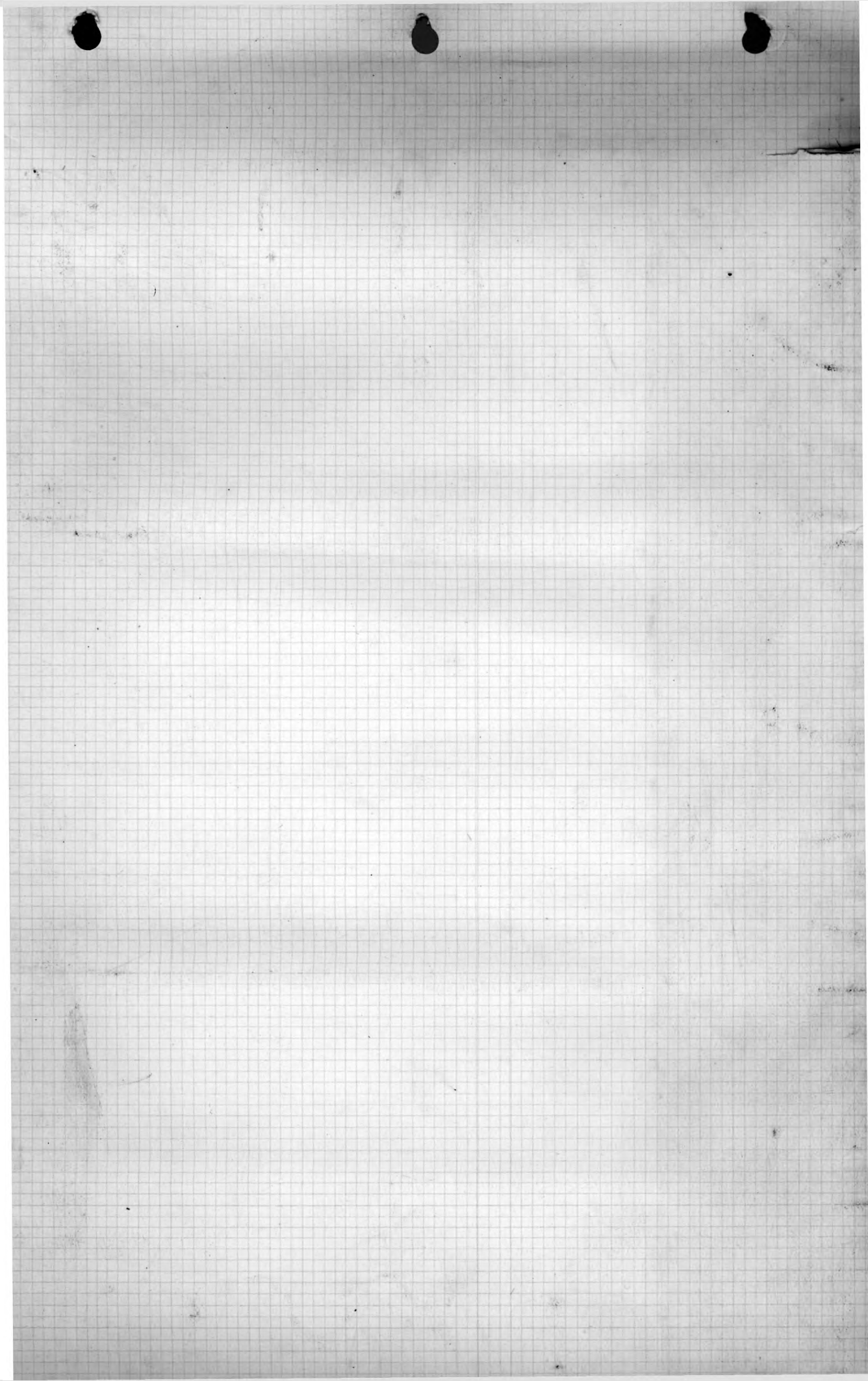
I enclose you the statement for the Department of Commerce and Labor, which I received from you, with the items filled out as specified, the most of them being taken from the books and from my Annual Statement for 1904. The item under No. 8, of \$1,472.51, is made up of supplies and expenses of office and insurance, as follows:

Insurance.....	\$ 476.66
Supplies, Analysis,.....	40.57
Supplies and Expenses of office	448.92
Materials for Maintenance.....	238.53
Materials for Operating Acct...	107.61
Barn Expense.....	160.22
Total.....	<u>\$1,472.51</u>

This is taken from my annual report. Materials, also, are taken from my annual report. I think this is all you will need from this office in regard to the answer to the reports.

Yours truly,

Noah W. Gray
Manager.



We will be very much obliged if you will have this blank filled out and returned to us as early next week as possible.

Wishing you the compliments of the holiday season, we are,

Very Truly Yours, -- J.M.S.

December 29, 1904.

This blank is printed in copying ink for manufacturers who may desire to copy it in their letter books.

(STRICTLY CONFIDENTIAL.)

Please fill out this blank for your furnaces and return it as early as possible to The American Iron and Steel Association, No. 261 South Fourth Street, Philadelphia.

PRODUCTION OF PIG IRON IN 1904.

FOR THE YEAR ENDED DECEMBER 31, 1904.

Name of Furnace or Furnaces, Pioneer
 Name of Owners or Lessees, Cleveland Cliffs Iron Co.
 Post Office, County, and State, 2nd Floor, Mercantile Bank Bldg., Cleveland Ohio

STACKS.

Number of completed Furnace Stacks, 1 | Stacks out of blast December 31, 1904, 1
 Stacks in blast December 31, 1904, 0 | Stacks building December 31, 1904, 0
 How many DAYS in the WHOLE YEAR 1904 was each furnace in blast? 108 Days
Banked 12 Days for repairs | Banked Apr 30
 Number of STACKS IDLE on December 31, 1904, and date when they may be blown in about July 1st 1905
 Number of STACKS IDLE that will NEVER AGAIN MAKE PIG IRON None
 Number of BUILDING STACKS on December 31, 1904, and the date when you expect to have each stack completed
 If you contemplate erecting any NEW BLAST FURNACES in 1905 please give the number to be built, the size of each furnace, and the date when you expect to commence work upon each stack None

LIMESTONE QUARRIED—GROSS TONS.

How many tons of LIMESTONE did you QUARRY in the WHOLE YEAR 1904? None
 How many tons of LIMESTONE did you CONSUME in your furnaces in 1904? 836
If you can not conveniently give exact figures of the limestone quarried and consumed a CLOSE ESTIMATE will answer.

FUEL USED.

Kind of Fuel used in the WHOLE YEAR 1904, Charcoal
Please state distinctly whether you used all coke, all raw bituminous coal, coke and raw coal mixed, all anthracite coal, anthracite coal and coke mixed, charcoal and coke mixed, or charcoal alone.

PIG IRON MADE—GROSS TONS.

KINDS OF PIG IRON.	GROSS TONS.
Total production of PIG IRON in the WHOLE YEAR 1904, excluding Spiegeleisen, Ferro-manganese, and Ferro-phosphorus, but including castings made direct from the furnace <small>(If the works changed hands during this time please estimate the quantity of pig iron produced by the previous operators.)</small>	
Production of FERRO-MANGANESE in the WHOLE YEAR 1904	
Production of SPIEGELEISEN in the WHOLE YEAR 1904 <u>Charcoal Pig Iron</u>	<u>10762</u>
Production of FERRO-PHOSPHORUS in the WHOLE YEAR 1904	
Total production of all kinds of Pig Iron, Spiegeleisen, Ferro-manganese, etc.	<u>10762</u>
How much of the TOTAL PRODUCTION OF PIG IRON was—	
BESSEMER PIG IRON? (from 0.04 to 0.10 per cent. in Phosphorus)	
LOW-PHOSPHORUS PIG IRON? (below 0.04 per cent. in Phosphorus)	
MALLEABLE BESSEMER PIG IRON?	
BASIC PIG IRON?	
FOUNDRY PIG IRON?	
FORGE PIG IRON? <u>Charcoal now Bessemer</u>	<u>10762</u>
FERRO-SILICON? (7 per cent. and over in Silicon)	
WHITE and MOTTLED and other miscellaneous grades of PIG IRON and CASTINGS made direct from the furnace?	

UNSOLD STOCKS—GROSS TONS.

Stock of Pig Iron ON HAND AND UNSOLD on December 31, 1904, both at the furnace and in the hands of your agents, and which is NOT for your own consumption 7247
Do NOT include Pig Iron on hand and SOLD or Pig Iron in STORAGE WARRANT YARDS.

WARRANT YARD IRON—GROSS TONS.

In ADDITION to the above how much Pig Iron WHICH YOU STILL OWNED did you have stored with the American Pig Iron Storage Warrant Company on December 31, 1904? None
 In ADDITION to the Pig Iron on hand and unsold as reported above, how much iron WHICH YOU STILL OWNED did you have stored in YARDS OTHER THAN THOSE CONTROLLED by the American Pig Iron Storage Warrant Company on December 31, 1904? None

If you made no pig iron at all in 1904, and had no unsold iron on hand on December 31, please so advise us, as it is important that we should have this information.

Signature.....

We have not received your pig iron statistics for 1904. If they were at hand we could close our tables for your State. Please therefore fill out this blank and return it to us immediately.

This blank is printed in copying ink for manufacturers who may desire to copy it in their letter books.

(STRICTLY CONFIDENTIAL.)

Please fill out this blank for your furnaces and return it as early as possible to The American Iron and Steel Association, No. 261 South Fourth Street, Philadelphia.

PRODUCTION OF PIG IRON IN 1904.

FOR THE YEAR ENDED DECEMBER 31, 1904.

Name of Furnace or Furnaces, Pioneer No. 2.
 Name of Owners or Lessees, Pioneer Iron Co.
 Post Office, County, and State, 22 Flor. Newcastle Bank Bldg, Charlestown, Wis.

STACKS.

Number of completed Furnace Stacks, 1 Stacks out of blast December 31, 1904, 0
 Stacks in blast December 31, 1904, 1 Stacks building December 31, 1904, 0
 How many DAYS in the WHOLE YEAR 1904 was each furnace in blast? 333 days.
Furnace blanked 33 days for repairs etc.
 Number of STACKS IDLE on December 31, 1904, and date when they may be blown in None
 Number of STACKS IDLE that will NEVER AGAIN MAKE PIG IRON None
 Number of BUILDING STACKS on December 31, 1904, and the date when you expect to have each stack completed. None
 If you contemplate erecting any NEW BLAST FURNACES in 1905 please give the number to be built, the size of each furnace, and the date when you expect to commence work upon each stack No.

LIMESTONE QUARRIED—GROSS TONS.

How many tons of LIMESTONE did you QUARRY in the WHOLE YEAR 1904? None
 How many tons of LIMESTONE did you CONSUME in your furnaces in 1904? 1066
If you can not conveniently give exact figures of the limestone quarried and consumed a CLOSE ESTIMATE will answer.

FUEL USED.

Kind of Fuel used in the WHOLE YEAR 1904, Charcoal
Please state distinctly whether you used all coke, all raw bituminous coal, coke and raw coal mixed, all anthracite coal, anthracite coal and coke mixed, charcoal and coke mixed, or charcoal alone.

PIG IRON MADE—GROSS TONS.

KINDS OF PIG IRON.	GROSS TONS.
Total production of PIG IRON in the WHOLE YEAR 1904, excluding Spiegeleisen, Ferro-manganese, and Ferro-phosphorus, but including castings made direct from the furnace. <small>(If the works changed hands during this time please estimate the quantity of pig iron produced by the previous operators.)</small>	
Production of FERRO-MANGANESE in the WHOLE YEAR 1904	
Production of SPIEGELEISEN in the WHOLE YEAR 1904 <u>Charcoal Pig Iron</u>	<u>41195</u>
Production of FERRO-PHOSPHORUS in the WHOLE YEAR 1904	
Total production of all kinds of Pig Iron, Spiegeleisen, Ferro-manganese, etc.	<u>41195</u>
How much of the TOTAL PRODUCTION OF PIG IRON was—	
BESSEMER PIG IRON? (from 0.04 to 0.10 per cent. in Phosphorus)	<u>162</u>
LOW-PHOSPHORUS PIG IRON? (below 0.04 per cent. in Phosphorus)	
MALLEABLE BESSEMER PIG IRON?	
BASIC PIG IRON?	
FOUNDRY PIG IRON?	
FORGE PIG IRON?	
FERRO-SILICON? (7 per cent. and over in Silicon) <u>Charcoal Non-Bessemer</u>	<u>41033</u>
WHITE and MOTTLED and other miscellaneous grades of PIG IRON and CASTINGS made direct from the furnace?	

UNSOLD STOCKS—GROSS TONS.

Stock of Pig Iron ON HAND AND UNSOLD on December 31, 1904, both at the furnace and in the hands of your agents, and which is NOT for your own consumption 27376
Do NOT include Pig Iron on hand and SOLD or Pig Iron in STORAGE WARRANT YARDS.

WARRANT YARD IRON—GROSS TONS.

In ADDITION to the above how much Pig Iron WHICH YOU STILL OWNED did you have stored with the American Pig Iron Storage Warrant Company on December 31, 1904? None
 In ADDITION to the Pig Iron on hand and unsold as reported above, how much iron WHICH YOU STILL OWNED did you have stored in YARDS OTHER THAN THOSE CONTROLLED by the American Pig Iron Storage Warrant Company on December 31, 1904? None

If you made no pig iron at all in 1904, and had no unsold iron on hand on December 31, please so advise us, as it is important that we should have this information.

Signature _____

We will be very much obliged if you will have this blank filled out and returned to us as early next week as possible.

Wishing you the compliments of the holiday season, we are,
Very Truly Yours,--J.M.S.
December 29, 1904.

This blank is printed in copying ink for manufacturers who may desire to copy it in their letter books.

(STRICTLY CONFIDENTIAL.)

Please fill out this blank for your furnaces and return it as early as possible to The American Iron and Steel Association, No. 261 South Fourth Street, Philadelphia.

PRODUCTION OF PIG IRON IN 1904.
FOR THE YEAR ENDED DECEMBER 31, 1904.

Name of Furnace or Furnaces, *Camp*
Name of Owners or Lessees, *Pioneer Iron Co.*
Post Office, County, and State, *2nd Floor Mercantile Bank Bldg. Cleveland, O.*

STACKS.

Number of completed Furnace Stacks, *1* Stacks out of blast December 31, 1904, *1*
Stacks in blast December 31, 1904, *0* Stacks building December 31, 1904, *None*
How many DAYS in the WHOLE YEAR 1904 was each furnace in blast? *125 days*
Shut down for repairs etc 25 days Total 150 days. Furnace blown out 2/29/04
Number of STACKS IDLE on December 31, 1904, and date when they may be blown in *about Mar 1st 1905*
Number of STACKS IDLE that will NEVER AGAIN MAKE PIG IRON *None*
Number of BUILDING STACKS on December 31, 1904, and the date when you expect to have each stack completed. *None*
If you contemplate erecting any NEW BLAST FURNACES in 1905 please give the number to be built, the size of each furnace, and the date when you expect to commence work upon each stack *No.*

LIMESTONE QUARRIED—GROSS TONS.

GROSS TONS.

How many tons of LIMESTONE did you QUARRY in the WHOLE YEAR 1904? *None*
How many tons of LIMESTONE did you CONSUME in your furnaces in 1904? *347*
If you can not conveniently give exact figures of the limestone quarried and consumed a CLOSE ESTIMATE will answer.

FUEL USED.

Kind of Fuel used in the WHOLE YEAR 1904, *Charcoal*
Please state distinctly whether you used all coke, all raw bituminous coal, coke and raw coal mixed, all anthracite coal, anthracite coal and coke mixed, charcoal and coke mixed, or charcoal alone.

PIG IRON MADE—GROSS TONS.

KINDS OF PIG IRON.	GROSS TONS.
Total production of PIG IRON in the WHOLE YEAR 1904, excluding Spiegeleisen, Ferro-manganese, and Ferro-phosphorus, but including castings made direct from the furnace. <small>(If the works changed hands during this time please estimate the quantity of pig iron produced by the previous operators.)</small>	<i>6394</i>
Production of FERRO-MANGANESE in the WHOLE YEAR 1904	
Production of SPIEGELEISEN in the WHOLE YEAR 1904	
Production of FERRO-PHOSPHORUS in the WHOLE YEAR 1904	
Total production of all kinds of Pig Iron, Spiegeleisen, Ferro-manganese, etc.	
How much of the TOTAL PRODUCTION OF PIG IRON was—	
BESSEMER PIG IRON? (from 0.04 to 0.10 per cent. in Phosphorus)	
LOW-PHOSPHORUS PIG IRON? (below 0.04 per cent. in Phosphorus)	
MALLEABLE BESSEMER PIG IRON?	
BASIC PIG IRON?	
FOUNDRY PIG IRON?	
FORGE PIG IRON? <i>Charcoal non-Bessemer</i>	<i>6394</i>
FERRO-SILICON? (7 per cent. and over in Silicon)	
WHITE and MOTTLED and other miscellaneous grades of PIG IRON and CASTINGS made direct from the furnace?	

UNSOLD STOCKS—GROSS TONS.

GROSS TONS.

Stock of Pig Iron ON HAND AND UNSOLD on December 31, 1904, both at the furnace and in the hands of your agents, and which is NOT for your own consumption *6520*
Do NOT include Pig Iron on hand and SOLD or Pig Iron in STORAGE WARRANT YARDS.

WARRANT YARD IRON—GROSS TONS.

GROSS TONS.

In ADDITION to the above how much Pig Iron WHICH YOU STILL OWNED did you have stored with the American Pig Iron Storage Warrant Company on December 31, 1904? *None*
In ADDITION to the Pig Iron on hand and unsold as reported above, how much iron WHICH YOU STILL OWNED did you have stored in YARDS OTHER THAN THOSE CONTROLLED by the American Pig Iron Storage Warrant Company on December 31, 1904? *None*

If you made no pig iron at all in 1904, and had no unsold iron on hand on December 31, please so advise us, as it is important that we should have this information.

Signature

STATEMENTS MUST BE MADE AND SWORN TO.
(SEE BELOW.)

SECTION 18. Each assessing officer shall require every person whom he believes has property which is not exempt from taxation, to make and subscribe to a true and correct written statement, under oath, of all taxable property of such person, firm or corporation, whether owned by him or held for the use of another.

SECTION 21. In every case where any person or member of any firm or officer of any corporation, shall wilfully neglect or refuse to make out and DELIVER a true and correct sworn statement under oath, or shall swear falsely or refuse to answer questions concerning his property or property under his control, as required by this Act, such person shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be punished by imprisonment in the county jail not less than thirty days nor more than six months, or by a fine not less than \$100 nor more than \$1,000, or by both such fine and imprisonment in the discretion of the court. And it shall be the duty of the assessing officer whenever he is satisfied that any person, liable to make such assessing statement is justly liable to such penalty, to report the case to the prosecuting attorney and make proper complaint for such prosecution.

SECTION 22. If the assessing officer shall be satisfied that any statement so made is incorrect, or if, by reason of absence or other cause, said sworn statement cannot be obtained from the person, firm or corporation whose property is so assessed, said assessing officer is hereby authorized and required to examine on oath any other person or persons whom he may have good reason to believe has knowledge of the amount or value of any property owned, held or controlled by such persons so neglecting or refusing or omitting to be examined or to furnish said statement, and such assessing officer is hereby authorized to set down and assess to such person, firm or corporation, such amount of real and personal property as he may deem just and right.

SECTION 24. If the supervisor or assessing officer has reason to believe that the person making the statement has undervalued the real or personal property, he (the assessing officer) is not bound to accept even a sworn statement as to such value. Sec. 24 says: "In determining the property to be assessed and estimating its value the supervisor shall not be bound to follow the statements of any person, but shall exercise his own judgment." This directs the assessing officer to use his own judgment as to the amount or value of real or personal property assessable to any person or corporation.

PERSONAL PROPERTY EXEMPTED.

SECTION 9. Am. Act 25 of 1895 (3832). The following personal property shall be exempted from taxation, to wit:

First. The personal property of benevolent, charitable, educational and scientific institutions, incorporated under the laws of this State: *Provided,* That such exemptions shall not apply to secret or fraternal societies, but the personal property of all charitable homes of such societies shall be exempt;

Second. Of all library associations, circulating libraries, libraries of reference, and reading rooms owned or supported by the public, and not used for gain;

Third. Of all posts of the grand army of the republic, sons of veterans, union veterans' unions, and of the women's relief corps connected therewith, of all young men's christian associations, and of the women's christian temperance union associations, young people's christian unions, and other similar associations;

Fourth. Pensions receivable from the United States;

Fifth. So much of the debts due or to become due as shall equal the amount of bona fide and unconditional debts by the person owing;

Sixth. The property of Indians who are not citizens;

Seventh. The library, family pictures, school books, one sewing machine used and owned by each individual or family and wearing apparel of every individual;

Eighth. Household furniture, provisions, fuel to the value of five hundred dollars to each household: *Provided,* No person paying board shall be deemed a householder;

Ninth. The working tools of any mechanic not to exceed in value the sum of one hundred dollars;

Tenth. Of all fire engines and other implements used in extinguishing fires, owned or used by any organized or independent fire company;

Eleventh. All mules, horses and cattle not over one year old, all sheep and swine not over six months old, and all domesticated birds;

Twelfth. Personal property owned and used by any householder, in connection with his business, of the value of two hundred dollars;

SUB. 8. A corporation is not a householder, a partnership is not a householder; there can be no exemption in favor of a partner or in favor of a partnership as a whole, from property of any kind owned by a partnership (Opinion by Attorney General Oren, April, 1900).

SUB. 12. This exemption is allowed to a householder only. If a householder carries on more than one kind of business he can have but *one* exemption under this subdivision.

GENERAL.

1905

Act No. 206, Laws of 1893, as amended.

(TO BE FILLED BY ASSESSORS ONLY)

NAME

Address

ALL STATEMENTS SENT BY MAIL NOT PROPERLY MADE OUT AND SWORN TO WILL BE CONSIDERED AS NOT HAVING BEEN MADE.

Amount as per statement, - - \$ **25**

Personal Assessment, Chattels - \$

Mortgage " - - - - \$

Credits " - - - - \$

Bank Stock " - - - - \$

Vessel " - - - - \$

Total Assessment - - \$

Note if mortgages are offset,

Assessed by

Ward

Page

Filed

38

Copy

READ CAREFULLY THE LAW PRINTED ON PAGE 4 OF THIS BLANK.

1905.

GENERAL TAX STATEMENT.

Assessments of personal property are to be made as of the second Monday of April (except where city charter contains contrary provisions) and the amount, condition and value of all personal property on that date should be given.

Every question must be answered, either by stating the amount or value of property, or by writing "None" in proper space. Statements returned to assessor by mail not properly made out and sworn to will not be accepted.

STATEMENT OF PROPERTY OF The Central Land & Sinks Company Limited
Grand Rapids

No. 901 Mich. Trust Bldg Street.

PERSONAL PROPERTY—CREDITS.

	Value by Person Making Statement.	Value by Supervisor or Assessor.
1. All deposits in banks, trust companies, or with any corporation, firm or individual in this or any other State or country.....	\$ <u>253.45</u>	\$
2. All debentures, certificates of deposit, certified checks and other evidences of credit held by me against any bank, trust company or corporation, firm or individual.....	<u>none</u>	.....
3. All bonds. (This includes bonds of every name and description, except United States Government bonds.)..... <small>Bonds should be listed on page 3.</small>	<u>none</u>	.....
4. All annuities.....	<u>none</u>	.....
5. Royalties from mines or patent rights.....	<u>none</u>	.....
6. Amount of all notes, claims or demands secured by chattel mortgage. (This includes mortgages on property in this or any other State or country, whether recorded or unrecorded)..... <small>These may be listed on page 3.</small>	<u>none</u>	.....
7. Amount of all notes, claims or demands secured by real estate mortgage. (This includes mortgages on property in this or any other State or country, whether recorded or unrecorded)..... <small>Mortgages should be listed on page 3.</small>	<u>none</u>	.....
8. Amount of all book accounts and bills receivable, not secured by mortgage, whether debtor resides in Michigan or elsewhere.....	<u>2800.00</u>	.....
9. All sums due or to become due on land contracts, recorded or unrecorded. (Whether land is in Michigan or elsewhere)..... <small>Land contracts should be listed on page 3.</small>	<u>none</u>	.....
10. All sums and amounts due or to become due from any person, firm or corporation, public or private, whether debtor resides in this State or elsewhere, and not above enumerated..... <small>These should be listed on page 3.</small>	<u>none</u>	.....
11. Has the person by or for whom statement is made any taxable property of any description—credits or chattels—in his possession or under his control as agent, guardian, trustee, attorney or in any representative capacity? (If answer is "Yes" a separate statement of same must be made.).....	<u>none</u>	.....
Answer, yes or no.— <u>No.</u>		
TOTAL CREDITS (To be filled in by Assessor).....	\$ <u>253.45</u>	\$

DEBITS—DEDUCTIONS CLAIMED.

Debts may be deducted from credits only, and to entitle the taxpayer to this deduction he must make "an itemized statement in detail of his debts, how secured, to whom owing and the residence of his creditors, and the amount due each." Partners cannot deduct their individual debts from partnership credits.

DESCRIPTION OF DEBT.	HOW SECURED.	NAME AND RESIDENCE OF CREDITORS.	AMOUNT.
<u>Open a/c.</u>	<u>—</u>	<u>Ed Smith Marquette</u>	\$ <u>2716.00</u>
<u>"</u>	<u>—</u>	<u>Samuel P. Sinder Memphis</u>	\$ <u>940.64</u>
.....	\$
.....	\$
.....	\$
TOTAL DEDUCTIONS (To be taken from total credits by Assessor).....	\$ <u>3656.64</u>

NET CREDITS (To be filled in by Assessing Officer).....

Add this amount to value of chattels, on page 2.

PERSONAL PROPERTY--CHATELS.

	Value by Person Making Statement.	Value by Super- visor or Assessor.
1. Bank stock owned—(Give name and location of banks and number of shares of each owned)	<i>none.</i>	
2. Shares in foreign corporations, that is, organized under the laws of any other State or country, except National Banks. Shares of National Banks located in other states are not assessable in Michigan.	<i>none.</i>	
3. Shares in other corporations (except banks) organized under the laws of Michigan when the property of such corporation is not exempt nor taxable to itself.	<i>none.</i>	
4. All moneys on hand, in safety deposit vault or in transit	<i>none.</i>	
5. All gold and silver plate, watches, diamonds and jewelry.	<i>none.</i>	
6. All household furniture above the value of five hundred dollars. (Household furniture, provisions and fuel to the extent of five hundred dollars are exempt to each householder).	<i>none.</i>	
7. All billiard and pool tables, property used therewith and other similar property	<i>none.</i>	
8. All patent rights.	<i>none.</i>	
9. All domestic animals not exempt—give number and kind. (Mules, horses and cattle under one year old and sheep and swine under six months old are exempt)	<i>none.</i>	
10. All carriages, sleighs and other vehicles kept for pleasure or hire	<i>none.</i>	
11. All mechanical and agricultural implements and tools. (The working tools of a mechanic to the value of one hundred dollars are exempt.)	<i>none.</i>	
12. All machinery not affixed to real property	<i>none.</i>	
13. All ships, boats, vessels and other water craft or interest therein, whether at home or abroad, giving names insurance rate and value of each	<i>none.</i>	
14. All office or store furniture and fixtures, safes, cash registers, or other personal property used in connection with his business. (A householder has an exemption of two hundred dollars from this class of property, or from personal property used in connection with his business.)	<i>none.</i>	
15. All goods and property of every kind manufactured and in process of manufacture.	<i>none.</i>	
16. All merchandise and stock in trade, including grain in elevators and manufactured salt.	<i>none.</i>	
17. Value of all logs, timber, lumber, posts, ties, telegraph and telephone poles, shingles, pickets, lath, cordwood, pulp wood, tan bark, hoop timber, hoops, staves, heading, or other forest products and the distinctive marks thereon, if any, and places of destination in this State. <small>These should be listed on page 3.</small>	<i>none.</i>	
18. All other goods, chattels and personal property not hereinbefore mentioned, and the location of same.		
a. All buildings and improvements situated on leased land, including elevators, warehouses and the contents thereof, when the title to land is in a railroad corporation.	<i>none.</i>	
b. All hay, grain and other cereals and products.	<i>none.</i>	
c. All personal property in other states or countries not permanently there invested and not mentioned above.	<i>none.</i>	
d. All patterns.	<i>none.</i>	
e. Any and all other personal property not herein listed.	<i>none.</i>	
19. Amount of last inventory, \$ <u><i>none</i></u> ; when taken _____.		
20. Amount of insurance carried: On personal, \$ <u><i>none</i></u> ; on real, \$ <u><i>none</i></u> .		
Total value of taxable chattels (To be filled in by Assessing Officer)	\$	\$
Total net credits brought over (To be filled in by Assessing Officer)	\$	\$
GRAND TOTAL VALUE OF PERSONAL PROPERTY ASSESSABLE	\$	\$

C-1960

1905

No.....

FOREIGN CORPORATION.

ANNUAL REPORT

—OF—

The

.....

.....Company,

State of.....

Authorized capital stock, - \$.....

Proportion represented by prop-
erty and business in Ohio, \$.....

Annual fee, - - - - \$.....

Filed in the office of the Secretary of State,
at Columbus, Ohio, on the.....day of

.....A. D. 1905.

.....
Secretary of State.

1905.

ANNUAL REPORT OF A FOREIGN CORPORATION.

This report must be filed with the Secretary of State during the month of September. The annual fee of one-tenth of one per cent. is based upon the proportion of the authorized capital stock represented by property and business in Ohio, but not less than \$10.00 in any case. THE PROPER ANNUAL FEE MUST ACCOMPANY THE REPORT and may be paid by draft, certified check, express or postal order, payable to the order of the Secretary of State.

A foreign corporation receiving a certificate or beginning to do business in this State after March 1st, 1905, is not required to file its annual report until September, 1906.

N. B.—All items called for in this blank must be given in full.

.....1905.

TO THE SECRETARY OF STATE, COLUMBUS, OHIO:

The undersigned, a foreign corporation, in compliance with an act of the General Assembly, entitled "An act to require corporations to file annual reports with the Secretary of State, and to pay annual fees therefor," passed April 11, 1902, hereby makes the following report:

1. The name of said corporation is, The

.....Company,

a corporation organized under the laws of the State of

2. Its principal office is located at

inCounty, State of

3. The names and addresses of its President, Secretary, Treasurer and Members of the Board of Directors, are:

	NAME.	ADDRESS.
President.....
Secretary.....
Treasurer.....
Board of Directors.

4. The date of the annual election of officers is

5. The authorized capital stock of said corporation is

.....Dollars.

(\$.....), divided into.....shares of \$.....each.

6. The amount of capital stock subscribed is.....

.....Dollars.

The amount of capital stock issued is.....

.....Dollars.

The amount of capital stock paid up is.....

.....Dollars.

Extra annual copy

7. The nature and kind of business in which the corporation is engaged is

.....

Said business is carried on at the following places:.....

.....

8. The following are the officers of the company located in Ohio, and the names of the officers and agents in charge of its business in Ohio:

NAME OF OFFICER.	NAME OF OFFICE OR AGENCY.	P. O. ADDRESS.
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

9. The value of the property owned and used by said Company in Ohio and its location is as follows:

(N. B. The values of each of the following items must be given separately, viz.: Real estate, trade marks, patents, good will, leases, other personal property.)

LOCATION.		PROPERTY.	
OHIO.	CITY OR TOWN.	KIND OF PROPERTY.	VALUE.
.....	\$.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

Total value of property in the State of Ohio \$.....

Value and location of the property of the corporation outside of Ohio:

LOCATION.		PROPERTY.	
STATE.	CITY OR TOWN.	KIND OF PROPERTY.	VALUE.
.....	\$.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

Total value of property outside of the State of Ohio \$.....

10. The proportion of the authorized capital stock of the company represented by property owned and used and by business transacted in Ohio is.....

11. The following changes have been made since filing the last annual report:

DATE.	AMOUNT OF INCREASE.	DATE.	AMOUNT OF REDUCTION.
.....
.....
.....

IN WITNESS WHEREOF, Said corporation has caused its corporate seal to be hereto attached, and this report to be executed, by its President and Secretary, this..... day of1905.

The..... Company

By.....
President.

[SEAL]

.....
Secretary.

State of....., County of....., ss.

.....being duly sworn, deposes and says

that he is the.....of The.....

..... Company;

that he executed the foregoing statement in the name of and on behalf of said corporation, and caused its corporate seal to be thereto affixed; that he was authorized to make said statement, and to execute the same, by authority of the corporation, and that the statements therein are true.

Sworn to before me, and subscribed in my presence, this..... day of.....

A. D. 1905.

[SEAL]

OFFICE OF THE SECRETARY OF STATE.

Columbus, Ohio,1905.

Upon an examination of the foregoing report, and from my knowledge of other facts of

The..... Company,

I find the proportion of the authorized capital stock of said corporation represented by its property and business in Ohio to be

..... per cent, viz:..... Dollars

(\$.....), upon which I hereby charge and assess a fee of one-tenth of one per cent., amounting to

..... Dollars (\$.....)

.....
Secretary of State.

No. ²¹¹ 211 CONFIDENTIAL.

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Please return PROMPTLY in accompanying envelope, which requires no postage, to JOHN BIRKINBINE, Odd Fellows' Temple, Broad and Cherry streets, Philadelphia, Pa.

STATISTICS OF IRON ORE.

For use only in the preparation of general data for the "Mineral Resources of the United States, 1904," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1904, at the

Salisbury
[Give name or designation of mine.]

Located at Ishpeming

County of Marquette State of Mich

Information supplied by Wm. G. Mather
President

Cleveland, Ohio

[Sign here, giving name, official position, and post-office address.]

A. Underscore character of iron ore produced, and if more than one of the following classes is mined give quantities of each:

Long tons.

Limonite, brown hematite, or bog ore

Red hematite, specular or fossil ore

Magnetic ore

Carbonate or black band ore

B. State total amount of marketable iron ore mined or produced during the year ending December 31, 1904.

150,039 long tons.

[If none, so state.]

Also stock of iron ore on hand at MINE December 31, 1904.

78,179 long tons.

[If none, so state.]

C. Give total value on cars or carts AT THE MINE of the iron ore produced during the year ending December 31, 1904, royalty, if any, included, but exclusive of hauling to points of shipment or consumption. The gross commercial value of the ore at the mine, NOT the cost or profit, is asked for.

\$ 271,415.78

15243b1800-10-04

Salisbury 1903 1904
Bess 3.46 2.28
Salisbury 2.34 1.70

Salis. 104,947 @ 1.70 = 178,409.90
" Bess 28,306 " 2.28 = 64,537.68
Clinton 16,746 " 1.70 = 28,468.20

No. ²⁵⁶ 256 CONFIDENTIAL.

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Please return PROMPTLY in accompanying envelope, which requires no postage, to JOHN BIRKINBINE, Odd Fellows' Temple, Broad and Cherry streets, Philadelphia, Pa.

STATISTICS OF IRON ORE.

For use only in the preparation of general data for the "Mineral Resources of the United States, 1904," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1904, at the

Ashland
[Give name or designation of mine.]

Located at Ironwood

County of Gogebic State of Mich

Information supplied by Wm. G. Mather
President

Cleveland, Ohio

[Sign here, giving name, official position, and post-office address.]

A. Underscore character of iron ore produced, and if more than one of the following classes is mined give quantities of each:

Long tons.

Limonite, brown hematite, or bog ore

Red hematite, specular or fossil ore

Magnetic ore

Carbonate or black band ore

B. State total amount of marketable iron ore mined or produced during the year ending December 31, 1904.

268,354 long tons.

[If none, so state.]

Also stock of iron ore on hand at MINE December 31, 1904.

90,170 long tons.

[If none, so state.]

C. Give total value on cars or carts AT THE MINE of the iron ore produced during the year ending December 31, 1904, royalty, if any, included, but exclusive of hauling to points of shipment or consumption. The gross commercial value of the ore at the mine, NOT the cost or profit, is asked for.

\$ 562,714.60

15243b1800-10-04

Ashland 1903 1904
Taylor 2.98 2.10
Taylor 2.50 1.70

Ashland 1432 tons @ 1.70 = 2,434.40
Ashland 266,282 " " 2.10 = 559,192.20
Taylor 640 " " 1.70 = 1,088.00

192
No. 192

CONFIDENTIAL.

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Please return PROMPTLY in accompanying envelope, which requires no postage, to JOHN BIRKINBINE, Odd Fellows' Temple, Broad and Cherry streets, Philadelphia, Pa.

STATISTICS OF IRON ORE.

For use only in the preparation of general data for the "Mineral Resources of the United States, 1904," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1904, at the

Cliffs Shaft
[Give name or designation of mine.]

Located at *Ishpeming*

County of *Marquette* State of *Mich*

Information supplied by *Wm. G. Mather*
President

Cleveland, Ohio
[Sign here, giving name, official position, and post-office address]

A. Underscore character of iron ore produced, and if more than one of the following classes is mined give quantities of each:

Long tons.

Limonite, brown hematite, or bog ore

Red hematite, specular or fossil ore

Magnetic ore

Carbonate or black band ore

B. State total amount of marketable iron ore mined or produced during the year ending December 31, 1904.

170,311 long tons.
[If none, so state.]

Also stock of iron ore on hand at MINE December 31, 1904.

133,893 long tons.
[If none, so state.]

C. Give total value on cars or carts AT THE MINE of the iron ore produced during the year ending December 31, 1904, royalty, if any, included, but exclusive of hauling to points of shipment or consumption. The gross commercial value of the ore at the mine, NOT the cost or profit, is asked for.

15243b1800-10-04
Crushed \$ *401,648.30*
Rumpf (Over) 1903 1904
3.46 2.30
2.60

Crushed 137,201 @ 230 = 315,562.30
Rumpf 33,110 " 260 = 86,086.00

190
No. 190

CONFIDENTIAL.

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Please return PROMPTLY in accompanying envelope, which requires no postage, to JOHN BIRKINBINE, Odd Fellows' Temple, Broad and Cherry streets, Philadelphia, Pa.

STATISTICS OF IRON ORE.

For use only in the preparation of general data for the "Mineral Resources of the United States, 1904," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1904, at the

Cleveland Hard Ore
[Give name or designation of mine.]

Located at *Ishpeming*

County of *Marquette* State of *Mich*

Information supplied by *Wm. G. Mather*
President

Cleveland, Ohio
[Sign here, giving name, official position, and post-office address]

A. Underscore character of iron ore produced, and if more than one of the following classes is mined give quantities of each:

Long tons.

Limonite, brown hematite, or bog ore

Red hematite, specular or fossil ore *None*

Magnetic ore

Carbonate or black band ore

B. State total amount of marketable iron ore mined or produced during the year ending December 31, 1904.

None long tons.
[If none, so state.]

Also stock of iron ore on hand at MINE December 31, 1904.

82,793 long tons.
[If none, so state.]

C. Give total value on cars or carts AT THE MINE of the iron ore produced during the year ending December 31, 1904, royalty, if any, included, but exclusive of hauling to points of shipment or consumption. The gross commercial value of the ore at the mine, NOT the cost or profit, is asked for.

15243b1800-10-04 \$ *None*

182
No. 182 CONFIDENTIAL.

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Please return PROMPTLY in accompanying envelope, which requires no postage, to JOHN BIRKINBINE, Odd Fellows' Temple, Broad and Cherry streets, Philadelphia, Pa.

STATISTICS OF IRON ORE.

For use only in the preparation of general data for the "Mineral Resources of the United States, 1904," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1904, at the

Austin
[Give name or designation of mine.]

Located at *Puncetown*

County of *Marquette* State of *Mich*

Information supplied by *W G Mather*
President

Cleveland, Ohio
[Sign here, giving name, official position, and post-office address.]

A. Underscore character of iron ore produced, and if more than one of the following classes is mined give quantities of each:

- Long tons.
- Limonite, brown hematite, or bog ore
- Red hematite, specular or fossil ore
- Magnetic ore
- Carbonate or black band ore

B. State total amount of marketable iron ore mined or produced during the year ending December 31, 1904.

30,919 long tons.
[If none, so state.]

Also stock of iron ore on hand at MINE December 31, 1904.
33873 long tons.
[If none, so state.]

C. Give total value on cars or carts AT THE MINE of the iron ore produced during the year ending December 31, 1904, royalty, if any, included, but exclusive of hauling to points of shipment or consumption. The gross commercial value of the ore at the mine, NOT the cost or profit, is asked for.

15243b1800-10-04

<i>Austin</i>	<i>1903</i>	<i>1904</i>
<i>Beas</i>	<i>4.00</i>	<i>2.28</i>
<i>" Non-Beas</i>		<i>1.70</i>

Austin Beas 12,849 @ 2.28 = 29,295.72
" " 18,060 " 1.70 = 30,702.00

191
No. 191 CONFIDENTIAL.

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Please return PROMPTLY in accompanying envelope, which requires no postage, to JOHN BIRKINBINE, Odd Fellows' Temple, Broad and Cherry streets, Philadelphia, Pa.

STATISTICS OF IRON ORE.

For use only in the preparation of general data for the "Mineral Resources of the United States, 1904," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1904, at the

Cleveland Lake
[Give name or designation of mine.]

Located at *Ishpeming*

County of *Marquette* State of *Mich*

Information supplied by *W G Mather*
President

Cleveland, Ohio
[Sign here, giving name, official position, and post-office address.]

A. Underscore character of iron ore produced, and if more than one of the following classes is mined give quantities of each:

- Long tons.
- Limonite, brown hematite, or bog ore
- Red hematite, specular or fossil ore
- Magnetic ore
- Carbonate or black band ore

B. State total amount of marketable iron ore mined or produced during the year ending December 31, 1904.

298,914 long tons.
[If none, so state.]

Also stock of iron ore on hand at MINE December 31, 1904.
86,323 long tons.
[If none, so state.]

C. Give total value on cars or carts AT THE MINE of the iron ore produced during the year ending December 31, 1904, royalty, if any, included, but exclusive of hauling to points of shipment or consumption. The gross commercial value of the ore at the mine, NOT the cost or profit, is asked for.

15243b1800-10-04

<i>Lake Beas</i>	<i>1903</i>	<i>1904</i>
<i>Lake</i>	<i>3.49</i>	<i>2.28</i>
<i>Lake Beas, Sil.</i>	<i>1.25</i>	<i>1.70</i>

Lake Beas 84,836 @ 2.28 = 193,448.88
Lake 206,974 " 1.70 = 351,855.80
Lake Beas, Sil. 7,104 @ 1.00 = 7,104.00

No. ²⁰¹
~~210~~

CONFIDENTIAL.

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

To be returned PROMPTLY in accompanying envelope, which requires no postage, to JOHN BIRKINBINE, Odd Fellows' Temple, Broad and Cherry streets, Philadelphia, Pa.

IRON ORE. (B.)

Statistics of IRON ORE MINED during the year ending December 31, 1903, at the

Maas,

[Give name or designation of mine.]

Located at Negaunee

County of Marquette State of Mich.

Information supplied by Wm. G. Mather
President

Cleveland, Ohio

[Sign here, giving name, official position, and post-office address.]

For use only in the preparation of general statistics for the "Mineral Resources of the United States, 1903," to be published by the United States Geological Survey.

A. Underscore character of iron ore produced, and if more than one of the following classes is mined give quantities of each:

- Limonite, brown hematite, or bog ore.....
- Red hematite, specular or fossil ore.....
- Magnetic ore
- Carbonate or black band ore

B. State total amount of marketable iron ore mined or produced during the year ending December 31, 1903.

(Sinking Shaft) None long tons.
[If none, so state.]

Also stock of iron ore on hand at MINE December 31, 1903.
None long tons.
[If none, so state.]

C. Give total value on cars or carts AT THE MINE of the iron ore produced during the year ending December 31, 1903, royalty, if any, included, but exclusive of hauling to points of shipment or consumption. The gross commercial value of the ore at the mine, NOT the cost or profit, is asked for.

\$ None

D. Is there objection to the FIGURES OF OUTPUT ONLY being credited to your mine in the report when published.

Answer. No

105465300-11-03

Copy

No. ²⁰⁴
204

CONFIDENTIAL.

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Please return PROMPTLY in accompanying envelope, which requires no postage, to JOHN BIRKINBINE, Odd Fellows' Temple, Broad and Cherry streets, Philadelphia, Pa.

STATISTICS OF IRON ORE.

For use only in the preparation of general data for the "Mineral Resources of the United States, 1904," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1904, at the

Negaunee

[Give name or designation of mine.]

Located at Negaunee

County of Marquette State of Mich

Information supplied by W. G. Mather
President

Cleveland, Ohio

[Sign here, giving name, official position, and post-office address.]

A. Underscore character of iron ore produced, and if more than one of the following classes is mined give quantities of each:

- Long tons.
- Limonite, brown hematite, or bog ore
- Red hematite, specular or fossil ore
- Magnetic ore
- Carbonate or black band ore

B. State total amount of marketable iron ore mined or produced during the year ending December 31, 1904.

150,726 long tons.
[If none, so state.]

Also stock of iron ore on hand at MINE December 31, 1904.
19080 long tons.
[If none, so state.]

C. Give total value on cars or carts AT THE MINE of the iron ore produced during the year ending December 31, 1904, royalty, if any, included, but exclusive of hauling to points of shipment or consumption. The gross commercial value of the ore at the mine, NOT the cost or profit, is asked for.

\$ 286,600.95

15243b1800-10-04

Neg. Bess 1904
Neg. non Bess 1.95
1.70

Neg. Bess 121,467 @ 1.95 = 236,860.65
" non " 29,259 @ 1.70 = 49,740.30

200
No. 200

CONFIDENTIAL

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Please return PROMPTLY in accompanying envelope, which requires no postage, to JOHN BIRKINBINE, Odd Fellows' Temple, Broad and Cherry streets, Philadelphia, Pa.

STATISTICS OF IRON ORE.

For use only in the preparation of general data for the "Mineral Resources of the United States, 1904," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1904, at the

Lucy
[Give name or designation of mine.]

Located at *Negaunee*

County of *Marquette* State of *Mich*

Information supplied by *Wm. G. Mather*

President

Cleveland, Ohio

[Sign here, giving name, official position, and post-office address.]

A. Underscore character of iron ore produced, and if more than one of the following classes is mined give quantities of each:

Long tons.

Limonite, brown hematite, or bog ore

Red hematite, specular or fossil ore

Magnetic ore

Carbonate or black band ore

B. State total amount of marketable iron ore mined or produced during the year ending December 31, 1904.

(Temporarily Suspended) None long tons.
[If none, so state.]

Also stock of iron ore on hand at MINE December 31, 1904.

2411 long tons.
[If none, so state.]

C. Give total value on cars or carts AT THE MINE of the iron ore produced during the year ending December 31, 1904, royalty, if any, included, but exclusive of hauling to points of shipment or consumption. The gross commercial value of the ore at the mine, NOT the cost or profit, is asked for.

\$ *None*

15243b1800-10-04

259
No. ~~306~~

CONFIDENTIAL

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

To be returned PROMPTLY in accompanying envelope, which requires no postage, to JOHN BIRKINBINE, Odd Fellows' Temple, Broad and Cherry streets, Philadelphia, Pa.

IRON ORE. (A.)

Statistics of IRON ORE MINED during the year ending December 31, 1903, at the

Crosby
[Give name or designation of mine.]

Located at *Nashwauk*

County of *Itasca* State of *Minnesota*

Information supplied by *W. G. Mather*

President

Cleveland, Ohio

[Sign here, giving name, official position, and post-office address.]

For use only in the preparation of general statistics for the "Mineral Resources of the United States, 1903," to be published by the United States Geological Survey.

A. Underscore character of iron ore produced, and if more than one of the following classes is mined give quantities of each:

Limonite, brown hematite, or bog ore.....

Red hematite, specular or fossil ore.....

Magnetic ore

Carbonate or black band ore.....

B. State total amount of marketable iron ore mined or produced during the year ending December 31, 1903.

None long tons.
[If none, so state.]

Also stock of iron ore on hand at MINE December 31, 1903.

None long tons.
[If none, so state.]

C. Give total value on cars or carts AT THE MINE of the iron ore produced during the year ending December 31, 1903, royalty, if any, included, but exclusive of hauling to points of shipment or consumption. The gross commercial value of the ore at the mine, NOT the cost or profit, is asked for.

\$ *None*

10544b1800-11-03

No. 224.

CONFIDENTIAL.

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

To be returned PROMPTLY in accompanying envelope, which requires no postage, to JOHN BIRKINBINE, Odd Fellows' Temple, Broad and Cherry streets, Philadelphia, Pa.

Statistics of Iron Ore
~~IRON ORE. (A.)~~

Statistics of IRON ORE MINED during the year ending December 31, 1903, at the

Fildor Ogden
[Give name or designation of mine.]

Located at *Ishteping*

County of *Marquette* State of *Mich.*

Information supplied by *W. E. Mather*
President

Cleveland Ohio.
[Sign here, giving name, official position, and post-office address.]

For use only in the preparation of general statistics for the "Mineral Resources of the United States, 1903," to be published by the United States Geological Survey.

A. Underscore character of iron ore produced, and if more than one of the following classes is mined give quantities of each:

Limonite, brown hematite, or bog ore.....

Red hematite, specular or fossil ore.....

Magnetic ore.....

Carbonate or black band ore.....

B. State total amount of marketable iron ore mined or produced during the year ending December 31, 1903.

Temporarily suspended! None long tons.
[If none, so state.]

Also stock of iron ore on hand at MINE December 31, 1903.

None long tons.
[If none, so state.]

C. Give total value on cars or carts AT THE MINE of the iron ore produced during the year ending December 31, 1903, royalty, if any, included, but exclusive of hauling to points of shipment or consumption. The gross commercial value of the ore at the mine, NOT the cost or profit, is asked for.

\$ *None*

10544b1800-11-03

^{210-A}
No. 230.

CONFIDENTIAL.

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

To be returned PROMPTLY in accompanying envelope, which requires no postage, to JOHN BIRKINBINE, Odd Fellows' Temple, Broad and Cherry streets, Philadelphia, Pa.

Statistics of Iron Ore, etc.
~~IRON ORE. (A.)~~

Statistics of IRON ORE MINED during the year ending December 31, 1903, at the

Webster.
[Give name or designation of mine.]

Located at *Near Michigamme*

County of *Baraga* State of *Mich.*

Information supplied by *W. E. Mather*
President

Cleveland Ohio.
[Sign here, giving name, official position, and post-office address.]

For use only in the preparation of general statistics for the "Mineral Resources of the United States, 1903," to be published by the United States Geological Survey.

A. Underscore character of iron ore produced, and if more than one of the following classes is mined give quantities of each:

Limonite, brown hematite, or bog ore.....

Red hematite, specular or fossil ore.....

Magnetic ore.....

Carbonate or black band ore.....

B. State total amount of marketable iron ore mined or produced during the year ending December 31, 1903.

operations temporarily suspended
None long tons.
[If none, so state.]

Also stock of iron ore on hand at MINE December 31, 1903.

None long tons.
[If none, so state.]

C. Give total value on cars or carts AT THE MINE of the iron ore produced during the year ending December 31, 1903, royalty, if any, included, but exclusive of hauling to points of shipment or consumption. The gross commercial value of the ore at the mine, NOT the cost or profit, is asked for.

\$ *None*

10544b1800-11-03

Copy

209a
No. 229

CONFIDENTIAL

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

To be returned PROMPTLY in accompanying envelope, which requires no postage, to JOHN BIRKINBINE, Odd Fellows' Temple, Broad and Cherry streets, Philadelphia, Pa.

Statistics of Iron Ore
IRON ORE. (A.)

Statistics of IRON ORE MINED during the year ending December 31, 1903, at the

Imperial.

[Give name or designation of mine.]

Located at *Near Michigamme*

County of *Baraga* State of *Mich.*

Information supplied by *W. G. Mather, Jr.*
President

Cleveland, Ohio

[Sign here, giving name, official position, and post-office address.]

For use only in the preparation of general statistics for the "Mineral Resources of the United States, 1903," to be published by the United States Geological Survey.

A. Underscore character of iron ore produced, and if more than one of the following classes is mined give quantities of each:

Limonite, brown hematite, or bog ore.....
Red hematite, specular or fossil ore.....
Magnetic ore.....
Carbonate or black band ore.....

B. State total amount of marketable iron ore mined or produced during the year ending December 31, 1903.

Temporarily suspended. None long tons.
[If none, so state.]

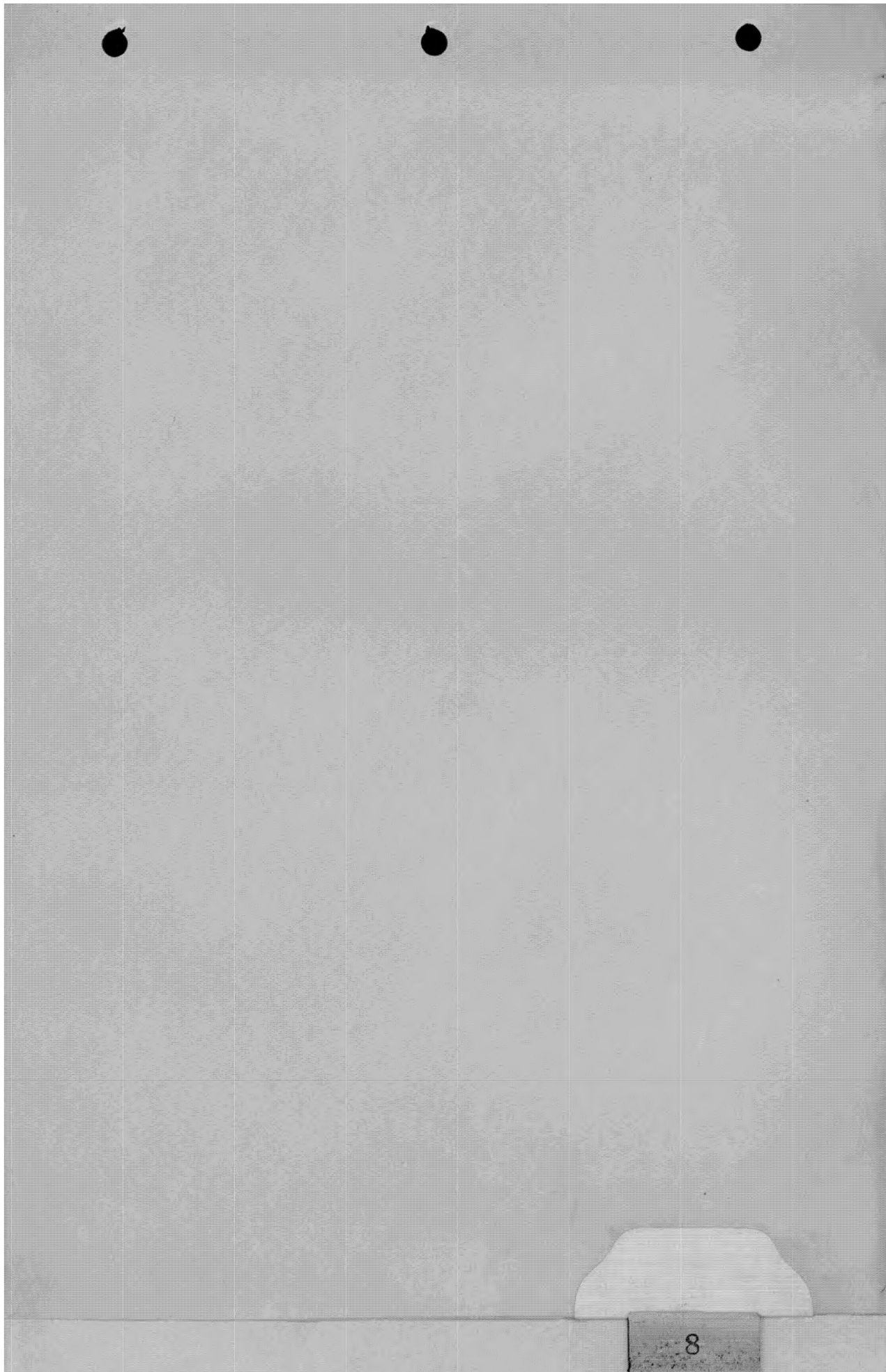
Also stock of iron ore on hand at MINE December 31, 1903.

6783 long tons.
[If none, so state.]

C. Give total value on cars or carts AT THE MINE of the iron ore produced during the year ending December 31, 1903, royalty, if any, included, but exclusive of hauling to points of shipment or consumption. The gross commercial value of the ore at the mine, NOT the cost or profit, is asked for.

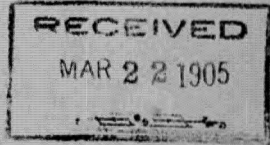
\$ *None*

10544b1800-11-03



DO NOT FOLD OR ROLL THIS BOOK.

ANNUAL REPORT



OF THE

Lake Superior and Ishpeming

RAIL *way* COMPANY

TO THE

COMMISSIONER OF RAILROADS

FOR THE

STATE OF MICHIGAN



1904

LANSING
WYNKOOP HALLENBECK CRAWFORD CO., STATE PRINTERS
1904

1904-E-32

ANNUAL REPORT

OF THE

Lake Superior and Ishpeming

RAIL *Way* COMPANY

TO THE

COMMISSIONER OF RAILROADS

FOR THE

STATE OF MICHIGAN



1904

LANSING
WYNKOOP HALLENBECK CRAWFORD CO., STATE PRINTERS
1904

Important Circular—Please Read.

OFFICE OF THE COMMISSIONER OF RAILROADS, }

Lansing, Mich., January 1, 1905. }

To Auditing and Accounting Officers Reporting to the Commissioner of Railroads for the State of Michigan:

Following are the blanks upon which you will please make up your returns to this office as required by law for the fiscal year ending December 31, 1904.

The forms now sent do not vary materially from those transmitted last year, and include no interrogatories not essential to a proper understanding at this department of the business and condition of your company during the year for which the report is made.

In the preparation of your report be careful to observe the following particulars:

1st. Answer all interrogatories in full as the same imply, and in any case do not refer to replies given in former years.

2nd. Carefully make all computations and footings as intended by the blanks, so that they may be checked at this office.

3rd. Be careful not to include earnings and expenses of your leased or proprietary roads with those of your main line, in the statements intended to show each separately.

4th. In case of the corporate reports of your leased or proprietary roads you *must* have them verified by the officers of the corporation proper, *and not by those of the lessee company*. This is requirement of law, and unless complied with the report will not be accepted at this office.

5th. Prepare the reports in triplicate, sending the original and duplicate to this office on or before the first of April next.

Very truly yours,

THERON W. ATWOOD,

Commissioner of Railroads.

OFFICERS OF THE COMPANY, WITH LOCATION OF OFFICES.

OFFICIAL POSITION.	NAME.	LOCATION OF OFFICE.
President,	<i>Wm. J. Mather</i>	<i>Cleveland, Ohio</i>
Vice-President,	<i>Jas. B. Laughlin</i>	<i>Pittsburgh Pa.</i>
Secretary,	<i>J.H. Nayh</i>	<i>Cleveland, Ohio</i>
Auditor,	<i>H.A. St. John</i>	<i>Marquette Mich.</i>
Treasurer,	<i>W. J. Pallack</i>	<i>Cleveland Ohio</i>
General Manager,	<i>H.R. Harris</i>	<i>Marquette Mich.</i>
General Superintendent,		
Assistant General Superintendent,		
Division Superintendents,	}	
Chief Engineer,		<i>P. C. Young</i>	Marquette Mich.
Superintendent of Telegraph,		
Cashier,		
General Passenger Agent,	<i>H.A. St. John</i>	<i>Marquette Mich.</i>
General Freight Agent,	<i>H.A. St. John</i>	<i>" "</i>
Attorney,	<i>Wm. P. Belden</i>	<i>Leopeming Mich.</i>
Receiver,		

Give name and address of officer to whom correspondence regarding this report should be addressed,

NAME *H.A. St. John* TITLE *Auditor* ADDRESS *Marquette Mich.*

DIRECTORS.

NAME.	POSTOFFICE ADDRESS.	TERM EXPIRES.
Wm G Mather	Cleveland Ohio	Feb'y 13th 1906
Jas B Laughlin	Pittsburgh Pa	" " "
Wm S Pollack	Cleveland Ohio	" " "
B. F. Jones Jr.	Pittsburgh Pa	" " "
J. H. Wade	New York N. Y.	" " "
W. R. Harris	Marquette Mich	" " "
Jas H Hoyle	Cleveland Ohio	" " "

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

- Said Feb. 17th. 1893 Amendment dated Sept. 17th. 1895*
1. When chartered or articles of association filed, *Feb. 24th. 1893*
 2. Number of stockholders at date of last election, *Ten*
 3. Number of stockholders in Michigan at same time, *Two*
 4. Amount of full paid stock held in Michigan at same date, \$ *125100⁰⁰*
 5. Date of annual meeting of stockholders, *Second Tuesday in February*
 6. Fiscal year of company ends, *December 31st*
 7. General offices of the company are located at *Marquette Mich.*

REMARKS.

REPORT

Of the *Lake Superior and Soudan* Rail *Way* Company,

FOR THE YEAR ENDING DECEMBER 31, 1904

GENERAL EXHIBIT.		DEBIT.		CREDIT.	
1.	Total earnings from operation,				15115100
2.	Total expenses, including taxes,	15858210			
3.	Net income or deficit,				743110
4.	Interest on funded debt,				✓
5.	Interest on unfunded debt,				✓
6.	Rentals of buildings, tracks, etc.,				✓
7.	Rentals of engines and cars,				✓
8.	Balance applicable to dividends,				✓
9.	Dividends declared (per cent),				✓
10.	Balance for the year, <i>Deficit</i>				743110
11.	Balance (profit and loss) last year,				21326754
12.	*Items not included in above, as follows,				
13.	Balance forward to next year,				20583644

ANALYSIS OF CAPITAL STOCK.

1.	Amount authorized by charter or articles of association,				100000000
2.	Par value of shares,		10000		
3.	Number of shares issued,	10000			
4.	Amount paid in on common,				100000000
5.	Amount paid in on preferred,				
6.	Amount paid in on shares not issued (number),				
7.	Total amount paid in, as per books of the Company,				100000000
8.	Paid in per mile of road owned by company—Miles,	19.94			5016046

*This answer should include as debits all disbursements for outlays not included in foregoing items, fixed charges, or operating expenses proper, also, as credits, receipts for other than earnings made from the operating of the road, or otherwise connected with the property, such as interest on securities, dividends on stock held by company, etc., etc., not taxable income.

ANALYSIS OF DEBT ACCOUNTS.

1. FUNDED DEBT.

CLASS, CHARACTER AND DATE OF ISSUE.	RATE OF INTEREST.	WHEN DUE.	WHERE PAYABLE.	AMOUNT OUTSTANDING.
<i>Sold Bonds Jan 1st 1896</i>	<i>6%</i>	<i>Jan 1st 1906</i>	<i>New York City</i>	<i>45500000</i>
Total funded debt,				\$ <i>45500000</i>

2. UNFUNDED DEBT.

FOR WHAT INCURRED?	IS THE SAME TO BE FUNDED OR HOW LIQUIDATED.	AMOUNT.
For construction,		
For equipment,		
For real estate,		
For renewals,		
For miscellaneous,	<i>Paid in Cash</i>	<i>14375000</i>
For current balances,	<i>" " "</i>	<i>100503493</i>
Total unfunded debt,		\$ <i>114878493</i>

3. RECAPITULATION.

Total funded debt,		<i>45500000</i>
Total unfunded debt,		<i>114878493</i>
Total debt liabilities,		\$ <i>160378493</i>
Amount of debt liabilities per mile of road [<i>199 1/2</i> miles],		<i>8043054</i>
Total amount of stock and debt,		\$ <i>760378493</i>
Stock and debt per mile of road [<i>199 1/2</i> miles],		<i>13058049</i>

GENERAL BALANCE SHEET.—Dr.

1. Construction account, <i>Lake Superior & Ishpeming Ry</i>		745 131 58		
2. Equipment account, <i>Lake Superior & Ishpeming Ry</i>		291 401 73	1036 532 84	
		350 840 14		
		21 000 00	371 840 14	
3. Other investments (specifying same.)				
<i>Ryghts of Way, Terminal Lands</i>				
<i>Contracts & Labor</i>			1000 000 00	
4. CASH ITEMS:				
Cash,		965 869		
Bills receivable,				
Due from agents,		748 00		
			1040 669	
5. OTHER ASSETS:				
Material and supplies,		38 130 72		
Sinking funds,				
*Debit balances from companies				
and individuals,		362 911 01	390 841 73	
6. Total,				\$ 2809 621 37

Give the aggregate of the Debit Balances and do not deduct your own liabilities from the amount of the item.

GENERAL BALANCE SHEET.—Cr.

1. Capital Stock,									1 000 000 00
2. Funded debt,									456 000 00
3. UNFUNDED DEBT:*									
Interest unpaid,									
Dividends unpaid,									
Notes payable,									1 437 000 00
Vouchers and accounts,									956 734 20
Other liabilities (list as follows):									
<i>Taxes Suspense</i>									48 300 73
									1 148 784 93
4. Profit and loss or income accounts,									206 836 44
5. Total,									2 809 621 37

*Give the total of these items, so that the total Unfunded Debt will correspond with the footing of the Unfunded Debt at page 7.

COST OF ROAD AND EQUIPMENT.

When in case of road purchased or leased, the original cost for construction and equipment can not be given by the present owners or lessees, statement below, numbered 2, may be filled up instead of one.

1. TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

1.	Total expended for construction and equipment	Lake Superior & Ishpeming Ry Co United Rock Co	1096971.72 312401.23	\$	1408372.95		
2.	Average cost per mile of road (not including sidings) [19 ⁹⁴ miles],				70630.54		
3.	Proportion of cost for Michigan.*						
		all					

2. PURCHASED BY PRESENT COMPANY.

1.	When purchased,						
2.	Original cost to present company, of road and equipment,						
3.	Amount expended since purchase, account of construction,						
4.	Amount expended since purchase, account of equipment,						
5.	Total cost to date of report,						
6.	Average cost per mile of road (not including sidings) [miles],						
7.	Proportion of cost for Michigan.*						
		None					

* Unless some very good reason exists to the contrary this proportion will be for the miles of road in this State compared with the whole. If made on a different basis, please state the reasons therefor.

*CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

	EXTENSIONS AND NEW SIDINGS.	2ND TRACK.	NEW BUILDINGS.	NEW FENCES.	MACHINERY AND TOOLS.	NEW LOCOMOTIVES.	NEW CARS.	TOTAL.
Main line, BRANCHES.								
LEASED OR PROPRIETARY ROADS.			<i>none</i>					
Total charges,	\$							

Total charges to property account as above, \$ _____
 Property sold and credited, - - - \$ _____
 Net addition to property account, - - - \$ _____

* The charges under this head should be included in the total cost as before stated, under the proper caption. The amounts here given being only for expenditures made during the year.

* ANALYSIS OF

I. PASSENGER.

	LOCAL FARES.	THROUGH FARES.	TOTAL PASSENGER FARES.	EXPRESS AND BAGGAGE.
Main line and branches, LEASED OR PROPRIETARY ROADS.—(Enter each separately.)				
Total passenger department earnings,				

2. FREIGHT.

	LOCAL TRAFFIC.	THROUGH TRAFFIC.
Main line and branches, LEASED OR PROPRIETARY ROADS.—(Enter each separately.)		
Total freight department earnings,		

* When the Road is wholly within the State of Michigan this need not be filled out but the Analysis of Earnings in Michigan on pages 14 and 15 must always be given.

*ANALYSIS OF

I. PASSENGER.

	LOCAL FARES.	THROUGH FARES.	TOTAL PASSENGER FARES.	EXPRESS AND BAGGAGE.
Main line and branches, <small>LEASED OR PROPRIETARY ROADS.—(Enter each separately.)</small>	243997	41766	285763	50585
Total passenger department earnings,	243997	41766	285763	50585

2. FREIGHT.

	LOCAL TRAFFIC.	THROUGH TRAFFIC.
Main line and branches, <small>LEASED OR PROPRIETARY ROADS.—(Enter each separately.)</small>	3269697	10386288
Total freight department earnings,	3269697	10386288

* This information must always be given.

EARNINGS.—In the State of Michigan.

EARNINGS.

MAILS.		OTHER SOURCES.		TOTAL.		PER TRAIN MILE.		PER MILE OF ROAD.	
<i>me</i>		<i>me</i>		<i>336348</i>		<i>29</i>		<i>15338</i>	
<i>me</i>		<i>me</i>		<i>336348</i>		<i>29</i>		<i>15338</i>	

EARNINGS.

TOTAL TRAFFIC.		OTHER SOURCES, FREIGHT DEPARTM'T.		TOTAL.		PER TRAIN MILE.		PER MILE OF ROAD.	
<i>13655985</i>		<i>me</i>		<i>13655985</i>		<i>324</i>		<i>622708</i>	
<i>13655985</i>		<i>me</i>		<i>13655985</i>		<i>324</i>		<i>622708</i>	

EARNINGS.—In the State of Michigan.

EARNINGS.

MAILS.		OTHER SOURCES.		TOTAL.	PER TRAIN MILE.	PER MILE OF ROAD.	
<i>me</i>		<i>me</i>		336348	<i>79</i>	153	38
<i>me</i>		<i>me</i>		336348	<i>79</i>	153	38

EARNINGS.

TOTAL TRAFFIC.	OTHER SOURCES, FREIGHT DEPARTM'T.	TOTAL.	PER TRAIN MILE.	PER MILE OF ROAD.	
13655986	<i>me</i>	13655986	<i>374</i>	6227	08
13655986	<i>me</i>	13655986	<i>374</i>	6227	08

ANALYSIS OF EARNINGS.—Continued.

1. Total transportation earnings, entire line,			139423 33
2. Transportation earnings per mile of road, <i>2193</i>			638045
3. Transportation earnings per train mile,			289
4. Miscellaneous receipts from operating account, other than for transportation, as follows:*			
From car mileage,			
From switching charges,			
From telegraph companies,			
From rents of tracks, yards and terminals,		500000	
From rents not otherwise provided for,		622767	
From other sources,			
	Total,	\$	1122767
5. Distribution of miscellaneous earnings between main line and leased or proprietary roads,			
	COMPANY.	TOTAL MISCELLANEOUS.	PROPORTION FOR MICHIGAN.
6. Total earnings from operation road,			151151 00
7. Total earnings per mile of road, <i>2193</i>			689243
8. Total earnings per train mile,			264
9. Total earning per mile of road in Michigan, <i>all</i>			
10. Income other than from earnings,			
11. Total income from all sources,		\$	151151 00
12. Proportion of income for Michigan,			151151 00

*This should include only such items as are not strictly transportation earnings, such as rents for joint use of tracks, station houses and other miscellaneous receipts connected with the property itself. Interest and dividends on stock, or securities held by the Company will be taken up in the General Exhibit, page 6, and given in answer to interrogatory 11 above.

ANALYSIS OF EXPENSES.

CLASS 1.—MAINTENANCE OF WAY AND STRUCTURES.

1. Repairs of Roadway,		14	969	43
2. Renewals of rails,			196	40
3. Renewals of ties,			1398	14
4. Repairs and renewals of bridges and culverts,			2271	09
5. Repairs and renewals of fences, road crossings, signs and cattle guards,			104	96
6. Repairs and renewals of buildings and fixtures,			464	70
7. Repairs and renewals of docks and wharves,				
8. Repairs and renewals of telegraph,			218	61
9. Stationery and printing,				26
10. Other expenses, <i>Removal Snow & Ice</i>			2209	41
	Total,		\$	26031
				65

CLASS 2.—MAINTENANCE OF EQUIPMENT.

11. Superintendence,			2	118	93
12. Repairs and renewals of locomotives,		12	656	60	
13. Repairs and renewals of passenger cars,			932	73	
14. Repairs and renewals of freight cars,		16	450	73	
15. Repairs and renewals of work cars,			133	24	
16. Repairs and renewals of marine equipment,					
17. Repairs and renewals of shop machinery and tools,			3237	68	
18. Stationery and printing,				91	
19. Other expenses,			3020	18	
	Total,		\$	38440	
				62	

CLASS 3.—CONDUCTING TRANSPORTATION.

20. Superintendence,				377
21. Engine and roundhouse men,		10	679	81
22. Fuel for locomotives,		16	488	35
23. Water supply for locomotives,			10	11
24. Oil, tallow and waste for locomotives,			673	84
25. Other supplies for locomotives,			160	73
26. Train service,			3574	03
27. Train supplies and expenses,			877	72
28. Switchmen, flagmen and watchmen,			7102	25
29. Telegraph expenses,			3476	64
30. Station service,			3108	49
31. Station supplies,			150	89
32. Switching charges,				
33. Car mileage,			464	33
34. Hire of equipment,				
35. Loss and damage,				245
36. Injuries to persons,			512	20
37. Clearing wrecks,				1463
38. Operating marine equipment,				
39. Advertising,				6207
40. Outside agencies,				
41. Commissions,				
42. Stock yards and elevators,				
43. Rents for tracks, yards and terminals,			6417	24
44. Rents for buildings and other property,			448	50
45. Stationery and printing,			303	76
46. Other expenses,				2445
	Total,		\$	55184
				77

ANALYSIS OF EXPENSES.—Continued.

CLASS 4.—GENERAL EXPENSES.

47. Salaries of general officers,	6525 00
48. Salaries of clerks and attendants,	2362 63
49. General office expenses and supplies,	378 14
50. Insurance,	1680 16
51. Law expenses,	446 63
52. Stationery and printing (general offices),	314 87
53. Other expenses,	26 71
54. Taxes,	27 191 02
TOTAL,	\$ 38925 06

RECAPITULATION OF EXPENSES.

	PER CENT OF EXPENSES.	
1. Maintenance of way and structures,	16 42	26031 65
2. Maintenance of equipment,	24 24	38440 62
3. Conducting transportation,	34 79	55184 77
4. General expense, including taxes,	24 55	38925 06
5. TOTAL OPERATING EXPENSES AND TAXES,	100	158582 10
6. Operating expenses and taxes per mile of road, 2193		7231 24
7. Operating expenses and taxes per train mile run, for trains, earning revenue [66734 miles],		282
PROPORTION OF OPERATING EXPENSES AND TAXES FOR MICHIGAN.	all	
8. Main line,		
*LEASED OR PROPRIETARY ROADS.		
Total proportion of Expense for Michigan,	\$	158582 10
9. Percentage of expenses to earnings [10491],		
10. Net earnings per mile of road,	nil	
11. Net earnings per train mile,	nil	

INSTRUCTIONS FOR ANSWERING QUESTIONS ON NEXT PAGE.

There shall appear on the next page *some notation* to indicate that the questions asked have not been overlooked. The word "None" may be used for a whole page; or under any column heading; or against any particular item or items, where that word expresses the *facts*. In other cases refer by note to *this page*, as for example, "See page 19," where a brief explanation should be given why specific data called for can not be returned *exactly as requested*.

In the column headed "Number," state the number of employees in each class as determined from the pay rolls on Dec. 31, 1904. It is not intended that laborers engaged in the construction of new line should be included among railway "Employees." Under "Total number of days worked" give the aggregate number of days worked by all the employees of each class named during the year covered by this report. Under "Total yearly compensation" give the aggregate compensation paid all the employees in each named class during the year covered by the report. To obtain "Average daily compensation," divide the "Total yearly compensation" of any class by the "Total number of days worked" by that class. It should be especially noted that "Number" of employees on Dec. 31, 1904, is not to be accepted as a basis for computing "Average daily compensation."

In returning "General Officers" state the total number on page 20, give below on this page (19) the number receiving no compensation, if there are any such, and compute the "Average daily compensation" for this class on the basis of those only receiving compensation. In case the "General Officers" and "General Office Clerks," returned in the financial report of a subsidiary road, are not in service the entire time during the year, there may be entered as "Total number of days worked" (provided no accurate record of such service has been kept) the number of days fairly representing the time devoted to the affairs of the company during the year.

Under the head of "Other Officers," give all officers not included among "General Officers" nor properly classed as "General Office Clerks."

Under "Distribution of Above," data should be given only against the four subheadings printed, and in making the distribution called for, if nothing is to be returned opposite any one or more of these subheadings, the same should be explained briefly, especially when figures are returned on pages 17 and 18 under the four corresponding subheadings of "Operating Expenses." The four items against each "Total" in the lower part of the table should *agree exactly* with similar entries opposite corresponding "Total" above; the same remark applies to data returned against "Less 'General Officers.'"

EXPLANATORY REMARKS.

Two General Officers receiving no compensation

EMPLOYEES AND SALARIES—STATE OF MICHIGAN.

CLASS.	NUMBER.	TOTAL NUMBER OF DAYS WORKED.	TOTAL YEARLY COMPENSATION.	AVERAGE DAILY COM- PENSATION.
General Officers,	5	1680	857424	510
Other Officers,				
General Office Clerks,	4	1230	235172	191
Train Dispatchers,	1	448	1770 00	395
Station Agents,	2	740	1375 15	185
Other Station Men,	2	715	1406 36	196
Enginemen,	8	1732	6115 50	353
Firemen,	8	1682	3730 53	221
Conductors,	2	598	1800 19	301
Other Trainmen,	4	467	1952 19	202
Machinists,	6	1742	5352 83	307
Carpenters,	8	2336	4857 08	208
Other Shopmen,	43	13835	30833 11	223
Section Foremen,	5	1851	3275 83	177
Other Trackmen,	7	3224	4787 61	148
Switchmen,	10	2220	6324 96	248
Flagmen and Watchmen,	3	459	425 00	92
Telegraph Operators,	3	725	1265 15	174
Employees—account Floating Equipment, All other Employees and Laborers,				
TOTAL (Including "General Officers")—MICHIGAN,	121	36184	8619725	238
Less "General Officers,"	5	1680	857424	510
TOTAL (Excluding "General Officers")—MICHIGAN,	116	34504	7762301	225
DISTRIBUTION OF ABOVE:				
General Expenses,	9	2410	10425 96	395
Maintenance of Way and Structures,	20	7411	12920 52	174
Maintenance of Equipment,	35	11104	26401 86	242
Conducting Transportation,	57	14759	35448 91	240
TOTAL (Including "General Officers")—MICHIGAN,	121	36184	8619725	238
Less "General Officers,"	5	1680	857424	510
TOTAL (Excluding "General Officers")—MICHIGAN,	116	34504	7762301	225
TOTAL (Including "General Officers")—ENTIRE LINE,	121	36184	8619725	238

DESCRIPTION OF ROAD.

1. *Date when the road was opened for use between its present termini:

FROM	To	DATE
<i>Presque Isle</i>	<i>Ishpeming</i>	<i>August 17th. 1896</i>

MAIN LINE.				Miles.	100ths.	Miles.	100ths.
2.	†In Michigan,	from <i>Presque Isle</i>	to <i>Ishpeming</i>				
in Other States.	"	from	to				
	"	from	to				
	"	from	to				
3.	Total Length Completed,						
4.	Length of double track on main line,						<i>1994</i>
BRANCHES.							
Name of Each.	<i>Queen Mine</i>	from <i>Main Line</i>	to <i>Queen Mine</i>				<i>29</i>
	<i>Foster Branch</i>	from "	to <i>Gravel Connection</i>				<i>18</i>
	<i>Barnum Mine</i>	from "	to <i>Barnum Mine</i>				<i>60</i>
		from	to				
5.	Total length of branches owned by company,						<i>107</i>
6.	"	"	"	"	"	"	in Michigan,
7.	"	"	road belonging to this company,				<i>21 01</i>
8.	"	"	"	"	"	"	in Michigan,
9.	‡Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated,						<i>11 34</i>
10.	‡Aggregate length of tracks in Michigan belonging to this company, computed as single track,						<i>32 35</i>
11.	Gauge of track <i>✓</i> feet <i>8 1/4</i> inches,						

*Give main line and branches separately with a full description of each.—COM. OF RAILROADS.
 †Length in all cases to be given in miles and decimals. Give main line and branches separately with a full description of each.
 ‡These two items are of importance to the department, and it is desired that the answers should be accurately given.

DESCRIPTION OF ROAD.—Continued.

PROPRIETARY OR LEASED ROADS OPERATED BY THIS COMPANY.	TOTAL MILES.	IN MICHIGAN.
1. Name, description and length of each, * We lease from and operate jointly with the OrNW Ry. tracks at Scheming, as follows Main Line From OrNW Connection to Cleveland Lake Connections Spurs and Sidings to various mines	 92 1398	 92 1398
2. Total,	1490	1490
3. Total miles operated by the company		4725

* Above 92 miles are included in Spurs, Sidings &c of OrNW Ry and therefore not used by them in computing their earnings per mile of road. But constitutes part of our main lines.

NUMBER OF BRIDGES AND TRESTLES IN MICHIGAN.

1. Wooden bridges, number of 6 ; aggregate length, feet,	647
2. Stone " " ; " " "	
3. Iron " " ; " " "	
4. Combin't'n " " 7 ; " " "	3357
5. Wooden trestles, " " ; " " "	
6. TOTAL, 13	4004

DESCRIPTION OF ROAD.—Continued.

DRAW BRIDGES IN MICHIGAN.

1. How many on your line?
2. Where located, when built, and length of draw span,

None
3. Character of structure,
4. Material of which constructed,
5. Height above water and depth of water under bridge,

None
6. How swung, by engine or hand power,
7. Approaches straight or curved,
8. Do you require all trains to come to full stop before crossing a draw, and how are they signaled?

CROSSINGS—RAILROAD AND HIGHWAY.

1. What railroads cross your road at grade in this State, and at what locality?

<i>Marquette City & Presque Isle Street</i>	R. R. at	<i>Presque Isle</i>
<i>South Jackson mine tracks of C.M.W.</i>	R. R. at	<i>Negaunee</i>
<i>Negaunee & Ishpeming Street</i>	R. R. at	<i>Ishpeming</i>
<i>Lucy mine tracks of D.S.S.A.</i>	R. R. at	<i>Negaunee</i>
	R. R. at	
	R. R. at	
	R. R. at	
	R. R. at	

2. What railroads cross your road either over or under your grade in this State, and where?

<i>Over.</i>	R. R. at	
	R. R. at	
<i>Under.—D. S. S. A.</i>	R. R. at	<i>Bagdad, Morgan Furnace and Negaunee</i>
<i>C.M.W.</i>	R. R. at	<i>Negaunee</i>

DESCRIPTION OF ROAD.—Continued.

CROSSINGS—RAILROAD AND HIGHWAY.

3. At what crossings are interlocking and derailing switches in operation?

4. What pattern or patterns have you adopted?

5. Number of crossings of highways at grade in this State,

6. Number of crossings of highways at grade in this State at which there are gates or flagmen,

7. Number of crossings at which there are electric or automatic signals,

8. What pattern or patterns in use?

9. Number of crossings of highways over or under railroad [Over . Under 6],

10. Number of highway bridges 18 feet above track,

11. Number of highway bridges, less than 18 feet above track,

12. Have safety guards been erected at overhead obstructions?

13. Are your frogs and guard rails blocked as required by Act 174, Session Laws, 1883?

14. How are they treated? *Blocked with wood*

9
3

6

*Yes
Yes*

STATIONS.

1. Number of stations on whole lines,

2. Same in Michigan,

4
4

EMPLOYEES.

1. Number of persons regularly employed on all roads operated by company, including officials,

2. Same in Michigan,

3. Classify your employees as per following list:

Baggagemen,

Brakemen,

Conductors,

Engineers,

Firemen,

Laborers,

Shopmen,

Yardmen,

Others,

121

121

NUMBER.

4
2
8
8

12

67

10

20

121

DESCRIPTION OF ROAD.—Continued.

REPAIRS AND RENEWALS.

FENCING IN MICHIGAN.

1. How many miles of fencing have you?

22.6

2. Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:

All in Marquette County

19.4

Total miles required,

ROAD BED AND TRACK.

1. Number of track sections in Michigan,

5

2. Average length of sections (miles),

4

3. Average number of men in each section gang,

4

4. Number of new ties put in whole line during the year,

5. Number of new ties put in track in Michigan,

None

6. Average number of new ties per mile of road,

7. New rails put in track,

Iron [tons] miles,

Steel [tons] miles,

8. Total miles of track laid with new rails,

BRIDGES AND CULVERTS.

1. Amount of trestlework replaced with earth during the year (linear feet),

2. Timber culverts replaced during year,

With iron pipe,—number,

With sewer pipe,—number,

With timber,—number,

None

DESCRIPTION OF ROAD.—Continued.

3. New bridges built during the year—Number.

None

LOCATION.	KIND.	MATERIAL.	MONTH BUILT.	FEET IN LENGTH.

ROLLING STOCK.

	NUMBER.	PRESENT ESTIMATED VALUE.
1. Number of locomotives of more than 30 tons weight, exclusive of tender,	<i>11</i>	<i>674854</i>
2. Number of locomotives of 20 to 30 tons weight, exclusive of tender,	<i>3</i>	<i>353790</i>
3. Number of locomotives of 10 to 20 tons weight, exclusive of tender,		
TOTAL LOCOMOTIVES,	<i>14</i>	<i>710234</i>
4. Number of passenger cars—12-wheel, including official cars,	<i>None</i>	
5. Number of passenger cars—8-wheel, including official cars,	<i>4</i>	<i>728579</i>
6. Number of express and baggage cars,	<i>None</i>	
7. Number of box freight cars,	<i>"</i>	
8. Number of stock cars,	<i>"</i>	
9. Number of platform cars,	<i>20</i>	<i>446760</i>
10. Number of ore cars,	<i>489</i>	<i>15001640</i>
11. Number of conductors' way cars,	<i>4</i>	<i>130936</i>
12. Other cars as follows: <i>5 Hand Cars 5 Push Cars</i>	<i>10</i>	<i>20135</i>
Total, No. Cars,	<i>527</i>	<i>16328050</i>
Total, Engines and Cars,	<i>541</i>	<i>23430394</i>
	<i>\$</i>	
13. Number of locomotives equipped with power brakes,	<i>14</i>	
14. Number of passenger-train cars equipped with power brakes,	<i>4</i>	
15. Number of freight cars equipped with power brakes,	<i>510</i>	
16. What pattern of power brakes have you in use, and number of locomotives and cars with each?	<i>all</i>	<i>Wright house</i>

ROLLING STOCK.—Continued.

- 18. Are your freight cars being equipped with automatic couplers as required by Act No. 147, Session Laws of 1885, as amended by Act No. 88, Session Laws of 1887? *All are so equipped.*
- 19. What pattern or patterns have you adopted for use? *None*
- 20. How are your passenger cars heated? *Gold Car Heating Co's system of furnishing steam from locomotive boiler. Water heaters as auxiliaries.*

MILEAGE, TRAFFIC, ETC.

TRAIN MILEAGE.	ENTIRE LINES.	IN MICHIGAN.
1. Miles run by passenger trains during the year,		<i>16941</i>
2. Miles run by freight trains during the year,		<i>39293</i>
3. Miles run by mixed trains,		<i>me</i>
4. Total mileage of trains earning revenue,		<i>56234</i>

MILEAGE, TRAFFIC, ETC.—Continued.

PASSENGER TRAFFIC.—Entire Lines.

	NUMBERS.	MILES.	RATE.	
			Dollars.	Cts.
1. Number of through passengers carried, earning revenue,				
2. Number of local passengers carried, earning revenue,				
3. Total number of passengers carried, earning revenue,				
4. Number of passengers carried one mile,				
5. Average distance carried,	<i>All in Michigan</i>			
6. Average amount received from each passenger,				
7. Average receipts per mile for through passengers				
8. Average receipts per mile for local passengers,				
9. Average receipts per passenger per mile for all passengers,				
10. Estimated cost of carrying each passenger one mile,				

*PASSENGER TRAFFIC.—In State of Michigan.

	NUMBERS.	MILES.	RATE.	
			Dollars.	Cts.
1. Number of through passengers carried, earning revenue,	2689			
2. Number of local passengers carried, earning revenue,	8664			
3. Total number of passengers carried, earning revenue,	11353			
4. Number of passengers carried one mile,	184324			
5. Average distance carried,		16.23		
6. Average amount received from each passenger,				25
7. Average receipts per mile for through passengers,				008
8. Average receipts per mile for local passengers,				016
9. Average receipts for passenger per mile for all passengers,				015
10. Estimated cost of carrying each passenger one mile,				029

*This information must always be given.

MILEAGE, TRAFFIC, ETC.—Continued.

FREIGHT TRAFFIC.—Entire Lines.

	TONS.	MILES.	RATE.	
			Dollars.	Cts.
1. Number of tons of through freight carried, earning revenue,				
2. Number of tons of local freight carried, earning revenue,				
3. Total tons of freight carried, earning revenue,				
4. Total mileage of through freight,				
5. Total mileage of local freight,				
6. Total freight mileage or tons carried one mile,	<i>All in Michigan</i>			
7. Average ton haul for through freight,				
8. Average ton haul for local freight,				
9. Average ton haul for all freight,				
10. Average amount received for each ton haul,				
11. Average receipts ton per mile, for through freight,				
12. Average receipts ton per mile, for local freight,				
13. Average receipts ton per mile, for all freight,				
14. Estimated cost of carrying one ton one mile,				

*FREIGHT TRAFFIC.—In State of Michigan.

	TONS.	MILES.	RATE.	
			Dollars.	Cts.
1. Number of tons of through freight carried, earning revenue,	961067			
2. Number of tons of local freight carried, earning revenue,	246864			
3. Total tons of freight carried, earning revenue,	1207931			
4. Total mileage of through freight,		20219660		
5. Total mileage of local freight,		4274659		
6. Total freight mileage or tons carried one mile,		24494309		
7. Average ton haul for through freight,			21	
8. Average ton haul for local freight,			16	
9. Average ton haul for all freight,			20	
10. Average amount received for each ton haul,				11
11. Average receipts ton per mile, for through freight,				0051
12. Average receipts ton per mile, for local freight,				008
13. Average receipts ton per mile, for all freight,				005
14. Estimated cost of carrying one ton one mile,				0076

*This information must always be given.

FREIGHT TRAFFIC MOVEMENT.—Entire Line.

[COMPANY'S MATERIAL EXCLUDED.]

COMMODITY.		FREIGHT ORIGINATING ON THIS ROAD, WHOLE TONS.	FREIGHT RECEIVED FROM CONNECTING ROADS AND OTHER CARRIERS, WHOLE TONS.	TOTAL FREIGHT TONNAGE.	
				WHOLE TONS.	PER CENT.
Products of agriculture.	Grain,				
	Flour,				
	Other mill products,				
	Hay,				
	Tobacco,				
	Cotton,				
	Fruit and vegetables, Potatoes,				
	Total,				
Products of animals.	Live stock,				
	Dressed meats,				
	Other packing house products,				
	Poultry, game and fish,				
	Wool, Hides and leather,				
	Total,				
Products of mines.	Anthracite coal,				
	Bituminous coal,				
	Coke,				
	Ores,				
	Stone, sand and other like articles, Salt,				
	Total,				
Products of forest.	Lumber,				
	Logs, Shingles.				
	Total,				
Manufac- tures.	Petroleum and other oils,				
	Sugar,				
	Naval stores,				
	Iron, pig and bloom,				
	Iron and steel rails,				
	Other castings and machinery,				
	Bar and sheet metal,				
	Cement, brick and lime,				
	Agricultural implements,				
	Wagons, carriages, tools, etc., Wines, liquors and beers, Household goods and furniture,				
	Total,				
Merchandise, Miscellaneous: Other commodities, not mentioned above,					
	TOTAL TONNAGE,				

All in Michigan

*FREIGHT TRAFFIC MOVEMENT.—In State of Michigan.
[COMPANY'S MATERIAL EXCLUDED.]

COMMODITY.	FREIGHT ORIGINATING ON THIS ROAD. WHOLE TONS.	FREIGHT RECEIVED FROM CONNECTING ROADS AND OTHER CARRIERS. WHOLE TONS.	TOTAL FREIGHT TONNAGE.		
			WHOLE TONS.	PER CENT.	
Products of agriculture.	Grain,	24	105	129	01
	Flour,		206	206	02
	Other mill products,		55	55	
	Hay,	10	389	399	03
	Tobacco,				
Products of agriculture.	Cotton,				
	Fruit and Vegetables, Potatoes,		297	297	03
	Total,	34	1052	1086	09
Products of animals.	Live stock, Dressed meats, Other packing house products, Poultry, game and fish, Wool, Hides and leather,				
	Total,				
Products of mines.	Anthracite coal,		251	251	02
	Bituminous coal,		36784	36784	304
	Coke,		23	23	
	Ores,	1126919		1126919	9329
	Stone, sand and other like articles, Salt,		541	541	04
	Total,	1126919	37599	1164518	9639
Products of forest.	Lumber,		36	695	05
	Logs,	806	1905	2757	23
	Shingles, WOOD	25	5234	5259	44
	BARK	1149		1149	10
	Total,	2066	7809	9875	82
Manufactures.	Petroleum and other oils, Sugar, Naval stores				
	Iron, pig and bloom, Iron and steel rails, Other castings and machinery, Bar and sheet metal,		30441	30441	252
	Cement, brick and lime, Agricultural implements, Wagons, carriages, tools, etc., Wines, liquors and beers, Household goods and furniture,		26 47	26 47	
			785	785	07
		20		20	
Merchandise,	20	31299	31319	259	
Miscellaneous: Other commodities, not mentioned above,	804	240	1044	11	
	65	24	89		
TOTAL TONNAGE,	1129408	78023	1207431	100	

*This information must always be given.

ADDITIONAL QUESTIONS.

EXPRESS COMPANIES.

1. What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

American Express Company

We receive compensation based on a certain rate per 100 lbs.

They do a general express business

We take freight at depots

TELEGRAPH.

2. Number of miles of telegraph on your road, and to whom does it belong?

73 miles

Belongs to this Company (L. S. & P.)

TRANSPORTATION COMPANIES.

Co-operative freight lines are not to be reported.

Sleeping, Drawing-room, and Palace Car Companies.

3. What sleeping, drawing-room, chair or other palace passenger cars, not the exclusive property of your own or some other railroad company, have, during the year, been in use on your road in the State of Michigan, and on what terms? If rented by you, or allowed mileage between local points in this State, what was the amount paid for the use of such cars during the period under report?

NAME OF COMPANY.	GENERAL OFFICE.	AMOUNT PAID.
	<i>None</i>	

* This information must always be given.

STATEMENT OF ACCIDENTS.—Continued.

INJURED.			
DATE.	NAME AND OCCUPATION.	PLACE.	CAUSE AND RESPONSIBILITY FOR ACCIDENT.
		<i>None</i>	

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

CAUSE OF ACCIDENT.	KILLED.			INJURED.		
	PASSENGERS.	EMPLOYEES.	OTHERS.	PASSENGERS.	EMPLOYEES.	OTHERS.
Collisions,						
Coupling cars,						
Derailments,				J		
Falling from trains,						
Frogs,						
Getting on and off trains,						
Highway crossings,						
Miscellaneous,						
Overhead obstructions,						
Trespassers on trains,						
Trespassers on tracks,						
TOTAL,						

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons killed during the year,
 Number of persons injured during the year,
 Number of casualties purely accidental,
 Number resulting from lack of caution, carelessness, or misconduct,
 Persons killed or injured while intoxicated,
 Trespassers or tramps killed or injured,
 Suicides,

CLASSIFICATION OF EMPLOYEES.

KILLED OR INJURED IN MICHIGAN.

				KILLED.	INJURED.	TOTAL.
Baggagemen,						
Brakemen,						
Conductors,						
Engineers,						
Firemen,						
Laborers,						
Shopmen,						
Yardmen,						
Not classified above,						
			Total,			

State of Michigan,

COUNTY OF

Marquette

} ss.

H. R. Harris General Manager and H. A. John Auditor

OF THE

Lake Superior and Ishpeming Rail *way* Company,

being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1904, to the best of their knowledge and belief.

Signed,

H. R. Harris

H. A. John

Auditor

Subscribed and sworn to before me this *20th* day of *March* A. D. 1905.

J. Stuart Byrnes

Notary Public

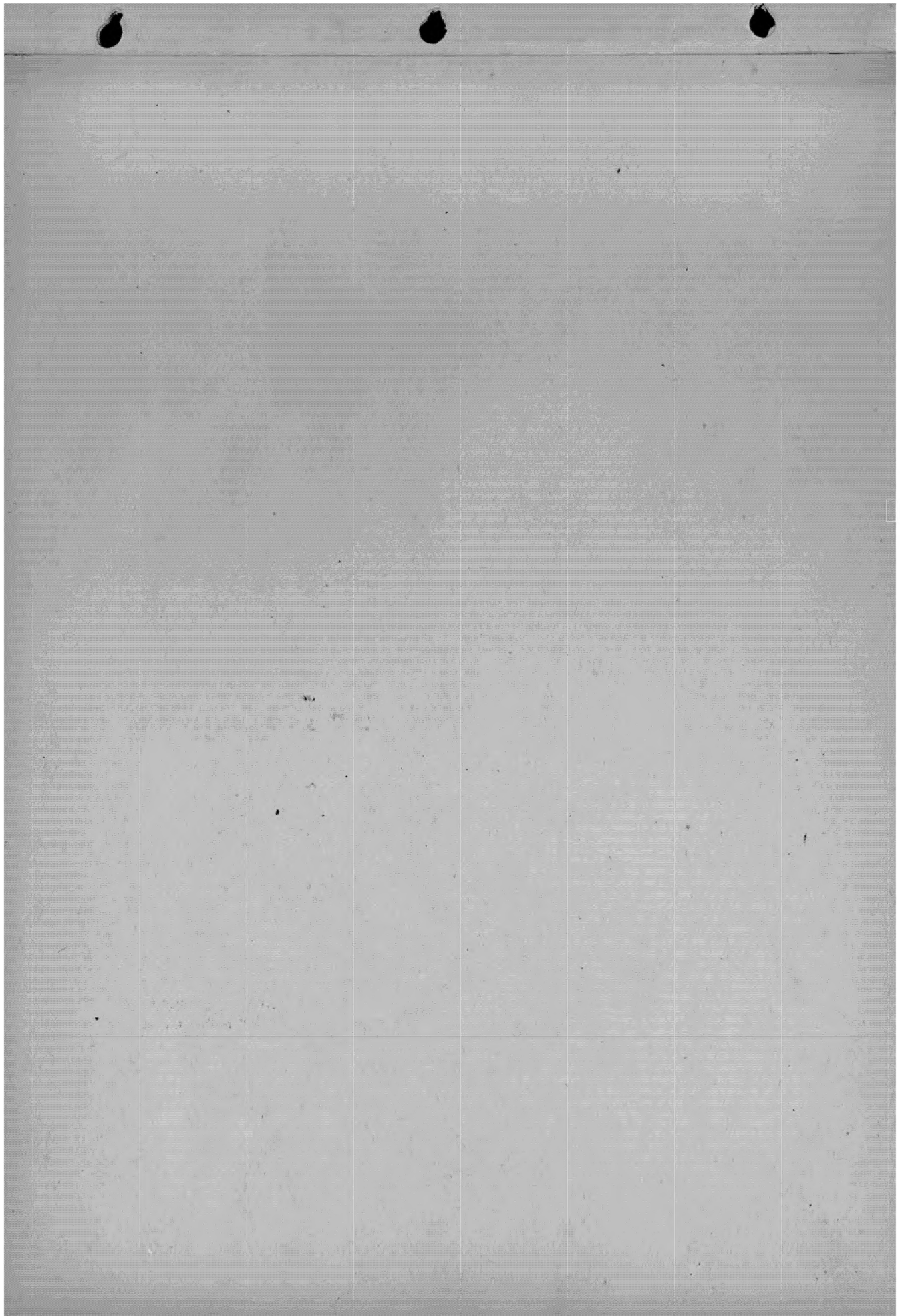
MY COMMISSION EXPIRES
NOVEMBER 14, 1905.

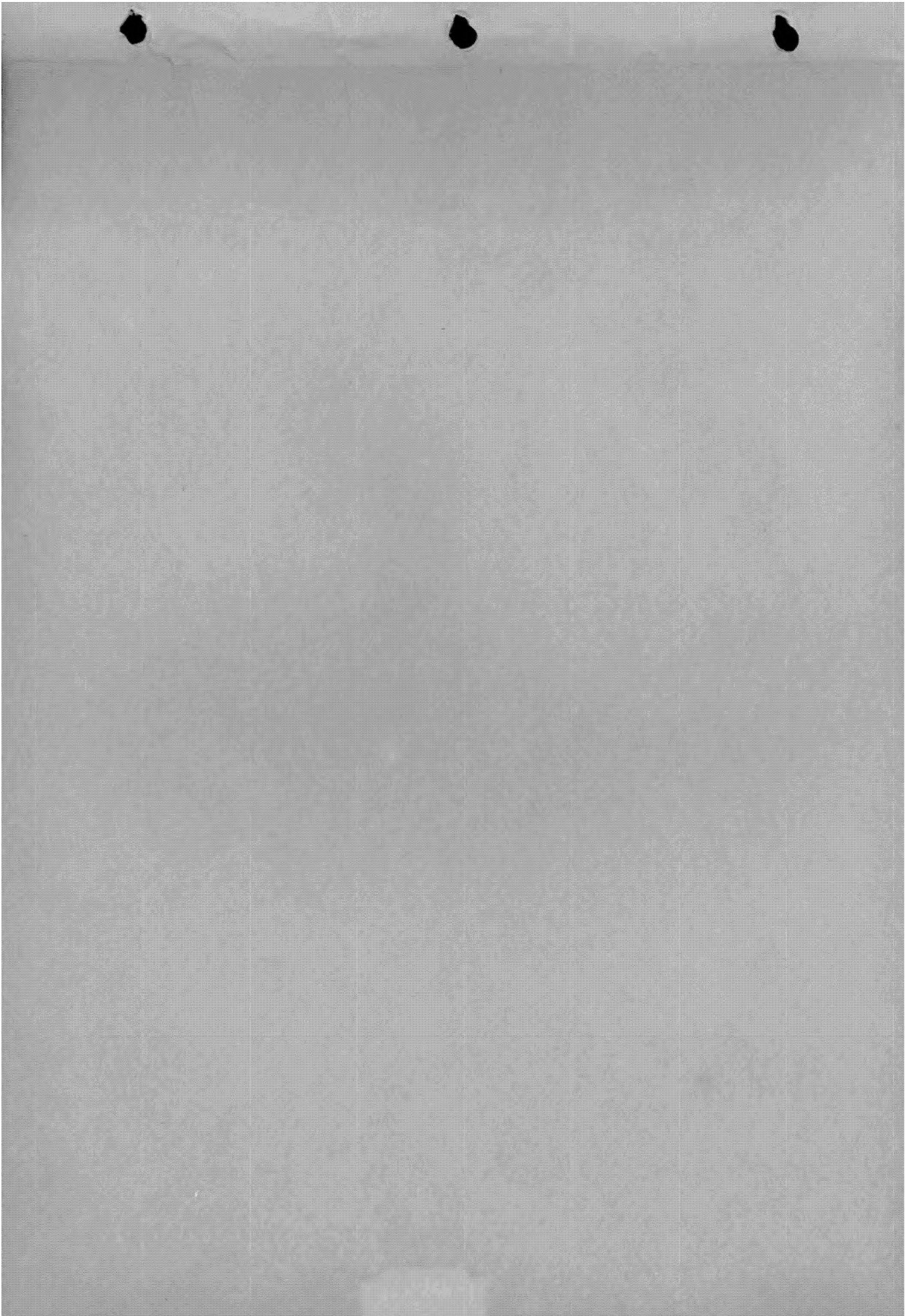
Received and filed in the office of the Commissioner of Railroads, this

day of _____ 1905.

Commissioner of Railroads.







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ANNUAL REPORT

OF THE

MARQUETTE & SOUTHEASTERN

RAILRY. COMPANY

TO THE

COMMISSIONER OF RAILROADS

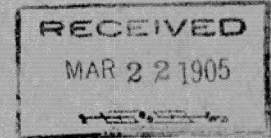
FOR THE

STATE OF MICHIGAN



1904

LANSING
WYNKOOP HALLENBECK CRAWFORD CO., STATE PRINTERS
1904



1904-E-33