

ANNUAL REPORT

OF

(Name of Corporation) Ne-gaunee Mine.

(Postoffice Address) Cleveland Ohio.

(Street and No.) 11th Floor Rockefeller Bldg.

Secretary of State:

Sir:—In accordance with Sections 32, 33 and 34, of Act No. 113, Public Acts of 1877, as amended, the undersigned, President and Secretary of the Ne-gaunee Mine Company, respectfully submit the following report for the year ending December 31, 1905.

| | | | |
|---|-----------|----|------------|
| First, The amount of cash paid in on the capital stock is | - - - - - | \$ | |
| Second, The amount of capital paid in by the conveyance of property to the corporation is | - - - - - | | 500 000 00 |
| Third, The entire amount invested in real estate is | - - - - - | | |
| Fourth, The amount of personal estate is | - - - - - | | 89945 48 |
| Fifth, The amount of unsecured or floating debt of the corporation, as near as may be, is | - - - - - | | 411385 10 |
| Sixth, The amount of the secured or bonded debt of the corporation is | - - - - - | | None |
| Seventh, The amount due to the corporation is | - - - - - | | 296880 96 |
| Eighth, The number of gross tons of copper obtained is | - - - - - | | |
| Ninth, The number of gross tons of 2240 lbs. each, of iron ore mined and shipped is | - - - - - | | 236642 |
| Tenth, The number of gross tons of mineral coal mined is | - - - - - | | |
| Eleventh, The number of gross tons of pig iron manufactured is | - - - - - | | |
| Twelfth, The number of tons of any other mineral or ore mined is | - - - - - | | |
| Thirteenth, The amount of slate or stone mined is | - - - - - | | |

| STOCKHOLDERS' NAMES. | RESIDENCE. | SHARES OF STOCK HELD. |
|-------------------------------------|------------------------------------|-----------------------|
| M. M. Duncan Lackawana Steel Co. | Ashpeming Mich. New York, N. Y. | 9998 9998 |
| Moses Taylor | " " | 1 |
| Wm G. Mather | Cleveland, Ohio. | 1 |
| Samuel Mather | " " | 1 |
| E. A. S. Clark. | New York, N. Y. | 1 |
| | | <hr/> 20 000 |

| STOCKHOLDERS' NAMES. | RESIDENCE. | SHARES OF STOCK HELD. |
|----------------------|------------|-----------------------|
| | | |

The foregoing is a true statement, together with the name and residence of each stockholder of record, and the number of shares held by him on the said thirty-first day of December.

Signed *Wm G. Mather* President.
 " *R. C. Mann* Secretary.

STATE OF }
 COUNTY OF } ss. On this day of A. D. 190.....
 before me..... a..... in and for said
 personally appeared the above named

and each for himself severally made oath that the above report by him subscribed is true according to his best knowledge and belief.

[L. S.]

My commission expires..... 190.....

Sections 32 (as Amended by Act 162, 1891), 33 (as Amended by Act 33, 1903) and 34 of Act 113, 1877.

Sec. 32. It shall be the duty of the president and secretary of each corporation, annually in the month of July, to make a report for the preceding year ending December 31, containing a statement of:

- First, The amount of cash paid in on the capital stock;
- Second, The amount of capital paid in by the conveyance of property to the corporation;
- Third, The entire amount invested in real estate;
- Fourth, The amount of personal estate;
- Fifth, The amount of the unsecured or floating debt of the corporation as near as may be;
- Sixth, The amount of the secured or bonded debt of the corporation;
- Seventh, The amount due to the corporation;
- Eighth, The number of gross tons of copper obtained;
- Ninth, The number of gross tons of 2240 lbs. each of iron ore mined and shipped;
- Tenth, The number of gross tons of mineral coal mined;
- Eleventh, The number of gross tons of pig iron manufactured;
- Twelfth, The number of tons of any other mineral or ore mined;
- Thirteenth, The amount of slate or stone mined;
- Fourteenth, The name and residence of each stockholder of record and the number of shares held by him on the said thirty-first day of December, and when stock is held in trust or in some representative capacity it shall be so stated.

Sec. 33. Such report shall be executed in duplicate by said president and secretary, and shall be sworn to before some officer authorized to administer oaths. If sworn to outside the limits of the State, it shall be before a commissioner for Michigan, a notary public having a seal, or any other person authorized to take acknowledgments of deeds. Such duplicate report shall be filed on or before the thirty-first day of July annually, one copy with the Secretary of State of this State and the other with the clerk of the county in this State where the mine or smelting or manufacturing works of the corporation are principally or wholly situated. If any person signing such duplicate report shall, as to any material facts therein stated, wilfully swear falsely he shall be deemed guilty of perjury. Blank reports shall be prepared by the Secretary of State and furnished to any corporation on application therefor. Whenever any corporation ceases to carry on business for one year or more it shall not be required to make such reports until it again commences business.

Sec. 34. If said officers, or either of them, mentioned in the preceding section wilfully and intentionally neglects to make and file the report required in said preceding section, they shall be deemed guilty of a misdemeanor.

MINING COMPANY

ANNUAL REPORT

FOR THE YEAR ENDING

DECEMBER 31, 190.....

Filed 190.....

Deputy Secretary of State.

This report shall be filed in duplicate with the Secretary of State of Michigan, one copy with the clerk of the county in this State where the mine or smelting or manufacturing works of the corporation are principally or wholly situated. If any person signing such duplicate report shall, as to any material facts therein stated, wilfully swear falsely he shall be deemed guilty of perjury. Blank reports shall be prepared by the Secretary of State and furnished to any corporation on application therefor. Whenever any corporation ceases to carry on business for one year or more it shall not be required to make such reports until it again commences business.

Received of _____ \$ _____
 J. D. 190

B. C. [Signature]
 [Signature]

This report shall be filed in duplicate with the Secretary of State of Michigan, one copy with the clerk of the county in this State where the mine or smelting or manufacturing works of the corporation are principally or wholly situated. If any person signing such duplicate report shall, as to any material facts therein stated, wilfully swear falsely he shall be deemed guilty of perjury. Blank reports shall be prepared by the Secretary of State and furnished to any corporation on application therefor. Whenever any corporation ceases to carry on business for one year or more it shall not be required to make such reports until it again commences business.

ANNUAL REPORT

OF

(Name of Corporation) *Excelsior Iron Co.*

(Postoffice Address) *Cleveland, Ohio.*

(Street and No.) *11th Floor Rockefeller Bldg.*

Secretary of State:

Sir:—In accordance with Sections 32, 33 and 34, of Act No. 113, Public Acts of 1877, as amended, the undersigned, President and Secretary of the *Excelsior Iron* Company, respectfully submit the following report for the year ending December 31, 1905.

| | | |
|---|----|--|
| <i>First</i> , The amount of cash paid in on the capital stock is - - - - - | \$ | |
| <i>Second</i> , The amount of capital paid in by the conveyance of property to the corporation is - - - - - | | |
| <i>Third</i> , The entire amount invested in real estate is - - - - - | | |
| <i>Fourth</i> , The amount of personal estate is - - - - - | | |
| <i>Fifth</i> , The amount of unsecured or floating debt of the corporation, as near as may be, is - - - - - | | |
| <i>Sixth</i> , The amount of the secured or bonded debt of the corporation is - - - - - | | |
| <i>Seventh</i> , The amount due to the corporation is - - - - - | | |
| <i>Eighth</i> , The number of gross tons of copper obtained is - - - - - | | |
| <i>Ninth</i> , The number of gross tons of 2240 lbs. each, of iron ore mined and shipped is | | |
| <i>Tenth</i> , The number of gross tons of mineral coal mined is - - - - - | | |
| <i>Eleventh</i> , The number of gross tons of pig iron manufactured is - - - - - | | |
| <i>Twelfth</i> , The number of tons of any other mineral or ore mined is - - - - - | | |
| <i>Thirteenth</i> , The amount of slate or stone mined is - - - - - | | |

Not in active operation for more than one year past.

| STOCKHOLDERS' NAMES. | RESIDENCE. | SHARES OF STOCK HELD. |
|-----------------------------------|------------------|-----------------------|
| W ^m G. Mather, Trustee | Cleveland, Ohio. | 10 |
| " " Trustee | " " | 3930 |
| Fred A. Morse. | " " | 10 |
| Peter White. | Marquette, Mich. | 10 |
| Jas. H. Hoyt. | Cleveland, Ohio. | 10 |
| J. H. Sheddle. | " " | 10 |
| E. R. Perkins. | Willoughby " | 10 |
| J. H. Wade. | New York, N. Y. | 10 |
| | | 4000 |

| STOCKHOLDERS' NAMES. | RESIDENCE. | SHARES OF STOCK HELD. |
|----------------------|------------|-----------------------|
| | | |

The foregoing is a true statement, together with the name and residence of each stockholder of record, and the number of shares held by him on the said thirty-first day of December.

Signed, *Wm G. Mather*, President.
Fred A. Morse, Secretary.

STATE OF }
COUNTY OF } ss. On this day of A. D. 190.....
before me a in and for said
..... personally appeared the above named

and each for himself severally made oath that the above report by him subscribed is true according to his best knowledge and belief.

[L. S.]

My commission expires 190.....

MINING COMPANY
ANNUAL REPORT

FOR THE YEAR ENDING
DECEMBER 31, 190.....

Filed 190.....

Deputy Secretary of State.

Sections 32 (as Amended by Act 162, 1891), 33 (as Amended by Act 33, 1903) and 34 of Act 113, 1877.

SEC. 32. It shall be the duty of the president and secretary of each corporation, annually in the month of July, to make a report for the preceding year ending December 31, containing a statement of:

- First, The amount of cash paid in on the capital stock;
- Second, The amount of capital paid in by the conveyance of property to the corporation;
- Third, The entire amount invested in real estate;
- Fourth, The amount of personal estate;
- Fifth, The amount of the unsecured or floating debt of the corporation as near as may be;
- Sixth, The amount of the secured or bonded debt of the corporation;
- Seventh, The amount due to the corporation;
- Eighth, The number of gross tons of copper obtained;
- Ninth, The number of gross tons of 2240 lbs. each of iron ore mined and shipped;
- Tenth, The number of gross tons of mineral coal mined;
- Eleventh, The number of gross tons of pig iron manufactured;
- Twelfth, The number of tons of any other mineral or ore mined;
- Thirteenth, The amount of slate or stone mined;
- Fourteenth, The name and residence of each stockholder of record and the number of shares held by him on the said thirty-first day of December, and when stock is held in trust or in some representative capacity it shall be so stated.

SEC. 33. Such report shall be executed in duplicate by said president and secretary, and shall be sworn to before some officer authorized to administer oaths. If sworn to outside the limits of the State, it shall be before a commissioner for Michigan, a notary public having a seal, or any other person authorized to take acknowledgments of deeds. Such duplicate report shall be filed on or before the thirty-first day of July annually, one copy with the Secretary of State of this State and the other with the clerk of the county in this State where the mine or smelting or manufacturing works of the corporation are principally or wholly situated. If any person signing such duplicate report shall, as to any material facts therein stated, wilfully swear falsely he shall be deemed guilty of perjury. Blank reports shall be prepared by the Secretary of State and furnished to any corporation on application therefor. Whenever any corporation ceases to carry on business for one year or more it shall not be required to make such reports until it again commences business.

SEC. 34. If said officers, or either of them, mentioned in the preceding section wilfully and intentionally neglects to make and file the report required in said preceding section, they shall be deemed guilty of a misdemeanor.

Handwritten notes and stamps on the right side of the page. A large stamp reads "FILED" and "DECEMBER 31 1900". There are also various smaller stamps and handwritten signatures, including one that appears to say "John H. [unclear]".

ANNUAL REPORT

OF

(Name of Corporation) *Munising Company*

(Postoffice Address) *Cleveland Ohio*

(Street and No.) *11th Floor Rockefeller Bldg*

Secretary of State:

Sir:—In accordance with Sections 32, 33 and 34, of Act No. 113, Public Acts of 1877, as amended, the undersigned, President and Secretary of the *Munising* Company, respectfully submit the following report for the year ending December 31, 190*5*

| | | |
|---|----|-------------------|
| First, The amount of cash paid in on the capital stock is - - - - - | \$ | <i>21,320 00</i> |
| Second, The amount of capital paid in by the conveyance of property to the corporation is - - - - - | | <i>394,580 00</i> |
| Third, The entire amount invested in real estate is - - - - - | | <i>223,346 96</i> |
| Fourth, The amount of personal estate is - - - - - | | <i>1948 76</i> |
| Fifth, The amount of unsecured or floating debt of the corporation, as near as may be, is - - - - - | | <i>14875 61</i> |
| Sixth, The amount of the secured or bonded debt of the corporation is - - - - - | | <i>None</i> |
| Seventh, The amount due to the corporation is - - - - - | | <i>48,843 32</i> |
| Eighth, The number of gross tons of copper obtained is - - - - - | | |
| Ninth, The number of gross tons of 2240 lbs. each, of iron ore mined and shipped is | | |
| Tenth, The number of gross tons of mineral coal mined is - - - - - | | |
| Eleventh, The number of gross tons of pig iron manufactured is - - - - - | | |
| Twelfth, The number of tons of any other mineral or ore mined is - - - - - | | |
| Thirteenth, The amount of slate or stone mined is - - - - - | | |

Not to be rendered

Munising has only report in July and this is not a mining co

| STOCKHOLDERS' NAMES. | RESIDENCE. | SHARES OF STOCK HELD. |
|----------------------|------------|-----------------------|
| | | |

| STOCKHOLDERS' NAMES. | RESIDENCE. | SHARES OF STOCK HELD. |
|----------------------|------------|-----------------------|
| | | |

The foregoing is a true statement, together with the name and residence of each stockholder of record, and the number of shares held by him on the said thirty-first day of December.

 President.
 Secretary.

STATE OF }
 COUNTY OF } ss. On this day of A. D. 190.....
 before me a in and for said
 personally appeared the above named

and each for himself severally made oath that the above report by him subscribed is true according to his best knowledge and belief.

[L. S.]

My commission expires 190.....

MINING COMPANY

ANNUAL REPORT

FOR THE YEAR ENDING

DECEMBER 31, 190.....

Filed 190.....

Deputy Secretary of State.

Sections 32 (as Amended by Act 162, 1891), 33 (as Amended by Act 33, 1903) and 34 of Act 113, 1877.

SEC. 32. It shall be the duty of the president and secretary of each corporation, annually in the month of July, to make a report for the preceding year ending December 31, containing a statement of:

- First*, The amount of cash paid in on the capital stock;
- Second*, The amount of capital paid in by the conveyance of property to the corporation;
- Third*, The entire amount invested in real estate;
- Fourth*, The amount of personal estate;
- Fifth*, The amount of the unsecured or floating debt of the corporation as near as may be;
- Sixth*, The amount of the secured or bonded debt of the corporation;
- Seventh*, The amount due to the corporation;
- Eighth*, The number of gross tons of copper obtained;
- Ninth*, The number of gross tons of 2240 lbs. each of iron ore mined and shipped;
- Tenth*, The number of gross tons of mineral coal mined;
- Eleventh*, The number of gross tons of pig iron manufactured;
- Twelfth*, The number of tons of any other mineral or ore mined;
- Thirteenth*, The amount of slate or stone mined;
- Fourteenth*, The name and residence of each stockholder of record and the number of shares held by him on the said thirty-first day of December, and when stock is held in trust or in some representative capacity it shall be so stated.

SEC. 33. Such report shall be executed in duplicate by said president and secretary, and shall be sworn to before some officer authorized to administer oaths. If sworn to outside the limits of the State, it shall be before a commissioner for Michigan, a notary public having a seal, or any other person authorized to take acknowledgments of deeds. Such duplicate report shall be filed on or before the thirty-first day of July annually, one copy with the Secretary of State of this State and the other with the clerk of the county in this State where the mine or smelting or manufacturing works of the corporation are principally or wholly situated. If any person signing such duplicate report shall, as to any material facts therein stated, wilfully swear falsely he shall be deemed guilty of perjury. Blank reports shall be prepared by the Secretary of State and furnished to any corporation on application therefor. Whenever any corporation ceases to carry on business for one year or more it shall not be required to make such reports until it again commences business.

SEC. 34. If said officers, or either of them, mentioned in the preceding section wilfully and intentionally neglects to make and file the report required in said preceding section, they shall be deemed guilty of a misdemeanor.

TO THE SECRETARY OF STATE
 DEPARTMENT OF STATE
 LANSING, MICHIGAN
 JULY 1903

RECEIVED JULY 1903

FILED

91

(Name of Corporation) Mansing Railway Co.
 (P. O. address) Cleveland Ohio.
 (Street and No.) 11th Floor Rockefeller Bldg

SPECIAL REPORT.

Secretary of State,
 Lansing, Michigan :

6345

Sir:—In accordance with Section ~~11,364~~, of Compiled Laws of 1897,
 the undersigned, President and Treasurer of the Mansing Railway
 Company, respectfully submit the following

Special Report:

Total number of shares of capital stock actually issued at
 the date of this report, 8700
 Number of shares of capital stock issued during year end-
 ing June 30, 1906, None
 Amount received in money for stock is-
 sued during current year, . . . \$ None
 Amount received in PROPERTY for
 stock issued during current year, . \$ None
 Total amount received for stock issued during year ending
 June 30, 1906, \$ None

[Signature] President.
 Treasurer.

STATE OF _____ }
 County of _____ } ss.

On this _____ day of _____ A. D. 190____ before me a
 _____ in and for said County, personally appeared the above-named
 _____ and _____ and severally made
 oath that the above report, by them subscribed, is true according to their best knowledge and belief.

COMPANY.

SPECIAL REPORT.

Filed....., 190....

.....
Deputy Secretary of State.

Secs. 2 and 3 of Act 289, 1865, as amended.

2. It is hereby made the duty of every such railroad company, as aforesaid, to file with the Secretary of State, in the month of July, in each year, a special report and statement, sworn to by the president and treasurer of the company, setting forth explicitly the number of shares of capital stock actually issued, sold, pledged, or disposed of by the company to the date of such report, and the amount of capital stock issued during the year last past, and the amount received therefor in money, and the amount received therefor, if any, in property and other effects.

SEC. 3. Any violation of the provisions of this act, or any neglect to comply with the requirements of this act, or the making of any false statement to the Secretary of State, in relation to any of the matters required by the preceding section to be reported to him, shall render the officers and directors of any such railroad company, as aforesaid, guilty of any such violation or neglect, or making or permitting any such false statement, liable to the State for the penalties heretofore provided by law.

(Name of Corporation) *Lake Superior Ishpeming Ry. Co.*
(P. O. address) *Cleveland Ohio.*
(Street and No.) *11th Floor Rockefeller Bldg.*

SPECIAL REPORT.

Secretary of State,
Lansing, Michigan :

6345

Sir:—In accordance with Section *11,364*, of Compiled Laws of 1897,
the undersigned, President and Treasurer of the *Lake Superior Ishpeming*
Railway Company, respectfully submit the following
Special Report:

Total number of shares of capital stock actually issued at
the date of this report, *10,000.*

Number of shares of capital stock issued during year end-
ing June 30, 190*6*, *None*

Amount received in money for stock is-
sued during current year, \$ *None*

Amount received in PROPERTY for
stock issued during current year, \$ *None*

Total amount received for stock issued during year ending
June 30, 190*6*, \$ *None*

W. M. President.
 Treasurer.

STATE OF }
County of } ss.

On this day of A. D. 190 before me a
 in and for said County, personally appeared the above-named
 and and severally made
oath that the above report, by them subscribed, is true according to their best knowledge and belief.

COMPANY.

SPECIAL REPORT.

Filed....., 190....

.....
Deputy Secretary of State.

Secs. 2 and 3 of Act 289, 1865, as amended.

2. It is hereby made the duty of every such railroad company, as aforesaid, to file with the Secretary of State, in the month of July, in each year, a special report and statement, sworn to by the president and treasurer of the company, setting forth explicitly the number of shares of capital stock actually issued, sold, pledged, or disposed of by the company to the date of such report, and the amount of capital stock issued during the year last past, and the amount received therefor in money, and the amount received therefor, if any, in property and other effects.

SEC. 3. Any violation of the provisions of this act, or any neglect to comply with the requirements of this act, or the making of any false statement to the Secretary of State, in relation to any of the matters required by the preceding section to be reported to him, shall render the officers and directors of any such railroad company, as aforesaid, guilty of any such violation or neglect, or making or permitting any such false statement, liable to the State for the penalties heretofore provided by law.

(Name of Corporation) *Marquette & Southeastern Ry. Co.*
(P. O. address) *Cleveland Ohio*
(Street and No.) *15th Floor Rockefeller Bldg*

SPECIAL REPORT.

Secretary of State,
Lansing, Michigan :

6345

Sir:—In accordance with Section ~~17,367~~, of Compiled Laws of 1897,
the undersigned, President and Treasurer of the *Marquette & Southeastern*
Railway Company, respectfully submit the following
Special Report:

Total number of shares of capital stock actually issued at
the date of this report, *10,000.*

Number of shares of capital stock issued during year end-
ing June 30, 190*2*, *None*

Amount received in money for stock is-
sued during current year, \$ *None*

Amount received in PROPERTY for
stock issued during current year, . \$ *None*

Total amount received for stock issued during year ending
June 30, 190*2*, \$ *None*

W. M. M. _____ President.

_____ Treasurer.

STATE OF _____ }
County of _____, } ss.

On this _____ day of _____ A. D. 190*2* before me a
_____ in and for said County, personally appeared the above-named
_____ and _____ and severally made
oath that the above report, by them subscribed, is true according to their best knowledge and belief.

COMPANY.

SPECIAL REPORT.

Filed....., 190....

.....
Deputy Secretary of State.

Secs. 2 and 3 of Act 289, 1865, as amended.

2. It is hereby made the duty of every such railroad company, as aforesaid, to file with the Secretary of State, in the month of July, in each year, a special report and statement, sworn to by the president and treasurer of the company, setting forth explicitly the number of shares of capital stock actually issued, sold, pledged, or disposed of by the company to the date of such report, and the amount of capital stock issued during the year last past, and the amount received therefor in money, and the amount received therefor, if any, in property and other effects.

SEC. 3. Any violation of the provisions of this act, or any neglect to comply with the requirements of this act, or the making of any false statement to the Secretary of State, in relation to any of the matters required by the preceding section to be reported to him, shall render the officers and directors of any such railroad company, as aforesaid, guilty of any such violation or neglect, or making or permitting any such false statement, liable to the State for the penalties heretofore provided by law.

23. ²⁹

Recd
2/5/06

STATISTICAL RETURNS

OF THE

Operations, Earnings, and Financial Condition

OF THE

Lake Superior & Ishpeming R.R.
(Please see that correct official title is given.)

FOR THE YEAR ENDING JUNE 30, 1905

FOR

POOR'S MANUAL

OF THE

RAILROADS OF THE UNITED STATES

FOR _____.

THE INFORMATION CONTAINED WITHIN IS FURNISHED BY

(To be signed by officer furnishing information).

Lake Superior & Ishpeming R. R. CO.

PROOF OF STATEMENT, WHEN IN TYPE, TO BE FORWARDED,
FOR REVISION, TO

Wm. G. Mather, Pres Cleveland, Ohio
(Please give name, title and address of officer to whom proof should be sent).

POOR'S MANUAL OF RAILROADS.

No. 68 William Street,

NEW YORK CITY

MILEAGE.

Statement of Mileage completed at close of FISCAL year, June 30, 190

| | | |
|---|---|--------|
| | | MILES. |
| Main Lines: | From <u>Presque Isle</u> to <u>Aspening</u> | 19.94 |
| | " <u>Marquette</u> " | |
| Branches: | " <u>Main Line</u> " <u>Quin Mine</u> | .29 |
| | " " " <u>Crow Connection</u> | .18 |
| | " " " <u>Barron Mine</u> | .60 |
| Total length of RR. owned at close of fiscal year, | | 21.01 |
| <i>Add Mileage of Lines Operated Under Lease:</i> | | |
| RR., from _____ to _____ | | |
| " " " " " " | | |
| <i>Add Mileage of Track Used Under Contract.</i> | | |
| RR., from <u>Chippewa Conn.</u> to <u>St. Ignace</u> | | .92 |
| " " " " " " | | |
| Total length of all lines operated, | | .92 |
| Average length of all lines operated during fiscal year, | | 21.93 |
| Total length of RR. owned as above, | | |
| Second Track on same, | | |
| Sidings and other Tracks on same, | | 11.34 |
| Total length of all Tracks owned, | | 33.27 |
| Length of same laid with iron rails, | | |
| " " " " " steel rails, | | |
| Main Track—Leased Lines (as above—not including trackage rights), | | |
| Second " " " " " " | | |
| Sidings, etc., " " " " " " | | |
| Total Track—Leased Lines, | | |
| Length of same laid with iron rails, | | |
| " " " " " steel rails, | | |
| Weight of iron rails per yard, _____ lbs.; of steel rails, <u>60</u> lbs. | | |
| Gauge of track <u>4</u> feet <u>8 1/2</u> inches. | | |

If since the close of the fiscal year any new lines of road have been completed by your company, or have been acquired through lease or otherwise, please give the terminal points and length, and in the case of leased or other acquired roads, the terms under which such roads are controlled.

ORGANIZATION AND HISTORY.

Date of Charter of existing Company July 17th 1893. Amendment dated Sept 17th
 Under Laws of what State Incorporated, General Railroad Laws of the State of Michigan
 Date of Opening of first portion of road, Aug 12th 1896
 Dates at which each subsequent portion was opened, _____

ROLLING STOCK, at close of fiscal year, June 30, 190

| | OWNED. | CAR TRUSTS. | LEASED. | TOTAL IN USE. |
|----------------------------------|--------|-------------|---------|---------------|
| Locomotive Engines, | 13 | | | |
| Passenger Cars, | 4 | | | |
| Baggage, Mail, and Express Cars, | | | | |
| Freight Cars—Box, | | | | |
| " "—Stock, | | | | |
| " "—Flat, | 20 | | | |
| " "—Coal, <u>ORE</u> | 612 | | | |
| <u>Coal</u> | 4 | | | |
| Total Cars (producing revenue) | 642 | | | 642 |
| Service Cars, | | | | |

If your company owns any rolling stock which it leases to other companies, or owns floating equipment such as transfer ferryboats, etc.; or, has added to its equipment, as given above, since the close of the fiscal year, please give particulars thereof.

TRAFFIC OPERATIONS, Year Ending June 30, 1905

Train Mileage.

Passenger and Freight Traffic.

Passenger Train, 17181
 Freight " 56721
 Mixed " _____
 All Other " 118229
 Total Miles run by all Trains, 192131

No. Passengers carried, 14717
 " " " 1 mile, 241612
 Tons Freight moved, 1780173
 " " " 1 mile, 36203229

EARNINGS, EXPENSES, etc., Year Ending June 30, 1905

Earnings from Traffic.

Operating Expenses.

Passengers, \$ 325295
 Freight, 197483.92
 Mail and Express, 542.28
 Other (A), _____
 Total, \$ 201279.15

Maint. Way & Bldgs, \$ 23677.15
 " Equip., 32221.41
 Transportation, 69129.76
 General Expenses, 12478.99
 Total, \$ 139507.31

Payments.

Net Earnings from traffic, 61771.84
Add Other Receipts.
 Interest and Dividends, 1064.25
 Rentals Leased Roads (B), 5297.83
 Other Receipts (C), 6037.76
 Total, \$ 74191.68

Interest on Bonds (D), \$ _____
 " Floating Debt, _____
 Rentals Leased Lines (E), _____
 Taxes, 27215.01
 Dividends on Stock (p.c.) _____
 Other Payments (F), _____
 Total, \$ 27215.01

Balance (Surplus or Deficit), \$ 46956.69
 Surplus or Deficit from last year, 766919.12
 Additions (or Deductions) during the year (G), _____
 Surplus or Deficit as per Balance Sheet (see pages 5 and 6), 213675.19

- A. To include ONLY miscellaneous TRAFFIC EARNINGS.
- B. Please give details.
- C. Please give details.
- D. Please give details.
- E. Please give details.
- F. Please give details.
- G. Please give details.

MISCELLANEOUS.

| | AUTHORIZED. | SUBSCRIBED. | PAID IN. | PAR VALUE PER SHARE |
|----------------------------|-------------|-------------|-----------|---------------------|
| Capital Stock: { Common. } | 1,000,000 | 1,000,000 | 1,000,000 | 100.00 |
| { Preferred. } | | | | |

Dividends, when payable, _____
 Dividends, where payable, _____
 Interest, " " _____
 Whole number of dividends paid to date, _____ ; periods at which same were paid each year, _____
 (Quarterly, Semi-Annually, or Annually.)

State nature of preference of preferred stock _____

State how long stock must be owned to entitle holder to vote _____

State whether voting power is attached to any issues of bonds No

State whether any bonds may be converted into common or preferred stock and terms under which such conversion may be made No.

State whether common or preferred stock may be converted into any issue of bonds and terms under which such conversion may be made No

Time of holding annual meeting, Second Tuesday in February

Place of holding annual meeting, Deshperris, Mich.

Stock Transfer Books close—prior to dividend payments, _____

" " " " " " annual meeting, _____

Trustees of Bonds Farmers Loan & Trust Co

Registrar of Stock _____

Amount of Stock and Bonds listed on various exchanges, none
 (Please give details.)

5
GENERAL BALANCE SHEET of

R

June 30, 190

7
BOARD OF DIRECTORS, Elected 14 of February 1905

| | | |
|---|------------------|---|
| Cost of Road, | \$ 1036,532.81 ✓ | Common Stock paid in, } See page 4, { \$ 1,000,000.00 |
| Cost of Equipment, | 271,840.14 | Preferred Stock paid in, } |
| Stocks and Bonds of other Companies, | | Funded Debt Outstanding (see below), 410,000.00 |
| Other Permanent Investments, | 1,000,000.00 ✓ | Real Estate Mortgages, |
| (Please give details.) | | Current Liabilities, 899,878.94 |
| Materials and Supplies on Hand, | 37,247.13 ✓ | Accrued Liabilities—Interest, |
| Cash on Hand, | 7835.80 | Taxes, |
| Bills Receivable, <u>Improvement Acct</u> | 105,974.84 ✓ | Rentals, |
| Current Accounts and Balances, | 107,833.96 | <u>Bills Payable</u> 143,750.00 |
| Other Assets, | | Other Liabilities, |
| (Please give details.) | | (Please give details.) |
| Profit and Loss (see page 3), | | Profit and Loss (see page 3) 213,675.79 |
| TOTAL, | \$ 2,669,262.93 | TOTAL, |
| | | \$ 2,669,262.93 |

| | NAME. | ADDRESS. |
|----|-----------------|----------------|
| 1 | Joe Langheim | Cleveland Ohio |
| 2 | W. F. Jones Jr. | Pittsburgh Pa. |
| 3 | Wm. H. Parsons | Cleveland Ohio |
| 4 | J. H. Hook | " " |
| 5 | Wm. S. Mather | " " |
| 6 | J. H. Wase | Wentzville Mo. |
| 7 | H. R. Harris | Margate Mich. |
| 8 | | |
| 9 | | |
| 10 | | |
| 11 | | |
| 12 | | |
| 13 | | |

| CHARACTER AND DESCRIPTION OF BONDS. | DATE OF ISSUE. | INTEREST. | | PRINCIPAL WHEN DUE. | AMOUNT AUTHORIZED. | AMOUNT OUTSTANDING. | | NAMES OF TRUSTEES. | COUPON OR REGISTERED. | DENOMINATION (\$100, \$500, or \$1000.) |
|-------------------------------------|----------------|-----------|---------------|---------------------|--------------------|---------------------|--|-------------------------------|-----------------------|---|
| | | RATE. | WHEN PAYABLE. | | | | | | | |
| 6% Bond | 1896 | 6% | Jan & July | Jan 1st 1926 | 1,000,000.00 | 410,000.00 | | Farmers Loan & Trust Co. N.Y. | Coupon | \$1000.00 |
| | | | & | | | | | | | |
| | | | & | | | | | | | |
| | | | & | | | | | | | |
| | | | & | | | | | | | |

If since last election there has been any change in the Board of Directors as then elected, please send particulars.

OFFICERS.

| TITLE. | NAME. | ADDRESS. |
|-----------------|---------------|----------------|
| President, | Wm. S. Mather | Cleveland Ohio |
| Vice-President, | Joe Langheim | Pittsburgh Pa. |
| GENL. MANAGER | H. R. Harris | Margate Mich. |
| Vice-President, | W. H. Parsons | Cleveland Ohio |
| Treasurer, | J. H. Hook | " " |
| Secretary, | | " " |

If since the date of above balance sheet there have been issued any new bonds or stock; or any bonds of other companies have been assumed; or any bonds included above have been retired, please give full particulars of such issues and the purposes for which they were made.

Location of Principal Office Margate Mich.
Location of Stock Transfer Office Cleveland, Ohio

STATISTICAL RETURNS

OF THE

Operations, Earnings, and Financial Condition

OF THE

Marquette & Southeastern Ry
(Please see that correct official title is given.)

FOR THE YEAR ENDING JUNE 30, 1905

FOR

POOR'S MANUAL

OF THE

RAILROADS OF THE UNITED STATES

FOR _____.

THE INFORMATION CONTAINED WITHIN IS FURNISHED BY

(To be signed by officer furnishing information).

Marquette & Southeastern R. R. CO.

PROOF OF STATEMENT, WHEN IN TYPE, TO BE FORWARDED,
FOR REVISION, TO

Wm. G. Mather, Pres't, Cleveland
(Please give name, title and address of officer to whom proof should be sent).

POOR'S MANUAL OF RAILROADS.

No. 68 William Street,

NEW YORK CITY

1
MILEAGE.

Statement of Mileage completed at close of FISCAL year, June 30, 1905

| | MILES. |
|---|--------------|
| Main Lines: { From <u>Wesleyford</u> to <u>Lewison</u> | 26.96 |
| “ “ <u>(Marquette)</u> “ | |
| Branches: { “ <u>Whitman</u> “ <u>Noel</u> | 5.06 |
| “ “ “ | |
| “ “ “ | |
| Total length of RR. owned at close of fiscal year, | <u>32.02</u> |
| Add Mileage of Lines Operated Under Lease: | |
| RR., from _____ to _____ | |
| “ “ “ “ | |
| Add Mileage of Track Used Under Contract. | |
| RR., from _____ to _____ | |
| “ “ “ “ | |
| Total length of all lines operated, | <u>32.02</u> |
| Average length of all lines operated during fiscal year, | <u>32.02</u> |
| Total length of RR. owned as above, | <u>32.02</u> |
| Second Track on same, | |
| Sidings and other Tracks on same, | <u>4.57</u> |
| Total length of all Tracks owned, | <u>36.59</u> |
| Length of same laid with iron rails, | |
| “ “ “ “ “ steel rails, | <u>36.59</u> |
| Main Track—Leased Lines (as above—not including trackage rights), | |
| Second “ “ “ | |
| Sidings, etc., “ “ | |
| Total Track—Leased Lines, | |
| Length of same laid with iron rails, | |
| “ “ “ “ “ steel rails, | |
| Weight of iron rails per yard, _____ lbs.; of steel rails, <u>60</u> lbs. | |
| Gauge of track <u>4</u> feet <u>8 1/2</u> inches. | |

If since the close of the fiscal year any new lines of road have been completed by your company, or have been acquired through lease or otherwise, please give the terminal points and length, and in the case of leased or other acquired roads, the terms under which such roads are controlled.

2
ORGANIZATION AND HISTORY.

Date of Charter of existing Company Oct 3rd 1900
 Under Laws of what State Incorporated, Michigan
 Date of Opening of first portion of road, July 1st 1902
 Dates at which each subsequent portion was opened, _____

ROLLING STOCK, at close of fiscal year, June 30, 1905

| | OWNED. | CAR TRUSTS. | LEASED. | TOTAL IN USE. |
|----------------------------------|------------|-------------|---------|---------------|
| Locomotive Engines, | 2 | | | 2 |
| Passenger Cars, | | | | |
| Baggage, Mail, and Express Cars, | | | | |
| Freight Cars—Box, | 25 | | | 25 |
| “ “ —Stock, | | | | |
| “ “ —Flat, | 100 | | | 100 |
| “ “ —Coal, | | | | |
| “ “ —Logging, | 60 | | | 60 |
| Total Cars (producing revenue) | <u>187</u> | | | <u>187</u> |
| Service Cars, | | | | |

If your company owns any rolling stock which it leases to other companies, or owns floating equipment such as transfer ferryboats, etc.; or, has added to its equipment, as given above, since the close of the fiscal year, please give particulars thereof.

TRAFFIC OPERATIONS, Year Ending June 30, 190

Train Mileage.

Passenger Train, . . . 21226
 Freight " . . . 29525
 Mixed " . . . _____
 All Other " . . . 2072
 Total Miles run by all Trains, . . . 46823

Passenger and Freight Traffic.

No. Passengers carried, 31740
 " " " 1 mile, 529007
 Tons Freight moved, 497174
 " " " 1 mile, 800843

EARNINGS, EXPENSES, etc., Year Ending June 30, 190

Earnings from Traffic.

Passengers, . . . \$ 11278.14
 Freight, . . . 78001.24
 Mail and Express, . . . 3408.12
 Other (A), . . . _____
 Total, \$ 92687.50

Operating Expenses.

Maint. Way & Bldgs, \$ 3754.49
 " Equip., 6373.93
 Transportation, . . . 27334.60
 General Expenses, 4535.42
 Total, \$ 46998.44

Net Earnings from traffic, _____

Add Other Receipts.

Interest and Dividends, . . . _____
 Rentals Leased Roads (B), _____
 Other Receipts (C), . . . 2113.77

 Total, . . . \$ 94801.27

Payments.

Interest on Bonds (D), . . . \$ 34812.54
 " Floating Debt, 819.80
 Rentals Leased Lines (E), _____
 Taxes, 7847.96
 Dividends on Stock, (p.c.) _____
 Other Payments (F), . . . _____
 Total, . . . \$ 43480.30

Balance (Surplus or Deficit), \$ 4322.53
 Surplus or Deficit from last year, 8124.59
 Additions (or Deductions) during the year (G), _____
 Surplus or Deficit as per Balance Sheet (see pages 5 and 6), 380206

- A. To include ONLY miscellaneous TRAFFIC EARNINGS.
 - B. Please give details.
 - C. Please give details.
 - D. Please give details.
 - E. Please give details.
 - F. Please give details.
 - G. Please give details.
- Trackage chgs. 1932.99*
Rentals Bldgs 1035.00
Telephone Exp. 145.78

MISCELLANEOUS.

| | AUTHORIZED. | SUBSCRIBED. | PAID IN. | PAR VALUE PER SHARE |
|--------------------------|----------------|----------------|----------------|---------------------|
| Capital Stock: { Common. | <u>1000000</u> | <u>1000000</u> | <u>1000000</u> | <u>100</u> |
| { Preferred. | | | | |

Dividends, when payable, _____
 Dividends, where payable, _____
 Interest, " " Cleveland Ohio
 Whole number of dividends paid to date, none; periods at which same were paid each year, none (Quarterly, Semi-Annually, or Annually.)
 State nature of preference of preferred stock none
 State how long stock must be owned to entitle holder to vote _____
 State whether voting power is attached to any issues of bonds No
 State whether any bonds may be converted into common or preferred stock and terms under which such conversion may be made No
 State whether common or preferred stock may be converted into any issue of bonds and terms under which such conversion may be made No
 Time of holding annual meeting, 2nd Tuesday in February
 Place of holding annual meeting, Marquette Mich
 Stock Transfer Books close—prior to dividend payments, _____
 " " " " " " annual meeting, _____
 Trustees of Bonds Citizen Savings & Trust Co
Cleveland, Ohio
 Registrar of Stock _____
 Amount of Stock and Bonds listed on various exchanges, None (Please give details.)

5
GENERAL BALANCE SHEET of *Mayaguez & Southeastern* **R**

June 30, 1905

| | |
|--|------------------------|
| Cost of Road, | \$ 504,947.77 |
| Cost of Equipment, | 137,721.15 |
| Stocks and Bonds of other Companies, | |
| Other Permanent Investments, (Please give details.) | |
| Materials and Supplies on Hand, | 57,693.04 |
| Cash on Hand, | 2,711.56 |
| Bills Receivable, | |
| Current Accounts and Balances, | |
| <i>Contract Franchise etc.</i> | 987,500.00 |
| Other Assets, (Please give details.) | 79,172.66 |
| <i>Bonds in Treasury</i> | 200,000.00 |
| Profit and Loss (see page 3), | 3802.06 |
| TOTAL, | \$ 2,073,548.24 |

| | |
|--|------------------------|
| Common Stock paid in, } See page 4, { | \$ 1,000,000.00 |
| Preferred Stock paid in, } | |
| Funded Debt Outstanding (see below), | 1,000,000.00 |
| Real Estate Mortgages, | |
| Current Liabilities, | 73,548.24 |
| Accrued Liabilities—Interest, | |
| Taxes, | |
| Rentals, | |
| Other Liabilities, (Please give details.) | |
| Profit and Loss (see page 3) | |
| TOTAL, | \$ 2,073,548.24 |

| CHARACTER AND DESCRIPTION OF BONDS. | DATE OF ISSUE. | INTEREST. | | PRINCIPAL WHEN DUE. | AMOUNT AUTHORIZED. | AMOUNT OUTSTANDING. | NAMES OF TRUSTEES. | COUPON OR REGISTERED. | DENOMINATION (\$100, \$500, or \$1000.) |
|-------------------------------------|----------------|-----------|-----------------------|---------------------|---------------------|---------------------|--|-----------------------|---|
| | | RATE. | WHEN PAYABLE. | | | | | | |
| <i>1st Mtg. Gold</i> | <i>1903</i> | <i>5%</i> | <i>June & Dec</i> | <i>1933</i> | <i>1,000,000.00</i> | <i>702,000.00</i> | <i>City & Savings Trust Co. New York</i> | <i>Coupon</i> | <i>1000.00</i> |
| | | | & | | | | | | |
| | | | & | | | | | | |
| | | | & | | | | | | |
| | | | & | | | | | | |
| | | | & | | | | | | |

If since the date of above balance sheet there have been issued any new bonds or stock; or any bonds of other companies have been assumed; or any bonds included above have been retired, please give full particulars of such issues and the purposes for which they were made.

BOARD OF DIRECTORS, Elected 13th of Feb. 1906.

| NAME. | ADDRESS. |
|-------------------------|-------------------------|
| 1. <u>Wm J. Mather</u> | <u>Cleveland, Ohio</u> |
| 2. <u>J. H. Hoyt</u> | <u>" "</u> |
| 3. <u>E. R. Perkins</u> | <u>Wittoughly "</u> |
| 4. <u>J. H. Wade</u> | <u>New York NY</u> |
| 5. <u>M. M. Duncan</u> | <u>Springfield Mich</u> |
| 6. <u>H. C. Harris</u> | <u>Marquette "</u> |
| 7. <u>Peter White</u> | <u>" "</u> |
| 8. | |
| 9. | |
| 10. | |
| 11. | |
| 12. | |
| 13. | |

If since last election there has been any change in the Board of Directors as then elected, please send particulars.

OFFICERS.

| TITLE. | NAME. | ADDRESS. |
|-----------------|----------------------|------------------------|
| President, | <u>Wm J. Mather</u> | <u>Cleveland, O.</u> |
| Vice-President, | <u>E. R. Perkins</u> | <u>Wittoughly Mich</u> |
| Vice-President, | | |
| Treasurer, | <u>Wm J. Mather</u> | <u>Cleveland</u> |
| Secretary, | <u>J. H. Hoyt</u> | <u>" "</u> |

Location of Principal Office Marquette Mich
 Location of Stock Transfer Office Cleveland Ohio

24 ⁴/₄

File

STATISTICAL RETURNS

OF THE

Operations, Earnings, and Financial Condition

OF THE

Munising *Ry.*
(Please see that correct official title is given.)

FOR THE YEAR ENDING JUNE 30, 1905

FOR

POOR'S MANUAL

OF THE

RAILROADS OF THE UNITED STATES

FOR _____.

THE INFORMATION CONTAINED WITHIN IS FURNISHED BY

(To be signed by officer furnishing information).

Munising R. R. CO.

PROOF OF STATEMENT, WHEN IN TYPE, TO BE FORWARDED,
FOR REVISION, TO

Wm. G. Mather, Pres't, Cleveland, Ohio
(Please give name, title and address of officer to whom proof should be sent).

POOR'S MANUAL OF RAILROADS.

No. 68 William Street,

NEW YORK CITY

TRAFFIC OPERATIONS, Year Ending June 30, 190

| Train Mileage. | | Passenger and Freight Traffic. | |
|--------------------------------|-------|--------------------------------|---------|
| Passenger Train | _____ | No. Passengers carried, | 51069 |
| Freight | _____ | " " " 1 mile, | 735071 |
| Mixed | _____ | Tons Freight moved, | 449976 |
| All Other | _____ | " " " 1 mile, | 7906725 |
| Total Miles run by all Trains, | | _____ | |

EARNINGS, EXPENSES, etc., Year Ending June 30, 190

| Earnings from Traffic. | | Operating Expenses. | |
|------------------------|--------------|---------------------|-------------|
| Passengers, | \$ 19169.23 | Maint. Way & Bldgs, | \$ 22371.66 |
| Freight, | 105198.30 | " Equip., | 8534.16 |
| Mail and Express, | 4274.83 | Transportation, | 51625.53 |
| Other (A), | _____ | General Expenses, | 5722.36 |
| Total, | \$ 128642.36 | Total, | \$ 88253.71 |

| Net Earnings from traffic, | | Payments. | |
|----------------------------|-------------|-----------------------------|-------------|
| Net Earnings from traffic, | 40388.65 | Interest on Bonds (D), | \$ 6400.00 |
| Add Other Receipts, | _____ | " Floating Debt, | 28466.79 |
| Interest and Dividends, | _____ | Rentals Leased Lines (E), | _____ |
| Rentals Leased Roads (B), | _____ | Taxes, | 10377.37 |
| Other Receipts (C), | _____ | Dividends on Stock, (p.c.) | _____ |
| Rentals | 538.40 | Other Payments (F), | 980.25 |
| Total, | \$ 40927.05 | Total, | \$ 46234.41 |

| | |
|--|------------|
| Balance (Surplus or Deficit), | \$ 5297.36 |
| Surplus or Deficit from last year, | 89929.61 |
| Additions (or Deductions) during the year (G), | _____ |
| Surplus or Deficit as per Balance Sheet (see pages 5 and 6), | 95226.97 |

- A. To include ONLY miscellaneous TRAFFIC EARNINGS.
- B. Please give details.
- C. Please give details.
- D. Please give details.
- E. Please give details.
- F. Please give details.
- G. Please give details.

MISCELLANEOUS.

| | AUTHORIZED. | SUBSCRIBED. | PAID IN. | PAR VALUE PER SHARE |
|----------------------------|-------------|-------------|----------|---------------------|
| Capital Stock: { Common. } | 874,000 | 870,000 | 870,000 | 100 |
| { Preferred. } | _____ | _____ | _____ | _____ |

Dividends, when payable, _____

Dividends, where payable, _____

Interest, " " Cleveland, Ohio

Whole number of dividends paid to date, None; periods at which same were paid each year, _____ (Quarterly, Semi-Annually, or Annually.)

State nature of preference of preferred stock _____

State how long stock must be owned to entitle holder to vote _____

State whether voting power is attached to any issues of bonds No.

State whether any bonds may be converted into common or preferred stock and terms under which such conversion may be made No.

State whether common or preferred stock may be converted into any issue of bonds and terms under which such conversion may be made No.

Time of holding annual meeting, Last Tuesday in July

Place of holding annual meeting, Munising Mich.

Stock Transfer Books close—prior to dividend payments, _____

" " " " " " annual meeting, _____

Trustees of Bonds Citizens Savings & Trust Co
Cleveland, Ohio

Registrar of Stock _____

Amount of Stock and Bonds listed on various exchanges, None
(Please give details.)

GENERAL BALANCE SHEET of

R

June 30, 190

| | |
|--|------------------------|
| Cost of Road, | \$ 706,086.82 . |
| Cost of Equipment, | 98,908.26 . |
| Stocks and Bonds of other Companies, <i>Land Owned</i> | 426,646.28 . |
| Other Permanent Investments, <i>Contracts</i> (Please give details.) | 414,232.50 . |
| Materials and Supplies on Hand, | 29,815.79 |
| Cash on Hand, | } 50,187.06 |
| Bills Receivable, | |
| Current Accounts and Balances, | |
| Other Assets, (Please give details.) | |
| Profit and Loss (see page 3), | 95,226.99 |
| TOTAL, | \$ 1,819,103.68 |


| | |
|--|------------------------|
| Common Stock paid in, } See page 4, { | \$ 870,000.00 . |
| Preferred Stock paid in, } | |
| Funded Debt Outstanding (see below), | 160,000.00 . |
| Real Estate Mortgages, | |
| Current Liabilities, | 789,103.68 . |
| Accrued Liabilities—Interest, | |
| Taxes, | |
| Rentals, | |
| Other Liabilities, (Please give details.) | |
| Profit and Loss (see page 3) | |
| TOTAL, | \$ 1,819,103.68 |

| CHARACTER AND DESCRIPTION OF BONDS. | DATE OF ISSUE. | INTEREST. | | PRINCIPAL WHEN DUE. | AMOUNT AUTHORIZED. | AMOUNT OUTSTANDING. | NAMES OF TRUSTEES. | COUPON OR REGISTERED. | DENOMINATION (\$100, \$500, or \$1000.) |
|--|----------------|---------------|--------------------------------|---------------------|--------------------|---------------------|---|-----------------------|---|
| | | RATE. | WHEN PAYABLE. | | | | | | |
| <i>First Mortgage & 7 3/8% Redeemable Coupon</i> | | <i>4 1/2%</i> | <i>April 1st & Oct 1st</i> | <i>Oct 1925</i> | <i>160,000.00</i> | <i>160,000.00</i> | <i>Windsor Savings & Loan Co Cleveland, O</i> | <i>Coupon</i> | <i>\$1,000.00</i> |
| | | | & | | | | | | |
| | | | & | | | | | | |
| | | | & | | | | | | |
| | | | & | | | | | | |
| | | | & | | | | | | |

If since the date of above balance sheet there have been issued any new bonds or stock; or any bonds of other companies have been assumed; or any bonds included above have been retired, please give full particulars of such issues and the purposes for which they were made.

BOARD OF DIRECTORS, Elected _____ of _____

| | NAME. | ADDRESS. |
|----|---------------|----------------|
| 1 | J. H. Wade | New York N. Y. |
| 2 | Wm. S. Mather | Cleveland Ohio |
| 3 | E. R. Perkins | Wilmington " |
| 4 | J. H. Kay | Cleveland " |
| 5 | Samuel Mather | Cleveland " |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| 11 | | |
| 12 | | |
| 13 | | |

 If since last election there has been any change in the Board of Directors as then elected, please send particulars.

OFFICERS.

| TITLE. | NAME. | ADDRESS. |
|-----------------|---------------|----------------|
| President, | Wm. S. Mather | Cleveland, O. |
| Vice-President, | E. R. Perkins | Wilmington, O. |
| Vice-President, | | |
| Treasurer, | Wm. S. Mather | Cleveland, O. |
| Secretary, | R. C. Mann | Cleveland, O. |

Location of Principal Office _____

Location of Stock Transfer Office _____

WHOLE YEAR.

We have not as yet received your pig iron statistics for 1905, the blank mailed you late December not having been returned. As we are anxious to close our tables at once we will be much obliged if you will fill out this blank and return it to us immediately. Please do not overlook this request.

J.M.S.

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 1905.

FOR THE YEAR ENDED DECEMBER 31, 1905.

Name of Furnace or Furnaces, Pioneer
Name of Owners or Lessees, Cleveland Cliff Iron Co.
Post Office, County, and State, Commercial Bank Bldg, Cleveland, O.

Second Request.

STACKS.

Number of completed Furnace Stacks, 1 | Stacks out of blast December 31, 1905, none
Stacks in blast December 31, 1905, 1 | Stacks building December 31, 1905, none
How many DAYS in the WHOLE YEAR 1905 was each furnace in blast? 49 days
Number of STACKS IDLE on December 31, 1905, and date when they may be blown in none
Number of STACKS IDLE on December 31, 1905, that will NEVER AGAIN MAKE PIG IRON none
Number of BUILDING STACKS on December 31, 1905, and the date when you expect to have each stack completed none
Number of REBUILDING STACKS on December 31, 1905, and the date when you expect to have each stack ready for blast. (If more than one stack please give name or No.) none
If you contemplate erecting any NEW BLAST FURNACES in 1906 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 1905? none
How many tons of LIMESTONE did you CONSUME in your furnaces in 1905? 1883
* If you can not conveniently give exact figures of the limestone quarried or consumed a CLOSE ESTIMATE will answer.

FUEL USED.

Kind of Fuel used in the WHOLE YEAR 1905, 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 1905, excluding Spiegeleisen, Ferro-manganese, and Ferro-phosphorus, but including castings made direct from the furnace | <u>4779</u> |
| <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 1905 | |
| Production of SPIEGELEISEN in the WHOLE YEAR 1905 | |
| Production of FERRO-PHOSPHORUS in the WHOLE YEAR 1905 | |
| 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? <u>Charcoal Pig Iron</u> | <u>4779</u> |
| FORGE PIG IRON? | |
| 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? | |

If you made no pig iron at all in 1905, please so advise us immediately, as it is important that we should have this information.

Signature, The Cleveland Cliff Iron Co.
By Steel

We have not as yet received ~~from~~ your pig iron statistics for 1905, the blank mailed you late in December not having been returned. As we are anxious to close our tables at once we will be much obliged if you will fill out this blank and return it to us immediately. Please do not overlook this request.

J.M.S.

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.

WHOLE YEAR

PRODUCTION OF PIG IRON IN 1905.

FOR THE YEAR ENDED DECEMBER 31, 1905.

Name of Furnace or Furnaces Pioneer No. 2 Second
 Name of Owners or Lessees Pioneer Iron Co.
 Post Office, County, and State Commercial Bank Bldg, Cleveland, Ohio Request.

STACKS.

Number of completed Furnace Stacks, 1 | Stacks out of blast December 31, 1905, none
 Stacks in blast December 31, 1905, 1 | Stacks building December 31, 1905, none
 How many DAYS in the WHOLE YEAR 1905 was each furnace in blast? 356 days

Number of STACKS IDLE on December 31, 1905, and date when they may be blown in none

Number of STACKS IDLE on December 31, 1905, that will NEVER AGAIN MAKE PIG IRON none

Number of BUILDING STACKS on December 31, 1905, and the date when you expect to have each stack completed none

Number of REBUILDING STACKS on December 31, 1905, and the date when you expect to have each stack ready for blast. (If more than one stack please give name or No.) none

If you contemplate erecting any NEW BLAST FURNACES in 1906 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 1905? none
 How many tons of LIMESTONE did you CONSUME in your furnaces in 1905? 2239

** If you can not conveniently give exact figures of the limestone quarried or consumed a CLOSE ESTIMATE will answer.

FUEL USED.

Kind of Fuel used in the WHOLE YEAR 1905, 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 1905, excluding Spiegeleisen, Ferro-manganese, and Ferro-phosphorus, but including castings made direct from the furnace. | <u>35911</u> |
| <small>17</small> If the works changed hands during this time please estimate the quantity of pig iron produced by the previous operators. | |
| Production of FERRO-MANGANESE in the WHOLE YEAR 1905 | |
| Production of SPIEGELEISEN in the WHOLE YEAR 1905 | |
| Production of FERRO-PHOSPHORUS in the WHOLE YEAR 1905 | |
| 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) <u>Charcoal</u> | <u>1636</u> |
| LOW-PHOSPHORUS PIG IRON? (below 0.04 per cent. in Phosphorus) | |
| MALLEABLE BESSEMER PIG IRON? | |
| BASIC PIG IRON? <u>High Phosphorus Charcoal</u> | <u>1123</u> |
| FOUNDRY PIG IRON? <u>Charcoal Pig Iron</u> | <u>33222</u> |
| FORGE PIG IRON? | |
| 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? | |

18 If you made no pig iron at all in 1905, please so advise us immediately, as it is important that we should have this information.

Signature Pioneer Iron Co.
By H. H. ...

We have not as yet received your pig iron statistics for 1905, the blank mailed you later in December not having No. been returned. As we are anxious to close our tables at once we will be much obliged if you will fill out this blank and return it to us immediately. Please do not overlook this ~~request~~ request.

J.M.S.

WHOLE YEAR.

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 1905.

FOR THE YEAR ENDED DECEMBER 31, 1905.

Name of Furnace or Furnaces, Leahy Second Request.
 Name of Owners or Lessees, Pioneer Iron Co.
 Post Office, County, and State, Commercial Bank, Cleveland, O.

STACKS.

Number of completed Furnace Stacks, 1 | Stacks out of blast December 31, 1905, none
 Stacks in blast December 31, 1905, 1 | Stacks building December 31, 1905, none
 How many DAYS in the WHOLE YEAR 1905 was each furnace in blast? 197 days.
 Number of STACKS IDLE on December 31, 1905, and date when they may be blown in none
 Number of STACKS IDLE on December 31, 1905, that will NEVER AGAIN MAKE PIG IRON none
 Number of BUILDING STACKS on December 31, 1905, and the date when you expect to have each stack completed none
 Number of REBUILDING STACKS on December 31, 1905, and the date when you expect to have each stack ready for blast. (If more than one stack please give name or No.) none
 If you contemplate erecting any NEW BLAST FURNACES in 1906 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 1905? none
 How many tons of LIMESTONE did you CONSUME in your furnaces in 1905? 912
* If you can not conveniently give exact figures of the limestone quarried or consumed a CLOSE ESTIMATE will answer.

FUEL USED.

Kind of Fuel used in the WHOLE YEAR 1905, 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 1905, <u>excluding</u> Spiegeleisen, Ferro-manganese, and Ferro-phosphorus, but <u>including</u> castings made direct from the furnace. | <u>998!</u> |
| <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 1905 | |
| Production of SPIEGELEISEN in the WHOLE YEAR 1905 | |
| Production of FERRO-PHOSPHORUS in the WHOLE YEAR 1905 | |
| 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? <u>Charcoal Pig Iron</u> | <u>998!</u> |
| FORGE PIG IRON? | |
| 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? | |

If you made no pig iron at all in 1905, please so advise us immediately, as it is important that we should have this information.

Signature, Pioneer Iron Co.
By J. H. ...

M E M O

March 13th, 1907.

Mr. R. C. Mann,
Auditor.

Attached herewith you will find card giving statistics regarding the products of wood distillation in 1906, which we have filled out and the same is now ready for signature and submission to the Director of the Census.

Is it advisable for us to give the selling prices of alcohol and acetate, in view of the present condition of the market. The prices you will note, are the net prices at the furnace, as paid us during the year 1906, ~~and on alcohol and acetate.~~

H.C.S.

Handwritten note:
H.C.S.
Refer it to H.C.S.
3/15
REM

Cleveland
17 1/2

Ishpeming, Mich.
Cleveland Office

Attach to
15 1/2 1905
outside Parties

THE CLEVELAND-CLIFFS IRON COMPANY. 7

The Cleveland-Cliffs Iron Company; general offices, Rockefeller Building, Cleveland. *Officers at Cleveland:* William G. Mather, President and Treasurer; J. H. Sheadle, Secretary; and R. C. Mann, Auditor. *Officer at New York:* J. H. Wade, Vice President. *Selling Agencies:* Superior Charcoal Iron Company, Grand Rapids, Michigan, for pig iron; W. S. Gray & Co., 76 William st., New York, for acetate of lime; and Wood Products Company, Buffalo, N. Y., for wood alcohol.

Capital stock authorized, \$5,000,000, all common; issued, \$4,910,000. The company operates the following works:

BLAST FURNACES—1.

Pioneer Furnace, Gladstone, Michigan. One stack, 60 x 12, built in 1895-6 and blown in April 16, 1896; two hot-blast stoves; ores, Lake Superior and specular and soft hematites from the company's mines; product, car-wheel, malleable, foundry, and low-phosphorus pig iron; annual capacity, 45,000 tons. Brand, "Pioneer." Charcoal kilns and retorts are connected with the furnace.—*Active in 1907.*

CHARCOAL, WOOD ALCOHOL, AND ACETATE OF LIME PLANTS.

At Gladstone the company operates plants for the manufacture of charcoal, wood alcohol, and acetate of lime. The charcoal plant is equipped with twenty 80-cord and fifty 60-cord charcoal kilns and 10 charcoal retorts, with a total annual capacity of 3,455,000 bushels. The wood alcohol plant has an annual capacity of 350,000 gallons, and the acetate of lime plant has an annual capacity of 4,000,000 pounds of acetate of lime.

IRON-ORE, LIMESTONE, AND OTHER LANDS.

The company owns the Lake, Moro, Salisbury, Cliffs Shaft, Ogden, and East New York iron-ore mines at Ishpeming, Michigan, the Lucy and Jackson mines at Negaunee Michigan, and the Princeton mine at Princeton, Michigan. These mines ~~embrace 1,640 acres and~~ have an annual capacity of 1,540,000 tons of ore. The East New York and Lucy mines are idle. The company also leases the Ashland iron-ore mine at Ironwood, Michigan, the Maas mine at Negaunee, Michigan, the Crosby mine at Nashwauk, Minnesota, the Stephenson and Austin mines at Princeton, Michigan, and the Iron Belt mine at Iron Belt, Wisconsin. These mines ~~embrace 1,270 acres and~~ have an annual capacity of 800,000 tons of ore. The Maas mine is being developed and the Iron Belt mine is being explored. The company also partly owns or controls the Negaunee mine at Negaunee, Michigan, and the Webster and Imperial mines at Michigamme, Michigan. These mines ~~embrace 504 acres and~~ have an annual capacity of 400,000 tons of ore. Total of the mines entirely owned, leased, or partly owned and controlled, 3,423 acres; annual capacity, 2,740,000 tons.

The company also owns between 5,000 and 6,000 acres of limestone lands in Michigan. It also maintains a land department, which exercises supervision of all its lands, which amount approximately to 700,000 acres.

RAILROADS AND VESSELS AND BARGES.

The Cleveland-Cliffs Iron Company controls the Marquette and South Eastern Railway Company and the Munising Railway Company. It also owns one-half of the capital stock of the Lake Superior and Ishpeming Railway Company. These companies operate 151.81 miles of track, 20 locomotives, 7 passenger cars, and 927 freight, road, and other cars. Additional details concerning each company are given on page 00.

The company also controls the Grand Island Steamship Company and operates the Presque Isle Transportation Company and the Hopkins Steamship Company. These companies operate 15 steamships and one schooner, with an average ore-carrying capacity on each trip of 89,100 gross tons. Additional details concerning these companies are given on page 00.

MARQUETTE AND SOUTH EASTERN RAILWAY COMPANY.

Marquette and South Eastern Railway Company; financial offices, Rockefeller Building, Cleveland; operating offices, Marquette, Michigan. *Officers:* William G. Mather, President and Treasurer and J. H. Hoyt, Secretary, Cleveland; E. H. Perkins, Vice President, Willoughby, Ohio; and H. R. Harris, General Manager, Marquette, Michigan. Its capital stock is controlled by the Cleveland-Cliffs Iron Company.

This company operates 36.59 miles of main line, branches, and sidings between West Yard (Marquette) and Lawson, Michigan. Its equipment consists of 2 locomotives and 185 cars.

MUNISING RAILWAY COMPANY.

Munising Railway Company; financial offices, Rockefeller Building, Cleveland; operating offices, Marquette, Michigan. *Officers:* William G. Mather, President and Treasurer, and R. C. Mann, Secretary, Cleveland; E. R. Perkins, Vice President, Willoughby, Ohio; and H. R. Harris, General Manager, Marquette, Michigan. Its capital stock is controlled by the Cleveland-Cliffs Iron Company.

This company operates 81.95 miles of main line, branches, and sidings between Munising and Little Lake, Michigan. Its equipment consists of 5 locomotives, 3 passenger cars, and 104 other cars.

LAKE SUPERIOR AND ISHPEMING RAILWAY COMPANY.

Lake Superior and Ishpeming Railway Company; financial offices, Rockefeller Building, Cleveland; operating offices, Marquette, Michigan. *Officers:* William G. Mather, President; William G. Pollock, Treasurer, and J. H. Hoyt, Secretary, Cleveland; James B. Laughlin, Vice President, Pittsburgh; and H. R. Harris, General Manager, Marquette, Michigan. One-half of its capital stock is owned by the Cleveland-Cliffs Iron Company.

This company operates 33.27 miles of owned and leased track between Presque Isle and Ishpeming, Michigan. Its equipment consists of 13 locomotives, 4 passenger cars, and 638 other cars.

GRAND ISLAND STEAMSHIP COMPANY.

Grand Island Steamship Company; general offices, Cleveland. *Officers:* William G. Mather, President and Treasurer, and J. H. Sheadle, Secretary. The capital stock of this company is controlled by the Cleveland-Cliffs Iron Company.

This company operates the steamships William G. Mather, J. H. Sheadle, Michigan, Ishpeming, Pontiac, Cadillac, Frontenac, Pioneer, Choctaw, Andaste, and Falcon; also the schooner Chattanooga. Total: 11 steamships and one schooner; average ore-carrying capacity on each trip, 62,000 tons.

PRESQUE ISLE TRANSPORTATION COMPANY.

Presque Isle Transportation Company; general offices, Rockefeller Building, Cleveland. *Officers:* B. F. Jones, Jr., President, Pittsburgh; William G. Pollock, Secretary, and William G. Mather, Treasurer, Cleveland. This company is operated from the offices of the Cleveland-Cliffs Iron Company.

This company operates the steamships Peter White, Presque Isle, and Angeline, which have an average ore-carrying capacity on each trip of 22,100 tons.

HOPKINS STEAMSHIP COMPANY.

Hopkins Steamship Company; general offices, Rockefeller Building, Cleveland. *Officers:* William G. Mather, President and Treasurer, and J. H. Sheadle, Secretary, Cleveland; E. R. Perkins, Vice President, Willoughby, Ohio.

This company is operated from the offices of the Cleveland-Cliffs Iron Company. It owns the steamship Centurion, which has an average ore-carrying capacity on each trip of 5,000 tons.

PIONEER IRON COMPANY.

Pioneer Iron Company; general offices, Rockefeller Building, Cleveland. *Officers:* George A. Garrettson, President; William G. Mather, Vice President; E. V. Hale, Secretary; and Fred A. Morse, Treasurer.

Selling Agencies: Superior Charcoal Iron Company, Grand Rapids, Michigan, for pig iron; W. S. Gray & Co., 76 William st., New York, for acetate of lime; ~~Wood Products Company, Buffalo, for wood alcohol;~~ and Perth Amboy Chemical Works, 100 William st., New York, for formaldehyde.

Capital stock, \$125,000, all common. The Pioneer Iron Company operates the following works:

BLAST FURNACES—2.

Carp Furnace, Marquette, Michigan. One stack, 58½ x 10, built in 1872-3, burned in 1882, and rebuilt in 1889-90; idle for several years; revived and rebuilt in 1899 and blown in October 16, 1899; two iron stoves; warm blast; fuel, charcoal; ore, Lake Superior; product, car-wheel, foundry, malleable, and low-phosphorus pig iron; annual capacity, 18,000 tons. Brand, "Excelsior." Charcoal kilns are connected with the furnace.—*Active in 1907.*

Pioneer Furnace No. 2, Marquette, Michigan. One stack, 70 x 12, built in 1901-3 and first put in operation April 16, 1903; three hot-blast stoves; fuel, charcoal; ore, Lake Superior; product, car-wheel, foundry, malleable, and low-phosphorus pig iron; annual capacity, 42,000 tons. Brand, "Marquette." Charcoal kilns are connected with the furnace.—*Active in 1907.*

Total annual capacity of the 2 furnaces: 60,000 gross tons.

CHARCOAL, WOOD ALCOHOL, ACETATE OF LIME, ETC.

At Marquette the company operates plants for the manufacture of charcoal; wood alcohol, acetate of lime, and formaldehyde. The charcoal plant is equipped with thirty 90-cord, eighty 80-cord, nine 42-cord, and ten 25-cord kilns, with a total annual capacity of 6,000,000 bushels. The wood alcohol plant has an annual capacity of 300,000 gallons, the acetate of lime plant has an annual capacity of 3,500,000 pounds, and the formaldehyde plant has an annual capacity of 750,000 pounds of formaldehyde.

*Marquette Mich.
Cleveland office*

FOR MISCELLANEOUS CORRESPONDENCE

referring to this report see Subject File $\frac{41}{17}$

See Printed copy attached hereto
Corrected & Approved by H. D. K.
3/21/29

THE CLEVELAND-CLIFFS IRON COMPANY.

Name of company- The Cleveland Cliffs Iron Co.,

General offices (City and street address) - Rockefeller Building, Cleveland, O.

Give year when present company or firm was organized)
Also year when present company or firm was incorporated) Chartered May 9th, 1901

CAPITAL STOCK.

Common stock- Amount authorized \$5,000,000.00 Amount issued \$4,910,000.00

NAMES OF OFFICERS.

| | |
|--|---------------------------|
| President - Wm. G. Mather, | Address - Cleveland, Ohio |
| First Vice President - J. H. Wade | " - New York City, N.Y. |
| Secretary - J. H. Sheadle | " - Cleveland, Ohio |
| Treasurer - Wm. G. Mather | " - " " |
| Auditor - R. C. Mann | " - " " |

List of selling agents or agencies, giving exact location of each selling agent or agency:

| | | |
|----------------------------|---|-------------------|
| Superior Charcoal Iron Co. | Grand Rapids, Mich. | For Pig Iron |
| W. S. Gray & Co., W. S. | <i>76 William St</i> New York City, N.Y. | " Acetate of Lime |
| Wood Products Co., | Buffalo, N. Y. | " Wood Alcohol |

41
17
15/2

Pioneer Furnace, The Cleveland-Cliffs Iron Company, Rockefeller Building, Cleveland, Ohio. Furnace at Gladstone, Delta County, Michigan. One stack, 60x12, built in 1895-6 and blown in April 16, 1896; two hot blast stoves; ores, Lake Superior and specular and soft hematites from the company's mines; product, car-wheel, malleable, foundry, and low-phosphorus pig iron; annual capacity, 45,000 tons. Brand "Pioneer". Connected with the furnace are 70 charcoal kilns with an annual capacity of 2,705,000 bushels. # William G. Mather, President and Treasurer, J. H. Sheadle, Secretary, and R. C. Mann, Auditor, Rockefeller Building, Cleveland, Ohio; Austin Farrell, Manager, Gladstone. Selling agent, the Superior Charcoal Iron Company, Grand Rapids, - Active in 1906

PIONEER FURNACE:

Please see that we correctly give above the present dimensions, stove equipment, products, and capacity of your Pioneer Furnace.

If rebuilt since 1896 please give years when rebuilt.

Also 10 Retorts with an annual capacity of 750,000 bushels.

2705000
 250000

 3455000 ✓

OTHER PLANTS.

If you own or operate any plant or plants other than those described on the foregoing sheets we will be obliged if you will send us brief descriptions of your holdings on the sheets which follow.

1.- Alcohol Plant at Gladstone, Mich.

Austin Farrell, Supt.

Capacity - Sheet #4

Selling Agents - Wood Products Co. Buffalo, N.Y.

2.- Acetate of Lime Plant at Gladstone, Mich.

Austin Farrell, Supt.

Capacity - Sheet #4

Selling Agents - W. S. Gray & Co. New York City, N. Y.

4.- This Company maintains a "Land Department", the work of which consists in a careful supervision of its lands, aggregating approximately 700,000 acres; to prevent the illegal cutting of timber or other trespassing; the location of farmers by sales to them of cut over lands; encouragement and location of wood working manufacturing establishments, etc. etc. The operating and maintaining of Grand Island Forest Preserve and its improvements, also a fish hatchery on Grand Island. Beach Inn Hotel at Munising, Mich. Bellevue Farm, Nursery and greenhouse at Negaunee, Mich. and forestry work in general.

Cut off by order of President. —

CHARCOAL PLANT.

Give number of kilns in your charcoal plant - 70

Also the location of your kilns - Gladstone, Delta County, Michigan

Also the kind of kilns - 20 Eighty Cord Kilns

50 Sixty " "

Also a complete list of the products of your charcoal plant, including all by-products. Charcoal, Wood Alcohol, Acetate of Lime ~~and Pyroligneous Acids.~~

Also annual capacity of each product - Charcoal 2,705,000 Bushels

Wood Alcohol, 350,000 Gallons ✓

Acetate of Lime, 4,000,000 lbs. ✓

*B. Pertains to Foundry -
Answer no to all*

FOUNDRIES

Do you own, operate or control any foundries ?

no

If so are iron, brass, or steel castings made?

no

Give name and location of each foundry

no

Also kind of castings made at each foundry

no

Also annual capacity of each foundry, in gross tons

no

IRON-ORE PROPERTIES.

Names of iron-ore mines owned, operated, or controlled by your company,

(If the mines are operated by constituent companies give names and office addresses. Also separate mines owned from mines leased).

| <u>MINES OWNED</u> | <u>MINES LEASED</u> | <u>MINES CONTROLLED.</u> |
|--------------------|---------------------|--------------------------|
| 1 Lake | 1 Ashland | 1 Negaunee |
| 2 Moro | 2 Maas | 2 Webster |
| 3 Salisbury | 3 Crosby | 3 Imperial |
| 4 Cliffs shaft | 4 Stephenson | |
| 5 Ogden | 5 Iron Belt | |
| 6 E. New York | 6 Austin | |
| 7 Lucy | | |
| 8 Princeton | | |
| 9 Jackson | | |

partly owned and

LOCATION OF IRON ORE MINES

| | | |
|--------------------|--------------------------------|---------------------|
| 1 Ishpeming, Mich. | 1 Ironwood, Mich. | 1 Negaunee, Mich. |
| 2 " " | 2 Negaunee, Mich. | 2 Michiganme, Mich. |
| 3 " " | 3 Nashwauk, Minn. | 3 " " |
| 4 " " | 4 Princeton, Mich. | |
| 5 " " | 5 Iron Belt, Mich. <i>Wis.</i> | |
| 6 " " | 6 Princeton, Mich. | |
| 7 Negaunee, Mich. | | |
| 8 Princeton, Mich. | | |
| 9 Negaunee, Mich. | | |

K27 ACREAGE OF IRON ORE PROPERTIES

| | | | |
|-------|-------|-------|---|
| 1 160 | 1 80 | 1 224 | <i>1640</i> <i>1279</i> <i>504</i> <hr/> <i>3423</i> |
| 2 80 | 2 319 | 2 120 | |
| 3 80 | 3 80 | 3 160 | |
| 4 80 | 4 80 | | |
| 5 40 | 5 640 | | |
| 6 160 | 6 80 | | |
| 7 80 | | | |
| 8 320 | | | |
| 9 640 | | | |

APPROXIMATE ANNUAL CAPACITY OF ACTIVE IRON ORE MINES - GROSS TONS

| | | |
|---------------|---------------------|-----------|
| 1 600,000 | 1 350,000 | 1 300,000 |
| 2 75,000 | 2 <i>developing</i> | 2 50,000 |
| 3 110,000 | 3 200,000 | 3 50,000 |
| 4 300,000 | 4 50,000 | |
| 5 15,000 | 5 <i>developing</i> | |
| 6 <i>idle</i> | 6 200,000 | |
| 7 " | | |
| 8 200,000 | | |
| 9 200,000 | | |

1740000

15-A

1279
504

Limestone Quarries

Give names of limestone quarries owned, operated or controlled by your company.
(If the quarries are operated by constituent companies give names and office addresses.
Also separate quarries owned from quarries leased."

Owned

Leased

Controlled

- 1
- 2
- 3
- 4
- 5

no

Location of quarries. (States and Counties)

- 1
- 2
- 3
- 4
- 5

no

Acreage of limestone lands.

- 1
- 2
- 3
- 4
- 5

5000-6000 ac

Approximate annual capacity of active limestone quarries, gross tons.

- 1
- 2
- 3
- 4
- 5

no

8

COAL PROPERTIES

Number of acres of coal lands owned, operated or controlled by your Company. (If the lands are operated by constituent companies give names and offices addresses. Also separate properties owned from properties leased/)

| | <u>Owned</u> | <u>Leased</u> | <u>Controlled</u> |
|---|--------------|---------------|-------------------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |

Location of coal mines (Counties and States.)

| | |
|---|--|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |

Acreage of coal property

| | |
|---|--|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |

Approximate annual capacity of active coal mines, gross tons.

| | |
|---|--|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |

9

COKE OVENS

Number of coke ovens owned, operated, or controlled by your company. (If the ovens are operated by constituent companies, give names and office addresses. Also separate ovens owned from ovens controlled.)

Owned

Leased

Controlled

- 1
- 2
- 3
- 4
- 5

no

Character of Ovens

- 1
- 2
- 3
- 4
- 5

no

Location of ovens (States and Counties)

- 1
- 2
- 3
- 4
- 5

no

Annual capacity of all your ovens, in net tons

- 1
- 2
- 3
- 4
- 5

no

Natural Gas Wells

Number of natural gas wells owned, operated, or controlled by your Company. (If the wells are operated by constituent company, give names and office addresses. Also separate wells owned from wells leased.)

Owned

Leased

Controlled

- 1
- 2
- 3
- 4
- 5

LIVEN

no

Location of each well.

- 1
- 2
- 3
- 4
- 5

no

Approximate annual capacity of active wells, in cubic feet.

- 1
- 2
- 3
- 4
- 5

no

*Amount 5000 to 6000000
 8 Cool Lows
 9 Coker
 10 natural gas
 and all no*

RAILROADS.

Number of miles of railroad owned, operated, or controlled by your company not directly connected with your various works. (If the railroads are operated by constituent companies give names and office addresses. Also separate railroads owned from railroads leased).

CONTROLLED

- | | | |
|----------------------------------|-------------------------------|-----------------|
| 1. Marquette & South Eastern Ry. | Wm. G. Mather, Cleveland, O. | Pres. & Treas. |
| | E.R. Perkins, Willoughby, O. | Vice-President |
| | J. H. Hoyt, Cleveland, O. | Secretary |
| | H.R. Harris, Marquette, Mich. | General Manager |

CONTROLLED

- | | | |
|-------------------------|--------------------------------|-----------------|
| 2. Munising Railway Co. | Wm. G. Mather, Cleveland, O. | Pres. & Treas. |
| | E.R. Perkins, Willoughby, O. | Vice President |
| | R. C. Mann, Cleveland, O. | Secretary |
| | H. A. Harris, Marquette, Mich. | General Manager |

~~CONTROLLED~~

- own one half*
- | | | |
|--------------------------------|----------------------------------|-----------------|
| 3. Lake Sup. and Ishpeming Ry. | Wm. G. Mather, Cleveland, O. | President |
| | Jas. B. Laughlin, Pittsburgh Pa. | Vice President |
| | Wm. G. Pollock, Cleveland, Ohio | Treasurer |
| | J.H. Hoyt, Cleveland, O. | Secretary |
| | H.R. Harris, Marquette, Mich. | General Manager |

NUMBER OF LOCOMOTIVES

- | | |
|----|-----------|
| 1. | 2 |
| 2 | 5 |
| 3 | 10 |
| | <i>17</i> |

NUMBER OF PASSENGER CARS

- | | |
|----|----------|
| 1. | None |
| 2 | 3 |
| 3 | 4 |
| | <i>7</i> |

NUMBER OF FREIGHT, ROAD & OTHER CARS

- | | |
|----|------------|
| 1. | 185 |
| 2 | 104 |
| 3 | 638 |
| | <i>927</i> |

VESSELS AND BARGES.

Number of steam vessels, including barges, owned, operated, or controlled by your company. (if the vessels and barges are operated by constituent companies give names and office addresses. Also separate vessels and barges owned from vessels and barges leased).

CONTROLLEDOFFICERS

| | | |
|-----------------------------|------------------------------|--------------------|
| Grand Island Steamship Co., | Wm. G. Mather, Cleveland, O. | Pres. & Treasurer. |
| | J. H. Sheadle, " " | Secretary |

BOATSCAPACITY IN GROSS TONS

| | |
|-----------------------|--------|
| Steamer Wm. G. Mather | 10,000 |
| " J. H. Sheadle | 10,000 |
| " Michigan | 10,000 |
| " Ishpeming | 10,000 |
| " Pontiac | 3,600 |
| " Cadillac | 2,300 |
| " Frontenac | 3,300 |
| " Pioneer | 1,800 |
| " Choctaw | 3,000 |
| " Andaste | 3,000 |
| " Falcon | 1,000 |
| Schooner Chattanooga | 4,000 |

6/2/00

OPERATEDOFFICERS

| | | |
|--------------------------------------|---------------------------------|-----------|
| Presque Isle Transportation Company. | B.F. Jones, Jr. Pittsburgh, Pa. | President |
| | Wm. G. Pollock, Cleveland, O. | Secretary |
| | Wm. G. Mather, " " | Treasurer |

BOATSCAPACITY IN GROSS TONS

| | |
|---------------------|-------|
| Steamer Peter White | 9,000 |
| " Presque Isle | 6,300 |
| " Angeline | 6,800 |

7/1/00

OFFICERS

| | | |
|-----------------------|------------------------------|-------------------|
| Hopkins Steamship Co. | Wm. G. Mather, Cleveland, O. | Pres. & Treasurer |
| | E.R. Perkins, Willoughby, O. | Vice President |
| | J. H. Sheadle, Cleveland, O. | Secretary |

BOATSCAPACITY IN GROSS TONS

| | |
|-------------------|-------|
| Steamer Centurion | 5,000 |
|-------------------|-------|

8/9/19

PIONEER IRON COMPANY

Name of company - Pioneer Iron Company

General Offices (City and street address) - Rockefeller Building, Cleveland, O.

Give year when present company or firm was organized)
 Also year when present company or firm was incorporated) Chartered Apr. 2nd, 1857.

CAPITAL STOCK.

Common stock- Amount authorized, \$125,000.00 Amount issued \$125,000.00

NAMES OF OFFICERS

| | |
|-------------------------------------|---------------------------|
| President - Geo. A. Garretson, | Address - Cleveland, Ohio |
| First Vice President, Wm. G. Mather | " - " " |
| Secretary - E. V. Hale, | " - " " |
| Treasurer - Fred A. Morse | " - " " |

List of selling agents or agencies, giving exact location of each selling agent or agency:

| | | |
|-----------------------------|--|-------------------|
| Superior Charcoal Iron Co., | Grand Rapids, Mich. | For Pig Iron |
| W. S. Gray & Co. | ^{16 May 04} New York City, N.Y. | " Acetate of Lime |
| Wood products Co. | Buffalo, N. Y. | " Wood Alcohol |
| Perth Amboy Chemical Works | ^{100 May 04} New York City, N.Y. | " Formaldehyde |

BLAST FURNACE -2

Pioneer Iron Company, Rockefeller Building, Cleveland, Ohio. Two furnaces at Marquette, Marquette County, Michigan; Carp Furnace, one stack, 58-1/2x10, built in 1872-3, burned in 1882, and re-built in 1889-90; idle for several years; revived and rebuilt in 1899 and blown in October 16, 1899; two iron stoves; warm blast; brand, "Excelsior". Pioneer Furnace No. 2, one stack, 70x12, built in 1901-3 and first put in operation April 16, 1903; three hot-blast stoves; brand, "Marquette". Ore, Lake Superior; product, car-wheel, malleable, foundry, and low-phosphorus, pig iron; total annual capacity, 60,000 tons. Austin Farrell, ^{Manager} Superintendent Pioneer Furnace No. 2 and Carp Furnace, Marquette. Charcoal kilns with an annual capacity of 6,000,000 bushels are connected with them furnaces. George A. Garrettson, President, William G. Mather, Vice-President, Fred A. Morse, Treasurer, and E. V. Hale, Secretary, Cleveland, Ohio. Selling agent, the Superior Charcoal Iron Company, Grand Rapids. - Active in 1906.

CARP FURNACE AND PIONEER FURNACE NO. 2

Please see that we give above the present dimensions, stove equipment, products, and capacity of your Carp Furnace and Pioneer Furnace No. 2

OTHER PLANTS

If you own or operate any plant or plants other than those described on the foregoing sheets we will be obliged if you will send us brief descriptions of your holdings on the sheets which follow.

1. Wood Alcohol Plant at Marquette, Mich.

Austin Farrell, Supt.

Capacity, Sheet #4

Selling Agents - Wood Products Co. Buffalo, N.Y.

2. Acetate of Lime Plant at Marquette, Mich.

Austin Farrell, Supt.

Capacity, Sheet #4

Selling Agents, W. S. Gray & Co. New York City, N. Y.

3. Formaldehyde plant at Marquette, Mich.

Austin Farrell, Supt.

Capacity, Sheet #4

Selling Agents - Perth Amboy Chemical Works, New York, N.Y.

CHARCOAL PLANT

Give number of kilns in your charcoal plant 129

Also the location of your kilns Marquette, Mich.

Also the kind of kilns

| | |
|----|-------------------|
| 30 | Ninety Cord Kilns |
| 80 | Eighty " " |
| 9 | Forty two " " |
| 10 | Twenty Five " " |

Also a complete list of the products of your charcoal plant, including all by products. Charcoal, Wood Alcohol, Acetate of Lime, Formaldehyde and ~~Pyroligneous Acid.~~

Also capacity of each product

| | |
|-----------------|---------------------|
| Charcoal | 6,000,000 Bushels . |
| Wood Alcohol | 300,000 Gallons . |
| Acetate of Lime | 3,500,000 Pounds . |
| Formaldehyde | 750,000 " |

- 5 - Foundries - no -
- 6 - Iron Ore Properties -
- 7 - Limestone Quarries.
- 8 - Coal Properties -
- 9 - Coke Ovens
- 10 - Natural Gas Wells
- 11 - Railroads
- 12 - Vernal Ponds
- 13 - Other Properties.

} All No

No. 189 *Jackson* CONFIDENTIAL.
 DEPARTMENT OF THE INTERIOR, DEPARTMENT OF AGRICULTURE,
 GEOLOGICAL SURVEY, FOREST SERVICE.

TIMBER USED IN MINES IN 1905.

Please fill out this card and return promptly in the accompanying envelope, without postage. The information obtained will be used jointly by the Geological Survey and the Forest Service in compiling data upon the kind and quantity of wood used in the mines of the United States. All replies will be held confidential, and the published totals will not reveal the names or locations of reporting mines.

Name of operator: *The Cleveland Cliff Iron Co.*
 Office address: *Cleveland, O.*
 Kind of mineral product: *Iron Ore*

Signature: _____

Spaul *Re-Mann Auditor* Date: *May 21, 1906.*

Do you get out your own timber?
 Do you use any wood preservative?
 If so, state process and results:

| Kind of Wood. | Width and Thickness. | Length. | SAWED TIMBER. | | Cost at Mine. | State from which obtained. |
|---------------|----------------------|---------|-------------------|-------------------|---------------|----------------------------|
| | | | Board Feet. | Number of Pieces. | | |
| Total | | | | | | |
| ROUND TIMBER. | | | | | | |
| Kind of Wood. | Diameter. | Length. | Number of Pieces. | Cost at Mine. | | State from which obtained. |
| Total | | | | | | |

None

No. 212 *Webster* CONFIDENTIAL.
 DEPARTMENT OF THE INTERIOR, DEPARTMENT OF AGRICULTURE,
 GEOLOGICAL SURVEY, FOREST SERVICE.

TIMBER USED IN MINES IN 1905.

Please fill out this card and return promptly in the accompanying envelope, without postage. The information obtained will be used jointly by the Geological Survey and the Forest Service in compiling data upon the kind and quantity of wood used in the mines of the United States. All replies will be held confidential, and the published totals will not reveal the names or locations of reporting mines.

Name of operator: *The Cleveland Cliff Iron Co.*
 Office address: *Cleveland, O.*
 Kind of mineral product: *Iron Ore*

Signature: _____

Spaul *Re-Mann Auditor* Date: *May 21, 1906.*

Do you get out your own timber?
 Do you use any wood preservative?
 If so, state process and results:

| Kind of Wood. | Width and Thickness. | Length. | SAWED TIMBER. | | Cost at Mine. | State from which obtained. |
|---------------|----------------------|---------|-------------------|-------------------|---------------|----------------------------|
| | | | Board Feet. | Number of Pieces. | | |
| Total | | | | | | |
| ROUND TIMBER. | | | | | | |
| Kind of Wood. | Diameter. | Length. | Number of Pieces. | Cost at Mine. | | State from which obtained. |
| Total | | | | | | |

None

No. 194 Lucy **CONFIDENTIAL.**
 DEPARTMENT OF THE INTERIOR, DEPARTMENT OF AGRICULTURE,
 GEOLOGICAL SURVEY. FOREST SERVICE.

TIMBER USED IN MINES IN 1905.

Please fill out this card and return promptly in the accompanying envelope, without postage. The information obtained will be used jointly by the Geological Survey and the Forest Service in compiling data upon the kind and quantity of wood used in the mines of the United States. All replies will be held confidential, and the published totals will not reveal the names or locations of reporting mines.

Name of operator: The Cleveland Cliff Iron Co.
 Office address: Cleveland, O.
 Kind of mineral product: Iron Ore

| SAWED TIMBER. | | | | | |
|---|----------------------|---------|-------------------|---------------|----------------------------|
| Kind of Wood. | Width and Thickness. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
| ROUND TIMBER. | | | | | |
| Total | | | | | |
| Kind of Wood. | Diameter. | Length. | Number of Pieces. | Cost at Mine. | State from which obtained. |
| (Give only timber used UNDERGROUND, as props, railroad ties, brattice work, etc.) | | | | | |
| Total | | | | | |

Do you get out your own timber? _____
 Do you use any wood preservative? _____
 If so, state process and results: _____

Signature: W. J. Spurr 1906
Superintendent Date: May 21, 1906

No. 296 Crosby **CONFIDENTIAL.**
 DEPARTMENT OF THE INTERIOR, DEPARTMENT OF AGRICULTURE,
 GEOLOGICAL SURVEY. FOREST SERVICE.

TIMBER USED IN MINES IN 1905.

Please fill out this card and return promptly in the accompanying envelope, without postage. The information obtained will be used jointly by the Geological Survey and the Forest Service in compiling data upon the kind and quantity of wood used in the mines of the United States. All replies will be held confidential, and the published totals will not reveal the names or locations of reporting mines.

Name of operator: The Cleveland Cliff Iron Co.
 Office address: Cleveland, O.
 Kind of mineral product: Iron Ore

| SAWED TIMBER. | | | | | |
|---|----------------------|---------|-------------------|---------------|----------------------------|
| Kind of Wood. | Width and Thickness. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
| ROUND TIMBER. | | | | | |
| Total | | | | | |
| Kind of Wood. | Diameter. | Length. | Number of Pieces. | Cost at Mine. | State from which obtained. |
| (Give only timber used UNDERGROUND, as props, railroad ties, brattice work, etc.) | | | | | |
| Total | | | | | |

Do you get out your own timber? _____
 Do you use any wood preservative? _____
 If so, state process and results: _____

Signature: W. J. Spurr 1906
Superintendent Date: May 21, 1906

TIMBER USED IN MINES IN 1905.

Please fill out this card and return promptly in the accompanying envelope, without postage. The information obtained will be used jointly by the Geological Survey and the Forest Service in compiling data upon the kind and quantity of wood used in the mines of the United States. All replies will be held confidential, and the published totals will not reveal the names or locations of reporting mines.

Name of operator: The Cleveland Cliffs Co.
 Office address: Cleveland, Ohio
 Kind of mineral product: Iron Ore

| SAWED TIMBER. | | | | | | |
|---------------|----------------------|---------|-------------|---------------|----------------------------|--|
| Kind of Wood. | Width and Thickness. | Length. | Board Feet. | Cost at Mine. | State from which obtained. | |
| 1. Maple | 1" x 4" | 12 1/2' | 11310 | 222.29 | Ohio | |
| 2. Spruce | 6" x 8" x 8" | " | 4712 | 91.83 | Michigan | |
| 3. White Pine | 1 1/2" x 3" | " | 92821 | 1184.17 | " | |
| Total | | | 108843 | 1498.29 | | |

| ROUND TIMBER. | | | | | | |
|---------------|-----------|---------|-------------------|---------------|----------------------------|--|
| Kind of Wood. | Diameter. | Length. | Number of Pieces. | Cost at Mine. | State from which obtained. | |
| 4. Spruce | 6 1/2" | 14 1/2' | 19787 | 687.26 | Michigan | |
| 5. Spruce | 8" | 16 1/2' | 63313 | 878.06 | " | |
| 6. Spruce | 10" | 18 1/2' | 73161 | 951.61 | " | |
| 7. Spruce | 12" | 20' | 20914 | 679.57 | " | |
| 8. Spruce | 14" | 22' | 12128 | 372.86 | " | |
| Total | | | 909205 | 3279.36 | | |

Do you get out your own timber? No
 Do you use any wood preservative? No
 If so, state process and results: _____
 Do you use any wood preservative? _____
 If so, state process and results: _____
 Signature: R. O. Mann, Auditor Date: May 21, 1905

TIMBER USED IN MINES IN 1905.

Please fill out this card and return promptly in the accompanying envelope, without postage. The information obtained will be used jointly by the Geological Survey and the Forest Service in compiling data upon the kind and quantity of wood used in the mines of the United States. All replies will be held confidential, and the published totals will not reveal the names or locations of reporting mines.

Name of operator: The Cleveland Cliffs Co.
 Office address: Cleveland, Ohio
 Kind of mineral product: Iron Ore

| SAWED TIMBER. | | | | | | |
|---------------|----------------------|---------|-------------|---------------|----------------------------|--|
| Kind of Wood. | Width and Thickness. | Length. | Board Feet. | Cost at Mine. | State from which obtained. | |
| Total | | | | | | |

| ROUND TIMBER. | | | | | | |
|---------------|-----------|---------|-------------------|---------------|----------------------------|--|
| Kind of Wood. | Diameter. | Length. | Number of Pieces. | Cost at Mine. | State from which obtained. | |
| Total | | | | | | |

Do you get out your own timber? _____
 Do you use any wood preservative? _____
 If so, state process and results: _____
 Do you use any wood preservative? _____
 If so, state process and results: _____
 Signature: W. H. Bennett, Auditor Date: May 21, 1905
None - Open Pit

1) Maple 2x3" 8978 ft 143.91 min
 Oak 1-2-3-4" 2332 . 71.38 Ky.
 11010 01811 *Dr. Bell*

2) Hem. 6x12" - 960 ft. 14.46.
 Pine. 6x12 x 8x12" 2700 77.37
 4712 9183

Hemlock 1-2x3" 90309 ft 1145.23
 Larch 2" 2512 . 38.94
 92821 1184.17

Hemlock Stud 65036 ft 2398.43
 Larch " 120781 " 4454.24
 185819 685267

16

CONFIDENTIAL
 DEPARTMENT OF AGRICULTURE
 FOREST SERVICE

TIMBER USED IN MINES IN 1905.

Please fill out this card and return promptly in the accompanying envelope, without postage. The information obtained will be used jointly by the Geological Survey and the Forest Service in compiling data upon the kind and quantity of wood used in the mines of the United States. All replies will be held confidential, and the published totals will not reveal the names or locations of reporting mines.

Name of operator: *W. C. Chapman & Co.*
 Office address: *Chapman, Ill.*
 Kind of mineral produced: *Iron Ore*

| SAWED TIMBER. | | | | | |
|--|---|--|---|---|----------------------------|
| Kind of Wood. | Width and Thickness. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
| ROUND TIMBER. | | | | | |
| Kind of Wood. <td>Diameter. <td>Length. <td>Number of Pieces. <td>Cost at Mine. <td>State from which obtained.</td> </td></td></td></td> | Diameter. <td>Length. <td>Number of Pieces. <td>Cost at Mine. <td>State from which obtained.</td> </td></td></td> | Length. <td>Number of Pieces. <td>Cost at Mine. <td>State from which obtained.</td> </td></td> | Number of Pieces. <td>Cost at Mine. <td>State from which obtained.</td> </td> | Cost at Mine. <td>State from which obtained.</td> | State from which obtained. |
| Total | | | | | |

Do you use any wood preservative? _____
 (Give only timber used UNDERGROUND, as props, railroad ties, brattice work, etc.)

Signature: *W. C. Chapman* dated *May 27, 1906*
 Date: _____

None - Iron Ore

TIMBER USED IN MINES IN 1905.

Please fill out this card and return promptly in the accompanying envelope, without postage. The information obtained will be used jointly by the Geological Survey and the Forest Service in compiling data upon the kind and quantity of wood used in the mines of the United States. All replies will be held confidential, and the published totals will not reveal the names or locations of reporting mines.

Name of operator: The Cleveland Cliff Mines
 Office address: Cleveland, O.
 Kind of mineral product: Iron Ore

Do you get out your own timber?
 Do you use any wood preservative?
 If so, state process and results:

| Kind of Wood. | | Width and Thickness. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
|-------------------|---------------------|----------------------|---------------|---------------|---------------|----------------------------|
| SAWED TIMBER. | | | | | | |
| <u>White Pine</u> | <u>12x3"</u> | <u>12 1/2'</u> | <u>8523</u> | <u>109.95</u> | <u>Mich</u> | |
| <u>Maple</u> | <u>1 1/4"</u> | <u>"</u> | <u>2380</u> | <u>44.23</u> | <u>"</u> | |
| <u>Hickory</u> | <u>6 1/2x12x12"</u> | <u>"</u> | <u>3936</u> | <u>48.66</u> | <u>"</u> | |
| Total | | | <u>14839</u> | <u>202.84</u> | | |
| ROUND TIMBER. | | | | | | |
| <u>White Pine</u> | <u>cutting</u> | <u>6 1/2'</u> | <u>8795</u> | <u>44.61</u> | <u>Mich</u> | |
| <u>Maple</u> | <u>cutting</u> | <u>+</u> | <u>15935</u> | <u>78.87</u> | <u>"</u> | |
| <u>White Pine</u> | <u>cutting</u> | <u>7</u> | <u>81355</u> | <u>536.05</u> | <u>"</u> | |
| Total | | | <u>106165</u> | <u>669.53</u> | | |

Signature: Liquid P. E. Mann Auditor Date: May 21, 1906.

TIMBER USED IN MINES IN 1905.

Please fill out this card and return promptly in the accompanying envelope, without postage. The information obtained will be used jointly by the Geological Survey and the Forest Service in compiling data upon the kind and quantity of wood used in the mines of the United States. All replies will be held confidential, and the published totals will not reveal the names or locations of reporting mines.

Name of operator: The Cleveland Cliff Mines
 Office address: Cleveland, O.
 Kind of mineral product: Iron Ore

Do you get out your own timber?
 Do you use any wood preservative?
 If so, state process and results:

| Kind of Wood. | | Width and Thickness. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
|-------------------|---------------------|----------------------|---------------|---------------|---------------|----------------------------|
| SAWED TIMBER. | | | | | | |
| <u>White Pine</u> | <u>12x3"</u> | <u>12 1/2'</u> | <u>98674</u> | <u>496.52</u> | <u>Mich</u> | |
| <u>Maple</u> | <u>1"</u> | <u>"</u> | <u>26</u> | <u>.52</u> | <u>"</u> | |
| <u>Hickory</u> | <u>6 1/2x12x12"</u> | <u>"</u> | <u>3900</u> | <u>48.50</u> | <u>"</u> | |
| Total | | | <u>102600</u> | <u>645.54</u> | | |
| ROUND TIMBER. | | | | | | |
| <u>White Pine</u> | <u>cutting</u> | <u>7 1/2'</u> | <u>106949</u> | <u>60.48</u> | <u>Mich</u> | |
| <u>Maple</u> | <u>cutting</u> | <u>7 1/2'</u> | <u>44318</u> | <u>29.57</u> | <u>"</u> | |
| <u>Hickory</u> | <u>cutting</u> | <u>7 1/2'</u> | <u>106949</u> | <u>49.00</u> | <u>"</u> | |
| Total | | | <u>218216</u> | <u>139.05</u> | | |

Signature: Liquid P. E. Mann Auditor Date: May 21, 1906.

No. 801 Quarter CONFIDENTIAL
 DEPARTMENT OF THE INTERIOR, DEPARTMENT OF AGRICULTURE,
 GEOLOGICAL SURVEY, FOREST SERVICE.

TIMBER USED IN MINES IN 1905.

Please fill out this card and return promptly in the accom-
 panying envelope to the nearest office of the Forest Service.
 The information obtained will be used jointly by the Geological Survey and the Forest
 Service in compiling data upon the kind and quantity of wood
 used in the mines of the United States. All replies will be
 held confidential and the published totals will not reveal the
 names or ^{places} of individual mines.

Name of Mine: Hammond Collieries
 Office address: Hammond, Ind.
 Kind of mineral product: Coal

| SAWED TIMBER. | | | |
|--|---------------------------|----------------|---------------|
| Kind of Wood. | Width and Thick- ness. | Length. | Board Feet. |
| <u>White Pine</u> | <u>12x3"</u> | <u>12 1/2'</u> | <u>828</u> |
| <u>Maple</u> | <u>12 1/2"</u> | <u>12 1/2'</u> | <u>44.23</u> |
| <u>White Pine</u> | <u>6x12x12</u> | <u>"</u> | <u>393.6</u> |
| Total | | | <u>1482.9</u> |
| State from which obtained | | | <u>Ind.</u> |
| Cost at Mine. | | | <u>202.87</u> |
| ROUND TIMBER. | | | |
| Kind of Wood. | Diameter. | Length. | Cubic Feet. |
| <u>White Pine</u> | <u>6 1/2"</u> | <u>8 1/2'</u> | <u>192.87</u> |
| <u>White Pine</u> | <u>6 1/2"</u> | <u>19 1/2'</u> | <u>184.87</u> |
| Total | | | <u>377.74</u> |
| State from which obtained | | | <u>Ind.</u> |
| Cost at Mine. | | | <u>102.61</u> |
| (five only timber used UNDERGROUND, as props, railroad ties, bracing work, etc.) | | | |
| Do you get out your own timber? | | | <u>Yes</u> |
| If so, state process and results: | | | |
| Signature: <u>Wm. R. Moore, Auditor</u> Date: <u>May 27, 1906</u> | | | |

17 Numbered Stulls 7624 ft
Sawmacks 14160 "
48784
501.00
560.50
862.30

No. 195 Mado CONFIDENTIAL.
 DEPARTMENT OF THE INTERIOR, DEPARTMENT OF AGRICULTURE,
 GEOLOGICAL SURVEY, FOREST SERVICE.

TIMBER USED IN MINES IN 1905.

Please fill out this card and return promptly in the accompanying envelope, without postage. The information obtained will be used jointly by the Geological Survey and the Forest Service in compiling data upon the kind and quantity of wood used in the mines of the United States. All replies will be held confidential, and the published totals will not reveal the names or locations of reporting mines.

Name of operator: The Cleveland Cliffs Co.
 Office address: Cleveland, O.
 Kind of mineral product: Iron Ore

| Kind of Wood. | Width and Thickness. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
|----------------------|-----------------------|----------------|----------------|----------------|----------------------------|
| <u>Spaulket Pine</u> | <u>1-2 x 3"</u> | <u>12 1/2'</u> | <u>62903</u> | <u>875.46</u> | <u>Miss.</u> |
| <u>Hardlock</u> | <u>2 1/2 x 4 1/2"</u> | <u>11'</u> | <u>24090</u> | <u>509.27</u> | <u>"</u> |
| <u>Lawrence</u> | <u>2"</u> | <u>20</u> | <u>44740</u> | <u>928.27</u> | <u>"</u> |
| Total | | | <u>131,533</u> | <u>2025.10</u> | |

| Kind of Wood. | Diameter. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
|-------------------------|--------------------|----------------|--------------|---------------|----------------------------|
| <u>11 Steam Lumber</u> | <u>8 1/2" x 0"</u> | <u>14 1/2'</u> | <u>336</u> | <u>119.24</u> | <u>Miss.</u> |
| <u>Our other lumber</u> | <u>Logging</u> | <u>7'</u> | <u>14758</u> | <u>88.55</u> | <u>"</u> |
| <u>Hardware</u> | <u>2 1/2"</u> | <u>5'</u> | <u>6060</u> | <u>19.50</u> | <u>"</u> |
| Total | | | <u>23374</u> | <u>29.27</u> | |

(Give only timber used UNDERGROUND, as props, railroad ties, brattice work, etc.)

Do you get out your own timber? No
 Do you use any wood preservative? No
 If so, state process and results: _____

Signature: Signal A. O. Mann Auditor Date: May 21, 1905

No. 262 Ashland CONFIDENTIAL.
 DEPARTMENT OF THE INTERIOR, DEPARTMENT OF AGRICULTURE,
 GEOLOGICAL SURVEY, FOREST SERVICE.

TIMBER USED IN MINES IN 1905.

Please fill out this card and return promptly in the accompanying envelope, without postage. The information obtained will be used jointly by the Geological Survey and the Forest Service in compiling data upon the kind and quantity of wood used in the mines of the United States. All replies will be held confidential, and the published totals will not reveal the names or locations of reporting mines.

Name of operator: The Cleveland Cliffs Co.
 Office address: Cleveland, O.
 Kind of mineral product: Iron Ore

| Kind of Wood. | Width and Thickness. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
|----------------------|-----------------------|----------------|----------------|----------------|----------------------------|
| <u>Spaulket Pine</u> | <u>1 1/2" x 3"</u> | <u>12 1/2'</u> | <u>122,970</u> | <u>1487.23</u> | <u>Miss.</u> |
| <u>Hardlock</u> | <u>2 1/2 x 4 1/2"</u> | <u>11'</u> | <u>98243</u> | <u>189.98</u> | <u>"</u> |
| <u>Lawrence</u> | <u>2"</u> | <u>20'</u> | <u>8890</u> | <u>165.87</u> | <u>"</u> |
| Total | | | <u>178,255</u> | <u>1904.51</u> | |

| Kind of Wood. | Diameter. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
|-------------------------|----------------|----------------|------------------|----------------|----------------------------|
| <u>11 Steam Lumber</u> | <u>8 1/2"</u> | <u>14 1/2'</u> | <u>182296</u> | <u>5904.74</u> | <u>Miss.</u> |
| <u>Our other lumber</u> | <u>Logging</u> | <u>7 1/2'</u> | <u>924,250</u> | <u>3615.00</u> | <u>"</u> |
| <u>Hardware</u> | <u>2 1/2"</u> | <u>5'</u> | <u>99,250</u> | <u>1074.20</u> | <u>"</u> |
| Total | | | <u>1,806,673</u> | <u>1008.25</u> | |

(Give only timber used UNDERGROUND, as props, railroad ties, brattice work, etc.)

Do you get out your own timber? No
 Do you use any wood preservative? No
 If so, state process and results: _____

Signature: Signal A. O. Mann Auditor Date: May 21, 1905

| | | | | |
|-----|----------|----------|--------------|---------------|
| (1) | hemlock | 2+3" | 13151 ft | \$ 162.17 |
| | Tamarack | 3" | 1915 " | 31.91 |
| | Pine | 1" to 4" | 2474 " | 37.92 |
| | | | <u>17540</u> | <u>232.00</u> |

| | | | | |
|-----|----------|------|--------------|---------------|
| (1) | Pine | 1" | 1461 ft | \$ 20.82 |
| | Hemlock | 2+3" | 21986 " | 165.34 |
| | Tamarack | 2" | 512 " | 11.26 |
| | | | <u>23759</u> | <u>197.42</u> |

| | | | | |
|-----|----------------|--|----------------|----------------|
| (2) | Hemlock Stulls | | 35298 ft | \$ 1628.03 |
| | Tamarack " | | 65554 " | 3023.50 |
| | | | <u>100.852</u> | <u>4651.53</u> |

No. 184 Cleveland Lake CONFIDENTIAL.
 DEPARTMENT OF THE INTERIOR, DEPARTMENT OF AGRICULTURE,
 GEOLOGICAL SURVEY, FOREST SERVICE.

TIMBER USED IN MINES IN 1905.

Please fill out this card and return promptly in the accompanying envelope, without postage. The information obtained will be used jointly by the Geological Survey and the Forest Service in compiling data upon the kind and quantity of wood used in the mines of the United States. All replies will be held confidential, and the published totals will not reveal the names or locations of reporting mines.

Name of operator: Cleveland Cliff Smelter
 Office address: Cleveland Ohio
 Kind of mineral product: Iron Ore

| Kind of Wood. | Width and Thickness. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
|---------------|----------------------|----------|-------------|---------------|----------------------------|
| White Pine | 1 1/2" x 3 3/4" | 12-5.6' | 116250 | 142.29 | Michigan |
| Maple | 1 1/2" x 4" | " | 33885 | 65.62 | at Bark |
| White Oak | 12" x 12" | 12-2.20' | 41.76 | 6.62 | Michigan |
| Pine | 10" x 12" | 16.7.40' | 57.68 | 130.85 | Washington |
| Total | | | 160709 | 2208.01 | |

| Kind of Wood. | Diameter. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
|---------------|-----------|---------|-------------|---------------|----------------------------|
| White Pine | 8" | 4-7.5' | 290.000 | 970.14 | Michigan |
| Maple | 8" | " | 176.153 | 8247.31 | Michigan |
| White Pine | 8" | 7' | 46.850 | 278.10 | " |
| Maple | 8" | 7-1.30' | 63.013 | 330.13 | " |
| White Pine | 8" | 5' | 117.764 | 4873.02 | " |
| Total | | | 697.077 | 2080.31 | |

Do you get out your own timber? No
 Do you use any wood preservative? No
 If so, state process and results: _____

Signature: Geo. W. Mann Auditor Date: May 21, 1906

No. 183 Maro CONFIDENTIAL.
 DEPARTMENT OF THE INTERIOR, DEPARTMENT OF AGRICULTURE,
 GEOLOGICAL SURVEY, FOREST SERVICE.

TIMBER USED IN MINES IN 1905.

Please fill out this card and return promptly in the accompanying envelope, without postage. The information obtained will be used jointly by the Geological Survey and the Forest Service in compiling data upon the kind and quantity of wood used in the mines of the United States. All replies will be held confidential, and the published totals will not reveal the names or locations of reporting mines.

Name of operator: Cleveland Cliff Smelter
 Office address: Cleveland Ohio
 Kind of mineral product: Iron Ore

| Kind of Wood. | Width and Thickness. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
|---------------|----------------------|---------|-------------|---------------|----------------------------|
| White Pine | 1 1/2" x 3 3/4" | 12-5.6' | 4309 | 76.25 | Michigan |
| Maple | 1 1/2" x 4" | 16' | 40.81 | 67.10 | " |
| White Oak | 12" x 12" | - | 256 | 39.3 | " |
| Total | | | 93.65 | 173.91 | |

| Kind of Wood. | Diameter. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
|---------------|-----------|---------|-------------|---------------|----------------------------|
| White Pine | 8" | 4-7.5' | 108 | 20.55 | Michigan |
| Maple | 8" | 7-1.30' | 189.9 | 24.40 | " |
| White Pine | 8" | 5' | 26.57 | 44.20 | " |
| Total | | | 404.44 | 4.38 | |

Do you get out your own timber? No
 Do you use any wood preservative? No
 If so, state process and results: _____

Signature: Geo. W. Mann Auditor Date: May 21, 1906

(1) Oak 7994 ft. #296.56 Ky.
 maple 26091 " 358.09 Mich
 33885 654.65

No. 113. Maso
 CONFIDENTIAL
 DEPARTMENT OF THE INTERIOR, DEPARTMENT OF AGRICULTURE,
 GEOLOGICAL SURVEY, FOREST SERVICE.

TIMBER USED IN MINES IN 1905.

Please fill out this card and return promptly in the accompanying envelope, without postage. The information obtained will be used jointly by the Geological Survey and the Forest Service in compiling data upon the kind and quantity of wood used in the mines of the United States. All replies will be held confidential, and the published totals will not reveal the names or locations of reporting mines.

Name of operator: *W. C. L. & Co. Inc.*
 Office address: *Chicago, Ill.*
 Kind of mineral product: *Soft Pine*

| SAWED TIMBER. | | | | | |
|----------------|-------------------------|---------------|--------------|---------------|----------------------------|
| Kind of Wood. | Width and Thickness. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
| <i>Hemlock</i> | <i>1" x 3"</i> | <i>12' 6"</i> | <i>43.09</i> | <i>76.25</i> | <i>Mich</i> |
| | <i>2" x 2" x 2 1/2"</i> | | <i>40.81</i> | <i>67.10</i> | |
| <i>Elm</i> | <i>6" x 8"</i> | <i>16'</i> | <i>25.6</i> | <i>39.3</i> | |
| <i>Oak</i> | <i>2" x 3" x 4"</i> | | <i>71.9</i> | <i>26.63</i> | <i>Ky</i> |
| Total | | | <i>93.65</i> | <i>173.91</i> | |

| ROUND TIMBER. | | | | | |
|-----------------------------|------------|-------------|------------------|---------------|----------------------------|
| Kind of Wood. | Diameter. | Length. | <i>Log Feet.</i> | Cost at Mine. | State from which obtained. |
| <i>Southern Yellow Pine</i> | <i>12"</i> | <i>108'</i> | <i>108</i> | <i>20.55</i> | <i>Mich</i> |
| <i>Maple</i> | <i>8"</i> | <i>159'</i> | <i>159</i> | <i>24.25</i> | |
| <i>White Oak</i> | <i>12"</i> | <i>263'</i> | <i>263</i> | <i>2.40</i> | |
| <i>Red Oak</i> | <i>8"</i> | <i>142'</i> | <i>142</i> | <i>4.38</i> | |
| Total | | | <i>672</i> | <i>95.78</i> | |

(Give only timber used UNDERGROUND, as props, railroad ties, brattice work, etc.)

Do you get out your own timber? *No.*
 Do you use any wood preservative? *No.*
 If so, state process and results: _____

Signature: *Edward P. Mann, Auditor* Date: *May 21, 1906*

No. 185 Cliffs Shaft CONFIDENTIAL.
 DEPARTMENT OF THE INTERIOR, DEPARTMENT OF AGRICULTURE,
 GEOLOGICAL SURVEY, FOREST SERVICE.

TIMBER USED IN MINES IN 1905.

Please fill out this card and return promptly in the accompanying envelope, without postage. The information obtained will be used jointly by the Geological Survey and the Forest Service in compiling data upon the kind and quantity of wood used in the mines of the United States. All replies will be held confidential, and the published totals will not reveal the names or locations of reporting mines.

Name of operator: The Cleveland Cliffs Co.

Office address: Cleveland

Kind of mineral product: Iron Ore

| Kind of Wood. | Width and Thickness. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
|----------------------------|-----------------------------------|----------------|--------------|---------------|----------------------------|
| (1) <u>Stems, Pine Saw</u> | <u>1" to 4"</u> | | <u>17540</u> | <u>232.00</u> | <u>Mich</u> |
| <u>Maple</u> | <u>1 1/4 to 2 1/2"</u> | | <u>309</u> | <u>6.43</u> | <u>Ky</u> |
| <u>Oak</u> | <u>1" to 4"</u> | | <u>177</u> | <u>6.93</u> | <u>Mich</u> |
| <u>Iron -</u> | <u>9" x 4" 5/12 x 12" 1/4 6/8</u> | | <u>44796</u> | <u>662.90</u> | <u>Mich</u> |
| Total | | | <u>63812</u> | <u>809.27</u> | |
| ROUND TIMBER | | | | | |
| Kind of Wood. | Diameter. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
| <u>Pine - Saw</u> | <u>6" to 7 1/2"</u> | <u>12 8/16</u> | <u>202</u> | <u>33.44</u> | <u>Mich</u> |
| <u>Pine - Saw</u> | <u>8" to 10"</u> | <u>9'</u> | <u>1808</u> | <u>15.68</u> | <u>"</u> |
| <u>Pine, Saw - Old</u> | <u>8" to 10"</u> | <u>4' 6"</u> | <u>3321'</u> | <u>60.42</u> | <u>"</u> |
| <u>Pine - Old</u> | <u>8" to 10"</u> | <u>4' 6"</u> | <u>3321'</u> | <u>60.42</u> | <u>"</u> |
| Total | | | <u>7887</u> | <u>146.94</u> | |

Do you get out your own timber? No
 Do you use any wood preservative? No
 If so, state process and results: _____

Signature: Edward A. C. Mans Date: May 21, 1905

No. 205 Salisbury CONFIDENTIAL.
 DEPARTMENT OF THE INTERIOR, DEPARTMENT OF AGRICULTURE,
 GEOLOGICAL SURVEY, FOREST SERVICE.

TIMBER USED IN MINES IN 1905.

Please fill out this card and return promptly in the accompanying envelope, without postage. The information obtained will be used jointly by the Geological Survey and the Forest Service in compiling data upon the kind and quantity of wood used in the mines of the United States. All replies will be held confidential, and the published totals will not reveal the names or locations of reporting mines.

Name of operator: The Cleveland Cliffs Co.

Office address: Cleveland

Kind of mineral product: Iron Ore

| Kind of Wood. | Width and Thickness. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
|----------------------------|------------------------|----------------|---------------|----------------|----------------------------|
| (1) <u>Stems, Pine Saw</u> | <u>1 1/4 to 2 1/2"</u> | | <u>100802</u> | <u>4651.53</u> | <u>Mich</u> |
| <u>Pine - Saw</u> | <u>8" to 10"</u> | <u>9'</u> | <u>63191</u> | <u>376.71</u> | <u>"</u> |
| <u>Pine - Old</u> | <u>8" to 10"</u> | <u>4' 6"</u> | <u>40624</u> | <u>1360.09</u> | <u>"</u> |
| <u>Pine - Old</u> | <u>8" to 10"</u> | <u>4' 6"</u> | <u>4724</u> | <u>27.22</u> | <u>"</u> |
| Total | | | <u>212741</u> | <u>6695.55</u> | |
| ROUND TIMBER | | | | | |
| Kind of Wood. | Diameter. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
| <u>Pine - Saw</u> | <u>6" to 8"</u> | <u>12 8/16</u> | <u>394</u> | <u>9.60</u> | <u>Mich</u> |
| <u>Pine - Saw</u> | <u>8" to 10"</u> | <u>12 8/16</u> | <u>33709</u> | <u>197.47</u> | <u>Ky</u> |
| <u>Pine - Old</u> | <u>8" to 10"</u> | <u>4' 6"</u> | <u>1288</u> | <u>51.55</u> | <u>"</u> |
| Total | | | <u>25271</u> | <u>258.62</u> | |

Do you get out your own timber? No
 Do you use any wood preservative? No
 If so, state process and results: _____

Signature: Edward A. C. Mans Date: May 21, 1905

16

| | | | | |
|-----|----------|-------|--------------|---------------|
| (1) | Heulock | 2'03" | 13151 ft | \$162.17 |
| | Tamarack | 3" | 1915 " | 31.91 |
| | Pine | 1"74" | 2474 " | 37.92 |
| | | | <u>17540</u> | <u>232.00</u> |

| | | | | |
|-----|----------|-------|--------------|---------------|
| (1) | Pine | 1" | 1461 ft | \$20.82 |
| | Heulock | 2'03" | 21786 " | 165.34 |
| | Tamarack | 2" | 512 " | 11.26 |
| | | | <u>23759</u> | <u>197.42</u> |

| | | | | |
|-----|----------------|--|----------------|----------------|
| (2) | Heulock Stulls | | 35298 ft | \$1628.03 |
| | Tamarack | | 65554 " | 3023.50 |
| | | | <u>100.852</u> | <u>4651.53</u> |

mt.

No. 211 *Imperial* **CONFIDENTIAL.**
 DEPARTMENT OF THE INTERIOR, DEPARTMENT OF AGRICULTURE,
 GEOLOGICAL SURVEY, FOREST SERVICE.

TIMBER USED IN MINES IN 1905.

Please fill out this card and return promptly in the accompanying envelope, without postage. The information obtained will be used jointly by the Geological Survey and the Forest Service in compiling data upon the kind and quantity of wood used in the mines of the United States. All replies will be held confidential, and the published totals will not reveal the names or locations of reporting mines.

Name of operator: *The Cleveland Cliff Mine*
 Office address: *Cleveland, O.*
 Kind of mineral product: *Iron Ore*

SAWED TIMBER.

| Kind of Wood. | Width and Thickness. | Length. | Board Feet. | Cost at Mine. | State from which obtained. |
|---------------|----------------------|---------|-------------|---------------|----------------------------|
| | | | | | |
| | | | | | |
| | | | | | |
| Total | | | | | |

ROUND TIMBER.

| Kind of Wood. | Diameter. | Length. | Number of Pieces. | Cost at Mine. | State from which obtained. |
|---------------|-----------|---------|-------------------|---------------|----------------------------|
| | | | | | |
| | | | | | |
| | | | | | |
| Total | | | | | <i>None</i> |

(Give only timber used UNDERGROUND, as props, railroad ties, brattice work, etc.)

Do you get out your own timber?

Do you use any wood preservative?

If so, state process and results:

Signature: *Not operated during 1906*
Edward A. Gorman, Auditor
 Date: *May 21, 1906*

No. 174.

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. (A.)

For use only in the preparation of general data for the "Mineral Resources of the United States, 1905," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1905, at the

Austin.

[Give name or designation of mine.]

Located at

Princeton

County of

Marquette State of Mich.

Information supplied by

Wm. 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

Total quantity of marketable iron ore mined or produced during the year 1905

61,873

[If none, so state.]

B. State stock of iron ore on hand at MINE December 31, 1905.

51,033

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, 1905, 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, is asked for.

19851b1800-9-05

\$ 138,669.75

No. 183.

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. (A.)

For use only in the preparation of general data for the "Mineral Resources of the United States, 1905," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1905, at the

Cleveland Hard Ore.

[Give name or designation of mine.]

Located at

Lakewood

County of

Marquette State of Mich.

Information supplied by

Wm. 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

Total quantity of marketable iron ore mined or produced during the year 1905

None

[If none, so state.]

B. State stock of iron ore on hand at MINE December 31, 1905.

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, 1905, 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, is asked for.

19851b1800-9-05

\$ None

Review 1905 for Annual Report.
See also 1904 - Plans for 1905.

Review 23,229 * 72.11

Review 29,444 * 339

184.
No.

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. (B.)

For use only in the preparation of general data for the "Mineral Resources of the United States, 1905," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1905, at the

Cleveland Lake.

[Give name or designation of mine.]

Located at

County of

Information supplied by

[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

Total quantity of marketable iron ore mined or produced during the year 1905

[If none, so state.]

551,304

B. State stock of iron ore on hand at MINE December 31, 1905.

61,854

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, 1905, 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, is asked for.

\$1,237,811.59

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

Answer.

19852b300-9-05

ham 405.593 @ 2.14
1 Rev. 131.652 @ 2.68
I.R. Sil 13.759 @ 1.19

Dec 31 to Dec 31.

No. 185.

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. (B.)

For use only in the preparation of general data for the "Mineral Resources of the United States, 1905," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1905, at the

Cliff's Shaft.

[Give name or designation of mine.]

Located at

County of

Information supplied by

[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

Total quantity of marketable iron ore mined or produced during the year 1905

[If none, so state.]

230,915

B. State stock of iron ore on hand at MINE December 31, 1905.

32,927

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, 1905, 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, is asked for.

\$655,798.60

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

Answer.

19852b300-9-05

W. H. H. 230,915 @ 2.84

Dec 31 to Dec 31.

No. 194.

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. (A.)

For use only in the preparation of general data for the "Mineral Resources of the United States, 1905," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1905, at the

Lucy.

[Give name or designation of mine.]

Located at Stegannus

County of Marquette State of Mich.

Information supplied by Wm. 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 _____

Total quantity of marketable iron ore mined or produced during the year 1905 closed None

[If none, so state.]

B. State stock of iron ore on hand at MINE December 31, 1905.

2285 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, 1905, 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, is asked for.

\$ None

19851b1800-9-05

see 31 to Dec 31.

No. 195.

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. (A.)

For use only in the preparation of general data for the "Mineral Resources of the United States, 1905," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1905, at the

Maas.

[Give name or designation of mine.]

Located at Stegannus

County of Marquette State of Mich.

Information supplied by Wm. 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 _____

Total quantity of marketable iron ore mined or produced during the year 1905 Opening None

[If none, so state.]

B. State stock of iron ore on hand at MINE December 31, 1905.

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, 1905, 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, is asked for.

\$ None

19851b1800-9-05

No. 198.

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. (B)

For use only in the preparation of general data for the "Mineral Resources of the United States, 1905," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1905, at the

Negaunee.

[Give name or designation of mine.]

Located at

Negaunee

County of

Marquette State of Mich.

Information supplied by

Wm. 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.....

Total quantity of marketable iron ore mined or produced during the year 1905..... 242,301
[If none, so state.]

B. State stock of iron ore on hand at MINE December 31, 1905.

21,907 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, 1905, 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, is asked for.

\$ 517,209.23

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

Answer.

19852b300-9-05

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. (A.)

For use only in the preparation of general data for the "Mineral Resources of the United States, 1905," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1905, at the

Ogden.

[Give name or designation of mine.]

Located at

Iskeming

County of

Marquette State of Mich.

Information supplied by

Wm. 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.....

Total quantity of marketable iron ore mined or produced during the year 1905..... 6806
[If none, so state.]

B. State stock of iron ore on hand at MINE December 31, 1905.

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, 1905, 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, is asked for.

\$ 6394.64

19851b1800-9-05

115.610. Reg. 2.03

126.691. Reg. Rev. 2.29

sec 31 to sec 31.

6806 Iron Ore 9+4

No. 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. (A.)

For use only in the preparation of general data for the "Mineral Resources of the United States, 1905," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1905, at the

Imperial.

[Give name or designation of mine.]

Located at near Michigamme

County of Baraga State of Mich.

Information supplied by Wm. F. 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 _____

Black hematite, specular or fossil ore _____

Magnetic ore _____

Carbonate or black band ore _____

Total quantity of marketable iron ore mined or produced during the year 1905 None

[If none, so state.]

B. State stock of iron ore on hand at MINE December 31, 1905.

5120 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, 1905, 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, is asked for.

\$ None

19851b1800-9-05

No. 205.

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. (B.)

For use only in the preparation of general data for the "Mineral Resources of the United States, 1905," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1905, at the

Salisbury.

[Give name or designation of mine.]

Located at Shkemung

County of Marquette State of Mich.

Information supplied by Wm. F. 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 _____

Total quantity of marketable iron ore mined or produced during the year 1905 149,664

[If none, so state.]

B. State stock of iron ore on hand at MINE December 31, 1905.

20,100 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, 1905, 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, is asked for.

\$ 335,361.18

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

Answer _____

19852b300-9-05

69786 Salisb. 7-15

18322 "Bar. 2-72

66556 Clinton 2-24

No. 212.

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. (A.)

For use only in the preparation of general data for the "Mineral Resources of the United States, 1905," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1905, at the

Webster.

[Give name or designation of mine.]

Located at Near Michigamme

County of Baraga State of Mich.

Information supplied by W. T. 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.....

Total quantity of marketable iron ore mined or produced during the year 1905 3000 stone
[If none, so state.]

B. State stock of iron ore on hand at MINE December 31, 1905.

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, 1905, 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, is asked for.

\$ None

19851b1800-9-05

No. 262.

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. (B)

For use only in the preparation of general data for the "Mineral Resources of the United States, 1905," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1905, at the

Ashland.

[Give name or designation of mine.]

Located at Ironwood

County of Pogebie State of Mich.

Information supplied by Wm. 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.....

Total quantity of marketable iron ore mined or produced during the year 1905 345448
[If none, so state.]

B. State stock of iron ore on hand at MINE December 31, 1905.

31217 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, 1905, 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, is asked for.

\$ 799500.10

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

Answer.
19852b300-9-05

337,642 Ashland @ 2.32
3,149 Taylor @ 2.11
4607 Globe @ 2.11

Dec 31 to Dec 31.

296
No.

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. (A.)

For use only in the preparation of general data for the "Mineral Resources of the United States, 1905," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1905, at the

Crosby,

[Give name or designation of mine.]

Located at

Nashwanuk

County of

Stasea State of *Minn.*

Information supplied by

W. F. 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.....

Total quantity of marketable iron ore mined or produced during the year 1905..... *opening* *none*
[If none, so state.]

B. State stock of iron ore on hand at MINE December 31, 1905.

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, 1905, 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, is asked for.

None

19851b1800-9-05

No.

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. (A.)

For use only in the preparation of general data for the "Mineral Resources of the United States, 1905," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1905, at the

Princeton

[Give name or designation of mine.]

Located at

Princeton

County of

Marquette State of *Mich.*

Information supplied by

W. F. 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.....

Total quantity of marketable iron ore mined or produced during the year 1905..... *138.062* *59.662*
[If none, so state.]

B. State stock of iron ore on hand at MINE December 31, 1905.

20601

..... 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, 1905, 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, is asked for.

128020.85
299.194.90

19851b1800-9-05

30656 Princeton by cost 8/1 to 12/31
30995 " " 1/16 to 8/1/05
61651 @ 1.99 = 122685.49

29011 Cambridge by cost 8/1 to 12/31
47400 " " 1/16 to 8/1/05
76411 @ 2.31 = 176509.41

138.062
299.194.90

No.

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. (A.)

For use only in the preparation of general data for the "Mineral Resources of the United States, 1905," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1905, at the

Moro
[Give name or designation of mine.]

Located at

Shpenning

County of

Marquette State of *Mich.*

Information supplied by

W. V. 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

Total quantity of marketable iron ore mined or produced during the year 1905 *76244*
[If none, so state.]

B. State stock of iron ore on hand at MINE December 31, 1905.

39742 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, 1905, 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, is asked for.

19851b1800-9-05

\$ *208908.56*

76244 net - 2 774.
Net to Mine

2nd Card. Please answer promptly.
No. *189*.....

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. (A.)

For use only in the preparation of general data for the "Mineral Resources of the United States, 1905," to be published by the United States Geological Survey.

IRON ORE MINED during the year ending December 31, 1905, at the

Jackson
[Give name or designation of mine.]

Located at

Sequan

County of

Marquette state of *Mich.*

Information supplied by

W. V. Mather
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

Total quantity of marketable iron ore mined or produced during the year 1905 *33130*
[If none, so state.]

B. State stock of iron ore on hand at MINE December 31, 1905.

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, 1905, 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, is asked for.

19851b1800-9-05

\$ *33792.60*

Price 70¢ at mine

ROBERT MCAFEE,
SECRETARY.

RECEIVED
MAY 4 - 1906.



PENNSYLVANIA.

OFFICE OF THE

SECRETARY OF THE COMMONWEALTH,
HARRISBURG.

cc [unclear]

The Act of April 22, 1874, provides that every Foreign Corporation doing business in Pennsylvania must "file in the office of the Secretary of the Commonwealth a statement, under the seal of said corporation and signed by the PRESIDENT or SECRETARY thereof, showing the title and object of said corporation, the location of its office or offices, and the name or names of its authorized agent or agents therein."

Whenever, therefore, either the name of the agent or the location of the office of such corporation is changed, or new agents added to those already acting for the corporation, a new statement, conforming to the law and the existing facts, should at once be filed.

If your company has changed either its agent or any of its agents, or the location of its office or any of its offices, or named an additional agent or agents, since the filing of its last statement a new statement should at once be filed, giving the names of all of such agents and the location of their respective offices. I herewith enclose the necessary blank for this purpose.

Yours very truly,

Robert McAfee

Secretary of the Commonwealth.

Not filled out in accordance with instructions received from Hoyt, Dustin
& Kelley, legal opinion No. 54, Subject File 714.

To the Secretary of the Commonwealth of Pennsylvania:

Sir :

In pursuance of the Act of Assembly of Pennsylvania, approved April 22, 1874, entitled "An Act to prohibit foreign corporations from doing business in Pennsylvania, without having known places of business and authorized agents."

I, *President or Secretary*
of
a Foreign Corporation or Company, do hereby certify:

That the title of said Corporation or Company is

(Must be full, correct corporate or company title.)

That it is incorporated or formed under the laws of the state of
....., *with the principal office at*

The object of said corporation or Company is

The office of said Corporation or Company in the Commonwealth of Pennsylvania, has been established at No. *Street,*

in the county of *in said Commonwealth.*

The name of its duly authorized agent to transact its business at said office is
(Write name plainly.)

In testimony whereof, I have hereunto set my hand and caused the seal of said company to be affixed, this *day of*

CORPORATE SEAL.

..... *A. D. 190*

..... *President or Secretary.*

The fee for filing this statement is \$10.75.

All remittances for fees must be made in cash, money order, certified check or draft.

AN ACT

To prohibit foreign corporations from doing business in Pennsylvania, without having known places of business and authorized agents.

Section 1. *Be it enacted, &c.*, That from and after the passage of this act, no foreign corporation shall do any business in this Commonwealth, until said corporation shall have established an office or offices, and appointed an agent or agents for the transaction of its business therein.

Section 2. It shall not be lawful for any such corporation to do any business in this Commonwealth, until it shall have filed in the office of the Secretary of the Commonwealth a statement, under the seal of said corporation, and signed by the President or Secretary thereof, showing the title and object of said corporation, the location of its office or offices, and the name or names of its authorized agent or agents therein; and the certificate of the Secretary of the Commonwealth, under the seal of the Commonwealth, of the filing of such statement, shall be preserved for public inspection by each of said agents in each and every of said offices.

Section 3. Any person or persons, agent, officer or employe of any such foreign corporation, who shall transact any business within this Commonwealth for any such foreign corporation, without the provisions of this act being complied with, shall be guilty of a misdemeanor, and upon conviction thereof shall be punished by imprisonment not exceeding thirty days, and by fine not exceeding one thousand dollars, or either, at the discretion of the court trying the same.

Approved—22 April, 1874.

C-C 160

190
 (Name of Corporation or Company.)

 STATEMENT OF
 Location of Office.
 Filed in the office of the Secretary of the
 Commonwealth, on the
 day of A. D. 190

 Deputy Secretary of the Commonwealth.
 Recorded in Foreign Corporation Book
 Vol. Page

Carnegie Institution of Washington

DEPARTMENT
OF
ECONOMICS AND SOCIOLOGY

PLEASE SEND REPLY TO
WILLIAM H. TOLMAN
287 FOURTH AVENUE
NEW YORK

INDUSTRIAL BETTERMENT SCHEDULE

A—ADMINISTRATIVE

- 1 Name of corporation *Pioneer Iron Co. - Marquette-Mich*
- 2 Where located
- 3 Date of organization
- 4 Nature of business *Mfgs of pig iron, wood alcohol, Acetate of Lime, Formaldehyde*
- 5 How many employes: *400* ; Male under 18 *None* ; Male over 18 *399* ;
Female under 18 *None* ; Female over 18 *one*
- 6 Rules governing appointment and promotion of employes *None*
- 7 Stability of employment; that is, number of employes with you under *5 years
; *between 5 and 10 years ; between *10 and 15 years ;
*over 15 years *Plant has been in operation but 1/2 years*
- 8 How many are members of trade unions *None*
Are you willing to confer with the officials of the unions
If so, are the relations friendly
- 9 Have you a Social Secretary; that is, a paid official who is a point of
contact between you and the employes *No.*
- 10 Open or closed shop *Open* Hours of labor per week *70 hrs*

B—HYGIENIC

- 1 Do you provide filtered water *No* Any other system of pure water
How is the water obtained in the factory: From covered receptacles
From the pipe direct *yes*
- 2 Number of baths:* Spray *None* ; tub *None* May baths be taken on the
company's time How much time is given each week
Is there any open-air swimming pool *None* Are the baths well
patronized
- 3 Have you a hospital *No.* Trained nurse *No.*
- 4 Have you a rest-room for use at the noon hour and in case of sickness
- 5 Is food supplied at cost *No.* Free *No.* Moderate profit *No.* Do
you furnish the kitchen, cook and equipment
- 6 Approximate annual cost of this service
- 7 What would be the rental charge for the space if not used as above
- 8 Is the dining-room generally used
[Please send specimen bills of fare with prices.]
- 9 Have you a system of ventilation with exhaust and forced drafts of pure
air *No.*

*Approximate

- 10 Have you a system of removing dust from polishing wheels *No.* Noxious vapors and gases *No.* Whose make
- 11 Any other devices for safeguarding life and limbs *No.* Is there unwillingness or indifference on the part of the employes to use the safety devices
- 12 Resident physician *yes* How many *one*
 Emergency medicine closets *No.* First Aid to the injured classes
 Total membership Individual lockers
- 13 Vacations *Office free* *Others no* How long *no specification* With or without wages *with* Have you a holiday house in the country, or at the seashore, where your employes may spend their holiday *No.* Free
 Nominal cost Period of outing
- 14 Saturday half holiday *Office free June 1 to Oct 1*
- 15 Do you give annual outings *No.* What part of the cost do you pay
 Any other than legal holidays *No.* How many When
- 16 One industrialist has what he calls the Park Carriage, for giving the convalescent girls and women an outing in the parks. Have you anything like this *No.*
- 17 Any movement for lessening intoxication *No.* What
 Has intemperance an important effect in hindering or lessening the industrial efficiency of your workmen *none whatever* What is the amount of "broken time;" that is, time lost, caused on the average by drink in a very busy season *none* The average weekly loss of wages resulting from such "broken time" *none* (If figures can be given for a definite period, say a month, it will be of great value.)

Note: The loss of time through drink would include time lost by others prevented from working by the intemperate habit of their fellows.

no assurance can be obtained that any of the employes lose time through drunkenness if a man loses time he tells his foreman he has been sick and as no person who is intoxicated is allowed around the plant we have no means of knowing whether he was drunk

C - RELIEF AND INSURANCE

- 1 How many hospitals *none* Convalescent homes *none* Dispensaries *none* *or not*
- 2 Have you your own medical service *our doctor*
- 3 Pensions *none* Date of organization Compulsory
 Voluntary
- 4 What form of insurance: Sickness *yes* Accident *yes* Life
- 5 Mutual benefit society Name and address of secretary
- 6 Fraternal societies Name and address of secretary of each
- 7 What old line accident or industrial insurance *none* Any other form of insurance *no.*

W. G. Curtis Secy Northern Accident Co. Detroit Mich
F. S. Newey " National Casualty Co. " "

D-THRIFT

- 1 Are there any mutual benefit associations for objects other than relief *No*
What *No* Any system of profit sharing *No*. Do you receive money deposited by your employees
Do you pay interest on it *No*. What rate
- 2 How many company co-operative stores *None*
- 3 Have you a penny provident bank for the children of employees *No*.

E-IMPROVED HOUSING

- 1 Do you help your employes to home ownership *No*. (a) Advance of loans by the company. (b) Building and loan associations.
- 2 How many of your workmen own their homes *7* To what extent do you rent homes to your people *30 houses @ 7.00 per month*
- 3 Are the rentals to them lower than the current rents in your community *yes*.
- 4 Is there any club house where your employes reside *No*. Number of residents
- 5 Have you a "model house;" that is, a house containing a kitchen, bedroom, dining-room, and bathrooms, furnished with the essentials, and price of each, so that prospective home makers may know what to buy and the cost *No*
- 6 Do you help your employes to make their yards and houses attractive with vines and flowers *No*.
- 7 Do you offer cash prizes for best results *No* How much
For what

F-EDUCATIONAL

- 1 Apprentice system *No*. Do you offer technical training *No*. Cooking classes *No* Dressmaking classes *No*
- 2 Library *No* Number of volumes *None* How well patronized
What clubs *None* How many lecture courses *None*
Choral or other musical instruction *No* Reading-room *No*.
Any other educational opportunities *No*.
- 3 Do you send your employes on educational trips *No*.

G-RECREATIONAL

- 1 What physical training *None* Athletic grounds *No*. Annual field days *No*.
What athletic societies *None*
- 2 Choral societies *None* Open air or other theatre *None* Dramatic Clubs *None*
- 3 Do you ever place your private grounds at the disposal of your employes for outings or picnics; if so, under what conditions *None*

H—GENERAL

- 1 Any regular publication as a point of contract between the firm and the rank and file (Please send specimen copy.)
- 2 Any other method of keeping the people informed on matters of interest to the factory as a whole
- 3 Do you have suggestion boxes in which may be placed suggestions for any kind of improvement, or complaints *No.* Do you offer cash prizes for suggestions that can be used in the business *No.* How much How given
- 4 Have you any collective agreement with your employes If so, in what trades
- 5 Has your firm given the community a School, Library, Town Hall, Park, Playground, Church, Memorial Hall, Fountain or other gift *No.*
- 6 Have you set aside any land for small gardens for the men or boys *Yes*
If so, are the gardens restricted to those in your own employ, or their families *Yes.* Free nominal rental *Rental included in house-rents* Do you offer prizes for the best results *No.* Money, badges or diplomas *No.* Flower or agricultural shows *No.*
- 7 Any club house or industrial settlement; that is, a social centre *No.*
Self-supporting Self-governing Departments of work
Number of paid workers Volunteer
- 8 Does your factory enter into the life of the community, by means of entertainments, poster shows or concerts given there, to which the townspeople are invited *No.* How
- 9 Fire company of your own *Yes* How many *See* Membership in each *20*
Have the members any special privileges *No.* Pay for overtime in drilling *No.* Vacation with pay *No.* Is the chief an experienced fire-fighter *No.*
- 10 Any other efforts for industrial betterment not specified above *No.*

DOES YOUR INDUSTRIAL BETTERMENT WORK PAY YOU FINANCIALLY

WHAT AND WHEN WAS THE FIRST KIND OF THIS WORK YOU INTRODUCED

WILL YOU PLEASE SEND ANY PHOTOGRAPHS THAT ILLUSTRATE YOUR WORK AND ANY PUBLISHED INFORMATION

Carnegie Institution of Washington

DEPARTMENT OF ECONOMICS AND SOCIOLOGY

PLEASE SEND REPLY TO WILLIAM H. TOLMAN 287 FOURTH AVENUE NEW YORK

INDUSTRIAL BETTERMENT SCHEDULE

A-ADMINISTRATIVE

Marquette and Southeastern Ry Co

- 1 Name of corporation Lake Superior and Ishpeming Ry - Marquette Ry - and - Michigan
2 Where located Michigan
3 Date of organization
4 Nature of business Railroad
5 How many employees: 304 ; Male under 18 3 ; Male over 18 299 ; Female under 18 0 ; Female over 18 2
6 Rules governing appointment and promotion of employees
7 Stability of employment; that is, number of employes with you under *5 years 185 ; *between 5 and 10 years 119 ; between *10 and 15 years none ; *over 15 years none
8 How many are members of trade unions
Are you willing to confer with the officials of the unions yes.
If so, are the relations friendly yes
9 Have you a Social Secretary; that is, a paid official who is a point of contact between you and the employes no.
10 Open or closed shop open Hours of labor per week 60

B-HYGIENIC

- 1 Do you provide filtered water no. Any other system of pure water
How is the water obtained in the factory: From covered receptacles
From the pipe direct Pipe
2 Number of baths:* Spray none ; tub
May baths be taken on the company's time
How much time is given each week
Is there any open-air swimming pool
Are the baths well patronized
3 Have you a hospital no Trained nurse no
4 Have you a rest-room for use at the noon hour and in case of sickness no.
5 Is food supplied at cost Free Moderate profit Do you furnish the kitchen, cook and equipment
6 Approximate annual cost of this service
7 What would be the rental charge for the space if not used as above
8 Is the dining-room generally used

[Please send specimen bills of fare with prices.]

- 9 Have you a system of ventilation with exhaust and forced drafts of pure air no.

*Approximate

- 10 Have you a system of removing dust from polishing wheels *No.* Noxious vapors and gases Whose make
- 11 Any other devices for safeguarding life and limbs Is there unwillingness or indifference on the part of the employes to use the safety devices
- 12 Resident physician *3 Division Surgeons* How many
Emergency medicine closets *No.* First Aid to the injured classes *No.*
Total membership Individual lockers
- 13 Vacations *No* How long With or without wages Have you a holiday house in the country, or at the seashore, where your employes may spend their holiday Free
Nominal cost Period of outing
- 14 Saturday half holiday *No*
- 15 Do you give annual outings *No.* What part of the cost do you pay
Any other than legal holidays How many When
- 16 One industrialist has what he calls the Park Carriage, for giving the convalescent girls and women an outing in the parks. Have you anything like this *No.*
- 17 Any movement for lessening intoxication What *30 days Suspension*
Has intemperance an important effect in hindering or lessening the industrial efficiency of your workmen *yes* What is the amount of "broken time;" that is, time lost, caused on the average by drink in a very busy season *50 days* The average weekly loss of wages resulting from such "broken time" (If figures can be given for a definite period, say a month, it will be of great value.)

Note: The loss of time through drink would include time lost by others prevented from working by the intemperate habit of their fellows.

C—RELIEF AND INSURANCE

- 1 How many hospitals *None* Convalescent homes Dispensaries
- 2 Have you your own medical service *No.*
- 3 Pensions *No.* Date of organization Compulsory
Voluntary
- 4 What form of insurance: Sickness *No* Accident Life
- 5 Mutual benefit society *No.* Name and address of secretary
- 6 Fraternal societies *No.* Name and address of secretary of each
- 7 What old line accident or industrial insurance Any other form of insurance

D—THRIFT

- 1 Are there any mutual benefit associations for objects other than relief
What *No.* Any system of profit sharing *No.* Do you receive money deposited by your employees
Do you pay interest on it *No.* What rate
- 2 How many company co-operative stores *none*
- 3 Have you a penny provident bank for the children of employees

E—IMPROVED HOUSING

- 1 Do you help your employees to home ownership *No.* (a) Advance of loans by the company. (b) Building and loan associations.
- 2 How many of your workmen own their homes *50* To what extent do you rent homes to your people *None*
- 3 Are the rentals to them lower than the current rents in your community
- 4 Is there any club house where your employees reside *No.* Number of residents
- 5 Have you a "model house;" that is, a house containing a kitchen, bedroom, dining-room, and bathrooms, furnished with the essentials, and price of each, so that prospective home makers may know what to buy and the cost *No.*
- 6 Do you help your employees to make their yards and houses attractive with vines and flowers *No.*
- 7 Do you offer cash prizes for best results How much
For what

F—EDUCATIONAL

- 1 Apprentice system Do you offer technical training Cooking classes Dressmaking classes
- 2 Library *No.* Number of volumes How well patronized
What clubs How many lecture courses
Choral or other musical instruction Reading-room
Any other educational opportunities
- 3 Do you send your employees on educational trips *No.*

G—RECREATIONAL

- 1 What physical training *No.* Athletic grounds Annual field days
What athletic societies
- 2 Choral societies Open air or other theatre Dramatic Clubs
- 3 Do you ever place your private grounds at the disposal of your employees for outings or picnics; if so, under what conditions *No.*