

\$14.464 per ton on yard at furnace. Adding to this--

DEPRECIATION--

Construction Acct., New Kilns,	\$9241.00	\$0.685
Improvement Acct., New Boilers, Jackets, Water Supply, &c.,	5956.25	1441
Furnace Inventory Acct.,	334.03	.025
		<u>1.151</u>
Loading and Switching Acct.,	3102.65	.229
		<u>\$1.380</u>

Makes a total cost, 13488 tons, of \$15.844 per ton.

Included in this cost is the Relinings and Renewals Account, which is \$0.334 per ton of iron made, which is .134 more than we should usually charge to this account. The furnace was in blast from Jan. 21, 1902, to Nov. 30, 1902, 313 days, and during this time was stopped 34 days, making the actual time running 279 days, with an average production of 48-6/10 tons for each day running.

I attach hereto a statement of cost, having separated and analyzed the general accounts, and showing the cost of various items per ton.

There has been added to the plant during the year twenty-four 90-cord charcoal kilns, with the necessary trestle for unloading the wood from, at a cost, for

Twenty-four Kilns,	\$21655.50 = \$902.31 each
Grading to and Trestle,	4804.93 = 9.03 per foot
Total,	<u>\$26460.43</u>

By agreement with Mr. Schaffer, contractor, these kilns are to pay a rental of one-quarter cent per bushel on the charcoal produced, or a minimum of \$12.50 per kiln per month, making a rental of at least \$300.00 per month for rental and depreciation.

It is expected that these kilns will produce at least 115000 bushels of charcoal per month, and the old kilns about 30000 bushels per month. It may be possible to produce from all the kilns from 150000 to 160000 bushels per month, which would be enough to

produce from 1650 to 1750 tons of iron per month.

The furnace and charcoal plant, with the additions and renewals which have been made from time to time, are now in good condition, with the exception of the No. 1, or old, hotblast. This I do not think worth repairing again, and think we should build a new one soon.

Yours truly,

Josh W. Gray
Manager.

SUMMARY OF COST OF MAKING 13576 TONS OF "EXCELSIOR" PIG IRON FOR FISCAL YEAR ENDING NOV. 30, 1902, LESS 88 TONS SHORTAGE AT LAKE ERIE PORTS, MAKING 13488 TONS NET.

GENERAL EXPENSE:

Insurance, Fire, Liability and Boiler.			.028	\$ 385.00
---	--	--	------	-----------

Taxes,			.037	496.22
--------	--	--	------	--------

Analysis, Salary of Chemist,	800.00	.059	.072	967.69
Supplies,	97.57	.007		
Depreciation,	70.12	.005		

Office, Salaries,	3382.50	.251	.298	4019.46
Telephones,	94.00	.007		
Stationery,	71.85	.005		
Postage,	29.82	.002		
Telegrams,	37.94	.003		
Use of Horse,	277.85	.021		
Traveling Expenses,	56.50	.004		
Hospital and Medical expenses for man injured by fire,	69.00	.005		

T o t a l,			.435	\$5868.37
------------	--	--	------	-----------

MAINTENANCE.

Buildings--			.046	\$ 621.65
General Repairs,				
Pay Roll,	469.06	.035		
Materials,	352.59	.026		
	<u>821.65</u>	<u>.061</u>		
Less insurance received for damage caused by fire March 5, 1902,	200.00	.015		
	<u>621.65</u>	<u>.046</u>		

Machinery--			.078	1053.47
Materials for general repairs,				

Tuyeres--			.008	109.74
For new tuyeres.				

Relinings and Renewals--			.334	4503.75
--------------------------	--	--	------	---------

Water Supply--			.011	145.28
Materials for repairs, etc.				

			.477	\$6433.89
--	--	--	------	-----------

OPERATING.

Machinery--			.153	\$ 2062.36
Pay Roll,	1794.10	.133		
Materials for repairs and oils,	<u>268.26</u>	<u>.020</u>		
Electric and Other Light,			.022	300.84
Bottom Fillers,	Pay Roll,		.295	3984.25
Top Fillers,	" "		.090	1208.31
Handling Iron,	" "		.150	2035.65
Handling Cinder,	" "		.074	1001.72
Weighing and Grading Iron,	" "		.560	751.87
Founders, Keepers and Helpers,	" "		.389	5239.36
Coal Forkers,	" "		.076	1026.45
General Labor,	1889.26			
Less cash received from Pioneer Iron Co. for cin- der and loading same,	<u>50.00</u>			
	<u>1839.26</u>		.136	1839.26
Blacksmith, coal bought,			.002	21.30
Castings Tools, tools and materials bought,			.015	201.64
Sand and Clay, clay bought,			.007	96.09
Barn Expense,			.014	193.10
Fuel, used under boilers, etc.,			.038	514.26
Total Operating,			\$1.517	\$20476.46

S T O C K U S E D :

O r e s--

	Tons.	Price.	Per Ton.	Amount.
Lake	12155-1690	\$2.34	\$2.109	\$28433.49
Salisbury,	10651-1245	2.38	1.885	25423.53
Buffalo,	1720-0350	2.45	.313	4213.37
South Jackson,	36-0810	.41	.001	14.78
Bedford,	1483-2030	2.32	.247	3338.79
	<u>26047-1645</u>	<u>\$2.35</u>	<u>\$4.555</u>	<u>\$61423.96</u>

Yield of Ore, 52.12%

C h a r c o a l--

1234288 Bus., @.08¢, 7.322 98743.05

Bushels charcoal per ton of iron, 90.91

L i m e s t o n e--

1449-1305/2000 tons, @\$1.47 per ton, .158 2129.65

Lbs. limestone per ton of iron, 213.

Total Stock Used, \$12.035 \$162296.66

DEPRECIATION.

Construction (New Kilns), Amt. charged to cost of making iron for year 1902.		.685	\$9241.00
Improvement, Amt. charged to cost of making iron for year 1902.		.441	5956.25
Furnace Inventory,		.025	334.03
Office,	33-1/3%, 127.70	.009	
Yard,	50%, 136.21	.010	
Laboratory,	33-1/3%, 70.12	.006	
Total Depreciation,		1.151	\$15531.28

LOADING & SWITCHING.

Loading Iron on Cars,	.076	\$1032.85
Paint for marking iron,	.004	60.00
Switching to dock,	.092	1237.75
Switching to Lake Shore Engine Works,	.002	33.00
Loading Vessels,	.055	739.05
Total Loading and Switching,	.229	3102.65

Total iron shipped by rail,	8256 tons
Total iron shipped by vessel,	4927 "
	13183 "

R E C A P I T U L A T I O N .

General Expense,	.435	\$ 5868.37
Maintenance,	.477	6433.89
Operating,	1.517	20476.46
Stock Used,	12.035	162296.66
Depreciation,	1.151	15531.28
Loading and Switching,	.229	3102.65
Total cost,	15.844	213709.31

SUMMARY OF FURNACE REPORT.

26047-1645/2240 tons ore used.
52.12 % yield of ore.
1234288 Bus. charcoal used.
90.91 Bus. charcoal per ton of iron.
1449-1305/2000 tons limestone used.
213 lbs. limestone per ton of iron.
Total number of days in blast, 313
Stoppages, 34
Actually in blast, 279 days.
Tons made each day running, 48-6/10.

EXPENDITURES IN 1902 FOR RELININGS AND RENEWALS.

Buildings,		\$ 514.43
Pay Roll,	460.45	
Materials,	<u>53.98</u>	
Water Supply,		109.41
Pay Roll,	80.30	
Materials,	<u>29.11</u>	
Electric and Other Light,		1.15
Blacksmith,		3.00
Barn Expense,		22.47
Tracks and Trestles,		5.25
Machinery,		10.00
General,		326.37
Pay Roll,	205.80	
Materials,	<u>120.57</u>	
		992.08
Less clay sold,		<u>67.54</u>
		\$924.54

EXPENDITURES FOR IMPROVEMENT ACCOUNT IN 1902.

Boilers and Connections,		\$1611.75
Pay Roll,	562.71	
Materials,	<u>1049.04</u>	
Buildings,		66.10
Materials,	99.88	
Less corrugated iron returned,	<u>33.78</u>	
Water Supply,		83.17
Materials,		
Machinery,		5.30
Water Jackets,	300.19	
Less scrap sold,	<u>42.97</u>	
		257.22
		2023.54
Less labor performed for Stirling Co. and T. A. McCall & Co.,		31.80
Less two old boilers sold		80.00
Less old marine boiler and other scrap sold,		<u>75.00</u>
		186.80
		\$1836.74

Pioneer Iron Co

- 1 Report on W. W. Gray, Mgr.
- 2 Cash & Bank Pig Iron Cost Sheet
- 3 " " " " Stock Report, Week Nov. 30, 02
- 4 Weekly Stock Report, Nov. 30, 02
- 5 Inventory " " " "

PIONEER IRON COMPANY.

CARP RIVER FURNACE DEPARTMENT *Jan 30 1901 to Nov 30 1902*
 Month of _____ 190__

Pig Iron Cost Sheet.

Number of Blast Tons made this Blast	Tons Produced 1 month <i>1339</i> Tons Produced 12 months <i>13278</i>			
	LABOR	SUPPLIES	TOTAL	COST PER TON 1 month 12 months
GENERAL EXPENSE				
Insurance			385 00	029
Taxes			1196 72	091
Analysis			967 69	073
Salaries and other Expenses			14019 46	1054
Total			15569 87	1177
MAINTENANCE				
Tracks and Yard				
Trestles and Dock				
Buildings			621 65	046
Machinery			1053 47	078
Tuyeres			109 74	008
Relinings and Renewals			1150 75	087
Water Supply			145 28	011
Total			1881 89	142
OPERATING				
Machinery			906 73	068
Electric and other Light			300 84	023
Bottom Fillers			3980 25	299
Top Fillers			1208 31	090
Handling Iron			2035 65	153
Handling Cinder			1001 74	076
Weighing and Grading Iron			757 87	058
Blacksmith			21 30	002
Founders, Keepers and Helpers			54 39 36	041
Carpenter				
Coal Forkers			1026 45	077
General Labor			1839 46	139
Casting Tools			301 60	023
Sand and Clay			96 09	007
Barn Expense			1	000
Fuel			514 46	039
<i>Saint Meel</i>			4500	003
Total			14052 146	1070
STOCK USED				
Ore			6114 96	456
Charcoal			925 71	070
Limestone			712 65	054
Total			7753 32	080
Cost of Production.				
			15894 89	1207
DEPRECIATION				
Construction Account			921 00	069
Improvement Account			595 75	045
			330 03	025
Total			1846 78	141
Total Cost on Yard.				
			17048 07	1308
LOADING AND SWITCHING				
Rail Shipments,				
Loading Cars,	tons			
.....	tons			
Total Expense Account of Rail Shipments				
Lake Shipments,				
Loading Cars,	tons			
Switching "	"			
Loading Vessels,	"			
Total Expense Account of Lake Shipments				
Total Loading and Switching				
			305 65	230
Grand Total 1 month				
			17075 72	1329
Construction Acc't not sunk off				
Improvement Acc't not sunk off				

Summary of Cost per Ton.

	On Yard	On Cars	On Vessel
Cost on yard, as above			
Cost to load, as above			
Total			
Commissions and Expenses, Cleveland Office			
Total Cost			

Stock Used.					Yield.	
Ore	Tons	Price	Amount	Cost per Ton	Per cent of Ore used	
						Average yield of Ore
						Bush. Coal per Ton
						Lbs. Flux per Ton
						1 month 12 months
Total						
Limestone						Cost per Ton for Labor, 1 month
Charcoal	Bus					" " " " 12 months

IONEER IRON CO.

Carp River Furnace Department.

PIG IRON COST SHEET.

Jan 1902
th of 190

PIONEER IRON COMPANY.

CARP RIVER FURNACE DEPARTMENT.

PIG IRON STOCK REPORT FOR THE WEEK ENDING

November 7 190*7*

PIG IRON GRADES.	Total For Week.	Previous For Month.	Total For Month.	Over and 500	Total from Dec. 1, 1901	Transfers.	In Stock Dec. 1, 1901	Total.	Shipped since Dec. 1, 1901	Balance On Hand.
A Scotch,					338			338	✓	338
B Scotch,					59			59	✓	59
No. 1 Soft,					184	15		199	✓	199
No. 1 Special,					336	9		347	✓	317
No. 1 Foundry,	71	14	87	3	1000	6		994	✓	908
No. 2 Low,	95	220	315		2135			2135	✓	2053
No. 2 High,	28	27	55	1	1555	25		1580	✓	1560
No. 3 Low,			277		2359	34		2355	✓	2323
No. 3 H	48	487	330	5	2508	9		2517	✓	2469
No. 3 Malleable,					75			75	✓	75
No. 4 Low,	11	113	124		1433			1433	✓	1185
No. 4 High,	4	84	86		1216			1216	✓	1203
No. 4 Malleable.										
No. 5		61	61		507			507	✓	507
No. 6					376			376	✓	367
Bessemer,										
Bessemer,										
Bessemer,										
TOTAL,	257	1074	1331	9	13576			13576	✓	13183
										✓ 393

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Pioneer Iron Company,

Carp River Furnace Department.

—
PIG IRON STOCK REPORT.

For the week ending Nov 30/02

PIONEER IRON COMPANY.

CARP RIVER FURNACE DEPARTMENT.

PIG IRON STOCK REPORT FOR THE WEEK ENDING

Nov 30

190*7*

PIG IRON GRADES.	Total For Week.	Previous For Month.	Total For Month.	Over and Short.	Total from Dec. 1, 1901	Transfers.	In Stock Dec. 1, 1901	Total.	Shipped since Dec. 1, 1901	Balance On Hand.
A Scotch,					33			33		<i>Inventory</i>
B Scotch,				1	59			59	39	
No. 1 Soft,					184	15		199	199	
No. 1 Special,				4	336	9		345	317	10
No. 1 Foundry,	71	17	83	3	1000	6		994	908	86
No. 2 Low,	95	240	315		2135			2135	2053	82
No. 2 High,	28	27	55	1	1555	25		1580	1560	20
No. 3 Low,		277	277		2359			2355	2328	27
No. 3 High,	48	282	330	5	2508	9		2517	2469	48
No. 3 Malleable,					75			75		75
No. 4 Low,	11	112	123		1233			1233	1185	48
No. 4 High,	4	84	86		1716			1716	1703	13
No. 4 Malleable,										
No. 5		61	61		507			507	507	
No. 6					376			376	367	9
Bessemer,										
<i>Total Bessemer</i>	257	1074	1330	14	13576			13576	13183	393
<i>Bessemer</i>	257	1074	1344		13576			13576	13187	389
<i>Shasta Lake Eric</i>			88		88				88	
TOTAL.	257	1074	1356		13664			13664	13195	393

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Inventory Sheet
Pioneer Iron Company,

Carp River Furnace Department.

—
PIG IRON STOCK REPORT.

For the week ending *Nov 30/02*

PIONEER IRON COMPANY.—CARP RIVER FURNACE DEPARTMENT.

See Inventory Sheet, attached

Stock Report for the Week Ending

Nov 30

190*2*

	Total for Week.	Previous for Month.	Total for Month.	Total from Dec. 1st, <i>1901</i> .	In Stock Dec. 1st, <i>1901</i> .	TOTAL.	Shipped or Used since Dec. 1st, <i>1901</i> .	Balance on Hand.
Ore.								
Lake Ore,	<i>649-0190</i>	<i>1152-0070</i>	<i>1801-0260</i>	<i>12649-1890</i>	<i>207-1416</i>	<i>12857-1566</i>	<i>12155-1690</i>	<i>701-2116</i>
Lake <i>Silica</i>				<i>365-0900</i>		<i>365-0900</i>		<i>365-0900</i>
Lake Bessemer "								
Salisbury "								
Salisbury "		<i>550-1850</i>	<i>550-1850</i>	<i>10446-2110</i>	<i>224-0870</i>	<i>10671-0740</i>	<i>10651-1245</i>	<i>19-1735</i>
Foster "								
Cliffs Shaft "								
<i>Bedford</i>				<i>1489-2030</i>		<i>1489-2030</i>	<i>1489-2030</i>	
<i>Jackson</i>				<i>26-1140</i>	<i>9-1910</i>	<i>36-0810</i>	<i>36-0810</i>	
<i>Buffalo</i>				<i>1720-0350</i>		<i>1720-0350</i>	<i>1720-0350</i>	
Total,	<i>649-0190</i>	<i>1702-1920</i>	<i>2351-2110</i>	<i>16649-1700</i>	<i>444-0216</i>	<i>27134-1916</i>	<i>26047-1645</i>	<i>1087-0271</i>
Charcoal Bushels,	<i>23417</i>	<i>98155</i>	<i>121572</i>	<i>1234288</i>		<i>1234288</i>	<i>1234288</i>	
Limestone Tons,	<i>238-0060</i>	<i>187-1170</i>	<i>425-1230</i>	<i>1721-0005</i>	<i>73-0750</i>	<i>1794-0755</i>	<i>1449-1305</i>	<i>344-1450</i>

THE
Pioneer Iron Company.

CARP RIVER FURNACE.

STOCK REPORT FOR WEEK ENDING

.....190.....

PIONEER IRON COMPANY.—CARP RIVER FURNACE DEPARTMENT.

(Inventory Sheet)

Stock Report for the Week Ending

Nov 30

1907

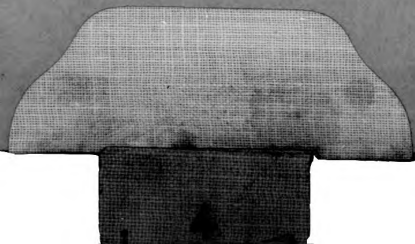
	Total for Week.	Previous for Month.	Total for Month.	Total from Dec. 1st, 1907.	In Stock Dec. 1st, 1907.	TOTAL.	Shipped or Used since Dec. 1st, 1907.	Balance on Hand.
Ore.								
Lake Ore, <i>Quarry on Inventory</i>			<i>94-1034</i>	<i>12744-0684</i>	<i>207-1916</i>	<i>12454-0860</i>	<i>12155-1690</i>	<i>796-0910</i>
Lake <i>Silica</i>				<i>365-0900</i>		<i>365-0900</i>		<i>365-0900</i>
Lake Bessemer "								
Salisbury "								
Salisbury "				<i>10446-2110</i>	<i>24-0870</i>	<i>10671-0740</i>	<i>10651-1245</i>	<i>19-1735</i>
Foster "								
Cliffs Shaft "								
<i>Bedford</i>				<i>1489-2030</i>		<i>1489-2030</i>	<i>1489-2030</i>	
<i>Jackson</i>				<i>26-1140</i>	<i>9-1910</i>	<i>36-0810</i>	<i>36-0810</i>	
<i>Buffalo</i>				<i>1720-0350</i>		<i>1720-0350</i>	<i>1720-0350</i>	
Total.			<i>94-1034</i>	<i>26787-0494</i>	<i>444-0216</i>	<i>27224-0710</i>	<i>26047-1645</i>	<i>1181-1305</i>
Charcoal Bushels.	<i>23417</i>	<i>98158</i>	<i>121572</i>	<i>1234288</i>		<i>1234288</i>	<i>1234288</i>	
Limestone Tons.	<i>238-0060</i>	<i>187-1170</i>	<i>425-1230</i>	<i>1721-0005</i>	<i>73-0750</i>	<i>1794-0755</i>	<i>1449-1305</i>	<i>345-1450</i>

THE
Pioneer Iron Company.

CARP RIVER FURNACE.

STOCK REPORT FOR WEEK ENDING

Nov 30 190*2*



I N V E N T O R Y.

CARP RIVER FURNACE DEPARTMENT.

PIONEER IRON COMPANY.

NOV. 30, 1902.

NOAH W. GRAY, Manager.

I N D E X.

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Fuel,	8
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Supplies Acc't,	8
Furnace Inventory Account--	
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Yard,	9
Laboratory,	10, 11, 12

DESCRIPTION OF REAL ESTATE BOUGHT OF CARP RIVER FURNACE COMPANY:

Commencing at the intersection of the easterly line of Lake street, so-called, in the City of Marquette, County of Marquette and State of Michigan, as now used, with the section line between Sections 26 and 35, Township 48 North, Range 25 West, running thence northwesterly along the easterly line of said Lake street to its intersection with the westerly line of the right-of-way of the Duluth, South Shore & Atlantic Railway Company; thence southeasterly along the westerly line of said right-of-way to its intersection with the section line between said above named sections 26 and 35; thence west along said section line to the point of beginning.

Also, that portion of Government Lot numbered one (1) of Section 36, Township 48 North, Range 25 West, not sold to the State of Michigan for a portion of the State Prison site.

Also, Lots ~~eighty~~four (84), eighty-five (85) and eighty-six (86), of Burt & Ely's Addition to the Village (now City) of Marquette; and that part of Sec. 35, Township 48 North, Range 25 West, lying east of Lake street, as shown in the plat of Burt & Ely's Addition to the Village of Marquette, as now used; and also that part of Sec. 35, Township 48 North, Range 25 West, lying south and east of the following boundary line: Beginning at the southeast corner of Lot eighty-seven (87) of Burt & Ely's Addition to the said City of Marquette; thence along the south line of said Lot eighty-seven (87) to the southwest corner of said Lot 87; thence south 2 degrees and 58 minutes east 100 feet; thence south 13 degrees and 58 minutes east 100 feet; thence south 26 degrees and 28 minutes east 100 feet; thence south 43 degrees and 58 minutes east 100 feet; thence south 49 degrees and 28 minutes east 100 feet; thence south 30 degrees and 59 minutes east 100 feet; thence south 11 degrees and 49 minutes east 100 feet;

thence south 5 degrees and 11 minutes west 100 feet; thence south 13 degrees and 51 minutes west 425 feet; thence south 5 degrees and 9 minutes east 432 and five-tenths feet; thence south 13 degrees and 11 minutes west 1100 feet; thence south 57 degrees and 31 minutes west 2080 feet to a point 358 east of the northwest corner and on the north line of the south half of the southeast quarter of Section 35, Township 48 North, Range 25 West. It being agreed between the said parties that Lot eighty-seven (87) of Burt & Ely's Addition to the Village (now City) of Marquette is to be kept open as a highway for the common use of the grantor and ~~grantee~~ grantee, and their successors and assigns.

DESCRIPTION OF FURNACE AND BUILDINGS:

STACK: 58 $\frac{1}{2}$ feet high by 10-foot bosh; hearth 5' 9". The stone stack has been repaired at top for from 8 to 10 feet down, and cement put in to fill the whole solid.

A new bell and hopper was found necessary on blowing out, and has been procured and placed in position.

The hoist tower is equipped with an Otis hoist, two skips, driven by small engine in engine room, which also drives crusher, when used.

ENGINE ROOM: The engine room is a stone building 65' x 30' and 25' high. The blowing engine is of horizontal type, with two blowing cylinders 40" x 6', made by Iron Bay Foundry at Marquette in 1873.

This engine has been thoroughly overhauled, and new balance wheel, shaft, and other repairs made to put it in good working order.

In basement of engine room there are two Smith & Vaile

pumps, 12" steam by 7" water cylinders, and one Knowles boiler pump, about 8" x 4".

I have added a new water supply for these pumps by running a new 8-inch supply pipe into the lake 700 feet to 16-inch depth of water; at the same time keeping the old supply of water from the well, in case of necessity.

THE NEW BOILER HOUSE is about 28' x 30' feet, in which has been placed two new Stirling water tube boilers, of 150 horse-power each, the old boilers being removed.

THE STOCK HOUSE is 190 feet long by 65 feet wide, built of timber, and covered with corrugated iron, the roof being tar and cement.

The trestles in the stock house have been thoroughly repaired, and the ore track, especially, being strengthened to hold up cars of increased capacity. The three tracks are now in good repair, and will not need further repairs for some years, probably.

In the basement is placed the Blake crusher, for crushing limestone, etc.

HOT BLASTS: No. 1 is built near the stack, on the hearth level, and has 25 large pipes. On account of its construction, this hotblast has never been a success, the pipes not heating evenly, and making an unequal contraction and expansion, finally cracking one or more of the pipes. After repairs this hotblast would usually run about four months, when it would again need repairs.

No. 2 Hotblast is built on an arch supported by the engine room wall and the stone stack, and has 18 pipes, now in good condition.

CASTING HOUSE: This is 62 by 44 feet, and has tone foun-

dation and timber frame, covered by corrugated iron. At lower end is a shed 12 feet wide, in which are the pig iron scales, and in the rear of this a blacksmith and carpenter shop, 16 feet wide.

STORE HOUSE. An old building, 24 x 16 feet, about 50 feet from carpenter shop, used for storing tools, &c.

BARN. 20 x 28 feet, a building on west side of Lake street, near outlet to Carp river.

KILNS.

Ten 25-cord bee-hive kilns, on north side of Carp river, under bank, from which they are filled. Also, nine 45-cord bee-hive kilns, on south side of Carp river.

These kilns are built of stone and brick, and are used by Chas. H. Schaffer, under his contract with the company.

There have been built during the year twenty-four 90-cord kilns, of brick, with stone foundations, and the necessary trestle to fill the kilns from.

There has been expended to this time \$26460.43, and there is still some timber and material to pay for, for which the invoices have not been received.

These kilns are expected to burn about 80 cords each at each turn, and to turn from one and a quarter to one and a third times per month, burning from 2400 to 2600 cords, and to furnish about 115,000 bushels of charcoal per month. The old kilns will make about 35,000 bushels per month, making a supply of about 150,000 bushels per month.

Under the new arrangements Mr. Schaffer pays a rental for these 24 kilns of one-quarter cent per bushel, with a minimum of \$12.50 per kiln per month.

OFFICE BUILDING: A one-story wooden building, 30 ft. x 20 ft., built on Lot 86.

LABORATORY BUILDING: Attached to rear of office building--
18 x 20 ft.

HORSE SHED: On rear of Lot 86--12 ft. x 22 ft.

RAILROAD TRACKS: Consist of three sidings into stock
house, with switch stands, &c.

With the building of the Marquette & Southeastern Railraad
the other sidings have been changed, and new switches made to kilns
and iron yard.

TOOLS, &c., BOUGHT WITH FURNACE: These tools have been
added to from time to time, and charged to Operating Account,--
so that the furnace is well supplied with necessary tools:

In Engine Room--

- 2 steam gauges in use
- 3 lubricators in use
- 1 set pipe dies and taps
- About 25 Spanner and Socket wrenches
- About 15 chisels and punches
- 1 12" monkey wrench
- 1 16" Trimeau pipe wrench
- About 300 feet rubber hose, new and old
- 2 brass hose nozzles
- Varied lot of pipe fittings, in basement
- 2 pressure gauges
- 1 pipe cutter
- 2 die stocks
- 2 24" monkey wrenches
- 1 14" " "
- 1 set pipe tongs
- 2 lanterns
- 4 kerosene lamps

In Stock House--

- 1 set ore scales
- 20 charcoal buggies
- 1 set charcoal scales
- Shovels and picks
- 3 ore buggies
- 3 pinch bars

In Casting House--

- About 25 steel and iron bars and stopping hooks
- Gates, staples, skimmer, &c.
- 3 heavy sledges
- Shovels, rakes and screens, patterns and sow
- 2 stationery byrometers
- 1 portable "

In Blacksmith Shop--

In Blacksmith Shop--

- 1 anvil, forge and bellows
- 1 ratchet drill
- Tongs, punches and other common tools
- 1 machine drill press
- 1 blacksmith vise
- 1 set Lightning taps and dies
- 2 monkey wrenches
- 12 drills
- 1 blacksmith sledge

In Carpenter Shop--

- 2 handsaws
- 3 chisels
- 1 hand ax
- 1 jack plane
- 1 set 1-1/2" blocks
- About 200 feet 1-1/4" pipe, old
- 2 jack screws
- 1 crosscut saw
- 1 brace, and bits
- 1 square
- 1 grindstone
- 1 snatch block
- 2 log chains
- 1 crab winch

In Yard--

- 1 set scales for weighing pig iron
- 1 iron car
- Shovels and picks
- 1 cart harness
- 3 wheelbarrows
- 2 carts

In Old Store House--

- About 500 old fire brick

In Ore Yard--

- Half of set of railroad scales

INVENTORY OF ORES ON HAND NOV.30, 1902:

Lake Ore--

Bins 6 and 7--6 cars:

Car 383, 72650
 16 74450
 314 72200
 67 64050
 265 69850
 89 64000

417200#

Bins 8 and 9--9 cars:

Car 64)
 172)127250
 122 67000
 31 61600
 125 62050
 309 74350
 93)
 52)145500
 299 69850

607600

In Cars--

42 71850
 350 69050
 256 75050
 35 64950
 130 72600
 173 70200
 289 69950
 238 65900
 320 70050
 72 61050
 5 68500

759150

Total Lake,.....1783950#

Lake Ore,.....796-910 tons
 Salisbury,.....19-1735 "
 Lake Silica,.....365- 900 "
 Total,.....1181-1305 "

Showing 94 tons, 1034 pounds overrun on Lake ore for year, credited to Operating Nov. 30, 1902.

RECAPITULATION.

Lake (inventory)--		
796- 910 tons,	@\$2.40,	\$1912.69
Salisbury (inventory),		
19-1735 tons,	2.45,	48.44
Lake Silica (inventory),		
365- 900 tons	1.25,	456.74
Total,		\$2417.87

LIMESTONE:

On hand Nov. 30, 1902, 344-1450/2000 tons, cost		\$ 358.60
--	--	-----------

CHARCOAL:

None on hand.		
---------------	--	--

FUEL:

10 Cds. Slabs.		22.50
----------------	--	-------

INSURANCE:

Balance due on policies,		309.58
Fire insurance to Oct. 18, 1903,	254.10	
Casualty to July 10, 1903,	<u>55.48</u>	

PIG IRON:

On yard--393 tons, cost \$15.844		
----------------------------------	--	--

ACCOUNTS:

Pioneer Iron Co. (New Furnace),		271.00
26 M Brick,	221.00	
5 cars granulated cinder,	<u>50.00</u>	
T. A. McCall & Co.,		67.54
Fire clay sold them, and used at New Furnace.		
Marquette & Southeastern Railway Co.,		43.09
Pipe and fittings for bridge protection.		
Chemical Plant,		83.44
Expenses of A. O. Jopling, engineer, in surveying for water pipe, etc.		

SUPPLIES ACCOUNT:

On hand, Nov. 30, 1902,		206.66
1 belt for hoist,	18.50	
2 wire ropes for hoist,	24.66	
Paint for iron,	27.50	
16 M brick, @ \$8.50,	<u>136.00</u>	

FURNACE INVENTORY ACCOUNT:

Office--

1 Fire-proof safe	cost		\$ 50.00	
1 " " " "			20.00	
1 Desk			10.00	
1 Letter press and stand,	cost		10.00	
1 Standing desk,	"		5.00	
1 Revolving chair,	"		2.00	
2 Arm Chairs,	"		2.00	
3 Waste paper baskets,	"		1.50	
2 Cuspidors,	"		1.00	
1 Stove and pipe,	"		5.50	
1 Set letter scales,	"		3.00	
4 Bill boards,	"		1.00	
1 Door mat,	"		1.25	
2 Letter baskets,	"		1.00	
1 Canopy-top buggy and harness,	cost		50.00	
1 No. 7 Remington typewriter,	"		100.00	
1 Lap robe,	"		6.00	
1 Barn blanket,	"		2.25	
1 Street blanket,	"		4.75	
1 Halter,	"		1.75	
1 Heavy robe,	"		12.00	
1 Cutter,	"		48.00	
1 String bells,	"		3.00	
1 Harness,	"		18.67	
1 Buggy,	"		92.80	
1 Lawn mower,	"		9.50	
1 New radiator and fittings,	"		32.22	
			<u>494.19</u>	
Less depreciation,				
1900,	52.65			
1901,	<u>60.14</u>		<u>112.79</u>	
			<u>381.40</u>	
Less depreciation,				
Nov. 30, 1902, 33-1/3%,			<u>127.70</u>	\$ 253.70

Yard--

1 Chestnut horse,			150.00	
1 Bay driving horse,			187.50	
2 Oil tanks,			13.10	
Charcoal buggies,			<u>11.96</u>	
			<u>362.56</u>	
Less depreciation,				
1900,	30.00			
1901,	<u>60.14</u>		<u>90.14</u>	
			<u>272.42</u>	
Less depreciation,				
Nov. 30, 1902, 50%,			<u>136.21</u>	<u>136.21</u>
Carried forward,				\$ 389.91

Furnace Inventory (Cont'd).

Brought forward,

\$ 389.91

LABORATORY:

2 Prof. Richards filter pumps	2 62
1 Sargent Anal. balance	90.00
1 Baker scales	6 80
1 Set Gram weights	11 00
1/2 Doz. 1/2 liter reagent bottles	1 00
6 Camel brushes	90
5 Dangler gasoline burners	7 50
2 50cc Burette's common stop cocks, 1/10,	3 50
1 50cc " " " "	1 50
5 Val. floats, nipples,	1 87
4 Clamps	3 00
3 Swivel clamps	4 50
1/4 Dz. calcium tubes	34
" " 6" tubes, U	1 00
" " plain 6" "	1 80
1/2 " small clamps	55
1 Set cork borers, 1 to 6,	90
1 Plate and rubber	7 50
1 Prof. S. burette, blue lined,	1 32
1 Guissler's "	2 07
1/4 Dz. por. evaporating dishes	1 24
1 drying oven, copper,	7 50
2 Dessicators, 4-3/4",	1 20
1/2 Dz. flasks, 16 Oz.	1 20
1/2 " " 8 "	80
1 500cc flask	45
1 300cc "	38
1 100cc "	22
1 1000cc "	57
1 2000cc	75
1/2 Dz. funnels, 3" diameter,	68
1/4 " " 6" "	45
1/4 " " 2" "	22
1 separating funnel, 100cc,	94
1 " G. S.	75
1 " S.C.	75
1 " Syphon	1 73
2# glass tubing	75
1# glass rods	38
1 500cc graduated cylinder	90
1 250cc " "	60
3 Dz. castors,	1 80
1 " "	60
1 Lamp	4 00
1 Mortar, 3 gal.	6.00
1 " 1/2 pint	23
1 200cc pipette	75
1 50cc "	40
1 10cc	15
1 5cc	11
1 25cc	67
1 Platinum cone, diam. top 1 1/4 inches,	4 50
54 Grams platinum in crucibles	40 50
4 100-mesh sieves	4 00
1 Support	50
1 "	75
1 Thermometer, 200 degrees centigrade	1 27
1 Tripod, diam. 6 inches,	38
1 Wedgewood mortar, 6"	81
1 Agate " 4"	6 75
1 Diamond steel mortar	1 30
1 Hydrometer	75

(Laboratory Cont'd next page)

(10)

Forward,

\$389.91

	Brought forward,		\$ 389.91
Laboratory (Con'd)--			
1 Graduate, 500cc,		1 65	
2 7024 supports		1 00	
1 Magnet		68	
1 Weatherhead crusher		25 00	
Haskiss burners and tank		15 00	
1 Muffle		75	
$\frac{1}{2}$ Dz. crucibles		60	
$\frac{1}{2}$ " precipitating jars		3 00	
1 Syphon		1 00	
1 Gasoline blast lamp		10 00	
6 Dz. #2 beakers		9 72	
3 " #0 "		2 70	
3 Beaker brushes		78	
3 Burette brushes		1 35	
36 ft. 3/16 rubber tubing		2 70	
36 " 5/16 " "		4 05	
	Total Lab.	<u>327.43</u>	
Less depreciation--			
1900,	74.93		
1901,	<u>42.14</u>	<u>117.07</u>	
		<u>210.36</u>	
Less depreciation,			
Nov. 30, 1902, 33-1/3%,		<u>70.12</u>	
		<u>140.24</u>	
Less charged to Analysis			
when bought,		<u>30.78</u>	<u>109.46</u>
Total Furnace Inventory Acc't,			\$499.37

Total cost,	\$1184.18
Total depreciation,	<u>684.81</u>
	\$ 499.37

(Laboratory continued on next page.)

Laboratory (Cont'd)

REAGENTS ON HAND:

½# Microcosmic salt	40
½# Hydroflouric acid	1 00
1# Glacial acetic	40
7 Carboys	12 25
1 Case hydrochloric acid	2 70
2# Molybdic acid	3 60
½# Oxalic acid	20
100# Sulphuric acid	8 00
½# Tartaric acid	40
½# Amonium acetate	44
1# " carbonate	40
1# Chlorate	32
20# Amonium hydrate	2 20
1# " oxalate	15
1# Asbestos	80
½# Borium hydrate	15
½# " chloride	20
2# Double chloride, C & K	1 00
1 Oz. resublimed iodine	32
1# Amonium farrus sulphate	20
½# Bb fer oxide	40
½# Magnesium carb	40
1# " sulphate	20
1 Oz. glass wood	80
1# bichloride mercury	56
Standard drilling	2 50
1# Potasium bichloride	24
½# " "	20
1# " carbonate	48
1# " chromate	60
2# " hydrate	1 28
1# " chlorate	40
1# " ferricynide	60
1# " ferrocynide	60
½# " hyposulphate	50
½# " iodide	1 20
½# " nitrate	14
1# " oxalate	48
½# " permanganate	28
½# " phosphate	50
½ Oz. silver nitrate	60
1# Sodium acetate	28
3# " carbonate	84
1# " hydrate	60
2# Stannus chloride	80
1# Zinc chloride	40
5# " oxide	3 00
1 Chromic anhydride	2 00
2½ Oz. copper powder	40
30# Litharge	3 60
2 Cases for bottles	1 20
25 Pt. bottles	5 00
70# Nitric acid	4 55

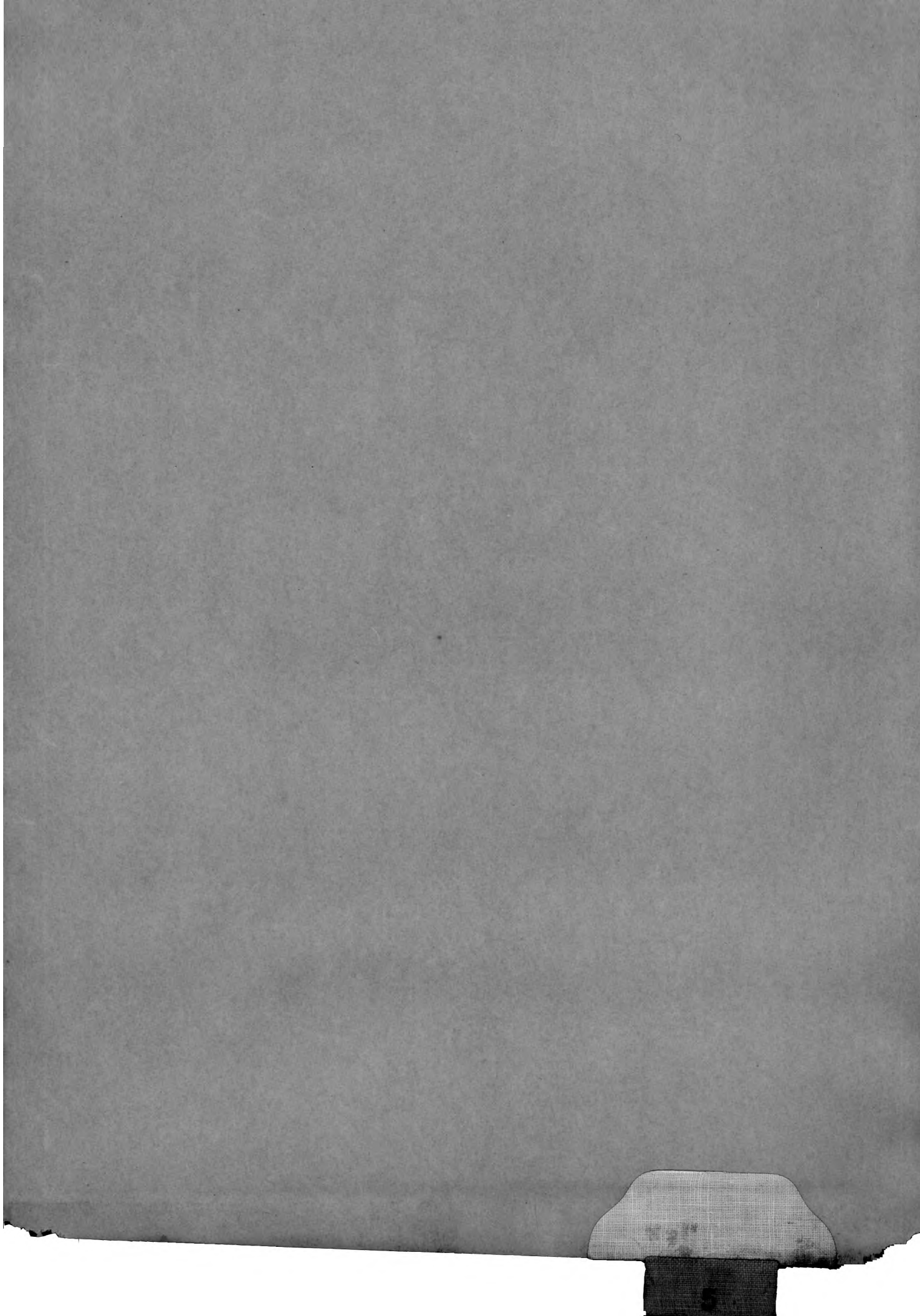
Total Reagents on hand,

\$70 76

THE CLEVELAND-CLIFFS IRON COMPANY

STATEMENT OF LANDS PURCHASED 1902.

Name of Tract.		Acres.	Price.	Amount.
Rose - Tract.		160	3.00	480.00 ✓
AuTrain Falls -	Tract	40	30.00	1200.00 ✓
Howard Second	"	160	2.00	320.00 ✓
R.C.Williams	" (50-30)	280	2.50	700.00 ✓
Bruce 2nd.	"	80	4.00	320.00 ✓
Sandberg	"	80	5.00	400.00 ✓
McKnight	"	7220	5.54	40000.00 ✓
Palms 2nd.	" (AuT.River)	793.28	5.00	4000.00 ✓
Utter	"	87.31	3.50	305.50 ✓
Schulthies	"	120	6.50	780.00 ✓
Hale & Jackson	"	4837	5.00	24185.00 ✓
C. & N. W. Ry.	" (" ")	1852.03	6.48	12000.00 ✓
Wood Island	"	188.09	6.38	1200.00 ✓
McGraw	"	76.57	5.54	424.50 ✓
Brooks & Pumpelly	"	320	6.50	2080.00 ✓
C. & N.W. Ry.	"	13744.46	6.55	90000.00 ✓
Rossiter	"	160	3.00	480.00 ✓
Powell 3rd.	"	3713.65	2.50	9284.12 ✓
Gogarn	" (Long Lake)	86	5.00	430.00 ✓
Sands	"	21808.86	4.00	87235.44 ✓
UpJohn	"	5398.90	4.72	25500.00 ✓
Danaher	"	23060.17	2.00	46120.34 ✓
Sullivan	"	11254.84	4.00	45027.44 ✓
Burt	"	15959.10	2.19	35000.00 ✓
	Total,	111480.26	3.83	\$427472.34
<u>Timber only.</u>				
Pickands, hemlock		160	5.00	800.00 ✓
D.M. & M. R.R.- Timber in 46-12		11148.39	2.39	26666.00 ✓
	Total,	11308.39		\$27466.00



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Negaunee, Mich. Nov. 30th. 1902.

Mr. Wm. G. Mather, President,
Cleveland, Ohio.

Dear Sir:

I hereby submit report covering operations of the
Land Department for the year ending November 30th. 1902.

This report covers The Cleveland-Cliffs Iron Co., Iron Cliffs
Co., Cleveland Iron Mining Co., Michigamme Co., American Iron Mining
Co., The Munising Co. and Munising Railway Co. - for the two latter
the year ends Dec. 31st. 1902.

Respectfully submitted,

Stuart C. Fern.

Land Agent.

W & B PARAGON LINEN
MADE IN U.S.A.

THE CLEVELAND-CLIFFS IRON COMPANY.

The principal work of this department has for another year been the examination and purchase of timber lands, and the necessary steps to place in our books and records such purchases. We have procured and will add thereto the best system of books for this purpose, so that anything pertaining to title and condition of our lands may be easily looked up by anyone.

MANUFACTURING INDUSTRIES. A paper and pulp mill has been secured for Munising which will no doubt be of great benefit to the Railway and the Village; beyond this no other manufactories have been yet secured. Several hardwood manufacturers from the Lower Peninsula have commenced investigations of the timber supply and manufacturing advantages of Munising, and although they seem satisfied with what is offered still they have not definitely located; the reason apparently being that none of them are sufficiently near the end of their present supply as to make necessary an immediate removal; we believe this because none of these people have purchased elsewhere, and they keep their negotiations with us still open.

We have good grounds for expecting that some of these will materialize before long. The branches of manufacturing spoken of by these people have been maple flooring and box stuff, broom and other handles, veneers, dishes, etc.

There are four firms who keep up their interest in Munising, who if they can be secured would each manufacture largely of one of the above mentioned articles.

For Saw Mills and Shingle Mills we have numerous enquiries, but can only refer them to lands besides ours which can be obtained for this supply; ours being required for the industries already located at Munising.

MUNISING TOWN SITE. There has been but very little demand for Village Lots, the building up of the town is not required until next year, when it will be necessary to build to accommodate the increasing population; delinquent payments have been pretty good, and are improving and will no doubt improve right along.

GRAND ISLAND. The exploiting of this property has so far consisted in building roads and trails, the placing of wild game animals and birds, building fences to restrain the animals from leaving the Island, thus making a game preserve of the larger portion of it, and making enclosures and buildings for confining the birds for breeding purposes. There have been built some twelve (12) miles of trail which afford convenient and pleasant access for people on foot or on horseback, to the most attractive points on the southern portion of the Island. Starting at the Cottage at Williams Landing a trail leads over the hills and around the shore to the inland lake sometimes called Grand Island Lake. There is also another trail leading from the Cottage easterly along the shore and through the woods to Trout Bay and thence around the head of the Bay and proceeding along the top of the rocks on the east side of Trout Bay to Trout Point, where a near view of Pictured Rocks is obtained. These trails have been made along selected ground with regard to the best grades, dry ground and the display of woodland and lake scenery; they are about six (6) feet wide, all lying logs are removed and the path carefully levelled with pick and shovel so that the walking is pleasant. Road building up to the present time consists of a carriage drive from the Cottage proceeding directly west across the point to the shore on west side of Island, thence northerly along the lake shore to the Fishing Ground at which point is a small dock for the convenience of launches which run between Munising and this point thence the road proceeds another half mile further through the woods to the Grand Island Lake. This carriage road is cut through the woods a width of twenty (20) feet; is carefully aligned and graded, and ditched to carry off the

water which is considerable owing to the numerous springs along the lake shore; the length of this road is about 4 1/2 miles and is all graded except for about half a mile. It is not yet decided whether to have this as a forest grass road or to cover it with gravel or broken stone, there are both materials in the vicinity.

A survey for the extension of this road around the Island has been completed as far as the North Lighthouse, and a trial line has been run for the rest of the distance; work will be prosecuted along this road during the coming winter; a force of some twelve men will be employed cutting and clearing the right of way, so as to save time and danger of fire in the summer time when burning up the tree tops, etc. A park fence of wire eighty-four (84) inches high has been built across the narrow part of the Island through the middle of Sections 9, 10 and 11, connecting with the high rocks on the shore which encircle the Island north of the fence, thus converting the northern portion of the Island, consisting of about 10,000 acres of forest land into a Game Preserve, and leaving that portion south of the fence containing about 3,600 acres open; but this being also a large tract of forest land and somewhat isolated from the main land it constitutes a Game Preserve of some importance, and has now its own natural supply of wild deer and partridge, etc.

The game animals and birds so far purchased and placed in the Game Preserve are eleven (11) elk, eight (8) moose, forty (40) Jack-rabbit 36 ~~Fox~~ squirrels, eight (8) English ring-neck pheasants.

The animals become immediately wild and are seldom seen, although there have been two elk fawns noticed as an increase; there are quite a number of wild native deer on the Island, and also partridge are native. Our instructions are to get the animals into some state of tameness, which will be done this coming winter by means of feeding when the animals can be found during the time of deepest snow.

FISHING PRESERVE. Brook Trout fishing being a recreation natural to a locality such as Munising, and therefore expected by the tourist, unfortunately the streams have become more or less fished out, so steps are being taken to preserve and restock the streams, so that they may again become noted and form a great attraction. Certain streams which run entirely on the Company's lands, and others which can be made so by small purchases of adjoining lands, will be restocked and probably leased to Fishing Clubs as private fishing preserves; the object being to attract travel to Munising; it is also intended to re-stock most of the fishing streams in the vicinity; whether these will be preserved and kept private, or left open for the public is not yet decided, but at all events it would seem advisable that permission to fish through any of the Company's lands should be obtained, to entitle any one to the privilege. For the purpose of providing the young brook-trout for this purpose of re-stocking, the Company is now building a fish hatchery on a suitable stream about two (2) miles from Munising, up the Anna River Valley.

SUMMER RESORT. This being one of the features natural to Munising, and consequently worth encouraging, it would seem advisable that the Company should make a beginning in this line and build half a dozen summer cottages in the park ground west of the Beach Inn, fronting on to Munising Bay. These cottages could be of neat design and cost about \$500 each. This would be something like the practice at Higgins Lake where there are some sixty (60) cottages; and the residents would take their meals at the hotel; thus making provision for a class of people who prefer this mode of living, to living entirely in a hotel, and strongly advocated by Mr. Manning, Landscape Architect on his visit to Munising.

Mr. Manning approved of our system of planting shade trees on the streets of Munising, recommended that we make every effort to pre-

serve the forest growth on the surrounding hills, and made suggestion as to the grading and planting of the proposed park ground, which is to be carried out next spring.

ACCOUNTS. Up to this time books for this Company have not been kept in this office, they have been kept at Cleveland; so we can only refer to pay rolls and bills for information as to cost of the various matters; as to Grand Island the expenditures for this year have been as follows: the item general expenses being for launch and team hire conveying officers of the Company on visits of inspection; the item "game" includes cost of animals and birds, freight, feed, and expense of game keeper. The tools and implements are used for trail and road making. There will be some return from cost of road making in the way of fuel and saw logs cut on right of way.

Game,	\$3,125.59
Fencing,	146.37 ✓
Docks,	250.00 ✓
Trails,	837.07
Roads, including surveying,	4,145.66 ✓
Tools & Implements,	450.16
Camp Equipment,	218.59 ✓
Camp Supplies on hand,	203.68 ✓
Cottage,	35.92
General Expenses,	100.00
Total,	\$9,513.04

3,687.46

LAND HOLDINGS.

In addition to usual statements, a statement showing holdings of this Company and its associate Companies is made herein.

THE CLEVELAND-CLIFFS IRON COMPANY

STATEMENT OF LANDS PURCHASED 1902.

Name of Tract.		Acres.	Price.	Amount.
Rose - Tract.		160	3.00	480.00 ✓
AuTrain Falls -	Tract	40	30.00	1200.00 ✓
Howard Second	"	160	2.00	320.00 ✓
R.C.Williams	" (50-30)	280	2.50	700.00 ✓
Bruce 2nd.	"	80	4.00	320.00 ✓
Sandberg	"	80	5.00	400.00 ✓
McKnight	"	7220	5.54	40000.00 ✓
Palms 2nd.	" (AuT.River)	793.28	5.00	4000.00 ✓
Utter	"	87.31	3.50	305.50 ✓
Schulthies	"	120	6.50	780.00 ✓
Hale & Jackson	"	4837	5.00	24185.00 ✓
C. & N. W. Ry.	" (" ")	1852.03	6.48	12000.00 ✓
Wood Island	"	188.09	6.38	1200.00 ✓
McGraw	"	76.57	5.54	424.50 ✓
Brooks & Pumpelly	"	320	6.50	2080.00 ✓
C. & N.W. Ry.	"	13744.46	6.55	90000.00 ✓
Rossiter	"	160	3.00	480.00 ✓
Powell 3rd.	"	3713.65	2.50	9284.12 ✓
Gogarn	" (Long Lake)	86	5.00	430.00 ✓
Sands	"	21808.86	4.00	87235.44 ✓
UpJohn	"	5398.90	4.72	25500.00 ✓
Danaher	"	23060.17	2.00	46120.34 ✓
Sullivan	"	11254.84	4.00	45027.44 ✓
Burt	"	15959.10	2.19	35000.00 ✓
	Total,	111480.26	3.83	\$427472.34
<u>Timber only.</u>				
Pickands, hemlock		160	5.00	800.00 ✓
D.M. & M. R.R.- Timber in 46-12		11148.39	2.39	26666.00 ✓
	Total,	11308.39		\$27466.00

STATEMENT OF LANDS OWNED OR CONTROLLED BY
THE CLEVELAND-CLIFFS IRON COMPANY
OR IN WHICH IT HAS INTEREST, SHOWING ACRES TIMBERED,
ACRES NOT TIMBERED AND ACRES ON MINERAL FORMATION.

	# Acres Land not t'd.	# Acres Land Timbered	Total Ac.	Acres on Mineral Formation.
The C.C.I. Co.	10920.00	212581.73	223501.73	22128.41
<i>Simon</i> Iron Cliffs Co.	33675.18	8600.00	42275.18	40465.19
Munising Co.	11000.00	68703.49	79703.49	
C. Iron Mng. Co.	1938.30	312.80	2251.10 ✓	2251.10
Totals for above Cos.	57533.48	290198.02	347731.50	64844.70
Michigamme Co.	817.10	525.38	1342.48 ✓	1342.48
American I.Mng.Co.		2775.60	2775.60	2775.60
Total,	58350.58	293499.00	351849.58	68962.78

Our Lands in the counties of Marquette and Baraga only
are considered to be on the mineral formation.

Lands of The Cleveland Cliffs Iron Co. Mar. 30th 1902. (Central Division)

T	R 24 W.		R 23 W.		R 22 W.		R 21 W.		R 20 W.	R 19 W.	R 18 W.	R 17 W.	R 16 W.	Totals.		
	Sea. Fee.	Surf. Min. Fee.	Sea. Fee.	Surf. Min. Fee.	Sea. Fee.	Surf. Min. Fee.	Sea. Fee.	Surf. Min. Fee.	Sea. Fee.	Surf. Min. Fee.	Sea. Fee.	Surf. Min. Fee.	Sea. Fee.	FCC.	Surf. Min. Fee.	
T 44 N														24	142.00	
														26	327.75	
														24	454.25	
														904.00		
														14	439.90	
														16	300	
														20	546.00	
T 45 N														21	40	
														22	600	
														24	240	
														26	200	
														27	360	
														29	160	
														30	160	
														32	320	
														34	80	
														36	464.00	
														823.75		
														22	30.30	
														824.06		
														22	1600	
														1	18.50	
	T 46 N														28	88.00
															7	410.16
														9	241.17	
														10	131.23	
														12	339.91	
														13	497.16	
														14	497.16	
														16	619.81	
														17	619.81	
														18	57.07	
														20	298.84	
														22	37.50	
														24	258.16	
														30	160	
														36	100	
														6306.75		
														22	1600	
T 47 N														25	119.90	
														4	549.46	
														6	233.30	
														8	450	
														10	400	
														12	80	
														14	860	
														18	374.19	
														20	120	
														28	40	
														36	80	
														19	676.22	
														20	160	
														24	640	
														29	640	
														30	313.25	
														31	673.41	
														32	240	
														33	450	
														34	50	
													36	100		
													6306.75			
													2	160		
T 48 N														7	160	
														18	633.45	
														29	640	
														29	320	
														30	133.41	
														31	518.84	
														32	640	
														33	1180	
														34	820	
														119.38		
														29	18.84	
														46	567.56	
														119	38	
														4	160	
														12	360	
													25	640		
													30	820		
													38	640		
													1500.00			
													2	644.72		
T 49 N														3	644.87	
														4	642.06	
														5	482.09	
														7	326.19	
														8	160	
														9	400	
														10	640	
														18	878.60	
														4622.42		
														12	160	
T 50 N														13	640	
														2	644.72	
														3	644.87	
													4	642.06		
													5	482.09		
													7	326.19		
													8	160		
													9	400		
													10	640		
													18	878.60		
													4622.42			
													16	1600		
													16	2400		
													5712.42			
													16	1600		
													16	2400		
													71184.86			
													18	71.56		
													18	1446.92		

In addition to this Statement there is 10040 acres on which we own timber only. (The Northwestern Lumber Co. Purchase)

LANDS OF THE CLEVELAND-CLIFFS IRON CO.

RECAPITULATION.

	Fee.	Surface.	Mineral.	Timber.	Totals
Eastern Division	99670.72			11148.39	110819.11
Central "	71154.85	1871.86	1446.42	10040.00	84513.13
Western "	12889.51	16726.40	1200.00		30815.91
Totals,	183715.08	18598.26	2646.42	21188.39	226148.15

W & B PARAGON LINEN
MADE IN U.S.A.

Comparative Tax Statement, The Cleveland Cliffs Iron Co.

Townships	Acres		Valuations		Cent of Tax		Timber Value		Value per A.		Tax per A.		Taxes Mined		Tax per Ton		Amount Unpaid.	
	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902
Inwood.	5212.42	5200	15187	15298	52643	37967			297	294	.101	.073						
Harrison.	1800	1800	3140	3460	8859	8339	✓		174	192	.049	.046						
Garden.	800	800	1600	1600	2024	2383	✓		200	200	.025	.029						
Masonville.	4664.71	5080	27760	26660	57011	71214	✓		595	524	.122	.140						
Mathias	3990.95	4000	12650	15100	70227	75788	✓		316	377	.176	.189						
Limestone.	2040	2040	4820	6620	28858	31545	✓		236	324	.142	.154						
Marquette.	10326.21	10326.21	22150	22150	45529	43914	-		215	215	.044	.042						
Isipenning.	3977.09	4617.09	8330	9640	26294	26624	-		209	208	.066	.057						
McC Millan	5557.86	4880.86	11200	62950	27669	143653	-		201	253	.049	.057						
Columbus.	8506.80	8572.90	15730	34660	39782	73182	-		184	121	.046	.022						
Burt.	10174.89	38427.47	16040	102375	47374	291694	-		157	266	.046	.075						
Seney.	912.20	6673.98	670	5560	2900	20815	-		27	83	.032	.031						
Munising	18253.38	18708.97	40800	57360	94541	103122	-		223	306	.051	.055						
du Fran.	4501.37	8401.82	17175	36065	68840	127121	-		381	429	.183	.157						
Rock River.		1840		10680		50174	-			580		.272						
Onota.	160	10156.08	800	49750	1988	105520	-		500	489	.124	.103						
Kiwatha	340.67	331.73	330	350	1604	1944	-		96	105	.047	.058						
Skandia	1000.69	8152.11	1900	15520	10103	101283	-		189	190	.100	.124						
Chocolay	240	280	360	500	1259	1775	-		150	178	.052	.063						
Champion	359.58	479.58	1440	1920	1882	3857	-		404	400	.052	.080						
Michiganme	1080	5520	3100	18110	5719	34042	-		287	328	.047	.061						
Arwood.	640	3547.31	2000	12536	4784	27076	-		312	353	.074	.079						
Spurr.	2216.52	2560.97	3790	6375	17222	17708	-		170	248	.077	.069						
Munising Village	937.94	937.52	5105	7400	11793	7400	-			789		.078						
Sault Ste Marie.		857.26		4740		4563	-			552		.053						
Whitfish	8953.28	340	2277	800	715387	1834	-			235		.053						
Maple Ridge		1120		1500		5211	-			134		.046						
Turin		87.31		160		566	-			183		.064						
Baldwin		400		400		1331	-			100		.033						
Nahma		720		2400		2577	-			333		.035						
Wells		240	Not Assessed.				-											
Escanata						1406	-											
West Branch		520		1560		7090	-			300		.136						
Forsyth.		560		1960		2011	-			350		.035						
	89053.28	198179.17	22877763	6159	712887	1434729												

IRON CLIFFS COMPANY.

Following statements show condition of the various accounts, and in explanation of exceptional conditions will say:

TAXES. The taxes of 1902 are being brought into the accounts of 1902, the practice of former years has been to charge up the taxes in the following year, therefore we have the taxes of 1901 and 1902 together in one amount for 1902 in this statement, being taxes for two years. The taxes charged for 1901 were the taxes of 1900. Taxes on residence property in City of Negaunee has a general increase.

BELLEVUE FARM. The statement shows an apparent loss of \$4549.69, but certain matters should be borne in mind in connection with this: there has been a large amount charged off for improvements, the increase in number and value of stock, and a heavy discount was made on supplies; these would be as follows:

Charged off for improvements,	\$1583.13
Increase in value of stock,	729.00
Discount on supplies,	301.93
Total,	<u>\$2614.06</u>

Besides above our teams hauled a large amount of manure from Ishpeming, as well as the regular large supply from our own barn, all for the betterment of the farm; and about twenty acres of new land was broken up for the same purpose. The farm improves every year with work done on it, which has a permanent value.

MISCELLANEOUS LOT RENTS. The large increase of revenue is due to exceptionally good collections and not to increased number of leases.

FARM RENTS. Collections have been much better.

SALES OF FARM LANDS. This shows a steady increase every year and this may be expected to continue, as interest in farming is increasing.

IRON CLIFFS COMPANY

RECEIPTS.

	1901	1902
Tax Sale Purchase expense,	6.01	
Interest,	462.14	725.49
House Rents,	1,623.54	1,431.25
Miscellaneous Lot Rents,	304.50	1,269.95
Farm Rents,	923.54	1,928.12
Junction Lot Rents,	332.00	266.00
Miscellaneous Rents,	193.23	124.50
Sales from Greenhouse (Cash),	3,359.43	3,797.31
" of Timber,	1,044.55	248.08
" " Nursery Stock,	245.80	499.34
" " Farm Lands,	7,075.00	12,870.00
" " Old Material,	69.68	100.00
Bellevue Farm Sales,	1,870.67	1,998.35
Opt. Nursery (Appreciation on Supplies),		101.45
Sales of City Property,	2,500.00	
" " Perkins Loc. Lots,	350.00	
Total Receipts,	\$20,360.09	25,359.84

IRON CLIFFS COMPANY

EXPENDITURES.

	1901	1902
<u>OPERATING LAND DEPARTMENT</u>	\$9,993.35	14459.21-
	1901	1902
Ins. on Rented Houses,	43.08	44.93
" " Buildings,	77.20	37.51
Repairs- Rented houses,	563.89	888.43
" Buildings,	9.10	4.62
Exp. Driving horse,	121.84	86.38 ✓
Salaries,	2715.67	1824.88 ✓
Exp. of Lands,	317.09	55.60
" " Timber lands,	288.50	
Taxes- Rented houses,	181.68	451.46 ✓
" Vacant Lots,	90.84	
" Personal Property,		18.10 ✓
" Lands,	2765.29	6771.73 ✓
" Timber Lands,	1793.95	3030.80 ✓
Exp. Office Yard(Plants),	30.41	
Dep. Inv. Gen'l Sup.	24.69	172.00
" Stk.Bone Fertl'r	86.30	
General Expense,	883.82	1072.77 ✓
	1901	1902
Str. & Print.	132.41	127.49 ✓
Tele & Teleg.	63.61	34.23 ✓
Fre't & Exp.	24.54	32.06 ✓
Water & Ice,	16.20	12.76 ✓
Misc.	127.13	363.89 ✓
Janitor,	116.75	
Postage,	27.60	53.98 ✓
Clerk Hire,	164.00	
Traveling,	19.07	18.15 ✓
Fuel & Light,	192.51	116.05 ✓
Periodicals,		4.16 ✓
Livery,		3.00 ✓
Furniture & Fix.		44.80 ✓
Office Yard,	211.29	✓
Agents "	50.91	

Forward, \$9,993.35 14459.21

		1901	1902
	Bro't for'd,	\$9,993.35	14459.21
<hr/>			
Operating Nursery		1901	1902
Nursery Cultivation,		391.05	375.94
Miscellaneous,		33.55	16.00
Dep. on Inventory,		80.64	
Telep. & Teleg.			2.90
Freight & Exp.			.75
Commissions,			17.49
	Total,	505.24	413.08

OPERATING GREENHOUSE

	1901	1902		
Labor,	1373.60	1369.21		
Misc. Expense,	315.04	158.37		
Fuel & Light,	629.35	126.52		
Fr't & Express,	198.69	76.48		
Cut Flowers Bought,	164.65	158.00		
Taxes on Green H. Plant,	19.63	68.59		
Insurance,	56.25	35.18		
Dep. on Inv. G.H. Sup.	574.25	600.24		
Water & Ice,		9.00		
Telep. & Teleg.		33.30		
Advertising,		85.15		
Stry. & Printing,		5.25		
	Total,	\$3,331.46	2725.29	

OPERATING BELLEVUE FARM

	1901	1902		
Seed Bought,	120.53			
Feed "	1400.21			
Misc. Exp.	450.63			
Labor,	2967.65			
Insurance,	44.52			
Dep. of Imp.	1523.65			
Dairy,	319.71			
Barn Machinery,	34.33			
Taxes,	61.11			
Bone Fertilizer Bot.	162.00			
Dep. on Sup.	544.31			
<u>FARM DEPARTMENT.</u>				
Labor,	1725.96			
Supplies,	1511.51			
	\$3237.47			
Cr. "1902 Crop"	1541.00			
		1696.47		
<u>Dairy Dept.</u>				
Labor,	1871.71			
Supplies,	1963.15			
	\$3834.86			
Cr. "1902 Sales"	1875.29			
		1959.57		
<u>Sheep Dept.</u>				
Labor,	587.71			
Sup.	272.00			
	859.71			
Cr. "1902 Sales"	123.06			
		736.65		
Fwd.	\$4392.69	21,458.70	22147.27	

	1902	1901	1902
Bor't Fwd.	\$4392.69	\$21,458.70	22,147.27
<u>GOAT DEPARTMENT.</u>			
Supplies,	<u>157.00</u>		
	\$4549.69		

Total Expenditures, \$21,458.70 22,147.27

W S & B PARAGON LINEN
MADE IN U.S.A.

Statement of Iron Cliffs Co. Rents November 30th 1902

	Annual Rental		Amt Due Dec 1st		Amt Recd during year		Amt Due Nov 30 Outstanding	
	1901	1902	1900	1901	1901	1902	1901	1902
House Rents	1980.00	1670.10	2225.54	2222.10	1623.54	1431.25	602.00	790.85
Farm Rents	1727.50	2117.96	2695.01	3884.43	923.54	1928.12	1771.47	1956.31
Misc Lot Rents	814.72	1028.54	1215.08	1939.12	304.50	1269.95	910.58	669.17
June Lot Rents	384.00	399.50	933.50	1001.00	332.00	266.00	601.50	735.00
Miscel Receipts			193.23	124.50	193.23	124.50		
	4906.22	5161.10	7262.26	9171.15	3376.81	5019.82	3885.55	4151.33

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IRON-CLIFFS CO - LAND DEPT.

SALES OF FARM LANDS IN 1902.

No	SOLD TO	DESCRIPTION	ACRES	PRICE	AMT.	PAID	BAL DUE Nov.30'
115	Jas. Cina & A. Mingre	SW-NW-18-47-26	34.12	7.33	250	100.00	150.00
116	Mrs.B.Debeck	Sw-SW-27-43-23	40	4.00	160	55.00	105.00
117	Jos. H.Harris	NE-NE-34-47-27	40	6.25	250	82.00	168.00
118	P.C.Peterson	SE-NW- 1-47-26	40	5.00	200	100.00	100.00
120	W. Fish	N'-NW-11-42-23	80	3.75	300	100.00	200.00
121	A. Hemmila	NW-NE-29-48-26	40	7.50	300	100.00	200.00
122	M. Forget	NW-SE-36-39-24	40	11.25	450	112.50	337.50
123	E.Pekkroein	NE-NW-10-47-26	40	7.50	300	100.00	200.00
124	A.Frederickson	NE-SW-18-47-26	40	5.00	200	60.00	140.00
125	Jos.E.Sayer	part ly'g W.Ry. SW-NW-11-42-23	27.25	4.39	120	40.00	80.00
126	I. Snell	SW-NW-8-47-27	40	12.50	500	152.00	348.00
127	J.Tuomela	NW-NW-8-47-26	40	12.50	500	152.00	348.00
128	E.Wartiainen	NW-NW-28-47-26	40	11.00	440	140.00	300.00
129	F. LaBresh	NW-SE-10-41-22	40	11.25	450	450.00	Deed
130	M. Kaapala	SW-SE-6-47-27	40	11.25	450	150.00	300.00
131	J. Strommer	SW-NW-2-47-26	40	6.25	250	82.00	168.00
132	M. Perron	NE-SW-1-39-25	40	7.50	300	300.00	Deed
133	Jos. Sayer	NW-NW-10-42-23	40	11.25	450	450.00	Deed
134	Jno Mattson	Se-SW-20-48-26	40	5.00	200	65.00	135.00
135	Hy. Rosi	Nw-SE-6-47-27	40	10.00	400	130.00	270.00
136	Jos Lammi	NE-SE-6-47-27	40	10.00	400	130.00	270.00
137	Edw. Duford	NE-NW-27-39-24	40	10.00	400	100.00	300.00
138	Japet Penola	NE-NE-18-47-27	40	11.25	450	112.50	337.50
139	Mike Wisuri	NW-NE-18-47-27	40	10.00	400	100.00	300.00
140	H. Miklow	NE-NE-7-47-27	40	12.50	500	125.00	375.00
141	H. H. Winde	NE-SW-35-43-23	40	5.00	200	200.00	Deed
142	Jno Karhi	NW-SE-4-47-26	40	8.75	350	116.00	234.00
143	Frank Alard	SW-SE-4-47-26	40	8.75	350	216.00	134.00
144	Chas. Juntilla	SW-NE-27-47-27	40	7.50	300	100.00	200.00
145	F. Lampi	NW-SW-3-47-26	40	7.50	300	100.00	200.00
146	N. Brunette	NW-SW-1-39-25	40	7.50	300	100.00	200.00
147	P. Larrin	SE-NW-30-39-23	40	10.00	400	136.00	264.00
148	J. Mitchell	NE-SW-9-47-26	40	8.75	350	50.00	300.00
149	J. Mitchell	SE-SW-4-47-26	40	10.00	400	200.00	200.00
150	Erickson&Biss- ell	SW-NE&NW-SE 23-43-23 & SE-SW-29-42-22)	120 1501.37		1300 \$12870	1300.00 \$6006.00	Deed \$6864.00

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M 2 & B BABYSON FINEM

IRON CLIFFS COMPANY.

STATEMENT OF TIMBER SALES.

Sold To.	Description.	Cord Wood Hard Soft	Price.	Amount.
C. C. I. Co.	City 'Marquette Timber on R.' Way Sands Rd. 48 - 25	1690 5/8	.10	169.08
Trespass				75.00
				4.00
Totals,		1690 5/8		248.08

MADE IN U.S.A.

M 2 & B BABYSON FINEM

STATEMENT OF GREENHOUSE SALES FOR YEAR ENDING

NOVEMBER 30th. - 1902.

Date	Cut Flowers	Plants	DESIGNS	MISC.	Total.
Dec.'01	251.63	19.51	61.50	2.18	334.82
Jan'02	142.80	9.40	46.00	2.46	200.66
Feb'y "	167.35	18.35	10.00	10.21	205.91
Mar. "	326.65	87.55	121.00	8.80	544.00
Apr.	186.35	61.55	48.50	7.75	304.15
May	240.60	223.15	74.00	6.28	544.03
June	256.50	224.35	92.75	6.87	580.47
July	88.02	139.38	67.65	1.90	296.95
Aug.	52.10	13.95	27.50	1.85	95.40
Sept.	106.40	16.10	76.00	5.45	203.95
Oct.	112.75	30.25	37.00	4.72	184.72
Nov.	142.20	6.45	99.50	2.25	250.40
Totals,	\$2073.35	\$849.99	761.40	60.72	3,745.46

1024. *106.15*
1967 v0 *3.639.2*

COMPARATIVE STATEMENT OF GREENHOUSE SALES.

Year.	Cut Flowers	Plants	Designs	Misc.	Total.
1898	1104.49	786.21	309.98	93.00	2293.68
1899	1404.71	1062.86	495.20	48.75	3011.52
1900	1679.37	1003.35	432.75	6.75	3122.22
1901	2084.69	754.40	553.25	9.45	3401.79
1902	2073.35	849.99	761.40	60.72	3745.46

STATEMENT "OPERATING GREENHOUSE".

	1901	1902.
Labor,	1373.60	1369.21
Miscellaneous Expense	315.04	158.37
Fuel,	629.35	126.52
Freight & Express,	198.69	76.48
Cut Flowers Bought,	164.65	158.00
Taxes on Greenhouse Plant,	19.63	32.39
Insurance,	56.25	35.18
Depreciation on Inventory G. H. Supplies,	574.25	600.24
Water & Ice,		9.00
Telephone & Telegraph,		33.30
Advertising,		85.15
Stationery & Printing,		5.25
Total,	\$3,331.46	\$2689.09

STATEMENT OF BELLEVUE FARM SALES FOR YEAR ENDING

NOVEMBER 30th. 1902.

Date.	Butter	Mutton	Poultry	Veal	Pork	Misc.	Total.
1901							
Dec.	61.28	7.04	4.98	5.58			78.88
1902							
Jany.	49.83				31.95		81.78
Feby.	81.48						81.48
Mch.	104.41						104.41
Apr.	166.23						166.23
May	112.32						112.32
June	180.01			31.39			211.40
July	219.31					52.50	271.81
Aug.	170.89	9.65	2.00	8.37			190.91
Sept.	135.26	4.75	.50	8.55			149.06
Oct.	140.23	40.52				3.00	183.75
Nov.	65.46	40.90	13.50	5.58	108.87	13.50	247.81
Total	1486.71	102.86	20.98	59.47	140.82	69.00	\$1879.84

Distribution Of Misc. Column

Cream,	58.20
Sheep Pelts,	10.80
Total,	\$69.00

1902.35
118.51

102.86
10.80
113.66

BELLEVUE FARM IMPROVEMENTS.

1902.

	Labor.	Supplies.	Total.
Roads,	464.16	42.34	506.50
Clearing land,	341.48		341.48
Fences,	80.25	135.26	215.51
Misc . Imp.	72.27	137.74	210.01
Barn Alterations,	122.32	36.19	158.51
Planting Trees,	28.70	83.42	112.12
Water Supply in Barn,	38.21	56.35	94.56
Chicken House,	21.14		21.14
Painting & W. Washing Barn, etc.	66.25	35.46	101.71
Total,	\$1,234.78	526.76	1,761.54

IRON CLIFFS COMPANY

BELLEVUE FARM.

Statement of "1902 Crop"

ITEMS.		VALUE.
80 Tons Hay	@ \$10.00	800.00
75 " Corn Ensilage	5.00	375.00
800 Bu. Oats	.32	256.00
22 Tons Straw	5.00	110.00
		\$1541.00

CROP ENTRY.

Showing distribution of 1902 Crop:

OPERATING FARM DEPARTMENT.

410 Bu. Oats	.32	131.20
2 Tons Straw	5.00	10.00
8 " Hay	10.00	80.00

221.20

OPERATING DAIRY DEPT.

190 Bu. Oats	.32	60.80
75 Tons Corn Ensilage	5.00	375.00
37 " Hay	10.00	370.00
17 " Straw	5.00	85.00

890.80

OPERATING SHEEP DEPT.

100 Bu. Oats	.32	32.00
23 Tons Hay	10.00	230.00
2 " Straw	5.00	10.00

272.00

OPERATING GOAT DEPT.

100 Bu. Oats	.32	32.00
12 Tons Hay	10.00	120.00
1 " Straw	5.00	5.00

157.00

To

Operating Farm Dept.

\$1541.00

5
25

BELLEVUE FARM.

Scale 300' One Inch.

ACREAGE & YIELD OF CROP FOR 1902.

	Acres	Yield	Value
Hay	27.10	80	
Corn	36.80	75	
Oats	21.24		500
Colt straw		22	
Total	97.16	177	500



S.A.S. 47-26.

ESTIMATE OF TIMBER ON IRON CLIFFS CO. LANDS.

NOV. 30th. 1902.

Kinds of timber M. Ft.	T.47&48 N. R. 25 W.	Baraga County	Cascade Range	Sec.1-11 12,13,14 T.47-26	Maple Ridge	Ford Riv. & Felch	Totals
White Pine				133			133
Birch	2261		152	187		262	2862
Maple	5049	239	920	704			6912
Baswood	358		369	110			837
Oak	336			39			375
A sh	54	12		32		4	102
Elm						36	36
Cedar.							
Posts	140000	10450	19800	32000	3500		205750
Ties	42800	1600	7800	9400	600		62200
Poles	5943		1000	1400			8343
Hemlock M. Ft.	5490	48	294	525		1348	7705
Ties	55895	1750	1850	2750	1380	9900	73525
Cds.Bark	5490		190			496	6176
Spruce	1118	282	325	71		14	1810
Fuel Cds.							
Hardwood	113355	14415	14965	16130	2700	32985	194550
Softwood	32407	1235	5952	6301	4335	3285	53515

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The Cleveland-Cliffs Iron Co.

MUNISING RAILWAY, MARQUETTE & SOUTHEASTERN RAILWAY, LAKE SUPERIOR & ISHPEMING RAILWAY.

LAND DEPARTMENT.

FACTS ABOUT MUNISING AND VICINITY:

MUNISING, FINEST HARBOR ON THE LAKES.
FREE MANUFACTURING SITES AT MUNISING.
HARDWOOD TIMBER FOR SALE.
FARM LAND FOR SALE ON EASY TERMS.
THE SOIL WONDERFULLY PRODUCTIVE.
AN UNSURPASSED HOME MARKET.
CITY LOTS FOR SALE.

SAMUEL REDFERN,
LAND AGENT.

INCLUDING LANDS OF

THE CLEVELAND-CLIFFS IRON CO.
CLEVELAND IRON MINING CO.
IRON CLIFFS CO.
PIONEER IRON CO.
EXCELSIOR IRON CO.
AMERICAN IRON MINING CO.
MICHIGAMME CO.
MUNISING CO.
MUNISING R'Y CO.

NEGAUNEE, MICH. Dec. 4th, 1903

Mr. R. C. Mann, Auditor,
Cleveland, Ohio,

Dear Sir:-

Replying to your letter of the 29th ult., also referring
to your letters of Feb. 11th and March 26th, regarding tax statements
in 1902 annual report, I ^{hand} have you herewith statements which, I believe
will explain all differences.

Yours truly,

Samuel Redfern
Land Agent, *SR*

H.S.N.

October 29th, 1903.

Mr. Samuel Redfern, Land Agent,

Negaunee,

Mich.

Dear Sir:

On March 26th, 1903, we wrote you in regard to items of difference on your 1902 Tax Statements as shown in your Annual Report, and would like to have your reply to this, with corrected statements as requested, in order that we may have same for proper comparison when we receive your 1903 Annual Report.

Yours truly,

Auditor.

HCS-THB

March 26th, 1903.

Mr. Samuel Redfern, Land Agent,
Negaunee, Mich.

Dear Sir:-

Your favor of the 24th received enclosing statements giving distribution of Iron Cliffs and Cleveland Iron Mining Company's taxes for 1901 and 1902.

The items given in our letter of February 11th for taxes on Iron Cliffs Company's property amounting to \$4912.50 are the items as shown by your balance sheets and your 1901 annual report; hence if the taxes taking into account as per your last statement amounting to \$4902.38 are correct, the difference of \$10.12 must have been incorrectly charged on your balance sheet for 1901. Kindly explain.

If as you say the figures used in your annual report are not correct would it not be well for you to make out corrected figures and send to us to replace them? The difference between the taxes for 1902 as shown by our books and your corrected statement, due to the books showing both 1901 and 1902 taxes in year 1902, could be shown thereon.

Yours truly

The Cleveland-Cliffe Iron Co.

Auditor

IRON CLIFFS COMPANY.

Distribution of Taxes 1901 & 1902.

Townships	Lands		Timbered Lands		Delinquent Taxes		Rented Houses		Vacant Lots		Greenhouse		Cellar & Farm		C.C. (Sum Dep.)		Total Taxes		Total Taxes Taken into Accts.		
	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	
Baldwin	33 53	75 00	45 00	74 34														78 53	149 34	78 53	149 34
Maple Ridge	159 58	610 10	53 20	19 89														212 78	679 99	212 78	679 99
Ford River	26 29	113 75	54 00	75 45														113 36	139 20	80 99	139 20
Hills	3 66	9 34																3 66	9 34	3 66	9 34
Spaulding	59 82	141 11	119 65	262 63														199 83	423 74	179 47	423 74
Sands	106 48	851 80	673 61	1420 20														780 09	2252 00	780 09	2252 00
Marquette	57 34	148 04	229 35	355 54														286 69	523 58	286 69	523 58
Forsythe	17 81	35 57																17 81	35 57	17 81	35 57
Richmond	498 14	899 55	139 96	449 35														699 21	1418 41	699 21	1418 41
Negaunee	208 19	425 12																208 19	425 12	208 19	425 12
Silden	489 84	1203 60	54 84		22 69	90 61												567 37	1294 21	544 68	1203 60
Schpenning	490 38	567 79			28 99	226 85												519 37	794 64	490 38	567 79
Ely	88 62	142 51																88 62	142 51	88 62	142 51
St. Anne		75 14	88 23	116 07														88 23	191 21	88 23	191 21
Marquette City	37 35	308 08	336 11	274 46														373 46	582 54	373 46	582 54
Negaunee "	412 36	694 21																704 51	1472 98	704 51	1472 98
Schpenning "	65 08	471 02			2 87	57 18	367 69											122 26	841 58	75 20	473 89
	2755 17	6771 73	1793 95	3030 80	108 86	685 15	181 68	451 46	90 84	18 10	19 63	68 59	61 11	260 13	52 73			5063 97	11285 96	4912 50	10600 81

IRON CLIFFS COMPANY.

Comparative Tax Statement.

Townships	Acres.		Valuation.		Total Taxes Paid		Taxes paid for Various Purposes		Taxes Taken into Accts.	
	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902
Baldwin	459.	417.	2510	1910	85 66	63 68			85 66	63 68
Maple Ridge	2656.09	2415.49	9340	8650	309 40	300 70			309 40	300 70
Jord River	600.	480.	4880	4780	148 15	153 45	67 25	75 26	80 90	78 19
Hells	80.	40.	285	125	5 46	3 88			5 46	3 88
Spaulding	1391.80	1313.76	7790	7390	263 30	222 69	42 25	42 00	221 05	182 69
Sands	5360.04	5376.22	22080	21880	1103 55	1181 62	16 00	17 17	1087 55	1164 45
Marquette	2467.15	2427.03	12480	12440	256 79	246 79			256 79	246 79
Gonayite	879.20	879.18	900	900	16 99	18 58			16 99	18 58
Richmond	6865.60	6745.60	26930	26490	682 91	735 50			682 91	735 50
Agansee	4750.60	4390.60	12240	11320	278 14	263 66	74 99	41 69	203 15	221 97
Tilden	7738.18	7300.46	27280	28460	608 ² 85	682 68	45 52	45 09	566 01	637 59
Iskpenning	2340.51	2057.87	14490	12740	448 12	346 52	121 02	105 83	327 10	240 69
Ely	1600.	1600.	2250	2260	75 44	67 07			75 44	67 07
L. Anse	1120.	1120.	3500	3500	103 22	87 99			103 22	87 99
Marquette City	800.	800	16025	16025	172 49	193 45			280 59	301 95
Agansee "			80738	36305	199 38	1650 69	1288 40	879 69	701 98	771 00
Iskpenning "			22800	22700	1000 51	438 67	597 60 176 28	191 41	226 63	247 26
	39108.17	37363.31	266518	217895	7660 14	6768 12	2429 31	1398 14	5230 83	5369 98

Corrected Report.
See letter.

Total shipments from mine during week,

On hand at mine,

On hand as per last report at Escanaba,

Shipped during week to Escanaba,

Total,

Shipped during week from Escanaba,

On hand at Escanaba,

On hand as per last report at Marquette,

Shipped during week to Marquette,

Total,

Shipped during week from Marquette,

On hand at Marquette,

On hand as per last report at St. Ignace,

Shipped during week to St. Ignace,

Total,

Shipped during week from St. Ignace,

On hand at St. Ignace,

Total amount on hand at mine and shipping ports,

Total shipments from Escanaba as per Bills Lading,

“ “ “ Marquette, “ “

“ “ “ St. Ignace, “ “

“ “ to Pioneer Furnaces,

Total shipments from mine during week,

On hand at mine,

On hand as per last report at Escanaba,

Shipped during week to Escanaba,

Total,

Shipped during week from Escanaba,

On hand at Escanaba,

On hand as per last report at Marquette,

Shipped during week to Marquette,

Total,

Shipped during week from Marquette,

On hand at Marquette,

On hand as per last report at St. Ignace,

Shipped during week to St. Ignace,

Total,

Shipped during week from St. Ignace,

On hand at St. Ignace,

Total amount on hand at mine and shipping ports,

Total shipments from Escanaba as per Bills Lading,

“ “ “ Marquette “ “

“ “ “ St. Ignace, “ “

“ “ to Pioneer Furnaces,

Cars shipped to Escanaba included in amount on hand at mine,

“ Marquette “ “ “ “

“ St. Ignace “ “ “ “

“ Pioneer Furnaces, “ “ “

Cars shipped to Escanaba included in amount on hand at mine,

“ Marquette “ “ “

“ St. Ignace, “ “ “

“ Pioneer Furnaces “ “ “

Comparative Tax Statement; Iron Cliffs Company.

Townships	Acres		Valuations		Amt. of Tax		Timber Value		Value per A.		Tax per A.		Tons Mined		Tax per ton		Amt. Unpaid	
	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902
Baldwin	469	417	2510	1910	8566	6368	1462	1462	546	458	.186	.151						
Maple Ridge	2656.09	2415.49	9340	8650	30940	30070	855	194	351	354	.116	.124						
Ford River	600	480	4880	4780	14815	15345	1640	1116	813	995	.246	.319						
Wells	80	40	285	125	546	388			475	312	.068	.097						
Spalding	1391.80	1313.76	7790	7390	25314	22469	2351	2296	559	562	.189	.171						
Sands	5360.00	5376.32	22080	21880	110355	118162	21732	21607	412	407	.208	.219						
Marquette	2467.15	2427.03	12480	12440	25679	24679	11129	11129	506	512	.104	.101						
Forsythe	879.20	879.18	900	900	1699	1858			102	102	.019	.211						
Richmond	6865.60	6745.60	26930	26490	68291	73550	11228	11103	392	392	.099	.109						
Wegaunee	4750.60	4390.60	12240	11320	27814	26366			257	257	.058	.060						
Bliden	7738.18	7300.46	27280	25460	60885	68268	720	720	352	389	.078	.093						
Iskreming	2340.51	2057.87	14490	12940	45776	35204			619	618	.195	.171						
Co.	1600	1600	2250	2260	7544	6317			140	141	.047	.039						
L'Anno	1120	1120	3500	3500	10322	8999	2915	2915	312	312	.092	.078						
Marquette City	800	800	16025	16025	28059	30195	5608	5533	2003	2003	.350	.077						
Medanice "			80738	36305	172290	187193												
Iskreming "			22800	22700	40291	43869	225	225										
	39108.17	37363.31	266518	217875	679186	699098	59865	58300										

Condition of Farm Lands, June 30th 1902.

Names	Description	No. Acres	Acres	Rental	1901	1902	Cont. Land	Value Paid	Cost of Improvements	Acres	Acres	Remarks
J. Braastad	NW. NW 3-47-27	1.0	39.00	39.00	117.50			Yes	17.50	39	All	
"	NE. NE. 4 " " 7	"	40.40	41.00	123.00			"	14.00	33	"	
Erick Anderson	SW NE. " " 3	"	39.00	39.00	63.00			"	14.00	30	"	
Frank Johnson	SW NE. " " 5	"	20.50	16.00	11.50	70.94		"	2.00	7	"	
W. Hunter & J. Swanson	SE. SE. " " 6	"	5.00	5.00	5.00	15.00		"	1.00	4	"	
Anton Swack	" " " " 7	"	5.00	5.00	5.00			"		2	"	
Ludwig Larson	" " " " 9	"	5.00	5.00		16.52		"	1.00	4	"	
Swanson & Hendrickson	SW. SE. " " 10	"	41.70	41.00	51.00	39.14		"	15.00	32	"	
Joseph Waters	SW. SW. " " 11	"	40.00	30.00	15.00	20.00		"	8.00	20	"	Small House
Chas. Heikko & Nels. Heikka	NW. NW. 9 " " 12	"	40.00	40.00		124.39		"	6.00	4	"	
Wm. Harris & Matt Kauffman	NE. NW. " " 13	"	43.00	43.00	50.65	30.61		"	13.00	42	"	
W. Koskela & Wm. Harris	SE. NW. " " 14	"	40.00	40.00	46.50	33.50		"	14.00	40	"	House & Barn
Isaac Snel & J. Tomala	SW. NW. " " 15	"	40.00	40.00	39.97			"	15.00	30	"	House & Barn
David Johnson	SW. NE. 4 " " 18	"	41.00	41.00	164.00	33.92		"	7.00	10	"	
Emmanuel Grund	NE. NE. SW 15 " " 22	"	10.00	15.00		15.00		"	6.00	50	"	House
Mat. Ryan	Farm lot #1	25	2.50	5.00	5.00			"	1.00	2.50	"	
Mat. Mehan	" " # 726	25	2.50	5.00	4.00	5.00		"	1.00	2.50	"	
John T. Burk	" " # 332	25	2.50	5.00	5.00	15.00		"	1.00	2.50	"	
Andrew Rack	NW. SW 8-47-27	4	160.00	100.00		150.85		"	20.00	60	"	House & Barn
John Anderson	SW. NW 21 " " 5	"	40.00	35.00	35.00	8.46		"		2	"	
John Mellemakie	SW. NW 20 " " 6	"	40.00	40.00	60.00	152.94		"	10.00	25	"	
Anthony Bredet Co.	SW. NW 12 " " 10	"	40.00	150.00		300.00		"	10.00	"	"	Powder Works Buildings
J. Braastad	NE. NW 28 " " 13	"	40.00	30.00	30.00	31.54		"	1.00	2	"	
"	SW. SW 30-48-27	16	40.00	40.00	90.00			"	8.00	15	"	
"	SE. SE. 38 " " 17	"	40.00	40.00	120.00			"	12.00	30	"	
Wm. H. Whitfield	NE. NE 12-47-27	22	40.00	25.00	12.50			"				
Wm. Raymond	NE. SE 21 " " 25	"	40.00	30	32.65	4.97		"	16.00	15	"	House
O. H. Formo	NW. NW. 15 " " 28	"	40.00	30.00		42.48		"	6.00	5	"	Partly House & Barn
Gustave Isaacson	SE. NW. 20 " " 36	"	40.00	40.00	20.00	31.80		"	5.00	4	"	
Samuel Treloar	NW. NE. 12 " " 37	"	40.00	25.00	12.50			"				
Wm. Shanon	SW. NE 9 " " 39	"	20.00	20.00				"	1.50	2	All	
Edmund Vadnais	SE. NW 18 " " 40	"	40.00	30.00		96.71		"	1.60	5	Partly	
Nelson Laquette	SE. NW 6 " " 44	"	80.00	40.00	20.00	78.58		"	2.00	20	"	
James Burns	Farm lot # 945	25	2.50	5.00	5.00	10.00		"	1.00	2.50	All	
J. Walline	SE. NE 8-47-27	16	40.00	40.00		109.10		"	10.00	10	"	House & Barn
Carl Carlson	NW. NE 17 " " 47	"	40.00	30.00	30.00			"	2.00	5	"	
John Buck	Farm L. 46-6	472	7.00	15.00		35.00		"	3.00	7.50	"	
Ole Fredrickson	SW. NW 12-47-27	48	25.00	20.00		91.67		"	6.00	4	"	House & Barn
William Lundberg	Farm L. 9-10-11-50	50	10.00	20.00	25.00	35.00		"	4.00	10	"	
H. A. Keeling	" " # 352	25	2.50	5.00		15.00		"	1.00	2.50	"	
Erick Anderson	NW. NE SE. PT. 4-47-27	54	24.00	10.00	36.60	6.19		"	6.00	5.00	"	
Edward Colon	SE. NE 24 " " 55	"	35.50	30.00	37.07	19.91		"	7.00	4	Partly	House & Barn
Matt Kauges	NW. SW 9 " " 56	"	40.00	50.00	104.84	39.50		"	10.00	15	All	
Henry Holman	SW. SE. 8 " " 58	"	40.00	30.00	30.00	13.77		"	6.00	15	Partly	
Wm. Mitchell & Stolten	SW. NE 8 " " 59	"	40.00	30.00		129.50		"	1.50	5	"	
W. H. & C. E. Bengtson	NW. SE. 8 " " 60	"	40.00	30.00		113.58		"	1.75	5	"	
E. P. Bigler	Farm L. # 2	61	2.50	5.00		13.34		"	1.00	2.50	All	
John Elliott	" " # 62	25	2.50	5.00		7.00		"	1.00	2.50	"	
Wm. Lundquist	SW. NW 3-47-26	63	40.00	35.00	10.00	45.00		"	6.00	4	Partly	House & Barn
Wm. Kivry	" " # 64	25	2.50	5.00				"				
Matt Kauppala	Farm L. # 71	66	2.50	7.50	7.50	7.50		"	2.50	1.50	All	
John F. Anderson	SE. SW. 4-47-27	66	36.00	30.00		30.00		"	12.50	2	Partly	
Benson St.	Farm L. # 18	107	2.50	7.50	7.50	3.13		"	2.00	1	All	
"	" " # 19	108	2.50	7.50	7.50	3.13		"	2.00	1	"	
Isaac Riski	" " # 22	109	2.50	7.50	7.50	7.50		"	4.00	2.50	"	
John Granholm	" " # 21	70	2.50	7.50	7.50	2.50		"	7.50	2.50	"	
Isaac Tojonen	" " # 20	71	2.50	7.50		17.50		"	8.00	2.50	"	
Herman Elson	" " # 14	72	2.50	7.50	5.00			"	1.00	2.50	"	
C. O. Erickson	SE. SE. 2-47-27	73	40.00	30.00	15.00	5.00		"				
Edward Lummuikka	SE. NW. 8 " " 74	"	40.00	30.00	15.00	5.00		"				
John F. Anderson	NE. SW 4 " " 75	"	40.00	30.00	20.00			"				
Carl Warrquist	NW. SE. " " " 76	"	40.00	45.00	12.50	4.17		"				
J. F. Van Brocklin	SE. SE. " " " 77	"	5.00	5.00		3.75		"				
Isaac Riski	NW. NW " " " 78	"	40.00	30.00	15.00	7.50		"				
Herman Elson	NW. NE " " " 79	"	40.00	30.00	30.00			"				
John Hyttainen	NE. SW 8 " " 80	"	40.00	25.00	12.50	6.25		"				
Herman Peto	SW. NW 4 " " 81	"	40.00	30.00	15.00	7.50		"				
Edward Lummuikka	NE. NW. 8 " " 82	"	40.00	20.00	10.00	3.34		"				
Kalle Kempainen	NE. NE. " " " 83	"	40.00	30.00	15.00	5.00		"				
Paavo Lassila	SE. SE. 5 " " 85	"	40	30.00	15.00	15.00		"				
			2287.00	1931.50	1931.79	2148.07			795.20	693.00		

Improvements shown above are as shown in last annual statement. The improvements made in year 1902, have not been examined owing to press of other work.

COMPARATIVE STATEMENT OF FARM LANDS & LEASES.

	I.C. Co. 1901-1902		C.I.M. Co. 1901-1902	
Farm leases in force Dec. 1st.	57	58	19	19
Farm leases issued during year,	1	14		
Total,	58	72	19	19
Farm leases abandoned during year,	1			
Farm leases in force Dec. 1st. 1902	57	72	19	19

IRON-CLIFFS COMPANY.

	1901	1902
Average amount of Farm Land Sales each,	321.59	367.70
Total Amt. Rec'd from Farm land sales,	7075.00	12870.00
" Receipts from F.L.S. outstanding,	5569.63	5722.36
Number of Acres sold,	863.78	1501.37
" " " leased during year,	2.50	520.00
" " " under lease,	1767.20	2287.20
Value of Sales Soft Wood,	630.00	
Value of Sales Hardwood,	414.55	248.08

CLEVELAND IRON MINING COMPANY.

	1901	1902
Number of Acres leased during year,	-	-
Number of Acres under lease,	484	484

CLEVELAND IRON MINING COMPANY.

The various statements following show condition of accounts; in explanation of some items, will say:-

SECOND ADDITION LOT SALES. There has been no enquiry whatever for lots.

MISCELLANEOUS LOT RENTS. The same leases are still in force. The falling off in collections is because they have not been attended to; this will be attended to at once.

TAXES. Taxes for 1900 and 1901 are paid this year which makes double for this year; the item of \$352.27 for 1901 was the taxes of 1900. The large increase for 1901 and 1902 over that of 1900 was due to raises in valuations caused by Tax Commission.

In 1900 the mine valuations were largely raised, and City property was not raised, so for that year the taxes were particularly low, about one half of what they were for previous years: in 1901 and 1902 they came back to normal state with some raise extra for 1902 as usual throughout the country.

SALES OF TIMBER. This amount was in payment for trespass.

CLEVELAND IRON MINING COMPANY.

RECEIPTS.

	1901	1902
Bancroft Lot Rents,	216.00	93.00
First Cleveland Lot Rents,	1525.46	1860.66
North Location " "	2615.00	2421.26
Miscellaneous " "	517.50	161.00
Farm Rents,	443.25	408.75
Second Add. Lot Sales,	79.00	30.00
Sales of Timber,		25.00
Total Receipts,	\$5396.21	\$4999.67

EXPENDITURES.

	1901	1902
<u>OPERATING LAND DEPARTMENT,</u>	<u>1344.17</u>	<u>2262.72</u>
	1901	1902
Salaries,	828.38	554.86 ✓
Driving Horse,	21.77	
Expense-Timber Lands,	58.31	
Taxes,	352.27	1628.34 A
General Expense:		
Fuel & Light,	1.28	7.69 5 ✓
Postage	11.82	17.16 3 ✓
Water & Ice,	3.05	2.44 5 ✓
Stry. & Print'g.	25.46	27.87 2 ✓
Teleph. & Teleg.	14.60	10.29 6 ✓
Traveling,	14.43	5.00 9 ✓
Freight & Express,	1.30	.79 5 ✓
Rev. Stamps,	9.00	
Miscellaneous,	2.50	2.20 5 ✓
Driving Horse,		3.68 13 ✓
Furniture & Fixtures,		2.40 4 ✓
		79 5 ✓
Total Expenditures,	\$1344.17	\$2262.72

34
 2262.72
 1628.34

 634.38

Cleveland Iron Mining Co
Statement of Rents & Lot Sales November 30th 1902

Location	Annual Rental		Amt Due Dec 1st		Amt Rec'd		Amt Due Nov 30th		Average Rent	
	1901	1902	1900	1901	1901	1902	1901	1902	1901	1902
Bancroft Location	228.00	228.00	1187.00	1199.00	216.00	93.00	971.00	1106.00	12.00	
1st Cleveland "	1945.02	1988.36	4838.03	5300.93	1525.46	1860.66	3312.57	3440.27	18.56	
North Location	2461.00	2675.00	7328.46	7388.46	2615.00	2421.26	4713.46	4967.20	12.00	
Miscellaneous	782.45	998.71	692.94	1174.15	517.50	161.00	175.44	1013.15	23.53	
Farm Rents	447.00	474.53	946.04	977.32	443.25	408.75	502.79	568.57		
nd Lot Sales			2743.34	2664.34	79.00	30.00	2664.34	2634.34		
	5863.47	6364.60	17735.81	18704.20	5396.21	4974.67	12339.60	13729.53	66.09	6

Comparative Tax Statement, Cleveland Iron Mining Co.

Townships	Acres		Valuation		Part of Tax		Timber Value		Value paid.		Tax paid		Transferred		Tax paid		Unpaid Taxes.	
	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902
Iskperning	160	160	1200	1200	37 89	33 13	1440	1440	750	750	236.207							
Silden.	160	160	10 40	10 40	23 19	24 93			650	650	144.155							
Sands.	157.54	157.54	800	800	39 96	42 86			508	508	253.272							
Iskperning City			40300	46075	712.66	870.08	13 40	72.15										
Totals	477.54	477.54	433.40	490.65	813.70	971.50	2780	2650										

Timber Value is figured as follows; Pine \$5.00 per Acre, Hardwood Saw logs 50¢ per Acre, Hardwood 25¢ per cord, Softwood 10¢ per cord, Acreage in Iskperning city is not given because it is composed largely of City Lots.

Lands of Cleveland Iron Mining Co.

	R 27 W.		R 26 W.		R 25 W.		Totals.
	Sec	Fee.	Sec.	Fee	Sec	Fee	Fee.
48	34	160.	*9	40			200
T. 47 N.	2	473.81			3	157.54	
	3	236.60					
	10	243.15					
	11	633.20					
	14	152.80					
	22	80					
	23	80					
		1899.36			157.54		2057.10
							2251.10

* The Cleveland Iron Mining Co. own an undivided half interest in this forty.

City lots are not taken into consideration.

Condition of Farm Lands, Cleveland Iron Mining Co. Nov. 30th 1902.

Names	Description	Sec. T. R.	No. of Acres	Rental	Am't paid in 1902.	Am't Due.	Taxes Paid	Cost of Improv't	Acres Cult'd.	Remarks
Pitts & L. Angline Co.	PT NW 1/4 SW 1/4	3-47-27	1 20	20.00	80.00		Yes.	200.00	10	All.
W.H. Dunstan	" NW 1/4 SW 1/4	3 " "	4 1	5.00	5.00	5.00	"	40.00	1	"
Oliver Hummuth	Patt " "	11 " "	5 2	12.00		12.00	"	900.00	1.50	House & Barn.
Ole Gustad	" " "	2 " "	6 35	35.00	17.50	23.34	"	50.00	3	"
Andrew Hanson	" " "	11 " "	7 65	60.00	60.00		"	1500.00	15	House & Barn.
Joseph Eravrock	" " "	11 " "	8 20	20.00		92.98	"	1500.00	5	" "
Andrew Arntson	" " "	11 " "	9 15	15.00	15.00	15.00	"	800.00	5	" "
Mrs. J. Johnson	" " "	11 " "	10 35	25.00	25.00		"	400.00	5	" "
John Anderson	" SE 1/4 NW 1/4	3 " "	11 41	35.00	35.00	114.13	"	2000.00	25	" "
Chas Spstadt	" E 1/2 SE 1/4	2 " "	12 35	15.00	15.00	15.00	"	50.00	4	"
Joseph Eravrock	" " "	11 " "	13 25	15.00		45.00	"	500.00	2	House & Barn.
John Larson	" " NE 1/4	11 " "	15 25	25.00	25.00		"	400.00	10	"
Daniel Champion	" " "	11 " "	16 40	25.00	25.00	25.00	"	800.00	8	House & Barn
L.J. Larson	" SE 1/4 SW 1/4	34 48-27	17 35	35.00	35.00	13 34	"	1200.00	7	" "
J.H. Lutz & J. Pascoe	S 1/2 NW 1/4 NW 1/4	22-47-27	18 20	25.00	62.5	62.50	"	25.00	1	"
August Gothe	PT. SE 1/4 SW 1/4	3 " "	19 7.50	20.00		25.00	"	200.00	3	"
Chas Johnson.	NW 1/4 SE 1/4	34-48-27	20 40	20.00	20.00	13.34	"	100.00	5	"
John Anderson	PT. NE 1/4 SW 1/4	3-47-27	21 7.50	20.00	20.00	13.34	"	300.00	3	"
Alexander Swanson.	" " "	3 " "	22 15.	20.00		45.00	"	1200.00	7	House.
				484.00	447.00	383.75	499.97	12065.00	120.50	

Improvements shown above are as shown in last annual statement; the improvements made in the year 1902, have not been examined owing to press of other work.

W S & B PARAGON LINEN.
AMERICAN IRON MINING COMPANY.
MADE IN U.S.A.

No enquiries have been made for this Company's lands or timber.

Comparative Tax Statement, American Iron Mining Co.

Townships	Acres		Valuations		Amt. of Tax		Timber Value		Value for A.		Tax for A.		Tax Mined		Tax Just Tax		Amt. Unpaid	
	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902
Spurr.	2775.90	2756.52	46.50	96.75	228.62	268.78	67.81	67.81	167	357	0.82	0.97						

Lands of American Iron Mining Co.

	R. 31 W.			Totals.		
	Sec	Fee.	Surface mineral	Fee	Surface	mineral
T. 48 N.	18	3.00				
	20	5.80				
	28	406.60				
	34	6.40				
	36	274.60	40			
		2221.20	40.00	2221.20		40.00
47	2	554.40		554.40		

2775.60
 1.60
 2787.20

MICHIGAMME COMPANY.

Everything has been very quiet since the mine operations closed,
no enquiries for village lots, lands or timber.

WS & B PARAGON LINEN.
MADE IN U.S.A.

MICHIGAMME COMPANY.

RECEIPTS.

	1901	1902
House Rents,		665.50
Sales of Village Lots,	150.00	
" old material,	1401.88	128.40
Land Rents,	690.00	328.00
Misc. Receipts,		295.62
Total Receipts,	\$2241.88	\$1417.52

DISBURSEMENTS.

General Expense,	334.19	469.60
Taxes,	76.85	709.58
Total,	\$ 411.04	\$1179.18

DETAIL OF GENERAL EXPENSE FOR YEAR

ENDING NOVEMBER 30th. 1902.

	1901	1902
Depreciation on Inventory,	13.00	
Labor & Teaming (loading scrap),	321.19	
Reprs. on Rented Houses,		3.00
Traveling,		11.25 ^a
Legal,		3.00 ^b
Watchman,		281.48 ^c
Insurance on Buildings,		108.56
" " Rented Houses,		62.31
Total	\$ 334.19	\$ 469.60

Comparative Tax Statement, Michiganame Co.

Townships	Acres		Valuations		Amt. of Tax		Timber Value		Value per A.		Tax paid		Taxes Mined		Taxes for tax		Amt. Unpaid		
	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	
Michiganme R. & Mine.			64910	29095	105766	56078													
Michiganme Lands	962.55	962.55	2460	2460	4047	4604			255	255	.042	.045							
Spurr	428.01	428.01	1140	2300	5173	6359			266	537	.120	.147							
Champion	35.37	35.57	144	144	192	259			405	405	.054	.081							
Totals	1425.93	1426.13	68654	33999	115178	67360													

Lands of, Michiganame Co.

	R. 31 W.		R. 30 W.		R. 29 W.		Totals.
	Sec	Fee	Sec	Fee	Sec	Fee	Fee.
T. 48 N.	14	157.28	19	191.75	30	35.37	
	25	270.73	20	151.70			
			25	249.80			
			26	147.70			
			27	100.40			
			29	11.75			
			30	26.00			
	428.01		879.10		35.37	1342.48	

THE MUNISING COMPANY.

SALES OF ALGER CO. LANDS. These lands are all in Township 46, Range 21 which was laid aside for sale to actual settlers who would buy the land with the timber reserved to the Company, and the settlers take contract to cut and deliver the timber at railway track. There has been 1,260 acres sold this year, and 5,128 cords of wood cut and delivered by the purchasers. This cordwood is being delivered over to the Furnace Department. This plan of selling land is satisfactory as it has resulted in bringing settlers into the country who will rapidly clear up the farms and furnish wood for the furnace and incidentally establish a population of hardworking men; Finlanders, who are very necessary for getting out cordwood.

This plan of selling lands is temporarily stopped because the lack of sufficient coal supply in nearby cities has brought cordwood into great demand at increased prices, so the intending settler can buy land with timber from other parties, and sell the cordwood cut there from at higher prices than we are able to pay. We expect this condition is only temporary, and in a short time we will again have applications.

We have some ten thousand acres of cut over lands in vicinity of old Bay Furnace and old Munising Furnace; there is no demand for these lands, but there ought to be as the lands are fair farming lands and there is a good demand for farming lands throughout the country just now; we must endeavor to devise some way of disposing of these lands.

There have been enquiries from two colonizing firms, but they do not want to pay more than \$1.00 or \$1.50 per acre, and we should get not less than \$5.00 per acre.

TAXES. The taxes shown for 1902 include also the taxes of 1901 and the taxes shown for 1901 are the taxes of the year 1900.

The taxes for township of Rock River are particularly high, this being caused by extravagant expenditures by Township Boards.

CHATHAM VILLAGE PLAT. We have sold ten lots; nine of them are built on, besides a new schoolhouse some new buildings have also gone up on land opposite, and Chatham is now a thrifty looking village.

W.S. & B. PARAGON LINEN
MADE IN U.S.A.

MUNISING COMPANY

LAND DEPT.

RECEIPTS.

	1901.	1902.
Sales of Alger Co. Lands,	2,340.00	7,560.00 ✓
" " Timber,	2,006.11	1,000.47 ✓
" " Bark,	4,808.05	2,280.00 ✓
Interest & Discount,	2,083.38	157.53 ✓
East Munising Rents,	188.60	178.07 ✓
Sales of Wood,	3,781.68	9,801.13 ✓
" " Old Material,	350.00	✓
Chatham Rents,	8.00	45.00 ✓
Sales of Cedar,		6,640.00 ✓
" " Lots,		471.00 ✓
Misc. Receipts,		28.30 ✓
Total Receipts,	\$15,565.82	28,161.50

1.559 ✓

DISBURSEMENTS.

	1901.	1902.
Expenses,	4,619.03	5,290.44
Taxes,	7,241.73	14,507.79
Commissions,	721.21	804.00
Total,	\$12,581.97	20,602.23

45

MUNISING CO. - LAND DEPT.

DETAIL OF EXPENSES FOR YEAR ENDING

DEC. 31st. 1902.

	1901	1902
Salaries,	216.66	2211.91 1
Miscellaneous,	458.92	503.97 5
Telep. & Teleg.,	3.74	39.99 6
Traveling,	173.80	468.63 9
Estimating,	297.35	109.05
Stry. & Printing,	63.35	67.11 2
Legal,	1107.51	93.80 8
Livery,	5.00	28.00 5
Measuring Bark,	83.25	
Revenue Stamps,	1.08	
Scaling timber,	26.25	11.70
Freight & Express,	4.18	18.54 6
Election,	35.45	
Dwelling at Chatham,	466.02	
Furniture & Fixtures,	9.90	19.45 4
Advertising,	486.00	1457.33
Postage,	3.00	56.97 3
Commercial Agent,	1172.57	175.96 17
Water & Ice,		1.55 5
Fuel & Light,		13.98 5
Donations,		12.50 10
Total,	\$4619.03	5290.44

MUNISING COMPANY - LAND DEPARTMENT.

SALES OF ALGER CO. LANDS.

1902

No.	SOLD TO	DESCRIPTION	ACRES	PRICE	AMT.	PAID	BAL DUE
							Dec.31
7	Peter Johnson	SE-SE-22-46-21	40	6.00	240	40.00	200.00
8	I. Isaacson	NW-NE-28-46-21	40	6.00	240	40.00	200.00
9	Jno.Heikkala	NE-SW-28-46-21	40	6.00	240	40.00	200.00
10	Gustaf Harja	SE-NW-36-46-21	40	6.00	240	40.00	200.00
11	Oscar Hill	SW-NW-28-46-21	40	6.00	240	40.00	200.00
12	Thos.Heikkala	SE-SW-28-46-21	40	6.00	240	40.00	200.00
13	G. Koski	NW-NW-26-46-21	40	6.00	240	40.00	200.00
14	M. Maki	SE-NE-26-46-21	40	6.00	240	40.00	200.00
15	Jno.Kankkari	SW-NW-26-46-21	40	6.00	240	40.00	200.00
16	J.Ruspakkin	W-4-NE-30-46-21	80	6.00	480	80.00	400.00
17	K.Kanppanen	SW-SE-22-46-21	40	6.00	240	40.00	200.00
18	Jacob Maki	NE-SW-36-46-21	40	6.00	240	40.00	200.00
19	M. Sippi	SE-NW-28-46-21	40	6.00	240	40.00	200.00
20	Oscar Linden	NE-NE-30-46-21	40	6.00	240	40.00	200.00
21	Otto Hautala	SE-NW-30-46-21	40	6.00	240	40.00	200.00
22	Victor Leminen	SE-NW-26-46-21	40	6.00	240	40.00	200.00
23	Jno.E.Erickson	NW-SE-20-46-21	40	6.00	240	40.00	200.00
24	Thos.Hallstrom	SW-NW-30-46-21	40	6.00	240	40.00	200.00
25	Jno. Krija	NW-SW-28-46-21	40	6.00	240	40.00	200.00
26	H.Hendrickson	NW-NW-36-46-21	40	6.00	240	40.00	200.00
	and that part of	SW-NW- N. of R.'W.					
		Munising R'y.	60	6.00	360	60.00	300.00
27	Peter Maki	NW-NW-20-46-21	40	6.00	240	40.00	200.00
28	M. Nykanin	SW-NE-26-46-21	40	6.00	240	40.00	200.00
29	Oscar Nyman	NW-NW-30-46-21	40	6.00	240	40.00	200.00
30	Jon.Swanson	NE-NW-28-46-21	40	6.00	240	40.00	200.00
31	Antti Jestila	NE-SE-20-46-21	40	6.00	240	40.00	200.00
32	Jno. Hill	SE-SW-36-46-21	40	6.00	240	40.00	200.00
33	Matti Lieppa	SE-NW-20-46-21	40	6.00	240	40.00	200.00
34	J. Kankkari	NE-NW-26-46-21	40	6.00	240	40.00	200.00
35	I. Matero	SW-SE-20-46-21	40	6.00	240	40.00	200.00
36	Jno. Kuakkanen	Se-NE-30-46-21	40	6.00	240	40.00	200.00
Totals,			1260		7560	1260.00	6300.00

Comparative Tax Statement, *Munising Company.*

Townships	Acres		Valuation		Amt. of Tax		Timber Value		Value per A.		Tax per A.		Taxes Mined		Tax per ton		Prof. Unpaid		
	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	
<i>Munising</i>	23972.94	23821.58	723.80	871.70	16.69	55.15	59.77												
<i>Che Train</i>	39647.78	35785.69	1142.35	1159.00	45.78	14.40	47.12												
<i>Limestone</i>	280	290	9.40	9.40	48.22	40.08													
<i>Rock River</i>	8082.98	6145.18	346.35	372.00	15.29	16.17	57.59												
<i>Quata</i>	8290.92	8218.98	410.00	412.00	10.18	69.87	3.85												
<i>Munising Village</i>			117.20	143.50	271.34	143.50													
	80274.62	74251.43	2748.10	2966.60	91.15	108.42	1.91												

Acres in Munising Village is not given because it is composed partly of Village Lots.

MUNISING RAILWAY COMPANY.

Statements follow showing condition of accounts.

They are not a fair comparison between the years 1901 and 1902 because the Land Department took charge and these accounts were turned over by Railway Department in August 1901.

As far as taxes are concerned the actual taxes accrued in 1901 amounted to \$3,822.59 and for 1902, \$3,800.54. It happened that the bulk of the taxes for both years were actually paid in 1902.

The village of Munising has every expectation of future prosperity, and next year should see a good movement in town lots and a much improved liquidation of delinquent payments on lot contracts.

MUNISING RAILWAY CO.

Land Department.

<u>RECEIPTS.</u>	1901	1902
Interest,	920.01	1154.89
Townsite Rentals,	105.00	97.50
Leased Lot Payments,	1243.89	137.50
Sales of Lots,	525.00	3428.71
Bills Receivable,	2466.50	3370.63
Misc. Receipts,		52.19
Sales Land,		250.00
Land Rents,		2.00
Total,	\$5260.40	8493.42

<u>- EXPENDITURES -</u>	1901	1902
Townsite Expense,	385.00	
" Taxes,	1025.70	7579.84
" Improvement,	919.45	2053.60
Reduction Lot Values,	1204.75	
Expenses,	30.20	1587.42 ✓
	1901	1902
Traveling,	21.70	114.29 9
Stry. & Printing,	8.50	21.40 2
Legal,		47.60 8
Miscellaneous,		103.51 5
Freight & Express,		10.10 5
Donations,		12.50 10
Salaries,		508.37 1
Surveying,		4.95 5
Postage,		5.30 3
Livery,		1.50 5
Fuel & Light,		2.00 5
Telep. & Teleg.		5.90 6
Trustee (J. Cowell),		750.00
Total Expenditures,	\$3,565.10	11220.86

Comparative Tax Statement, The Munising Railway Co.

Townships	Acres		Valuation		Out-of-Tax		Timber Value		Value for a.		Tax for a.		Tons Mined		Tax per ton		Amt. for
	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	1901	1902	
Skandia	40.00	40.00	160	160	950	875			400	400	212	218					
Munising			135290	138010	316519	247374											
Munising Village			134130	131805	64890	131805											
					382259	380054											

As to Munising Township and Munising Village, This is the Town Plat and is mostly Village lots, The Valuation is made by each Municipality so this appears twice and each Municipality collects its own taxes, so they may be added together to get total amount of taxes in the Village.

SKYWE & CO DAVENPORT

IRON-CLIFFS CO.

LAND DEPARTMENT.

INVENTORY.

NOVEMBER 30th.- 1902.