

Analysis of Deliveries of Scotch

spanning Nov. 30, 1901

	At Mines			At Lake Erie ports		
	Tons	Price	Amount	Tons	Price	Amount
December						3705 2100 456 1689907
January						3156 2160 456 1439576
February						3739 1640 456 1705317
March						1060 2120 3304 2140 456 1507060
April						3729 1240 456 1700676
May						2736 2160 456 1248055
June						7027 240 29 1140 456 13456
July						528 280 456 240825
Aug.						707 1660 1262 820 456 575638
Sept.						4120 2000 456 1879127
Oct.						3950 2200 456 1801647
Nov.						
						Previous years 30265 2200 456 13801284

Analysis of Deliveries of Lake Ore

year ending Nov. 30, 1901

	At Mine			at Presque Isle			At Lake Erie					
	Tons	Price	Amount	Tons	Price	Amount	Tons	Price	Amount			
December	3495	920	260	908806			9092	1870	400	3637133		
January	4684	790	260	1217931			3988	1630	400	1595493		
February	2861	300	260	743894			215	1400	400	86250		
March	4683	70	260	1217587			6474	340	400	2589659		
April	10992	1510	260	2858094			7573	1300	400	3029431		
May	5402	710	260	1404602			3861	2160	300	1158589		
	4325	930	200	865082 ⁺			871	1260	187	162982		
				197681			6292	2000	400	2517161		
June	5870	710	260	1526282			9602	20	300	2880601		
	2785	620	200	557055 ⁺			594	590	187	111127		
							2837	920	400	1134963		
July	8613	450	200	1722637 ⁺			9681	400	300	2904353		
	3601	1510	260	936435			2436	2060	400	974767		
August	16898	70	200	3379603 ⁺			15466	600	300	4639879		
	727	1030	260	189143			2272	120	400	908821		
Sept.	8328	850	200	1665674 ⁺	1537	-	225	345825	13212	1960	300	3963861
									2925	2100	400	1170375
Oct	10580	740	200	2116066	2887	-	215	620705	21016	780	300	6304903
									3399	940	400	1359766
Nov.	3624	1210	200	724916			19313	1620	300	5794121		
									485	2100	400	194375
Previous years	39023	1540	260	10146157			49461	710	3937	19472303		
1901 sales	58449	2020	200	11689969	4424		2185	966530	92154	820	300	27646307

Previous years 82485 10 3347 29618460
 1901 sales 155027 600 2593 40302806
 243512 610 2871 69921266

⁺ indicates 1901 contracts

Analysis of Lake Bessemer Ore

year ending Nov. 30, 1901.

	At Mine						At Lake Erie		
	Tons	Price	Amount	Tons	Price	Amount	Tons	Price	Amount
December							10626	1060	545 579 142.7
January							8128	1830	545 44 302.03
February							5198	1870	545 283 338.7
March							9079	740	545 49 482.34
April							6121	1010	545 33 361.88
May							10355	1900	545 56 439.37
June	2445	2210	3275	801	060	*	24854	1040	431 107 122.73
July	581	1830	3275	190	544	*	41279	1590	431 177 915.53
August	3027	1800		991	604		1750	750	545 9 539.45
Sept.							35692	830	431 153 834.06
Oct.							2317	320	545 12 628.42
Nov.							41453	1680	431 178 665.65
Previous years							1824	990	545 9 943.20
1901 sales	3027	1800	3275	991	604		32329	1340	431 139 340.35
							5135	500	545 27 985.79
							29390	750	431 12 667.23
							228	1580	545 12 46.44
							25597	410	431 110 323.86
							60766	350	545 331 177.06
							230597	1920	431 99 387.44
							291364	30	132505 1.55

Totals

Previous years	60766	350	545	331 177.06
1901 sales	232625	1480	4297	1003 790.53
	294391	1830	4534	1334 967.59

* indicates 1901 contracts

CLEVELAND IRON MINING COMPANY.

Comparative Statement of General Expense Accounts for five years
ending November 30th, 1901.

General & Mine Office.	1901	1900	1899	1898	1897
Superintendent	4135.62	4464.48	4423.26	3707.53	3174.71
Clerks	7049.52	8829.87	5181.01	4406.37	4151.35
Master Mechanic	2365.98	2276.09	1280.10	654.75	645.41
Watchman	1177.27	1598.60	1041.80	706.06	681.48
Choreman	168.04	171.60	157.93	118.43	109.62
Stationery & Printing	448.57	541.38	384.62	352.13	319.42
Telephones & Telegraph	459.51	423.55	354.95	220.53	175.66
Traveling	330.78	273.76	237.23	96.49	19.25
Fuel & Light	444.73	546.03	261.23	197.66	243.11
Water & Ice	65.84	35.50	20.25	20.83	23.00
Livery & Stable Exp.	858.33	863.12	583.38	543.00	34.00
Postage & Box Rent	93.25	139.60	81.80	84.56	62.80
Papers & Pedodicals	13.66	13.15	14.00	12.25	14.75
Freight & Express	26.69	24.14	19.95	15.18	11.25
Donations	446.99	950.33	97.03	578.79	156.93
Petty Office Expense	73.48	77.74	90.10	54.15	22.14
Exchange	421.00	592.00	308.00	253.00	188.00
Revenue Tax	50.28	256.87	239.89	124.74	
Miscellaneous	339.07	302.69	4.04		
Office Furniture & Fixt.	65.54	125.21	144.03	30.05	4.88
Legal	307.96	636.66	567.98	788.45	393.19
Advertising		15.00	15.00	27.50	26.25
Uncollectable Debts					31.69
Janitor	104.89	90.67			
Total	19447.00	23248.04	15507.58	12992.45	10488.89
<u>General Expense Accounts</u>					
Fire Insurance	854.63	958.84	666.14	678.28	801.22
Boiler Insurance	99.42	176.43	60.50	86.49	102.16
Taxes	21133.32	21850.91	19186.69	18327.15	20025.51
Engineering	2230.23	3033.62	1562.10	1639.74	1291.78
Analysis	4004.42	5002.17	3943.26	4311.10	3852.47
Relief Fund	2928.00	4175.20	2485.08	2044.91	1742.70
Total	31250.02	35196.97	27903.77	27087.67	27815.84
Grand Total	50697.02	58445.01	43411.35	40080.12	38304.73
Volunteer General Expense			1422.30		
Imperial " "			1184.57		
			<u>46018.22</u>		

CLEVELAND IRON MINING COMPANY

COMPARATIVE STATEMENT OF TAXES FOR YEARS 1901 AND 1900.

DESCRIPTION	1901		1900	
	VALUATION	TAXES	VALUATION	TAXES
<u>CITY OF ISHPEMING</u>				
E $\frac{1}{2}$ of Sec. 10-47-27 except that part thereof included in the C.I.M. Co's Addtn to the City of Ishpeming and that part known as the C.I.M.Co Nebraska Hill Location (Socalled) Except the rights of way of the C&NW Ry., LS&L Ry. & DSS& A Ry.Co. across said land in a NE-ly and SW-ly direction.	890000	15571.44	1312500	15457.29
W $\frac{1}{2}$ of W $\frac{1}{2}$ Sec. 11-47-27 except the rights of way of the DSS&A Ry. and LS&IRy. across said land in an E-ly and W-ly direction-about 140 A.	6000	104.97	3840	45.21
NW $\frac{1}{4}$ of NW $\frac{1}{4}$ of Sec. 2-47-27 38.92 A.	8100	141.76	5375	64.30
NE $\frac{1}{4}$ of NW $\frac{1}{4}$ of Sec. 2-47-27 38.60 A.	1600	28.01	1030	12.02
S $\frac{1}{2}$ of NW $\frac{1}{4}$ of Sec. 2-47-27 80 A.	4600	80.48	3050	35.89
Nebraska Hill Location Lots	67400	1179.70	44705	526.38
Personal - Moro Mine -	55566	972.18	289100	3405.00
Personal - Lake Mine -	385434	6743.53		
Hard Ore Location.				
Boats "PONTIAC" "FRONTENAC"				
"CADILLAC" "PIONEER"				
"CHOCTAW" "ANDASTE"				
"CHATTANOOGA" "FALCON"	120000	2099.52	+ 78400	923.31
Total City Taxes	1538700	26921.59	1738000	20469.40
Collection Fees -1%-		269.22		204.69
GRAND TOTAL		27190.81		20674.09
Rate (Not incl. fees)		1.75		1.177
Decrease over last year 11.5%	199300			
Increase over last year 23.9%		6452.19		
Amount of taxes as per statement Charged as follows:				
Moro Mine	215400	3804.25	683160	8126.08
Hard Ore Location	278510	4924.08		14
Lake Mine	910490	16089.21	966985	11502.08
Hematite Mine	14300	252.75	9455	113.33
Treasurer, Taxes on Boats	120000	2120.52	78400	932.54
Total City Taxes	1538700	27190.81	1738000	20674.09

+ 1900 Boats included only
 "PONTIAC"
 "FRONTENAC"
 "CADILLAC"
 "PIONEER"

CLEVELAND IRON MINING COMPANY.

Repairs to Dwellings not Rented, and Expense at Cottage for the Year

Ending November 30th, 1901.

<u>WM. G. MATHER'S COTTAGE</u>					
Doors and Windows			36.11		
Water Works			22.10		
Electric Light in Yard			107.22		
40 Gallon Boiler			16.50		
Furniture			8.73		
Fire Extinguisher			3.06		
Ashes			.39		
Barn			4.40		
Tools			1.47		
Roof			13.40		
Eave Troughs			1.00		
Pigeon House			17.95		
Stove Repairs			9.15		
Flower Boxes & Stands			6.79		
Furnace			7.19		
Shelves			13.60		
Total on Building				269.06	
<u>FUEL</u>					
10 tons Egg Coal	at	6.90	69.00		
1/2 " " "	"	7.00	3.50		
8 " Nut "	"	6.90	55.20	127.70	
<u>LIGHT</u>					
Dec. 1st, 1900 to Dec. 1st, 1901 at 3.00 per month				36.00	
<u>SUNDRIES</u>					
Choreman	10 months		421.57		
Ice for Season - Contract			30.00		
Telephone - County			15.00	466.57	
<u>CARE OF GROUNDS</u>					
As per Land Improvement Statement				339.58	
<u>GRAND TOTAL</u>					<u>1238.91</u>

CLEVELAND IRON MINING COMPANY.

Statement of Land Improvement for the Year Ending November 30th, 1901.

<u>WM. G. MATHER'S GROUNDS AT COTTAGE</u>			
Fences	37.38		
Planting Trees on Hill	73.32		
Cleaning up	1.39		
Landscape Gardner	10.40		
Painting & Lettering Stakes	15.66		
Gate Walls	19.09		
Cultivating Grounds	88.92		
Making Roads in Woods	23.50		
Grounds	69.92		
Total		339.58	
<u>M. M. DUNCAN'S GROUNDS AT RESIDENCE.</u>			
Cleaning Yard	19.63		
Field	23.76		
Garden	67.25		
Laying Pipe	11.98		
Landscape Gardening	10.40		
Tools	.54		
Fence	14.46		
Cutting Grass	4.80		
Total		152.82	
<u>GENERAL WORK</u>			
Cutting Wood	158.69		
Prize Awards, Best Kept Premises, etc.	196.40		
Photographing Do	74.95		
Fencing	81.86		
Repairing Road	1.38		
Jasper Street Road	.82		
Meadow Fence	33.69		
Whitewashing Fences	93.71		
Cutting Grass H. O. Office	8.59		
Landscape Gardening General Office	6.00		
Division Street Playground	366.85		
Jasper Street Alley	180.30		
Cleveland Avenue Sidewalks	178.39		
McKee's Yard	4.12		
Jasper Street Sidewalk	120.50		
Total		1506.75	
<u>LESS CREDITS</u>			
Sale of Wood	231.00		1999.15
Sale of Hay	25.00		
Total Credits		256.00	256.00
TOTAL LAND IMPROVEMENT, (LEDGER BALANCE)			1743.15



THE CLEVELAND-CLIFFS IRON CO.
INDEX
MISCELLANEOUS DATA

PIONEER FURNACE DEPARTMENT:

1	Comp. Statement of Pig Iron Cost Sheets	1
2	" " " Bessemer Pig Iron Cost Sheets	2
3	" " " Non-Bessemer " " "	3
4	Record of Chemical Plant No.1	4
5	" " " " " 2	55
6	Weekly Pig Iron Stock Report, Nov. 30th	6
7	" " " " " "	7
8	Pioneer Furnace Stock Accounts	8
9	Cost of Loading and Hauling Wood	9
10	Comp. Stmt. Gray Acetate of Lime Cost Sheets, Plant No.1	10
11	" " " " " " " " " " 2	11
12	" " Alcohol " " " " 1	12
	Cost Operating Portable Railway	13
14	Labor Statement	14
15	Detailed Statement of Shop Labor	15
16	Comp. Statement of Furnace General Labor Expenses	16
17	Statement of Fire Insurance	17
18	" " Charges to Rented Houses	18
19	Sales of Gladstone City Lots	19
20	Legal Expenses for Year	20
21	Land Purchases and Options	21
22	List of Unpaid Vouchers	22
23	Retort Improvement trial Balance	23
24	Recommendations for Making Inventory at Pioneer Furnace	24
— 25	Statement Showing Total Cost of Pioneer Furnace	25
26	Trial Balance	26
— 27	Statement of Constructions & Improvement Accounts	27
28	Comparative Statement of Taxes	28
29	Stmt. of Mileage made by C.C.I.Co. Cars on C. & N.W.	29
30	" Showing Cost of Stable Expense	30
31	Inventory of Horses, Carriages and Sleights	31
— 32	Stmt. of Costs & Amts Sunk Off & Cost Oprg. Naptha Launches	32
33	Cost of Naptha Launches	33
34	Comp Statement of Salary & Perquisites, A. Farrell	34
35	Statement of Salaries & Perquisites	35
36	" " Donations Made	36

37 Comparative Report, 1902-1904

Sale of Logs, Bark & Stumpage on Parsons Tract (See C.C.I.Co 1903 Miscel. File)

MINE DEPARTMENT:-

40	Ashland Mine Cost Sheet	40
41	Weekly Mine Report, Nov. 30th	41
42	" " " Apl. 30th	42
43	Statement of Expense at MAAS Mine	43
44	Summary From Labor Statements (All Companies)	44
45	Analysis of Improvement and New Construction	45
46	Record of Fire Insurance	46
47	Stnt. of Cost for Analysis, incldg. Stamping & Crushing (All Cos)	47
48	" @ Rented Houses, Ashland Mine	48
49	Cost of Diamond Drill Work, Ashland Mine	49
50	Stnt. of Barn Expense, Ashland and Hard Ore	50
51	Deliveries of Ore	51
52	Comp. Statement of Taxes	52
53	Inventory of Horses, Carriages & Sleighs	53
54	Comp. Statement of Salaries & Perquisites, M.M.Duncan	54
55	Stnt. of " " " All Companies	56
57	Report of Nationalities at the different Mines	57
58	Accident, Benefit & Suspense Fund, time Lost, Delays, etc. Stmts.	58
59	Ore Statements	59
60	Memoranda in Reference to Inventory	60
61	Memo. of Disposition of Accts. for Closing	61
62	Stnt. Showing Amt. & Cost of Coal Used & Lbs. Per ton of Ore	62
63	<i>Statement of Operations Accts., All Cos.</i>	
64	<i>" " Coal Expense</i>	
64 A	<i>Reconciliation of Inventory Accounts</i>	

LAND DEPARTMENT:-

65	Recommendations for handling farm accounts,	65
----	---	----

MISCELLANEOUS DATA:-

75	67	Figures Used in Making Up Engineers Fuel Statements	67
	68	Stnt. of Profit on Munising Ry. Deal	68
	69	" " Disbursements Acct. M. & S. E. Ry. Co.	69
	70	" " Coal Purchased	70
	71	Comp. Smt. of General Expense	71
	72	Copies of Reports Furnished U. S. Government	72
	73	Dunbar Furnace Account	73
	74	Data for Printed Annual Report	74

S T O C K U S E D

1901

ORE	TONS	PRICE	AMOUNT	COST PER TON	PERCENT OF ORE USED
Lake	42026.1388 ✓	2.706	113736.19 ✓	2.936	57.6
Salisbury	13673.1530 ✓	2.664	36425.42 ✓	.942	18.8
Cliffs Shaft	5537.0312 ✓	3.621	20050.07 ✓	.518	07.6
Foster	3062.1316 ✓	1.751	5362.48 ✓	.138	04.2
Section 12	1134.1358 ✓	1.752	1988.12 ✓	.051	01.5
Lake Bessemer	3027.1800 ✓	3.697	11197.94 ✓	.289	04.1
Angeline #1 H.	3666.1540 ✓	4.519	16569.47 ✓	.427	05.1
Tilden Silica	802.1270 ✓	1.326	1064.52 ✓	.028	01.1
Wood for- Thawing ore			207.60 ✓	.005	
Total:-	72931.1554	2.833	206601.81	5.334	100
Credit acc. years analy- sis of ore			560.27	.014	
	72931.1554	2.825	206041.54	5.320	
Limestone	3764.0650	.882	3320.81	.085	
Charcoal	3352044 Bus.	.0699	234176.47	6.044	

S T O C K U S E D

1900

 ORE TONS PRICE AMOUNT COST PERCENT OF
 PER TON ORE USED

LAKE	39788.1505	3.332	92790.91	2,429	54.9
Salisbury	16917.0890	3.229	37717.51	.988	23.6
Foster	2781.1323	1.428	3971.39	.103	3.8
Cliffs Shaft	8201.1502	3.813	23075.61	.604	11.3
Section 12	1115.0970	1.846	2060.00	.054	1.5
Bedford	829.0340	3.024	2507.21	.066	1.2
Lake Bessemer	1891.0760	4.472	8458.15	.221	2.6
#1 Hard Angeline	774.1510	5.300	4039.46	.105	1.0
Tilden Silican	144.1390	1.887	272.82	.007	0.1
<hr/>					
Total	72444.1230	3.400	174883.06	4.577	100.0
Limestone	4400.1546	.792	3485.59	.092	
Charcoal	3213995 Bus.	.0621	199815.54	5.229	

The Cleveland Cliffs Iron

Pitman Furnace

Comparative Statement of Pig Iron Cost Sheets for years 1900 & 1901

	Iron made 1901, 36,739 Tons				Iron made 1900, 38,711 Tons			
	Labor	Supplies	Total	Cost per Ton	Labor	Supplies	Total	Cost per Ton
<u>General Expense</u>								
Insurance		24550	24550	006	24000	24000	006	
Taxes		3719 12	3719 12	096	2802 81	2802 81	073	
Analyses	852 66	145 20	997 86	026	1670 57	362 62	1933 21	052
Salaries & Other Expenses	15437 39	1960 20	17397 59	372	11647 23	2455 53	14102 76	369
Total	12990 05	6070 07	19060 07	500	13257 80	5862 98	19120 78	500
<u>Maintenance</u>								
Inners & Yard	343 50	112 51	456 01	012	256 82	25 38	282 20	008
Trails & Dams	327 70	122 75	450 45	012	102 68	19 67	122 35	004
Buildings	367 40	588 80	956 20	025	222 02	382 22	604 24	016
Machinery	422 98	282 00	705 98	020	387 33	922 77	1310 10	034
Engines	56 27	259 68	316 95	009	52 26	237 11	289 37	007
Refrigerators & Renewals		3881 80	3881 80	100		3828 20	3828 20	100
Water Supply	81 78	86 62	168 40	002	46 28	26 21	72 49	002
Pig Iron Inners, Coal & On Buggies	525 31	83 27	608 58	015	232 03	27 69	259 72	007
Stores	69 81	1172 34	1242 15	002				
Total	2202 95	6590 97	8793 92	227	1303 84	5501 27	6805 51	178
<u>Operating</u>								
Machinery	2127 68	658 41	2786 09	073	2195 08	500 26	2695 34	071
Electric Light	268 88	86 63	355 51	009	527 57	111 27	638 84	017
Bottom Rollers	8527 55	126 52	8654 08	223	8760 58	58 11	8818 69	222
Top Rollers	2560 66	9 25	2570 11	066	2603 51	9 08	2612 59	068
Hauling Iron	4918 63	116 9	5035 72	129	4872 12	11 12	4883 24	128
Hauling Coaster	2971 80	207 59	3179 39	082	2957 87	356 21	3314 08	086
Mixing & Grading Iron	638 75		638 75	016	638 75		638 75	016
Foundry Kelps & Helpers	8953 28	1000	9953 28	232	8205 88		8205 88	215
Coal Boxes	8208 20	29 92	8238 12	215	8032 26	22 21	8054 47	211
Casting Tools	327 26	122 68	450 94	013	296 02	219 55	515 57	014
Band & Clay	790 22	492 32	1282 54	024	606 19	906 75	1512 94	039
Filleting	21 86	422 33	444 19	012		133 02	133 02	002
Wood	6 82	123 25	130 07	002	4 72	145 62	150 34	005
Refund % Iron grading		170 00	170 00	002				
Cleaning Stores					295 32	226 66	521 98	014
Total	40421 75	3022 00	43443 75	1122	39995 80	2802 21	42798 01	1119
<u>Steel Used</u>								
On		206041 54	206041 54	5220		174883 06	174883 06	4577
Charcoal		232176 27	232176 27	6022		199815 52	199815 52	5129
Limestone		322581	322581	085		328552	328552	082
Total		440879 81	440879 81	11427		378550 10	378550 10	9898
<u>Cost of Production</u>								
	55966 79	459216 81	515183 60	13200	54557 21	392250 95	446808 16	11695
<u>Depreciation</u>								
Construction accounts		19409 00	19409 00	500		19122 00	19122 00	500
Inventory accounts		6823 95	6823 95	176		11261 76	11261 76	298
Total		26232 95	26232 95	676		30503 76	30503 76	798
<u>Carries</u>								
		406 27	406 27	010				
Total		25826 28	25826 28	666				
<u>Total Cost on Yard</u>								
	55996 79	485073 29	541073 08	13966	54557 26	422852 71	477412 17	12293
<u>Loading & Switching</u>								
1901								
1900								
Loading Cars	16223	21677	946 00	500	951 00	059	1301 22	060
Switching	16223	21677	1145 19	103 21	2486 00	010	265 27	246 05
Total Loading Cars			1091 19	108 21	1199 60	074	1566 69	246 05
Loading Trucks	21623	18081	471 76	2228 63	2010 39	1204	196 21	2102 36
Grand Total	57529 72	487620 33	545150 07	14165	56320 36	425205 12	481525 28	12602
<u>Construction Acc'ts Not Paid off</u>								
Improvements			78719 77				98128 77	
			693 78				1518 13	
Total			79413 55				99646 90	
<u>Cost per Ton for Labor</u>								
				1485				1474
<u>Summary of Cost per Ton</u>								
Cost in yard as above	12 266	13 966	12 966	On 50'	12 493	12 493	12 493	On 50'
Cost to load on car		074	134	Coal 865		083	127	Coal 841
Total	12 266	14 040	14 100	3lux 218	12 493	12 576	12 620	3lux 257
<u>Commissions & Expenses Cleveland Office</u>								
	350	350	350		350	350	350	
Total Cost	14 316	14 390	14 450		12 843	12 926	12 970	

S T O C K U S E D

1901

O R E	T O N S	P R I C E	A M O U N T	C O S T P E R T O N	P E R C E N T O F O R E U S E D
Tilden Silica	717.2222	1.326	951.93	.217	09.7
Lake Bessemer	3027.1800	3.697	11197.94	2.561	40.8
Angeline #1 Hard	<u>3666.1540</u>	<u>4.519</u>	<u>16569.47</u>	<u>3.789</u>	<u>49.5</u>
Total	7412.1082	3.874	28719.34	6.567	100
Limestone	413.1990	.879	363.48	.083	
Charcoal	381551 Bus.	.0706	26938.00	6.160	

S T O C K U S E D

1900

O R E	T O N S	P R I C E	A M O U N T	C O S T P E R T O N	P E R C E N T O F O R E U S E D
Lake Bessemer	1891.0760	4.419	8458.15	5.126	67.3
#1 Hard Angeline	774.1510	5.187	4029.46	2.442	27.6
Tilden Silica	<u>144.1390</u>	<u>1.887</u>	<u>272.82</u>	<u>.165</u>	<u>05.1</u>
Total	2810.1420	4.540	12760.43	7.733	100
Limestone	153.1910	.841	129.39	.078	
Charcoal	129780 Bus.	.0664	8617.39	5.223	

The Cleveland Cliffs Iron Co.

Pioneer Furnace.

Comparation Statement of Reverse Pig Iron Cost Sheets, Years 1901-1900

	Iron Made 1901, 4273 Tons				Iron Made 1900, 1650 Tons				
	Labor	Supplies	Total	Cost per Ton	Labor	Supplies	Total	Cost per Ton	
General Expense.									
Insurance		2735	2735	006		892	892	006	
Taxes		27160	27160	064		12600	12600	076	
Analysis	7370	1508	8878	210	8715	2152	10867	066	
Warrants & other Expenses	133940	56671	160511	368	49800	9624	59424	360	
Total	141310	58024	199334	456	58515	25268	83783	508	
Maintenance.									
Tracks & Yards	1421	1126	2547	006	834	214	1048	006	
Swells & Back	1687	1148	2835	006					
Buildings	2575	4510	7085	016	1262	822	2084	013	
Machinery	9153	3543	12696	029	786	8223	9009	055	
Engines	1755	6918	8673	020	920	1118	2038	012	
Repairs & Renewals		43730	43730	100		16500	16500	100	
Water Supply	827	1413	2240	005	436	20	456	002	
Pig Iron Men, Coal & Ore Runners	6997	996	7993	018	850	535	1385	008	
Total	24455	63384	87839	200	4860	27622	32482	197	
Operating.									
Machinery	25271	5196	30467	070	9450	617	10067	061	
Electric Lights	2421	317	2738	006	2315	490	2805	017	
Bottom Sellers	95572	1046	96618	222	34655	323	34978	212	
Top Sellers	29252		29252	067	11020	92	11132	068	
Handling Iron	53333		53333	124	22425		22425	136	
Handling Under	33991	2335	36326	083	12150	622	12772	077	
Trucking & Grading Iron	7271		7271	016	3120		3120	019	
Scounders, Runners, Helpers	106110		106110	243	33105		33105	201	
Coal Sorters	94108	332	94440	216	33915		33915	205	
Casting Tools	3300	1357	4657	011	1012	2128	3140	019	
Sand & Clay	10422	9723	20145	046	1962	4821	6783	041	
Battering	912	4525	5437	012		617	617	004	
Troad					1233	922	2155	013	
Cleaning Floors									
Total	461982	24857	486839	1112	166384	10676	177060	1072	
Stock Used.									
Ore		2871934	2871934	6567		1276043	1276043	7733	
Charcoal		2692800	2692800	6160		861729	861729	5222	
Limestone		36348	36348	083		12929	12929	078	
Total		5602082	5602082	12810		2150272	2150272	13033	
Cost of Production.									
		627748	5728321	6276089	14580	229767	2214307	2440666	12812
Depreciation.									
Construction Act.		218650	218650	500		82500	82500	500	
Total		218650	218650	500		82500	82500	500	
Total Cost on Yard.									
		627748	5966991	6594739	15080	229767	2296827	2546566	15312
Loading Vessels.									
1901	1900								
4209	1397	6944	42330	51274	119	1000	13688	14688	105
Grand Total.									
		634692	6011321	6646013	15198	230757	2310495	2547254	15417
Cost per Ton for Labor									
					1447				1308
Summary of Cost per Ton.									
On Yard			On Yard		On Yard		On Yard		On Yard
Cost on Yards as above		15080		15080		15312		15312	
Cost to load as above				119	Ore 58 ¹			105	Ore 58 ¹
Total		15080		15199	Coal 87 ¹	15312		15217	Coal 76 ¹
Commissions & Expense, Cleveland Office.		350		350	344	350		350	344
Total Cost.		15430		15549		15662		15767	

S T O C K U S E D

1901

O R E	T O N S	P R I C E	A M O U N T	C O S T P E R T O N	P E R C E N T O F O R E U S E D
Lake	42026.1388	2.706	113736.19	3.310	64.1
Salisbury	13673.1530	2.664	36425.42	1.060	20.8
Cliffs Shaft	5537.0312	3.621	20050.07	.583	08.5
Foster	3062.1316	1.751	5362.48	.156	04.7
Section 12	1134.1358	1.752	1988.12	.058	01.7
Tilden Silica	84.1288	1.328	112.59	.003	00.2
Wood for Thawing Ore	<u> </u>	<u> </u>	<u>207.60</u>	<u>.006</u>	<u> </u>
	65519.0472	2.715	177882.47	5.176	100
Credit acc. Years Analy- ses of ore	<u> </u>	<u> </u>	<u>560.27</u>	<u>.016</u>	
	65519.0472	2.706	177322.20	5.160	
Limestone	3350.0900	.882	2957.33	.086	
Charcoal	2970493 Bus.	.0698	207238.47	6.030	

S T O C K U S E D

1900

O R E	T O N S	P R I C E	A M O U N T	C O S T P E R T O N	P E R C E N T O F O R E U S E D
Lake	39788.1505	2.332	92790.91	2.538	57.2
Salisbury	16917.0890	2.229	37717.51	1.032	24.3
Foster	2781.1323	1.428	3971.39	.110	03.9
Cliffs Shaft	8201.1502	2.813	23075.61	.631	11.7
Section 12	1115.0970	1.846	2060.00	.056	01.6
Bedford	<u>829.0340</u>	<u>3.024</u>	<u>2507.21</u>	<u>.068</u>	<u>01.3</u>
Total	69633.2050	2.328	162122.63	4.435	100
Limestone	4246.1876	.790	3356.20	.092	
Charcoal	3084215 Bus.	.0619	191198.15	5.229	

Pioneer Lignite

Comparative Statement of Pig Iron Costs - Non Receiver - for Years 1901 - 1900

	Iron Made 1901, 34366 Tons				Iron Made 1900, 36561 Tons				
	Labor	Supplies	Total	Cost per Ton	Labor	Supplies	Total	Cost per Ton	
<u>General Expense</u>									
Insurance		218.15	218.15	0.06	231.08	231.08	231.08	0.06	
Taxes		3247.50	3247.50	1.00	2678.81	2678.81	2678.81	0.73	
Analyses	778.96	130.12	909.08	0.27	1523.22	3211.22	1864.54	0.51	
Balances & other Expenses	11097.99	1693.99	12791.98	3.73	11149.23	2359.29	13508.52	3.69	
Total	11876.95	5289.78	17366.73	5.06	12672.65	5610.30	18282.95	5.00	
<u>Maintenance</u>									
Tracks & Cars	3220.99	101.25	4303.24	0.12	2482.8	3334	2817.2	0.08	
Wheels & Axles	3208.83	111.27	4320.10	0.13	1026.8	1967	1223.5	0.04	
Buildings	341.65	543.70	885.35	0.06	209.20	372.02	583.22	0.02	
Machinery	321.25	247.57	579.82	0.17	379.27	840.54	1220.01	0.34	
Saws	38.92	190.50	229.42	0.06	45.26	225.93	271.19	0.07	
Replacements & Renewals		3222.50	3222.50	1.00		3663.40	3663.40	1.00	
Water Supply	73.31	72.29	145.60	0.04	44.12	25.91	70.03	0.02	
Pig Iron Trucks, Coal & Car Buggies	455.34	73.51	528.85	0.16	225.83	222.27	268.17	0.07	
Stores	65.81	112.34	178.15	0.06					
Total	1960.40	5957.12	7917.52	2.30	1255.24	5225.05	6480.29	1.78	
<u>Operating</u>									
Machinery	1924.97	606.45	2531.42	0.72	2100.58	294.29	2594.87	0.71	
Electric Light	244.27	83.26	327.53	0.09	502.36	106.37	610.73	0.16	
Railroad Bills	7571.83	116.07	7687.90	2.24	8212.03	52.88	8268.91	2.33	
Doc. Bills	2268.14	9.25	2277.39	0.66	2293.11	8.16	2501.27	0.68	
Hauling Iron	4385.30	11.69	4396.99	1.28	4624.87	11.12	4638.99	1.29	
Hauling Lignite	2621.89	182.24	2804.13	0.82	2836.37	350.17	3186.54	0.86	
Hoisting & Grading Iron	566.04		566.04	0.17	607.55		607.55	0.16	
Boundaries, Keepers & Helpers	782.18	10.00	792.18	0.23	787.83		787.83	0.21	
Coal Bunkers	7367.12	36.60	7403.72	2.16	7693.11	24.21	7717.32	2.12	
Casting Tools	294.46	159.17	453.63	0.13	288.90	248.07	536.97	0.14	
Sand & Clay	686.00	895.89	1581.89	0.46	586.55	858.54	1445.09	0.39	
Sifting	12.72	377.08	389.80	0.11		126.80	126.80	0.03	
Wood	682	122.25	804.25	0.23	273	125.65	150.38	0.04	
Repair of Road Grading		170.00	170.00	0.05					
Cleaning Stores					282.99	217.22	500.21	0.05	
Total	35851.96	2792.49	38644.45	1.12	38331.98	2692.55	41024.53	1.12	
<u>Stock Used</u>									
Oil		17732.20	17732.20	5.16		16222.63	16222.63	4.43	
Charcoal		20728.47	20728.47	6.00		19119.15	19119.15	5.24	
Limestone		2962.23	2962.23	0.86		2356.20	2356.20	0.64	
Total		38752.90	38752.90	11.92		35697.98	35697.98	9.75	
<u>Cost of Production</u>									
	49689.31	101763.40	151452.71	13.76	52259.87	37000.88	89260.75	11.55	
<u>Depreciation</u>									
Construction Acct		17222.50	17222.50	5.00		18217.00	18217.00	5.00	
Inventory Acct		6823.95	6823.95	2.00		11367.76	11367.76	3.11	
Total		24046.45	24046.45	7.00		29678.76	29678.76	8.11	
<u>Credits</u>									
		406.47	406.47	0.12					
Total		23620.98	23620.98	6.88		29678.76	29678.76	8.11	
<u>Total Cost on Yard</u>									
	49689.31	125540.23	175229.54	13.84	52259.87	39986.64	125246.5	12.37	
<u>Loading & Switching 1901 - 1900</u>									
Loading Cars	16223	21677	946.00	5.00	1301.22		1301.22	0.60	
Switching	16223	21677	145.19	102.21	228.60	246.05	511.52	0.23	
Total Loading Cars			1091.19	108.21	1199.60	246.05	1812.74	0.53	
Loading Trucks	17314	16684	1403.32	1945.33	2397.65	18621	1967.48	2153.69	1.25
Grand Total	51182.82	127507.12	173689.94	13.92	51012.77	20710.12	156112.94	12.47	
<u>Construction Acct Not Paid Off</u>									
Improvement			78719.77				98128.77		
			693.76				1518.13		
Total			79413.53				99646.90		
<u>Summary of Cost per Ton</u>									
	On Yard	On Cars	On Tracks	Yard	On Yard	On Cars	On Tracks	Yard	
Cost in Yard as above	13.824	13.824	13.824		12.367	12.367	12.367		
Cost to Load		0.74	28	On 5%		0.88	1.29	On 5%	
Total	13.824	13.898	13.962	Cost 8%	12.367	12.450	12.496	Cost 8%	
<u>Communications & Expenses Overhead Office</u>									
	350	350	350	3.50	350	350	350	3.50	
Total Cost	14174	14248	14300		12717	12800	12846		

Record of Chemical Plant. #/

The Cleveland-Bluffs Iron Company,
Pioneer Furnace.

Pyroligneous Acid.										Neutralized liquor.										95% Refined Alcohol.						Wood Burned.		Ref. Alcohol per bbl.				Gallons of Waste.							
Total yield in gallons per month.		Yield in 1901		No of Hums. Rectified in 1901		Rectified in 1900		No of 95% Alcohol in 1901		No of Hums. Rectified in 1901		Rectified in 1900		No of 95% Alcohol in 1901		Rectified in 1900		No of Hums. Rectified in 1901		Rectified in 1900		No of 95% Alcohol in 1901		Rectified in 1900		No of Hums. Rectified in 1901		Rectified in 1900		No of 95% Alcohol in 1901		Rectified in 1900		No of Hums. Rectified in 1901		Rectified in 1900			
Dec.	584	1000	750	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
Jan.	780	1000	750	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
Feb.	770	1000	750	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
Mar.	720	1000	750	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
Apr.	720	1000	750	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
May.	720	1000	750	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
June.	720	1000	750	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
July.	720	1000	750	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
Aug.	720	1000	750	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
Sept.	720	1000	750	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
Oct.	720	1000	750	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
Nov.	720	1000	750	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
Dec.	720	1000	750	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
Total		7200		7200		7200		7200		7200		7200		7200		7200		7200		7200		7200		7200		7200		7200		7200		7200		7200		7200		7200	

Note: Wood consumed, 1900 Prod. Distilling process, the yield of 95% alcohol per bush of wood = 3.52 gallons

Handwritten notes and calculations at the bottom right of the page, including a large circled number '1177' and various scribbles.

Record of Chemical Plant No. 2.

The Cleveland-Cliffs Iron Company.
Pioneer Furnace.

	Neutralized Liquor.										95% Alcohol.				Wood carbonized.		Ref Alcohol per lb.			Acetate of Lime.		Remarks.	
	Amount in Gallons Neutralized Monthly	Amount in Gallons per Week	No. Tons of Sulfur	% of 95% Alcohol in Neutral Liquor	Amount in Gallons Monthly	Amount in Gallons Weekly	No. Tons of Sulfur	Loss in lbs.	% of 95% Alcohol in Neutral Liquor	Get. Amount from Sales Monthly	Get. Amount Actual Yield Monthly	Get. Amount Actual Yield Daily	Loss in lbs. Monthly	Number of Cords	Number of Cords	Get. Amount Calculated from Sales	Get. Amount Actual Yield	Loss in lbs.	Number of Cords	Yield per Cord.			
Jan	129000	6450	306	30	4230	125800	690	37	160	99.02	5547	6448	322	90	160	622	30	8.88	10.10	52.52	2104	786	Large Yield due to incomplete Refining.
Feb	176300	6200	249	21	4200	173200	693	51	99	98.42	7052	7809	279	75	1073	768	27	9.18	10.10	52.52	3261	119	
Mar	292400	9230	238	68	379	289000	932	85	110	98.83	11081	11063	352	12	162	1228	39	9.02	9.01	50	4893	123	
April	305300	10170	219	71	409	304600	10087	89	90	99.11	12436	13190	439	70	562	1392	43	8.97	9.27	50	5211	113	
May	295600	9430	197	68	401	289000	932	85	110	98.83	11486	10822	349	66	560	1483	48	7.90	7.30	60	5278	110	Low Yield due to Leaking Retorts.
June	167700	5590	200	39	341	166700	5566	29	32	99.39	5718	4366	125	125	366	836	28	6.82	5.22	162	3102	122	
July	232200	7490	122	54	357	231200	7458	68	32	99.59	8150	8034	259	126	524	1176	38	6.92	6.83	10	3539	92	
Aug.	159100	5130	227	37	301	156400	5045	46	81	98.34	4788	3396	109	129	2907	700	24	6.82	4.85	199	2893	128	
Sept.	159100	5203	218	37	371	156400	5213	46	90	98.80	5902	4785	159	117	2891	729	24	8.09	6.57	153	2696	110	
Oct.	258000	8220	231	60	365	255000	8226	75	90	98.82	9417	8301	268	1116	1185	1112	36	8.25	7.45	100	4206	1226	
Nov.	283800	9460	230	66	326	282200	9406	83	54	99.22	8968	7658	255	1310	1460	1233	41	7.27	6.21	106	5282	1309	
	223207	7553	217	52	369	220700	7465	65	88	98.33	8230	7806	267	216	826	1026	35	8.03	7.56	107	3949	1137	

Note: Plant started Jan 15th, 1901. Owing to the continuous running of the Rumson Still, a record of Grain Liquor could not be obtained. The results of several careful experiments showed that the average Grain Liquor per cord of wood was 220 gallons. On this basis we purposed to estimate the amount of Grain Liquor from the no. of cords carbonized, but the leaking of the retorts made these results unreliable. The theoretical yields per cord of wood are based on analyses of Neutralized Liquor.

Acetate content = 8.35 lbs. Including vinegar the yield of acetate of lime per cord of wood = 112.6

THE CLEVELAND-CLIFFS IRON CO.

PIONEER FURNACE.

PIG IRON STOCK REPORT FOR THE WEEK ENDING

November 30th

1901

H. Niedecken Co., Mfg. Stationers, Milwaukee, Wis. 152

PIG IRON GRADES	Total For Week	Previous For Month	Total For Month	Over and Short	Total from Dec. 1, 1900	Transfers	In Stock Dec. 1, 1900	Total	Shipped since Dec. 1, 1900	Balance On Hand
A Scotch					497	16 ✓		481 ✓	481 ✓	
B Scotch		20	20		646	21	5	672 ✓	672 ✓	
C Scotch		100	100		900	39	47	908 ✓	849 ✓	59
No. 1 Special		72	72		1608	34 ✓	20	1662 ✓	1601 ✓	61
No. 1 Foundry	78	249	327		4963	2 ✓	28	4993 ✓	4888 ✓	105
No. 2 Low	193	87	280		4357	161 ✓	17	4213 ✓	4174 ✓	39
No. 2 High	342	102	444		4262	35 ✓	58	4355 ✓	4208 ✓	147
No. 3 Low	315	279	594		5632	22 ✓		5654 ✓	5411 ✓	243
No. 3 High	4	290	294		2935	13 ✓	65	2987 ✓	2707 ✓	280
No. 3 Malleable	34	156	190		896	28 ✓		868 ✓	688 ✓	180
No. 4 Cylinder										
No. 4 Low	4	261	265		1923	29 ✓	7	1959 ✓	1932 ✓	27
No. 4 High		201	201		2475	24 ✓	18	2469 ✓	2373 ✓	96
No. 4 Malleable										
No. 5		180	180		1510		45	1555 ✓	1513 ✓	42
No. 6		152	152		1841			1841 ✓	1830 ✓	11
Spotted										
Castings										
Bessemer 3 High					19		22	41 ✓	22 ✓	19
Bessemer Spl					4301	8 ✓		4309 ✓	4309 ✓	
Bessemer 4 Low					45	12	51	84 ✓	52 ✓	32
" 3 Mall					8	8 ✓				
" 2 High							40	40 ✓	40 ✓	
" Lined							25	25 ✓	25 ✓	
1 Spl by						125 ✓		125 ✓	125 ✓	
3 " "						25 ✓		25 ✓	25 ✓	
Total at furnace	970	2149	3119		38818		448	39266	37925	1341
Short broken lake parts and remaining parts					72			72	72	
TOTAL	970	2149	3119		38768		448	39216	37875	1341
					38739			39187	37846	

THE CLEVELAND-CLIFFS IRON CO.-PIONEER FURNACE.

STOCK REPORT FOR THE WEEK ENDING

November 30th 1901

1901

			Total for Week	Previous for Month	Total for Month	Total from Dec. 1st, 1900	In Stock Dec. 1st, 1900	TOTAL	Shipped or used since Dec. 1st, 1900	Balance on hand
ORE.	Lake	Ore,			3553 ⁴³⁰	40270 ⁷⁸⁰	5439 ¹⁷⁰⁰	45710 ²⁴⁰	42026 ¹³⁸⁸	3683 ¹⁰⁹²
	Lake	"								
	Lake Bessemer	"				3027 ¹⁸⁰⁰		3027 ¹⁸⁰⁰	3027 ¹⁸⁰⁰	
	Salisbury	"			1200 ¹⁹²⁰	14743 ¹⁵⁷⁰	2006	16749 ¹⁵⁷⁰	13673 ¹⁵³⁰	3076 ⁴⁰
	Salisbury	"								
	Foster	"			584 ¹⁶¹⁰	4653 ⁸⁴⁰	1196 ¹⁴⁰⁰	5850	3062 ¹³¹⁶	2787 ⁹²⁸
	Cliffs Shaft	"			788 ⁷⁸⁰	6352 ¹³⁰⁰	3448	9830 ¹³⁰⁰	5540 ¹¹²	4290 ¹¹⁵⁸
	Section 12	"				733 ⁵¹⁰	337 ¹¹⁰⁰	1070 ¹⁶¹⁰	1070 ¹⁶¹⁰	
	Angelina #1 Hard					3666 ¹⁴⁰		3666 ¹⁴⁰	3666 ¹⁴⁰	
	Jelden Silica					802 ¹²⁷⁰		802 ¹²⁷⁰	802 ¹²⁷⁰	
	Peabic Ore still due - 561				1140					
		TOTAL.			6127 ⁶⁰	74280 ⁵⁰	12427 ¹¹⁶⁰	86707 ²⁰¹⁰	72870 ¹⁰⁰⁶	13837 ¹⁰⁰⁴
WOOD.	Cords of Wood in Furnace Yard,				179 ¹⁶	1715	312	2027	1713	314
	" " " Furnace Kilns,				3490 ²⁸	40284 ⁰⁴	3214	43498 ⁰⁴	40828 ⁰⁴	2670
	" " " Furnace Retorts,				1135	10713		10713	10713	
	" " " at Ford River,					4263 ⁰⁴		4263 ⁰⁴	1864 ⁰⁴	2399
	" " " Felch Mountain,					1791 ²⁰	313	2104 ²⁰	835 ²⁰	1269
	" " " Section 27,						232 ⁰⁴	232 ⁰⁴		232 ⁰⁴
	" " " Parsons Job,				683 ²⁴	29839 ²⁰	41467 ⁰⁸	71306 ²⁸	46193 ²⁸	25113
	" " " Mathews Job,				1193 ⁰⁴	29819 ¹²	118264 ²⁴	48084 ⁰⁴	6385 ¹⁶	41698 ²⁰
	" " " Munising East Br. Job,				5449 ⁰⁴	30166 ¹⁶		30166 ¹⁶		30166 ¹⁶
	" " " " West "				257 ²⁰	257 ²⁰		257 ²⁰		257 ²⁰
	" " " St. Jacques & E. Lake					1179 ²⁴	191	1370 ²⁴	1370 ²⁴	
	" " " Along Whitefish Bay					458 ²⁰		458 ²⁰		458 ²⁰
	" " " Parson's Bay					63 ¹²		63 ¹²		
		TOTAL.			12389	150551 ²⁴	63994 ⁰⁴	214545 ²⁸	109967 ¹²	104578 ¹⁶
Charcoal,	Bushels,				276537	3368516	32000	3400516	3352376	48140
Limstone,	Tons,					3414 ¹³⁹⁰	1611 ²⁰⁰⁰	5026 ¹¹⁵⁰	3764 ⁶⁵⁰	1262 ⁵⁰⁰
Alcohol,	Plant No. 1, Gallons,				11186	143213	5233	148446	143179 ^{1/2}	5266 ^{1/2}
Alcohol,	Plant No. 2, Gallons,				7658	85872		85872	73008	12864
Acetate of Lime,	Plant No. 1, Pounds,				130089	1718670	4627	1723297	1664997	58300
Acetate of Lime,	Plant No. 2, Pounds,				161471	1301613		1301613	1160667	140946

THE CLEVELAND-CLIFFS IRON CO.

PIONEER FURNACE.

COST OF LOADING AND HAULING *Woods,*

Year

190

LOADED AND HAULED THIS MONTH, _____ CORDS.

LOADED AND HAULED *12* MONTHS, *18585 7/8* CORDS.

	Labor	Supplies	Total	Cost per Cord	
				1 MonthMos.
TEAMING—					
Teamsters,	2559 43		2559 43		137
Teamsters' Helpers,	1433 53		1433 53		077
Swampers,	2401 36		2401 36		129
Foreman,	564 40		564 40		030
Loading Platform,					
<i>Hired Teams</i>		9 00	9 00		001
Total,	6956 72	9 00	6965 72		374
ROADS—					
Making and Maintaining,	179 69	16 66	196 35		011
Greasing Skids,					
Skid Grease,					
Total,	179 69	16 66	196 35		011
BARN—					
Hay,		973 00	973 00		053
Oats,		1102 59	1102 59		059
Feed and Bran,		2673	2673		002
Shoeing and Shoes,		159 30	159 30		007
Harness, Wagons, Oils, Grease,		60 07	60 07		003
Horse Medicine,		39 03	39 03		002
<i>Water Supply</i>	42 90		42 90		003
<i>Transportation of Horses & Supplies</i>		68 15	68 15		004
Total,	42 90	2418 87	2461 77		133
REPAIRS OF—					
Wagons and Jumpers,	7 45	37 84	45 29		002
Sleighs,	42 33	21 92	64 25		003
Harness,		20 12	20 12		001
Total,	49 78	79 88	129 66		006
<i>Depreciation of Equipment</i>		435 87	435 87		024
Total Cost on Cars One Month,					
“ “ “ “ “	7229 09	2960 28	10189 37		528
<i>Work done for Parsons Ry.</i>		247 06	247 06		013
Total,	7229 09	2713 34	9942 31		535

The Swanland Cliffs Wood Co.
Central Vermont

Comparative Statement of Gray Aerials of Lumber Costs etc

Plant #1

	Production for Year 1901 - 1718670 Lb.			Cost per 100 Lb.	Product Average
	Labor	Supplies	Total		
<p><u>General Expense</u></p> <p>Office Expenses 16 44 16 44 001</p> <p>Analysis 106 60 19 86 126 46 007 86</p> <p>Fire Insurance 12 33 12 33 001</p> <p>Total 106 60 48 63 155 23 004 86</p>					
<p><u>Maintenance</u></p> <p>Building 22 94 10 47 33 41 002 5</p> <p>Fuels 92 05 12 07 104 12 006 37</p> <p>Ovens 49 68 11 13 60 81 003 63</p> <p>Total 164 67 33 67 198 34 011 106</p>					
<p><u>Operating</u></p> <p>Baking 1307 35 18 23 1325 58 080 1939</p> <p>Skimming 1579 14 2 50 1581 64 091 1251</p> <p>Finishing 86 91 86 91 005 73</p> <p>Fuel 135 35 978 86 1114 21 064 75</p> <p>Electric Light 36 32 11 23 47 55 001 29</p> <p>Total 3145 07 1010 82 4155 89 242 3368</p> <p>Cost of Production 3416 34 1093 12 4509 46 262 3561</p>					
<p><u>Depreciation</u></p> <p>Improvement Account 728 79 728 79 043</p> <p>New Construction 125 40 125 40 007</p> <p>Total 854 19 854 19 050</p> <p>Total Cost 3416 34 1947 31 5363 65 312 3561</p>					
<p><u>Loading & Switching</u></p> <p>Sacks 1718670 Lb. 1769908 Lb. 872 84 872 84 051</p> <p>Loading 1664997 " 1871644 " 126 04 126 04 007 181</p> <p>Switching 1664997 " 1871644 " 14 48 11 68 26 16 002 34</p> <p>Storing 1718670 " 1769908 " 168 19 36 77 204 96 012 165</p> <p>Total 308 71 421 29 1230 00 072 381</p>					
<p>Total Cost on Cars 3725 05 2868 60 6593 65 384 3942</p>					
<p>Improvement Account not carried off 0 0 0</p> <p>Construction Account not carried off 627 94</p>					
<p>Yield per cord of wood 426</p>					

THE CLEVELAND CLIFFS IRON CO.

PIONEER FURNACE.

Gray Acetate Cost Sheet. Plants 1+2 Month of Year 1901

	Production this month	lbs.	Average per day	lbs.
	Production 12 months	1301613	lbs.	Average per day
			4190	
LABOR SUPPLIES TOTAL				
COST PER 100 LBS.				
1 Mo. 12 Mos.				
GENERAL EXPENSE				
Office Expense		15 24	15 24	001
Analysis	91 97	18 25	110 22	009
Fire Insurance				
Total	91 97	33 49	125 46	010
MAINTENANCE				
Building	1 17	04	1 21	000
Tanks	27 81	13 18	40 99	005
Ovens	1 80	30	2 10	000
Machinery	53 79	38	64 17	004
Repairs	1 87	11 00	12 87	001
Total	86 14	24 90	111 04	010
OPERATING				
Raking	740 84	18 09	758 93	058
Skimming	922 61	2 50	925 11	071
Engines	404 86	2 55	407 41	021
Firing	405 94	3 54	409 48	022
Fuel	173 80	62 81	646 61	497
Electric Light	32 70	9 82	42 52	003
Machinery	53 81	71 68	125 49	008
Total	2724 56	62 89	9124 04	700
Cost of Production	2912 67	6447 87	9360 54	720
DEPRECIATION				
Improvement Account		432 25	432 25	033
New Construction Account				
Total		432 25	432 25	033
Total Cost	2912 67	6880 12	9792 79	753
LOADING AND SWITCHING				
Sacks	1301613 lbs.	4 00	813 78	817 78
Loading	1160667 lbs.	77 23	1 14	78 37
Switching	1160667 lbs.	6 26	4 52	10 78
Storing	lbs.			
Total		87 49	819 44	906 93
Total Cost on Cars 1 Month				
Total Cost on Cars 12 Months	3000 16	7699 56	10699 72	823
Construction Account not sunk off		7521 15	7521 15	
Improvement " " "				
Yield per Cord of Wood				114 6
Smoke Rec'd from.....Cords, 1 Mo.				
" " " 11256 3/4 " 12 Mos.				
Average Cost per 100 lbs Plants 1+2				573

The Cleveland Cliff Iron Co.
 Pioneer Mine

Comparative Statement of Required Allocated Cost Shares for years 1900 & 1901.

	Gallon reduced year 1901 143213				Gallon reduced year 1900			
	Labor	Supplies	Total	Cost per Gallon	Labor	Supplies	Total	Cost per Gallon
<u>General Expense</u>								
Office Expenses		29 57	29 57	0 00		42 57	42 57	0 00
Fire Insurance		1375 20	1375 20	0 10		1375 20	1375 20	0 10
Auditors	539 60	118 00	757 60	0 05	519 84	106 84	626 68	0 04
Janitor		867 28	867 28	0 06		561 00	561 00	0 04
Total	639 60	2270 06	3029 66	0 21	519 84	2085 61	2605 45	0 18
<u>Maintenance</u>								
Fuels & Oils	588 60	692 70	1281 30	0 09	717 05	503 79	1220 84	0 09
Consumers	68 44	58 99	127 43	0 01	202 84	1347 15	1549 99	0 10
Machinery	50 87	10 75	61 62	0 01	302 72	838 89	1041 61	0 07
Bolts	291 71	209 18	500 89	0 03				
Tanks & Pumps	63 34	114 62	178 01	0 01	93 75	59 49	153 24	0 01
Motor Rooms	352 36	158 64	511 00	0 04	236 81	344 32	581 13	0 04
Buildings	289 60	215 44	411 14	0 03	157 15	100 12	258 27	0 02
Water Supply	4 50		4 50	0 00		565 00	565 00	0 04
Cleaning off	16 82		16 82	0 00				
Total	1726 34	1396 41	3122 80	0 22	1610 55	3765 31	5375 81	0 37
<u>Operating</u>								
Superintendent	937 50		937 50	0 07	1500 00		1500 00	0 10
Assessors	4355 12	26 59	4381 71	0 30	4059 49	174 71	4234 20	0 28
Engineers	1409 75	309	1412 84	0 10	2755 62	3 68	2759 20	0 18
Firemen	1336 83	200	1339 35	0 09				
Machinery	32 37	287 37	319 74	0 02	232 44	156 04	388 48	0 03
Boiler	214 87	10 68	225 55	0 02				
Fuel	658 19	5428 04	6086 23	0 42	340 78	3646 71	3987 49	0 27
Electric Light	217 80	57 18	288 98	0 02	175 87	27 11	202 98	0 01
Trains		4064 40	4064 40	0 29		4373 80	4373 80	0 30
Chemicals		259 05	259 05	0 02		240 82	240 82	0 02
Hoist		40 00	40 00	0 00				
Total	7162 26	12188 90	19351 36	1 35	9564 20	8632 82	18197 02	1 24
Cost of Production	11528 40	13975 42	25503 82	1 77	11694 59	14482 69	26177 28	1 79
<u>Improvements</u>								
Construction Account		4057 60	4057 60	0 32		4057 60	4057 60	0 31
Improvement Account		2542 21	2542 21	0 17		968 36	968 36	0 06
Total		7099 81	7099 81	0 49		14195 96	14195 96	0 97
Supply % 10 man		55 22	55 22	0 00		54 55	54 55	0 00
Total		7044 59	7044 59	0 49		14141 41	14141 41	0 97
Total Cost	11528 40	21020 01	32548 41	2 27	11694 59	28628 10	40319 69	2 76
<u>Loading & Shunting</u>								
Banker 143132 1/2	145988 1/2							
Banker		4443 20	4443 20	0 31		4348 85	4348 85	0 30
Loading 143132 1/2	145988 1/2	143 33	143 33	0 01	136 37	78	137 15	0 01
Shunting 143132 1/2	145988 1/2	14 79	11 88	0 00	32 74	39 59	62 33	0 00
Total	156 17	4455 08	4611 25	0 32	169 11	4279 22	4548 33	0 31
Total Cost on loan for year	11686 57	25475 09	37161 66		11863 70	33004 32	44868 02	
Cost per gallon for year				0 27				0 27
Construction % not amount off			18229 96				22787 56	
Improvement % not amount off			380 00				2162 21	
Costs Paid from 40347 Cost 190								
Costs Paid from 42444 = 1900								
Yield of Wheat for cost of Wood				5 54				3 44
Yield of Cynodigran Weed for cost of Wood				2 21				2 01

THE CLEVELAND-CLIFFS IRON CO.

PIONEER FURNACE.

COST OF OPERATING PARSONS PORTABLE RY. Year 1901

WOOD HAULED Mo. CORDS.
 WOOD HAULED 1 1/2 Mos. 32723 CORDS.

	LABOR	SUPPLIES	TOTAL	COST PER CORD	
				Mo.	Mos.
ENGINE—					
Engineers,	59250	650	59900		018
Brakemen,	42040		42040		013
Fuel,	9565	78809	88374		027
Repairs,	9493	20443	29936		009
Oil and Waste,		3495	3495		001
Water Supply,	4187		4187		001
<i>Divman</i>	2890		2890		001
TOTAL,	127445	103197	230642		070
TRACKS—					
Making and Maintaining,	250043	15517	265560		081
Track Foreman,	45000		45000		014
Team Labor,	26206		26206		008
TOTAL,	321249	15517	336766		103
GENERAL EXPENSE—					
Traveling,		3580	3580		001
Stationery and Printing,		1973	1973		001
Depreciation,		61356	61356		019
TOTAL,		66909	66909		021
Total Cost on Cars One Month,					
“ “ “ “ <u>1 1/2</u> Months,	448674	185623	634297		194

	No. Men	No. Days	Earnings	Rate Per Day		No. Men	No. Days	Earnings	Rate Per Day		
				1900	1901				1900	1901	
FURNACE--						MISCELLANEOUS--					
Engineers,	2	2	224.8	112.4	195	1	1	365	600.00	164	164
Firemen,	1	1	363.2	653.86	180	2	2	727.8	1556.59	173	173
Founders,	2	2	730	2400.00	329	1	1	412.8	986.82	239	239
Keepers,	2	2	737.5	1527.85	210	1	1	392.2	589.97	150	161
Helpers,	6	7	2679.9	2855.25	182	6	5	1617.2	3950.09	244	218
Top Fillers,	4	4	1263.6	2560.96	175	5	5	1373.1	2128.48	155	
Bottom Fillers,	14	14	5145.8	8562.98	166	8	7	2333.8	5012.74	224	214
Cinder Snappers,	4	4	1598.7	2714.61	170	1	1	362.6	861.26	226	225
Iron Grader,	1	1	365	638.75	175	1	1	357.6	811.60	226	210
Iron Handlers,	7	7	2550.1	4980.10	195	1	1	380.2	761.79	200	195
Coal Forkers,	10	11	4024.5	6999.26	172	1	1	365	990.90	271	280
Coal Car Pushers,	2	2	725.1	1219.71	164	16	13	4462.4	6833.70	153	150
Sand Man,	1	1	349.4	611.40	175	1	2	730	965.00	132	132
						2	2	701.6	172.75	170	170
						5	3	387.4	961.72	400	345
						6	3	431.7	1247.10	172	176
						1	13	588.18	1009.63	171	175
									32.85	182	
Total,	56	59	21482.6	39166.13	183	54	60	15308	30213.56	197	201
CHEMICAL PLANT, No. 1--						CHEMICAL PLANT, No. 2--					
Stillmen,	5	5	1484.9	3372.12	189	4	4	1432.7	2682.48	187	
Engineers,	2	2	730.5	1433.10	196	2	2	640	1211.18	189	
Firemen,	2	2	745.1	1344.08	180	2	2	637.6	1152.54	180	
Laborers,	2	2	609.6	1021.45	167	1	1	296.2	523.20	183	
Total,	11	11	3670.1	7170.75	185	9	9	3009.2	5889.10	185	
ACETATE PLANT, No. 1--						ACETATE PLANT, No. 2--					
Rakers,	2	14	547.9	1289.92	235	1	1	323.5	689.67	213	
Skimmers,	2	2	909	1594.48	175	2	2	526.3	921.39	175	
Total,	4	4	1456.9	2884.40	198	3	3	849.8	1611.06	189	
KILNS--						RETORTS--					
Colliers,	2	2	730	1392.00	191	1	1	331	708.80	214	
Whitewashers,	2	2	742.5	1191.65	160	4	4	1312.2	2385.60	181	
Packers,	11	12	4474.3	8445.27	189	1	1	318.2	541.90	170	
Packer Foreman,	1	1	365	696.00	190	5	5	1660	2824.68	170	
Kiln Cleaners,	1	1	365	602.24	165	1	1	139.6	236.10	165	
Breezeman,	1	1	362.5	601.40	165	1	1	322.1	525.87	163	
Total,	18	19	7061.3	12928.56	183	13	13	4683.3	7222.51	177	
PARSONS WOOD JOB--						MATTHEWS WOOD JOB--					
Foreman and Measuring,	2	2	424	1120.54	277	2	1	330.3	822.07	255	273
Chopping 29839 7/8 Cords,	118	65	1992.1	23889.55	119	72	69	2109	23853.50	109	116
Water Supply	1	3	44	76.30	175	1	1	82.9	141.27	170	
Total,	122	73	20452.8	25195.47	123	74	72	22158.2	24902.1	112	
PARSONS PORTABLE RY.						MATTHEWS LOADING JOB--					
Engineers,	1	1	210.5	601.25	250	1	1	86.3	170.63	190	
Brakeman,	1	1	230.5	441.90	191	4	6	501.5	937.55	170	
Track Foreman,	1	1	227.7	429.50	209	4	6	461.6	782.89	170	
Trackmen,	9	9	1723	2928.95	170	4	5	354.3	602.14	170	
Water Supply	1	1	16	272	170	2	2	128.8	253.10	170	
Total,	13	13	2436.3	4481.52	183	15	20	1602.5	2728.31	171	
MUNISING WOOD JOB--East						OFFICE PAY ROLL--					
Foreman and Measuring,	1	1	293	629.02	214	8	8	2660	16459.91	619	602
Chopping 30,166 7/8 Cords,	63	63	14416.4	24133.20	167	Total not including Wood Job, 151 Job, 186 59781.2 12324628 206					
Fire Protection,	4	4	75.3	129.86	172	Total Wood Job, 212 27962368.5 869276 135					
Total,	68	68	14784.7	24892.08	169	Grand Total Pay Roll, 363 265 24447 2102204 169 168					
Munising Wood Job--West						Parsons Loading Job					
Boorman	1	1	36	50.00	192	1	1	204.5	367.90	180	
Chopping 257 7/8 Cords	17	17	308	206.10	67	5	5	861.7	1528.18	177	
Total,	18	18	334	256.10	76	5	5	965.5	1646.34	170	
						3	3	540.7	921.15	170	
						1	1	267	442.00	170	
						1	1	16	272	170	
						15	15	2600.0	4500.37	173	

	No. Men	No. Days	Earnings
FURNACE—			
Not including office,	74	27107 5	49754 72
Office,	7	2292	14626 59
Total,	81	29399 5	64381 31
CHEMICAL PLANT, No. 1—			
Not including office,	17	5600 8	10410 21
Office,	12	197	937 50
Total,	17 1/2	5797 8	11347 71
CHEMICAL PLANT, No. 2—			
Not including office,	14	4367 6	8144 58
Office,	12	119	562 50
Total,	14 1/2	4486 6	8707 08
ACETATE PLANT, No. 1—			
Total (No office charged)	7	1650 1	5043 89
ACETATE PLANT, No. 2—			
Total (No office charged)	7	911 1	3568 76
KILNS—			
Total (No office charged)	20	7326 6	13466 09
RETORTS—			
Total (No office charged)	12	5891 4	11244 69
Loading Pig Iron on Cars,			961 22
Charcoal, Wood & Retort Construction.			
Not including office	24	2466 1	4192 21
Office	1	52	333 32
Total	25	2518 1	4525 53
Grand Total as per Labor Statement	186	59781 2	123246 28

The Cleveland Bluffs Iron Co.

Pioneer Furnace.

Detailed Statement of Shop Labor for Year 1901.

	Pay Roll	Supplies	Total Shop Order	Total Hour	Less Hours Exp'd	Net Hour Charged	Cost per Hour	Hour Charged Tar. Rate	Hour Exp'd Tar. Rate	Accounts Charged Tar. Rate	Am't and Tar. Charge	Total Shop Order	Net Profit	Net Profit
Machine Shop														
Dec.	50563	4663	55226	2317	64	2453	245	2451	2	55177	100	55277	255	51
Jan.	44766	1906	46672	1796	61	1735	268	1641	94	44047	5374	49441	292	2749
Feb.	55421	1954	57375	2810	18	2792	205	2792		57375		57375		
Mar.	46084	4139	50223	2109	63	2046	245	2046		50223		50223		
April	54100	1361	53461	2338	59	2469	235	2449	20	53021	440	53461		
May	47647	1192	48839	2035	48	1987	245	1858	129	45743	3096	48839		
June	51109	494	51603	2039	34	2005	257	2004	1	51578	25	51603		
July	51733	6622	58375	2124	76	2048	236	2044	4	58261	114	58375		
Aug.	50324	7297	57621	1953	58	1895	304	1817	78	55252	2369	57621		
Sept.	41849	1157	43006	1713	19	1694	253	1691	3	42932	74	43006		
Oct.	51682	2469	54151	2134	112	2022	267	2010	12	53844	307	54151		
Nov.	54200	1581	55781	2119	47	2072	269	2072		55781		55781		
Total	597478	34855	632333	25477	659	24818	246	24475	343	623234	11899	635133	1081	2800
Smith Shop														
Dec.	22500	1188	23688	1180	5	1175	201	1175		23688		23688		
Jan.	17958	1051	19009	876	6	870	218	868	2	18968	41	19009		
Feb.	19648	984	20632	975	2	973	212	973		20632		20632		
Mar.	15045	1271	16316	780		780	209	780		16316		16316		
April	11146	764	11910	554	8	546	218	536	10	11706	744	12450	540	540
May	11025	567	11592	566	6	560	207	554	6	11475	117	11592		
June	10427	346	10773	502		502	214	502		10773		10773		
July	10444	640	11084	547		547	202	539	8	10922	162	11084		
Aug.	9691	383	10074	518	3	515	195	515		10074		10074		
Sept.	9347	456	9803	490		490	200	490		9803		9803		
Oct.	10928	1048	11976	540	16	524	229	524		11976		11976		
Nov.	10105	988	11093	494		494	225	494		11093		11093		
Total	158264	9686	167950	8022	46	7976	210	7950	26	167226	1064	168490	208	540
Car Shop														
Dec.	90212		90212	4025	2	4023	226	4029	4	90123	120	90243	077	31
Jan.	72080		72080	2951	1	2950	244	2950		72080		72080		
Feb.	40575		40575	1630		1630	298	1630		40575		40575		
Mar.	32799		32799	1333	11	1322	248	1322		32799		32799		
April	31687		31687	1316	4	1312	241	1312		31687		31687		
May	31162		31162	1375		1375	226	1372	3	31096	66	31162		
June	31860		31860	1408		1408	226	1408		31860		31860		
July	34805		34805	1557	7	1550	224	1550		34805		34805		
Aug.	45775		45775	2115		2115	216	2115		45775		45775		
Sept.	31411		31411	1468		1468	214	1468		31411		31411		
Oct.	24225		24225	1079	8	1071	226	1071		24225		24225		
Nov.	21795		21795	973		973	224	973		21795		21795		
Total	488386		488386	21240	33	21207	230	21200	7	488231	186	488417	1044	31
Grand Total	1244128	44541	1288669	54739	738	54001	238	53625	376	1278891	13149	1292040	1090	3371

THE CLEVELAND-CLIFFS IRON COMPANY.

PIONEER FURNACE.

Comparative Statement of Furnace General Expenses, Years 1901 & '00

%--o-o--%

	1901	1900
Manager	\$6000.00	5666.72
Bookkeeper	1800.00	1750.00
Clerk	900.00	880.00
Stenographer	660.00	682.00
Chief Engineer	1974.99✓	1800.00
Barn Boss	600.00✓	600.00
Extra Clerk	350.00✓	254.80
Fire Insurance	245.50	240.00
Taxes	3719.12	2804.81
Analysis & Testing	997.86	1973.21
Petty Office Expenses	50.34✓	43.62
Stationery & Printing	384.88✓	339.31
Telephones & Telegrams	293.37✓	319.39
Revenue Tax	2.17✓	26.26
Stable Expense	458.22✓	430.07
Exchange	105.30✓	99.30
Freight & Express	13.43✓	10.79
Traveling	196.60✓	437.94
Postage	158.70✓	137.20
Launch	221.85✓	247.36
Entertaining	4.00✓	32.25
Accident	5.00✓	30.52
Papers & Periodicals	17.50✓	32.00
Livery	28.00✓	63.35
Donations	12.00✓	
Inventory	62.67✓	18.77
Watchman	31.50✓	35.00
Political Expenses	67.07✓	69.20
Legal		20.25
Centennial		56.66

Total:-

19360.07

19200.78

245.50
3719.12
997.86

4964.48
4397.59

STATEMENT FIRE INSURANCE 1901.

POLICY NO.	COMPANY	TIME INSURED	EXPIRATION	PROPERTY INSURED	LOCATION	AMOUNT INSURED	RATE	TIME	PREMIUM PAID	PREMIUM ACCRUED	LOSSES
		3 Yrs.	Dec. 1, 1903.	Manager's Residence	Gladstone	5000.00	1.50	3 Yrs	72.50	24.17	None
		" "	" " "	Founder's Cottage	Furnace	1500.00	1.50	" "	21.75	7.25	"
		" "	" " "	Barn Boss' Cottage	Gladstone	500.00	1.50	" "	7.25	2.41	"
		" "	" " "	Master Mechanic's Cot.	"	1000.00	1.50	" "	14.50	4.84	"
		" "	" " "	Clerk's House	"	1000.00	1.50	" "	14.50	4.84	"
		" "	" " "	20 Double Tenements	Furnace	14000.00	2.00	" "	274.75	91.58	"
		" "	" " "	Office & Laboratory	"	700.00	3.00	" "	21.00	7.00	"
		" "	" " "	Laboratory Bldg.	"	1000.00	3.00	" "	30.00	10.00	"
		" "	" " "	Office Building	"	1000.00	3.00	" "	30.00	10.00	"
		" "	" " "	Stock Gray Acetate L.	"	375.00	2.00	" "	16.88	5.62	"
		" "	" " "	" Empty Alcohol Bbls	"	250.00	2.00	" "	11.25	3.75	"
		" "	" " "	Acetate Storage House	"	175.00	2.00	" "	7.88	2.62	"
		" "	" " "	Stock General Supplies	"	3300.00	2.00	" "	150.20	50.06	"
		" "	" " "	Locomotives # 1 & 2	"	4000.00	2.25	" "	202.51	67.50	"
		" "	" " "	Locomotive House	"	800.00	2.25	" "	40.50	13.50	"
		" "	" " "	Car Shop	"	200.00	2.25	" "	10.13	3.38	"
		" "	" " "	Furnace Barn	"	1000.00	4.00	" "	40.00	13.33	"
				Total See	NOTE	35800.00			965.60		
5193	Home	1 Year	Jan. 30, 1902	37 Charcoal Cars	Furnace	3700.00	1.00	1 Yr.	37.00	37.00	"
697924	Northern	1 Year	Nov. 20, 1902	Launch, Naptha		1000.00	2.25	1 Yr.	22.50		"
						40500.00			1025.10	358.85	

NOTE Companies carrying following amounts and above items :-

North British and Mercantile	# 3269808	\$ 3230.00
Manchester	# 2380883	3500.00
Manchester	# 2380879	3230.00
Magdeburg	# 85959	3230.00
Phoenix	# 90638	9690.00
Magdeburg	# 85957	6460.00
Hanover	# 623	3230.00
Manchester	# 2380884	3230.00
Total.....		\$ 35800.00

THE CLEVELAND - CLIFFS IRON COMPANY

PIONEER FURNACE

Statement of Charges to Rented Houses and Rents Received during '01.

House	Repairs	Ins.	Taxes	Total Charges	Rent Received	Net Rent.
1	11.24	2.28		13.52	72.00	58.48
2	12.31	2.28		15.09	72.00	56.91
3	9.68	2.28		11.96	72.00	60.04
4	15.26	2.28		17.54	72.00	54.46
5	18.28	2.28		20.56	72.00	51.44
6	12.36	2.28		14.64	72.00	57.36
7	10.62	2.28		12.90	72.00	59.10
8	9.78	2.28		12.06	72.00	59.94
9	7.14	2.28		9.42	72.00	62.58
10	9.46	2.28		11.74	72.00	60.26
11	13.26	2.28		15.54	72.00	56.46
12	8.93	2.28		11.21	72.00	60.79
13	14.15	2.28		16.43	72.00	55.57
14	10.60	2.28		12.88	72.00	59.12
15	16.54	2.28		18.82	72.00	53.18
16	7.35	2.28		10.13	72.00	61.87
17	8.78	2.28		11.16	72.00	60.84
18	7.54	2.28		9.82	72.00	62.18
19	8.69	2.28		10.97	72.00	61.03
20	6.54	2.28		8.82	72.00	63.18
21	7.18	2.28		9.36	72.00	62.64
22	9.40	2.28		11.68	72.00	60.32
23	8.32	2.28		10.60	72.00	61.40
24	10.50	2.28		12.78	72.00	59.22
25	6.22	2.47		8.69	69.00	60.31
26	9.54	2.47		12.01	72.00	59.99
27	7.36	2.28		10.14	69.00	58.86
28	9.68	2.28		11.96	72.00	60.04
29	8.14	2.28		10.42	72.00	61.58
30	9.63	2.28		11.91	72.00	60.09
31	2.24	2.28		4.52	61.00	56.48
32	4.22	2.28		6.50	60.00	53.50
33	3.14	2.28		5.42	63.00	57.58
34	5.40	2.28		7.68	63.00	55.32
35	3.46	2.28		5.74	54.00	48.26
36	2.14	2.28		4.42	63.00	58.58
37	1.32	2.28		4.10	63.00	58.90
38	3.80	2.28		6.08	63.00	56.92
39	4.16	2.28		6.44	63.00	56.56
40	1.18	2.28		3.46	63.00	59.54
Clerk's	26.15	4.84	38.62	69.61	120.00	50.39
Master Mechanic's	29.10	4.84	40.26	74.20	120.00	45.80
Total	\$392.79	101.26	78.38	572.93	3010.00	2437.07

THE CLEVELAND-CLIFFS IRON COMPANY

PIONEER FURNACE

Sales Gladstone City Property

S A L E S:-

None.

THE CLEVELAND-CLIFFS IRON COMPANY

"PIONEER FURNACE"

Legal Expenses for Year 1901.

Services of Geo. Hayden, Attorney, in connection with
Sale of Birch and Maple stumpage

\$5.00.

CLEVELAND-CLIFFS IRON CO.

"PIONEER FURNACE"

Legal Expenses for Year

-1901-

THE CLEVELAND CLIFFS IRON COMPANY

PIONEER FURNACE

Land Purchases and Options for the Year 1901

PARSONS TRACT LANDS

OPTIONS

George Armstrong	S $\frac{1}{2}$ of S. E. $\frac{1}{4}$	Sec. 7 - 41 - 17	
	80 Acres @ \$5.00	Option Paid	<u>\$10.00</u>
Total			\$ 10.00

PURCHASES

Joseph Mercure	N $\frac{1}{2}$ of N. E. $\frac{1}{4}$	Sec. 18 - 41 - 17	
	80 Acres @ \$5.00		400.00
Nanius Poupour	E $\frac{1}{2}$ of N. W. $\frac{1}{4}$	Sec. 17 - 41 - 17	
	80 Acres @ \$5.00	Paid \$10.00 in 1900	390.00
Sol Speilmacker	S $\frac{1}{2}$ of S. E. $\frac{1}{4}$	Sec. 8 - 41 - 17	
	80 Acres @ \$ 2.50		<u>200.00</u>
Total			\$1000.00

MATHEWS TRACT LANDS

Options

John Nickell	N. E. $\frac{1}{4}$ of N. E. $\frac{1}{4}$	Sec. 6 - 43 - 21	
	40 Acres @ \$5.00	Option paid	5.00

PURCHASES

Henry Wollner	N. $\frac{1}{2}$ of N. E. $\frac{1}{4}$	Sec. 31 - 44 - 21	
	40 Acres @ \$5.00	(Paid \$25.00 option in 1900	175.00
August Cook	N. $\frac{1}{2}$ of N. W. $\frac{1}{4}$	Sec. 31 - 44 - 21	
	80 Acres @ \$5.00	(Paid \$10.00 " " "	<u>390.00</u>
Total			\$570.00

THE CLEVELAND-CLIFFS IRON COMPANY

PIONEER FURNACE

Land Purchases and Options for the year 1901.

PARSONS TRACT LANDS

OPTIONS

George Armstrong	S $\frac{1}{2}$ of SE $\frac{1}{4}$ Sec. 7-41-17 80 Acres @ \$5.00 Option Paid	\$10.00
	Total.....	\$10.00

PURCHASES

Joseph Mercure	N $\frac{1}{2}$ of NE $\frac{1}{4}$ Sec. 18-41-17 80 Acres @ \$5.00	\$400.00
Nanius Poupour	N $\frac{1}{2}$ of NW $\frac{1}{4}$ Sec. 7-41-17 80 Acres @ \$5.00 Paid \$10.00 in 1900.	390.00
Sol Speilmacker	S $\frac{1}{2}$ of SE $\frac{1}{4}$ Sec. 8-41-17 80 Acres @ \$2.50	200.00
	Total.....	\$1000.00

MATHEWS TRACT LANDS

OPTIONS

John Nickell	NE $\frac{1}{2}$ of NE $\frac{1}{4}$ Sec. 6-43-21 40 Acres @ \$5.00 Option paid	\$5.00
--------------	--	--------

PURCHASES

Henry Wollner	NW $\frac{1}{4}$ of NE $\frac{1}{4}$ Sec. 31-44-21 Pd. \$25 Option in 1900 40 Acres @ \$5.00	175.00
August Cook	N $\frac{1}{2}$ of NW $\frac{1}{4}$ Sec. 31-44-21 Pd \$10 Option in 1900 80 Acres @ \$5.00	390.00
	Total.....	\$570.00

THE CLEVELAND-CLIFFS IRON CO.

The Level and Bluff Iron Co

Pioneer Furnace

List of Unpaid Vouchers

November 30th 1901

Voucher No.	In favor of	Amount
5971	Bissell + Stebbins	1992
2	B + W Ry Escanaba	47590
3	Caron + Rough	2679
4	Caron + Rough	150851
5975	L Dolcas	7280
6	C W Davis	2344
7	Delta Hume Co	1315
8	The Fisher Governor Co	158
9	L E Holson	270
5980	H Hurlbut	4600
1	Hills McCarra Co	1505
2	Geo Hayden	500
3	S Goldstone	1291
4	Jos Gibbs + Sons	896
5985	The Gladstone Delta	465
6	Iron Bluffs Co Land Dept	4462
7	Alex Le Duc Jean	3675
8	The Suffolk Rule Co	570
9	Lake Shore Engine Works	1500
5990	The Lima Loco + Mach Co	212
1	The Mc Dougall Smith Co	548
2	Wm A Miller	550
3	Reubin McArthur	5822
4	Mc Donough + Rogers	1600
5995	Mich Telephone Co	905
6	Mining Journal Co Ltd	600
7	Mani LaPine	500
8	Maloney + Roulette Trans Co	45
9	J J Micks	135
6000	M G P + S Ste W Ry Co	1327
1	Wrie deken Co	1357
2	A Nicholas Hume Co	696
3	Postal Telegraph Cable Co	2793
4	O L Packard Mach Co	605
6005	C E Swan	1870
6	Owens Bros	1664
7	Albert W Smith	4000
8	The U S Bingham Mfg Co	1897
9	Western Express Co	305
6010	M E Whittier	1487
1	Western Union Tel Co	62
2	Peter White + Co Agents	2250
3	Hels Wrotting	11515
6014	D A Laming	3600
6015	D L H. Jerkes	4500
Amount Paid -		284788

The Cleveland Bluffs Iron Co

Pioneer Furnace

List of Unpaid Vouchers

November 30th 1901

Voucher No	In favor of	Amount
	<u>Buttoid</u>	
		2847.88
6016	Dr R & Horyth	175.00
7	Various Men Mathews Camp.	234.77
8	Various Men Parsons Camp.	162.63
9	Various Men Munnings Camp West.	44.80
6020	Various Men Munnings Camp East	37.85
1	Isadore Byr	2.52
2	Peruzo Bros	424.20
3	E P Braney Bros	163.80
4	Louis Beauchamp	222.60
6025	J B Frechette	389.20
6	Mrs Geo W Delongchamp	140.00
7	Nadeau Bros	224.00
8	E Valuid	380.00
9	M Peron	336.10
6030	J Gibbs Bros	607.60
1	J B Leonard	104.85
2	James Beano	62.80
3	Reicher Bros	18.37
4	Masonville Sh Taxes	5599.63
6035	Hadstone City Taxes	597.15
6	Inwood Sh Taxes	915.57
7	Harrison Sh Taxes	880.9
8	Garden Sh Taxes	202.4
9	Limestone Sh Taxes	288.68
6040	Mathias Sh Taxes	1056.38
1	Lord River Sh Taxes	208.87
		15353.98

Cleveland-Cliff Iron Company.
Pioneer Furnace
Retort Improvements Trial Balance,
 Nov 30, 1901.

Retort Plant

Building		312245	✓
Mining		3697	✓
Retorts		1112629	✓
Unloading & Placing		37574	✓
Foundations		202095	✓
Settlings		1009561	✓
Fillings		27957	✓
Scaffolding		23922	✓
Superintendency		118496	✓
Gas Main		38770	✓
Pyrometers		73282	✓
Turn Tables		24860	✓
Bunkstays & Rads		19433	✓
Stacks		16018	✓
Blowers		46723	✓
Steam Mch		38328	✓
Grates		27129	✓
Match Blocks		6746	✓
Temporary Water Supply		3216	✓
Extension On Tristle	GA 31	127528	-
Coal Bulkheads		15609	✓
Wire Rope		15840	✓
Wood Tristle		35396	✓
Coal "		82897	✓
Charcoal Tristle		14920	✓
Charging Iron Boxes		353405	- GA 45
Seal Construction		7253	✓
Steel Cars		860936	✓
Hydraulic Lift		129030	✓
" Pump		10020	✓
" Platform		5339	✓
Popper		24058	✓
Hopper		72436	✓
Coolers		337697	✓
Unloading & Placing		24541	✓
Proportion of Miscellaneous Items		286359	✓
Auxiliary Coolers	GA 114	235422	X
Hydraulic Lift Pump #2		58605	✓
		584992	
Depreciation during Year 1901		190301	
		5659671	

375.74
 245.41
 621.15

1275.28
 353405
 235412
 235412
 584992
 5133617

Chemical Plant

Building	289712	✓
Wiring	10095	✓
Tanks & Stills	453570	✓
Unloading & Placing	9570	✓
" " Condensers	7420	✓
Watchmen	6150	✓
Liquor Pump	42460	✓
Neutralizing Tank Engine	16542	✓
" " Mixer	8554	✓
Erecting	65102	✓
Foundations	37762	✓
Copperwork	2452000	✓
Freight on Copper	27177	✓
Platforms	41699	✓
Sewer	7568	✓
" Connections	650	✓
Bailer House	120087	✓
" " Foundations	1122	✓
" " Wiring	4067	✓
Boilers	839171	✓
Freight	44518	✓
Stacks	13993	✓
Seedwater Regulator	59861	✓
Whistle	2418	✓
Settings	220527	✓
Foundations	26345	✓
Stack Gaps	1680	✓
Pump House	63792	✓
Pumps	175861	✓
Dynamos	44294	✓
Proportion of Piping 3/4	465085	✓
" " Misc. Items	288649	✓
Hot well	1111	✓
Recording Gauge	4000	✓
Refining Still	152327	X
Painting Tanks & Stills	7227	✓
Covering " "	47500	X
Pipe Covering	1520	✓
Oil Tank	6406	✓
Moving Car Shop	46298	✓

1523.27
 475.00
 1998.27
 61143.63
 59143.63

E. W 47
 E. W 48

Depreciation during year 1901

6114190
340368
5773822

Acetate Plant

Acetate Floor	85144 ✓
" Pans	139012 ✓
" Tanks	30781 ✓
Unloading & Placing Pans	3396 ✓
Hoods for Tanks	14785 ✓
Platform between Retorts	11267 ✓
Acetate slides	8105 ✓
Proportion Piping "4	155000 ✓
" " " Misc Items	285359 ✓
Acetate settling Tanks	10508 ✓
" Steam Coils	6473 ✓
Pump (Liquor)	46510 ✓
	<hr/>
	796340 ✓
Depreciation during year 1901	43525
	<hr/>
	753115

Dec. 7th, 1901

Mr. C. V. R. Townsend, Book Keeper,
Gladstone, M i c h.

Dear Sir:-

I took up with Mr. Mather the other day the recommendations we made for depreciating the inventory this year and the same meets with his approval. He, however, suggested that on new equipment purchased during the past year it might be better to make the discount 25%, while we have recommended a discount of 15% right straight through.

Yours truly,

A u d i t t o r.

RECOMMENDATIONS FOR MAKING INVENTORY AT PIONEER FURNACE, GLADSTONE,

NOV. 30TH, 1901.

Furnace Supplies, covering iron, steel, pipe, fittings, waste, oil, nails, etc. Actual Cost.

Chemical Supplies, covering alcohol barrels, alcohol lime and acid. Actual Cost.

Retort Supplies, covering Anthracite screenings and Pocahontas coal. Actual Cost.

Mathews Barn Supplies, covering Hay and Oats. Actual Cost.

Laboratory Supplies, Chemicals. Actual Cost.

Equipment Laboratory. Less 15% of original cost.

Equipment, Office Furniture & Fixtures. Less 15% of original cost.

Equipment, Machine Shop Machinery. Less 15% of original cost.

Equipment, Blacksmith Shop Machinery. Less 15% of original cost.

Equipment, Carts, Wagons and Horses. Less 25% of original cost.

Charcoal Cars, All other equipment except Telephones, 15% of original cost.

Telephones. Balance Nov. 30, 1900 \$30.25. Total.

The construction account of the furnace proper is being charged of on a basis of 50¢ per ton of iron made.

The chemical and acetate plants No. 1, 10% annually.

The kilns by charging .0012¢ per bushel on all coal made.

The retorts .0066¢ per bushel.

The improvement accounts are closed by charging off the total balance from last year together with 50% of the amount expended during the current year.

Parson's Portable Ry. is being wiped out by a charge to the wood hauled of 2¢ per cord. 24

The Cleveland Cliffs Iron Co

Pioneer Furnace

Statement showing
Total Cost of Plant, Amounts Sunk Off, and Balance Nov 30th 1901

	<u>Cost</u>	<u>To Nov 30th 1901.</u>	<u>Sunk Off</u>	<u>Balance</u>	<u>on Nov 30th 1901.</u>
Furnace	188	156 58	120706 22	79413 55	
Dwellings not Rented	11	963 19-			
Chemical Plant No 1.	71	279 63	52669 67	18609 96	
Acetate Plant No 1.	4	650 09	3293 35	1356 74	
Hilms	31	074 69	11565 88	19508 81	
Rented Houses	23	433 03	9592 54	13840 49	
Parsons Ry, Main Spur.	15	435 21			
Parsons Camp	5	29 89	16273 51	248 65	
Parsons Well	5	57 06			
Parsons Portable Ry.	16	909 89	615 56	16294 33	
Mathews Camps	1	224 61	1224 61	16522 98	
Mathews Barr	2	65 88	265 88		
Mathews Spurs	2	90 80	290 80		
Section 27 Ry Spur.		88 88	3119	57 69	
Reboots	58	499 72	1903 01	56596 71	
Chemical Plant No 2.	61	141 90	3403 68	57738 22	
Acetate Plant No 2.	7	963 40	432 25	7531 15	
	493	464 45	222268 15	271196 30	

THE CLEVELAND-CLIFFS IRON CO.

PIONEER FURNACE.

Trial Balance, Nov 30th Year 1901

FURNACE GENERAL EXPENSE.		1936007
Fire Insurance	24550	
Taxes	871912	
Analysis and Testing	99786	
Salaries	1228499	
Petty Office Expenses	5034	
Stationery and Printing	38488	
Telephones and Telegrams	29337	
Revenue Tax	217	
Stable Expense	45822	
Exchange	10530	
Freight and Express	1343	
Traveling	19660	
Postage	15870	
Launch	22185	
Entertaining	400	
Accident	500	
Papers and Periodicals	1750	
Livery	2800	
Donations	1200	
Inventory	6267	
Watchman	3150	
Legal		
Political Expenses	6707	
FURNACE MAINTENANCE.		879592
Tracks and Yard	44869	
Trestles and Dock	46045	
Buildings	59852	
Dwellings not Rented	35768	
Boilers	32780	
Pumps	1104	
Blowing Engine	2969	
Blowing Engine Condenser <i>Clean up left</i>	732	
Hoist	8470	
Blow Pipes	1158	
Machinery	7572	
Coolers	586	
Tuyeres	31615	
Relinings and Renewels	388180	
Water Supply	7567	
Coal Buggies	38397	
Ore Buggies	9813	
Pig Iron Trucks	12668	
Stoves	128187	
<i>Water Heater</i>	11948	
<i>Filters</i>	9322	
FURNACE OPERATING.		51699408
Machinery	231180	
Cleaning Boilers	10144	
Pumps	3397	
Hoist	5440	
Boilers	14966	
Blowing Engine	18482	
Electric Light	35551	
Bottom Fillers	865408	
Top Fillers	257011	
Handling Iron	493032	
Handling Cinder	317939	
Weighing and Grading Iron	66875	
Founders, Keepers and Helpers	896328	
Coal Forkers	834812	
Casting Tools	50014	
Sand and Clay	178354	
Filtering	44419	
Wood	14027	
Cleaning Stoves <i>Refund of Poor Grading</i>	17000	
Ore	20604164	
Charcoal	23417647	
Limestone	332581	
Depreciation of New Construction	1940900	
Loading Cars	95100	
Switching	24860	
Loading Vessels	291039	
<i>Depreciation Equipment</i>	221190	
<i>Depreciation Equipment</i>	461205	
<i>Prof. Labor</i>	51740055	
<i>Dep. of Material Sold</i>	3371	
<i>Supplies</i>	14254	
	40647	
	51699408	
<i>Furnace Cost of Production</i>		54515007

THE CLEVELAND-CLIFFS IRON CO.

PIONEER FURNACE.

Trial Balance, Nov 30, 1901

CHEMICAL GENERAL EXPENSE No. 1		3 0 2 9 6 6
Office Expense	2 9 5 2	
Bath House		
Fire Insurance	1 3 7 5 2 0	
Analysis	7 5 7 6 6	
Taxes	8 6 7 2 8	
CHEMICAL MAINTENANCE No. 1		3 1 2 2 8 0
Tanks and Stills	7 8 3 2 1	
Primary Stills	2 9 9 8	
Fractional Stills	6 3 5 9	
Refining Stills	3 6 3 8 0	
Tar Stills <i>Tanks</i>	3 2 6 9	
Columns	8 0 7	
Smoke Condensers	1 2 7 4 8	
Condensers		
Machinery	2 2 6 0	
Engine		
Boilers	5 3 0 8 9	
Pumps	3 9 0 2	
Fans and Pulleys	1 7 8 0 1	
Smoke Mains	5 1 1 0 0	
Buildings	4 1 1 1 4	
Water Supply	4 5 0	
<i>Cleaning Exp.</i>	1 6 8 2	
CHEMICAL OPERATING No. 1		3 1 0 0 9 2 0
Superintendent	9 3 7 5 0	
Stillmen	4 5 8 1 7 2	
Engineers	1 4 1 2 8 4	
Firemen	1 3 3 9 3 5	
Machinery	3 0 0 3 4	
Cleaning Boilers	2 4 4 9 5	
Boilers		
Fuel	6 0 8 6 2 3	
Electric Light	2 8 4 9 8	
Lime	4 0 6 4 4 0	
Chemicals	2 5 9 0 5	
Hose	4 0 0 0	
Depreciation of New Construction	4 5 5 7 6 0	
Barrels	4 4 4 3 2 0	
Loading	1 4 3 3 8	
Switching	2 6 6 7	
<i>Depreciation Improvement</i>	2 5 4 2 2 1	
<i>Depreciation Inventory of</i>	3 1 0 6 4 4 2	
	5 5 2 2	
	3 1 0 0 9 2 0	
ACETATE GENERAL EXPENSE No. 1		1 5 5 2 3
Office Expense	1 6 4 4	
Analysis	1 2 6 4 6	
Fire Insurance	1 2 3 3	
ACETATE MAINTENANCE No. 1		1 9 8 8 4
Building	3 3 4 1	
Tanks	1 0 4 1 2	
Ovens	6 0 8 1	
ACETATE OPERATING No. 1		6 2 4 0 8
Raking	1 3 2 5 6 8	
Skimming	1 5 8 1 6 4	
Firing	8 6 9 1	
Fuel	1 1 1 4 2 1	
Electric Light	4 7 5 5	
Depreciation of New Construction	1 2 5 4 0	
Sacks	8 7 2 8 4	
Loading	1 2 6 0 4	
Switching	2 6 1 6	
Storing	2 0 4 9 6	
<i>Depreciation of Improvement</i>	7 2 8 7 9	
<i>Chemical No. 1. Total Cost of Production</i>		3 7 1 6 1 6 6 ✓
<i>Acetate No. 1 " " "</i>		6 5 9 3 6 5 ✓

The Cleveland Iron Co

Pioneer Furnace

Statement of Construction & Improvement Account November 30th 1901

Account	Balance Nov 30 th 1900	Additions during 1901	Total	Bank Off during 1901	Balance Nov 30 th 1901
<u>Furnace</u>					
Old Construction	98128 77		98128 77	19409 00	78719 77
Laboratory Hall	5 17		5 17	5 17	
Building	579 00	30	579 00	579 00	
Foundation	61 54		61 54	61 54	
Belting	157 65		157 65	157 65	
Loco House benching	126 05		126 05	126 05	
Loco Water Station	40 33		40 33	40 33	
Water Purifier	382 50		382 50	382 50	
Foundry Cottage Well	165 89		165 89	165 89	
Supply House		1387 55	1387 55	693 77	693 78
	99646 90	1387 55	101034 45	21620 90	79413 55
<u>Pipes</u>					
Old Construction 40 Pipes	15662 25		15662 25	2180 34	13481 91
Pipe Line	133 09		133 09		133 09
Charcoal Track	12 57		12 57		12 57
Construction 10 Pipes	5881 24		5881 24	3801	5881 24
	21689 15		21689 15	2180 34	19508 81
<u>Rented Houses</u>					
Old Construction	5735 63		5735 63	2538 33	3197 30
Immigrant House Hall, ditto	221 80		221 80		221 80
Well	547 19		547 19		547 19
Fence	160 22		160 22		160 22
Five new Immigrants	4244 60		4244 60		4244 60
Cleaning Silt & Houses	113 02		113 02		113 02
Rebuilding One Imm House	150 00		150 00		150 00
Five new Immigrant Houses	2805 00	1862 45	4667 45		4667 45
Immigrant House Well #2		516 65	516 65		516 65
Cleaning Street		32 26	32 26		32 26
	13977 46	2401 36	16378 82	2538 33	13840 49
<u>Section 27 Ry</u>					
	57 69		57 69		57 69
<u>Parsons Ry, Main Spur</u>					
	2279 25		2279 25	2030 60	248 65
<u>Parsons Post Ry</u>					
	950 96	15958 93	16909 89	615 56	16294 33
	3230 21	15958 93	19189 14	2646 16	16542 98
<u>Chemical Plant no 1</u>					
Old Construction	22787 56		22787 56	4557 60	18229 96
Artisan Well	928 97		928 97	928 97	
Bath House	136 41		136 41	136 41	
Air Pump	260 01		260 01	260 01	
Column no 5 and Steel	836 82		836 82	836 82	
Covering Pankot & Stills		760 00	760 00	380 00	380 00
	24949 77	760 00	25709 77	7099 81	18609 96
<u>Acetate Plant no 1</u>					
Old Construction	753 34		753 34	125 40	627 94
New Store House		1457 59	1457 59	728 79	728 80
	753 34	1457 59	2210 93	854 19	1356 74
<u>Retort Plant new construction</u>					
Retorts	42911 47	15588 25	58499 72	1903 01	56596 71
Chemical Plant no 2	57112 49	4029 41	61141 90	3403 68	57738 22
Acetate Plant no 2	2161 71	5811 69	7973 40	432 25	7541 15
	102175 67	25429 35	127605 02	5738 94	121866 08
<u>Recapitulation</u>					
Furnace	99646 90	1387 55	101034 45	21620 90	79413 55
Pipes	21689 15		21689 15	2180 34	19508 81
Rented Houses	13977 46	2401 36	16378 82	2538 33	13840 49
Section 27 Ry	57 69		57 69		57 69
Parsons Ry	3230 21	15958 93	19189 14	2646 16	16542 98
Chemical Plant no 1	24949 77	760 00	25709 77	7099 81	18609 96
Acetate Plant no 1	753 34	1457 59	2210 93	854 19	1356 74
Retort Plant	102175 67	25429 35	127605 02	5738 94	121866 08
	266480 19	47324 78	313804 97	42678 67	271126 30

The Cleveland Co
 Comparative Statement of Taxes for Years 1901 and 1900

	1901		1900			1901		1900	
	Valuation	Taxes	Valuation	Taxes		Valuation	Taxes	Valuation	Taxes
<u>City of Gladstone Taxes</u>					<u>Garden Township Delta</u>				
Bilt Lots & Court Lot 3	12750 00	344 11	12175 00	320 75	Section 12	320 00	4 06	320 00	2 98
Houder House	1000 00	25 16	1000 00	25 32	" 13	1280 00	16 18	1250 00	12 53
Managers House	4300 00	110 47	4150 00	105 01	<u>Total</u>	1600 00	20 24	1600 00	15 51
Blenko House	1535 00	38 62	1200 00	30 40	<u>Harrison Township</u>				
Master Mechanics House	1600 00	40 26	1500 00	37 97	Section 28	2560 00	72 21	2560 00	56 78
Barn Bon House	750 00	18 88	700 00	17 77	" 32	320 00	9 04	1560 00	34 56
Personal Property	780 00	19 65	540 00	13 69	" 33	260 00	7 34	2560 00	56 79
<u>Total</u>	22720 00	597 15	21265 00	550 91	<u>Total</u>	3140 00	88 59	6680 00	148 13
<u>Masonville Township</u>					<u>Imwood Township</u>				
Furnace Plant Real	180000 00	3693 66	180000 00	2345 22	Section 2	2465 00	85 23	2451 00	64 35
Furnace Plant Personal	65000 00	1533 82	65814 00	857 49	" 3	2150 00	74 63	2455 00	64 32
Limestone Quarry	100 00	2 04	100 00	1 31	" 4	1600 00	55 53	1606 00	42 09
Section 2	2880 00	59 15	2880 00	37 45	" 5	1600 00	55 53	1600 00	41 92
" 3	3840 00	78 86	3840 00	49 93	" 7	1016 00	35 31	1016 00	26 61
" 4	3840 00	78 86	3840 00	49 93	" 8	1200 00	41 69	1200 00	31 43
" 5	3840 00	78 87	3840 00	49 93	" 9	960 00	33 32	960 00	25 14
" 6	1920 00	39 43	1920 00	24 97	" 10	2560 00	88 93	2560 00	67 07
" 9	3840 00	78 86	3840 00	49 93	" 18	1636 00	56 76	1636 00	42 86
" 10	3840 00	78 87	3840 00	49 93	Personal Property 14000 Leds @ 80¢	11200 00	388 64	37000 00	969 51
" 11	880 00	18 06	880 00	11 47	<u>Total</u>	26387 00	915 57	52484 00	1375 30
" 18	1920 00	39 43	1920 00	24 97					
" 30	960 00	19 72	800 00	10 42					
<u>Total</u>	272860 00	5599 63	273514 00	3562 95					
<u>Ford River Mills</u> See note	1600 00	32 37	1600 00	32 37					
<u>Ford River Wood</u> 4200 Leds @ 1/2	7140 00	20 837	1200 00	26 35					
<u>Feld Mountain Mills</u> See note	1000 00	20 36	700 00	20 36					
<u>Feld Mountain Wood</u>									
<u>Total</u>	9740 00	261 60	3500 00	79 08					
<u>Limestone Township</u> <i>align</i>									
Section 13	680 00	39 18	680 00	30 88					
" 15	960 00	55 14	960 00	43 21					
" 21	960 00	55 14	960 00	43 21					
" 22	980 00	56 25	980 00	44 12					
" 24	960 00	55 30	960 00	43 45					
" 36	480 00	27 57							
<u>Total</u>	5020 00	288 58	4540 00	204 87					
<u>Mathias Township</u> <i>align</i>									
Section 7	450 00	24 92							
" 18	2000 00	110 74							
" 28	2200 00	122 21	2150 00	97 80					
" 29	600 00	33 33	1200 00	54 60					
" 30	600 00	33 33							
" 31	1200 00	66 66	2400 00	109 20					
" 32	2400 00	133 32	2400 00	109 20					
" 33	1800 00	99 99	1800 00	81 90					
" 34	1400 00	77 77	1200 00	54 60					
Personal Property 8000 Leds @ 80¢	6400 00	354 11	2000 00	90 90					
<u>Total</u>	19050 00	1056 38	13150 00	598 20					
					<u>Recapitulation</u>				
					<u>City of Gladstone</u>	22720 00	597 15	21265 00	550 91
					<u>Masonville Township</u> ✓	272860 00	5599 63	273514 00	3562 95
					<u>Outside Mills</u>	9740 00	261 60	3500 00	79 08
					<u>Limestone Township</u> ✓	5020 00	288 58	4540 00	204 87
					<u>Mathias Township</u> ✓	19050 00	1056 38	13150 00	598 20
					<u>Garden Township</u>	1600 00	20 24	1600 00	15 51
					<u>Harrison Township</u>	3140 00	88 59	6680 00	148 13
					<u>Imwood Township</u>	26387 00	915 57	52484 00	1375 30
					<u>Grand Total</u>	360517 00	8827 74	376733 00	6534 95

Note: Ford River Mills
 Tax valuation for 1901 is \$2400⁰⁰ Taxes \$69 42
 Feld Mt Mills
 Tax valuation for 1901 is \$1800⁰⁰ Taxes \$41 82
 above information was not received until after books had been closed for year-

THE CLEVELAND-CLIFFS IRON COMPANY

Pioneer Furnace

STATEMENT OF MILEAGE MADE BY C.C.I. CARS ON THE C.& N.W. RY. FOR

FISCAL YEAR 1901

<u>NO. CAR</u>	<u>TOTAL MILES ONE WAY</u>	<u>NO. CAR</u>	<u>TOTAL MILES ONE WAY</u>
101	85.	119	161.6
102	81.6	120	123.4
103	174.6	121	67.8
104	225.8	122	152.
105	191.9	124	116.1
106	48	125	136
107	46.2	126	150.2
108	81.8	127	68.3
109	144.6	128	41.8
110	170.6	129	78.6
111	176.6	130	119.9
112	110.9	131	59.6
113	92.8	132	50.3
114	150.7	134	78.
115	58.9	135	134.8
116	83.3	136	200.3
117	132.	137	69.7
118	101.5	138	80.7
	<u>2156.8</u>		<u>1889.1</u>

Total column No. 1....2156.8 Miles

Total column No. 2....1889.1 "

Grand Total.....4045.9 "

THE CLEVELAND - CLIFFS IRON COMPANY

PIONEER FURNACE

Statement showing cost of stable expense for year 1901.

<u>Commodities etc.</u>	<u>Total Cost</u>	<u>Cost per Horse Per Day</u>
Hay - - - - -	\$505.61	.1117
Oats - - - - -	566.88	.1252
Feed - - - - -	88.54	.0196
Bran - - - - -	21.60	.0048
Straw- - - - -	10.21	.0022
Repairs wagons, carts and sleighs - -	24.00	.0053
Repairs harness- - - - -	67.10	.0148
Curry Combs, Brushes, Grease and Oil -	14.20	.0032
Shoeing - - - - -	46.35	.0103
Medicine - - - - -	29.00	.0064
Doctor - - - - -	48.00	.0106
Total- - - - -	<u>\$1421.49</u>	<u>.3141</u>

3 Horses on Cinder Carts - -	1095 Days
1 Horse on Breeze Cart - -	365 "
2 Horses on Team- - - - -	730 "
2 Driving Horses- - - - -	730 "
2 Horses, Manager's - - - - -	730 "
1 Horse, Foreman's - - - - -	365 "
1 Horse on Retort Screenings -	365 "
Extra teams for loading vessels	<u>145 "</u>
Total - - - - -	4525 "

THE CLEVELAND-CLIFFS IRON COMPANY

PIONEER FURNACE:- HORSES, CARRIAGES & SLEIGHS

AUSTIN FARRELL, AGENT
AS SHOWN BY INVENTORY NOVEMBER 30TH, 1901

1 Team Black Mares, "MAUDE" and "MARY"	\$238.50
1 Bay Team, "NELL" and "MAGGIE"	243.90
1 Gray Horse, "CHARLEY"	45.00
1 Black Horse, "FRANK"	300.00
1 Sorrel Horse, "DAH"	78.75
1 Iron Gray Mare, "MAUD"	145.00
1 Bay Horse, "CAPTAIN"	175.00
1 " " "KING"	150.00
1 Iron Gray Cinder Mare, "LID"	235.00
1 Top Road Wagon,	33.50
1 Buggy,	46.80
1 #50 Wagon,(Canopy Top)	124.63
1 #11 Rubber Tire, top Buggy,	142.00
1 Portland Cutter,	31.50
1 Jump-seat Cutter,	31.40
1 Double Sleigh,	34.30
1 #5 Sleigh,	36.00

6/4/02
H.C.S.

The Cleveland-Cliffs Iron Co.

PIONEER FURNACE.

REFINED WOOD ALCOHOL.

GRAY ACETATE OF LIME.

LAKE SUPERIOR CHARCOAL PIG IRON.

FURNACE AND CHEMICAL WORKS,
GLADSTONE, MICHIGAN.

GLADSTONE, MICH., July 5, 1902.



Mr. R. C. Mann, Auditor,

Cleveland,

Ohio.

Dear sir:-

Attached please find statement showing costs of the naptha launches purchased by this department, also the amounts sunk off and the balance which we now have on our books against the launch "Nepenthe". The statement also shows the cost of operating the launches yearly to Dec. 1st, 1901.

Yours truly,

A handwritten signature in cursive script, appearing to read "C. R. Lawrence", written over a horizontal line.

Local Auditor.

The Cleveland-Cliffs Iron Co.

PIONEER FURNACE.

REFINED WOOD ALCOHOL.

GRAY ACETATE OF LIME.

LAKE SUPERIOR CHARCOAL PIG IRON.

FURNACE AND CHEMICAL WORKS
GLADSTONE, MICH.

GLADSTONE, MICH., July 5, 1902.

Statement of Costs of Naptha Launches bought by the
Pioneer Furnace Department, Gladstone.The Amount Sunk Off, the Balance Shown on our Books Dec. 1st, 1901,
Also Cost of Operating Launches Yearly.

1893 & 1894 Launch "Bonito"	\$684.52
1896 " " "Kate"	150.00
1898 " " "Nepenthe"	300.00
1898 " " Engine	261.16
1899 " " "	<u>411.08</u>

Total.....\$1806.76

Depreciation 1897	\$208.63
Sale of Launch "Kate"	475.00
Loss on sale of Launch "Kate"	150.89
Depreciation 1898	84.17
Sale of Engine	300.00
Depreciation 1899	100.83
" 1900	100.83
" 1901	<u>100.83</u>

\$1521.18

Inventory Nov. 30, '01 285.58 \$1806.76Cost of Operating.

1894 & 1895	266.60
1896	39.92
1897	144.21
1898	145.75
1899	310.06
1900	247.36
1901	221.85

THE CLEVELAND-CLIFFS IRON COMPANY

COST OF NAPTHA LAUNCHES BOUGHT BY THE PIONEER FURNACE DEPARTMENT TO

DECEMBER 31ST, 1901.

	1893 & 1894 Launch "BONITO"		\$684.52
	1896 " "KATE"		150.00
	1898 " "NEPENTHE"		300.00
	1898 " "ENGINE"		281.16
	1899 "" "		<u>411.08</u>
	TOTAL,		\$1,806.76
	Less sale of Launch "KATE",	\$475.00	
	" " " " "ENGINE"	<u>300.00</u>	
			<u>775.00</u>
	<u>Net cost of Launches,</u>		<u>\$1,031.76</u>

7/14/02
H. C. S.

THE CLEVELAND-CLIFFS IRON CO.

COMPARATIVE STATEMENT OF SALARY AND PERQUISITES FOR YEARS ENDING

· NOVEMBER 30th, 1899, NOVEMBER 30th, 1900, NOVEMBER 30th, 1901.

OF AUSTIN FARRELL

	YEAR 1899	YEAR 1900	YEAR 1901
Salary,	\$5,000.00	\$5,666.72	\$6,000.00
Horse Feed (1 in 1899 & 2 in 1900-01)	90.00	180.00	180.00
" Water (1 in 1899 & 2 in 1900-01)	3.00	6.00	6.00
Expenses Operating Launch,	310.00	347.30	321.85
Barn Boss,	600.00	600.00	600.00
Telephone,	12.00	12.00	12.00
House Rent,	360.00	360.00	360.00
TOTALS,	\$6,375.00	\$7,072.02	\$7,379.85

THE CLEVELAND-CLIFFS IRON COMPANY.

PIONEER FURNACE

SALARIES & PERQUISITES FOR YEAR 1901.

1901.

REGISTERED & BOUND BY
BY THE CLERK OF THE DISTRICT COURT
OF CLEVELAND, OHIO

#####

MANAGER.

Salary	\$6000.00
Horses (2) Feed	180.00
Horses (2) Water	6.00
Barn Boss	600.00
Total:-	<u>\$6786.00</u>

BARN BOSS.

Salary	600.00
House Rent, free.	
Total:-	<u>\$ 600.00</u>

YARD FOREMAN.

Salary	990.90
Horse (1) Feed.	90.00
Total:-	<u>\$1080.90</u>

FUEL SUPERINTENDENT.

Salary only,	\$1999.92
--------------	-----------

FOUNDER.

Salary	1500.00
Electric Light, furnished from furnace, free,	
House rent free.	

Bookkeeper, Chief Engineer, Chemist, Fuel Superintendent
 Clerk & Stenographer, use of team to and from furnace 180.00
 free,

THE CLEVELAND CLIFFS IRON COMPANY

Pioneer Furnace

Statement of Donations made during fiscal year 1901

International Labor Union of Gladstone	\$5.00
Patrick Murphy, account of injury	<u>7.00</u>
Total for year	\$12.00

CLEVELAND CLIFFS IRON CO.

PIONEER FURNACE

DONATIONS

CLEVELAND

THE CLEVELAND CLIFFS IRON CO.

PIONEER FURNACE

COMPARATIVE WOOD REPORT FOR YEARS ENDING NOV. 30th, 1901 AND 1900.

<u>WOOD RECEIVED</u>		<u>CORDS 1901</u>	<u>CORDS 1900</u>
Inventory Dec. 1, 1900	Furnace Kiln	3214 ✓	3030
" " " "	Furnace Yard	312 ✓	1071.16
" " " "	St. Jacques Kilns	123 ✓	
" " " "	East Lake Kilns	68 ✓	
From	Parsons Wood Job	46193.28	37961
"	Mathews Wood Job	6385.16	8274.16
"	Jobbers	1362.08	1252.08
"	Section 27		512.24
	<u>Total received at Furnace</u>	<u>57658.20</u>	<u>52102</u>

<u>WOOD CONSUMED</u>			
Carbonized at	Furnace Kiln	40347.04	42631
"	" Furnace Retorts	10713.00	
"	" Furnace Experimental Kiln	49.24	
"	" East Lake Kiln	655.24	1865.16
"	" St. Jacques Kiln	690.00	1996.16
Used at	Chemical Plant # 1	802.20	1080.24
"	" Acetate Plant # 1	438.24	458.00
"	by Locomotive	8.00	4.00
"	" Retort Plant Construction	92.20	2.00
"	to Thaw ore	157.00	110.00
"	at Furnace Boilers	62.00	129.08
"	" Retorts " Fuel"	165	
"	" Experimental Kiln Fuel	8	
Sold to	Tenants	180	108
Loss off	Cars- charged to contractor	5	
Sold	Soo Power Co.	300	
	<u>Total consumed</u>	<u>54674.20</u>	<u>48385</u>

Inventory Dec. 1, 1901.	Furnace Yard	314	312 ✓
" " " "	Furnace Kilns	2670	3214
" " " "	St. Jacques		123
" " " "	East Lake		68
	<u>Total</u>	<u>57658.20</u>	<u>52102</u>

The Cleveland-Cliffs Iron Co.

Ashland Mine.

Cost Sheet for Month of

5 1901 190

Summary of Supplies Used During 1901. 190

THE CLEVELAND-CLIFFS IRON CO.	COST OF SUPPLIES.		COST PER TON.		
	MINE.	MONTH.	YEAR.	FOR	FOR
PRODUCT.	162.638			MO.	YEAR.
General Supplies,	696111			043	
Iron and Steel,	140269			009	
Oil, Grease and Candles,	306017			019	
Machinery Supplies,	300564			018	
Building Material,	334686			020	
Explosives,	777834			048	
Mine Timber,	769971			047	
Fuel,	2032454			125	
Barn,	44580			003	
Sundries,	164952			010	
Total Supplies,	55.67438			342	
Miscellaneous,					
Total,					
As per Cost Sheet,					
Improvement,				40	
New Construction,					
Other Charges,					
Total,					

THE CLEVELAND-CLIFFS IRON CO.

Cost of Production for the Month of 1901 190

MINE.	MONTH OF <u>March</u> 1901 <u>162,657</u> TONS.						MONTHS, TONS.			
	LABOR.		SUPPLIES.		TOTAL.		TOTAL.		TOTAL.	
	AMOUNT.	COST PER TON.	AMOUNT.	COST PER TON.	AMOUNT.	COST PER TON.	AMOUNT.	COST PER TON.	AMOUNT.	COST PER TON.
GENERAL EXPENSE.										
Insurance,			3953	000	3953	000				
Taxes,			7150	100	7150	100				
Engineering,	110	000	680	001	790	001				
Analysis,	1375	000	2000	001	3375	001				
Relief Fund,										
Mine Office,	880	000	1700	000	2580	000				
General Office,	2630	000	8700	001	11330	001				
Total,			9710	000	12800	000				
MAINTENANCE—Repairs of										
Tracks and Yards,	2150	000	700	001	2850	001				
Docks, Trestles and Pockets,	3170	000	1200	001	4370	001				
Buildings,	500	000	2900	000	3400	000				
Shop Machinery,	400	000	2900	000	3300	000				
Boilers,	1330	001	1800	001	3130	001				
Hoisting Machinery,	2450	000	1000	000	3450	000				
Compressors and Air Pipes,	1220	001	1700	001	2920	001				
Pumps,	200	000	300	000	500	000				
Portable Machinery,	1200	000	800	000	2000	000				
Top Tram Engines and Cars,	800	000	800	000	1600	000				
Skips and Skip Roads,	320	000	600	000	920	000				
Underground Trucks and Cars,	2310	000	700	000	3010	000				
Sinking Boilers & Engines Fire Pumps,	300	000	700	000	1000	000				
Total,			7300	000	12800	000				
MINING EXPENSE.										
Air Pipes,	220	000	1200	001	1420	001				
Compressors,	3600	000	2000	000	5600	000				
Hoisting,	300	000	2000	000	2300	000				
Wire Rope, Skips and Pulley Stands,	260	000	700	000	960	000				
Pumps,	400	000	1300	000	1700	000				
Sinking, <i>Refer to Shaft</i>	200	000	600	000	800	000				
Drifting,	120	000	2000	000	2200	000				
Breaking Ore,	6300	000	700	000	7000	000				
Tramming,	200	000	600	000	800	000				
Filling,										
Timbering,	130	000	800	000	930	000				
Mining Captain and Bosses,	600	000			600	000				
Dry House,	500	000	300	000	800	000				
Top Landing and Tramming,	200	000	700	000	900	000				
Stocking and Sorting,	200	000	600	000	800	000				
Sinking Ore	100	000	600	000	700	000				
Total,			11000	000	12800	000				
Cost of Production,	157440	968	66650	410	224090	1378				
Per cent.,										
EXPLORATORY.										
Exploring in Mines,	1200	000	3500	000	4700	000				
Exploring Outside, <i>Just file</i>	700	000	1500	000	2200	000				
Total,	1900	000	5000	000	6900	000				
DEPRECIATION.										
Inventory,					500	000				
Improvement,					200	000				
New Construction, <i>New #6 Shaft</i>					800	000				
Health Wagon Shop Machinery,					100	000				
Total,					1600	000				
Total Cost on Stock File,	156740	976	70190	430	226930	1518				
LOADING AND SHIPPING.										
Loading by Steam Shovel, Tons	2150		4100		2500					
Loading by Hand, "										
Bosses and Sorters, "										
Total Loading Stock File, "										
Loading at Pocket, "	200		600		800					
Shipping Expense, "	200		200		400					
Total,	400		600		1200					
Total Cost on Cars,	163400	1005	70670	430	234070	1518				
Royalty										
Royalty, Comm'n and Expense, Cleveland Office,					200					
Total Cost,					200					

ACCOUNTS NOT SUNK OFF.	Mos.				Mos.				SINKING.			DRIFTING.			COMPARATIVE COST.	
	AMOUNT.	PER TON.	AMOUNT.	PER TON.	FEET.	COST.	PER FT.	FEET.	COST.	PER FT.	TONS.	TONS.				
New Construction,					Current Mo.							190	Mos.			
Improvement,					Mos.							190	Mos.			
Total,					Mos.							190	Mos.			

REMARKS.	ANALYSIS OF LABOR.
	Labor as per Cost Sheet, Other Charges,
	Total,
	As per Labor Statement, General Pay Roll,
	Total,

CLEVELAND IRON MINING COMPANY.

Weekly Mine Report for the Week Ending

November 30th

GRADES	TONS FOR WEEK		PREVIOUS FOR MONTH	TOTAL FOR MONTH	OVERRUNS AND SHORTAGES	TOTAL FROM DEC. 1, 1901	Transferred To and Transferred From	IN STOCK DEC. 1, 1901	TOTAL	SHIPMENTS TO DATE	BALANCE ON HAND	AVERAGE OF
	ROCK	ORE										WEEK
Scotch,												
Michigamme,												
Volunteer,												
Comrade,												
Total from Hard Ore Mines,												
Lake Besseler,												
Imperial,												
Webster,												
<i>Ashland</i> <small>Querrun</small>		2022		2022								
<i>Ashland</i> <small>Querrun</small>		2717	15811	20528	8995	221271	1964	31391	254616	246338	8278	725
<i>Jaylor</i>		1294		1294			1964					
<i>Jaylor</i>		1270	671	1941		56876	6867	11053	58107	31527	26680	228
<i>Shobe</i>						2600	6867		9467	9467		
Total from Hematite Mines,												
Grand Total,	1696	9303	16482	25785	8995	279746		47444	322190	287332	34868	970
Week, previous for Month,	2626											
“ total “ “	4222											
“ “ from Dec. 1, 1901	37989											

Overruns shown in Black; Shortages in Red; Transfers To in Black; Transfers From in Red.

Ashland Balance
In Stock 7638
In Cars 64
827

CLEVELAND IRON MINING COMPANY.

Weekly Mine Report for the ~~Week~~ ^{Month} Ending ~~Week~~ ^{April 30th}

GRADES	TONS FOR WEEK		PREVIOUS FOR MONTH	TOTAL FOR MONTH	OVERRUNS AND SHORTAGES	TOTAL FROM <i>Jan</i> DEC. 1, 1901	Transferred To and Transferred From	IN STOCK <i>Jan</i> DEC. 1, 1901	TOTAL	SHIPMENTS TO DATE	BALANCE ON HAND	AVERAGE D
	ROCK	ORE										WEEK
Scotch,												
Michigamme,												
Volunteer,												
Comrade,												
Total from Hard Ore Mines,												
Lake Bessemer,												
Imperial,												
Webster,												
<i>Holland</i>				<i>19700</i>		<i>77275</i>		<i>31391</i>	<i>108666</i>	<i>1760</i>	<i>107406</i>	
<i>Saglar</i>				<i>6857</i>		<i>28238</i>		<i>11053</i>	<i>39291</i>	<i>5475</i>	<i>33816</i>	
<i>Glabe</i>				<i>307</i>		<i>7600</i>			<i>7600</i>	<i>7600</i>		
Total from Hematite Mines,												
Grand Total,				<i>76864</i>		<i>108113</i>		<i>42444</i>	<i>150557</i>	<i>9335</i>	<i>141222</i>	
Rock, previous for Month,												
total " "												
" " from <i>Jan</i> Dec. 1, 1901											<i>9539</i>	

OVERRUNS shown in Black; SHORTAGES in Red; Transfers To in Black; Transfers From in Red.

The Cleveland-Cliffs Iron Co.

MAAS MINE.

Statement of Expense during the year ending November 30th, 1901.

Sinking Stand Pipes, for 18 holes,	16,800.61
Diamond Drilling, 13 holes,	22,232.18
Analysis, samples from drilling,	163.50
Rental of Machinery, Drills, Boilers, etc.,	1,959.98
Water Supply, water to drills, piping,	322.50
Proportion General Office Expenses,	900.00
Relief Fund,	122.40
<u>General Expense,</u>	<u>2,080.00</u>
H. L. Smyth, Consulting Geologist,	453.54
S. E. Byrne, copy of abstracts,	200.00
Geo. J. Maas, Renewal of Options,	400.00
Livery, incl. Drill foreman,	318.09
Clerks,	199.55
Office Expense, Supplies, etc.	14.13
Street Car Fare for employes,	154.00
Traveling,	215.62
Telephone Rental,	28.50
Exchange on Currency for pay rolls,	14.00
Revenue Stamps,	17.50
Core Case, Engineers office,	54.72
Photographing,	9.05
Freight and Express,	<u>1.30</u>
Total,	2080.00
Grand Total,	44,581.17

43

CLEVELAND IRON MINING CO., IRON CLIFFS CO., AND CLEVELAND-CLIFFS IRON CO.

SUMMARY FROM LABOR STATEMENTS

For year ending Nov.30,1901.

SURFACE	AVG. NO. MEN	NO. OF DAYS	RATE PER DAY	AMOUNT	T.PR MAN PR.DA	COST PER TON	PRODUCT
Hard Ore	30	9302	1.77	16475.50	8.18	.217	76085
Lake	90	28096	1.96	55009.30	16.69	.117	468883
Cliffs Shaft	74	22659	1.87	42394.44	12.06	.155	273268
Salisbury	41	12519	1.86	23246.88	14.45	.128	180918
Tilden	12	1585	1.95	3084.58	6.71	.290	10642
Imperial	2	497	2.03	1008.76			
Michigamme	34	10329	1.95	20146.94	3.38	.578	34867
Maas	30	8528	2.14	18281.72			
Ashland	85	15473	1.98	30644.48	10.51	.189	162638
Total Surface	398	108991	1.93	210292.60	11.08	.174	1207301
<u>UNDERGROUND</u>							
Hard Ore	80	24014	2.10	50532.74	3.17	.664	76085
Lake	434	125786	2.19	275631.68	3.73	.588	468883
Cliffs Shaft	245	73571	2.16	159182.92	3.71	.582	273268
Salisbury	152	45566	2.38	108404.40	4.00	.599	180918
Imperial	2	528	2.22	1175.89			
Michigamme	91	22688	2.08	47155.95	1.54	1.352	34867
Webster		102	2.94	300.00			
Ashland	353	63681	2.11	134510.87	2.55	.827	162638
Total Undergrd.	1357	355938	2.18	776894.45	3.39	.643	1196659
<u>GENERAL</u>							
Cleveland I.Mg.Co.	9	2819	4.65	13129.18			
Iron Cliffs Co.	8	2211	5.00	11046.21			
C.C.Iron Co.	8	1328	5.30	7032.24			
Total General	25	6359	4.91	31207.63			
<u>OUTSIDE PARTIES</u>							
Cleveland I.Mg.Co.	32	10092	2.11	21287.35			
Iron Cliffs Co.	12	2565	1.90	4863.09			
C.C.Iron Co.		208	2.03	422.21			
Total Out.Part.	44	12866	2.07	26572.65			
Total CIMCo, ICCo, CCICo.	1603	484154	2.16	1044967.33	2.49	.866	
<u>TOTAL BY MINES</u>							
Hard Ore	110	33317	2.01	67008.24	2.28	.881	76085
Lake	524	153882	2.15	330640.98	3.05	.705	468883
General	9	2819	4.65	13129.18			
Total CIMCo.	643	190018	2.16	410778.40	2.87	.754	544968
Cliffs Shaft	319	96250	2.09	201577.36	2.84	.737	273268
Salisbury	193	58085	2.26	131651.28	3.12	.728	180918
Tilden	12	1585	1.95	3084.58	6.71	.290	10642
General	8	2211	5.00	11046.21			
Total ICCo.	532	158113	2.20	347359.43	2.94	.747	464828
Imperial	4	1026	2.13	2184.65			
Michigamme	125	33017	2.04	67302.89	1.06	1.930	34867
Webster		102	2.94	300.00			
Maas	30	8528	2.14	18281.72			
Ashland	438	79154	2.09	165155.35	2.05	1.016	162638
General	8	1328	5.30	7032.24			
Total CCICo.	605	123157	2.11	260256.85	1.60	1.318	197505
Total Out.Parties	44	12866	2.07	26572.65			
Total CIMCo.,ICCo. CCICo.	1603	484154	2.16	1044967.33	2.49	.866	1207301

CLEVELAND CLIFFS IRON COMPANY

Analysis of Improvement and New Construction,

November 30th, 1901.

<u>ASHLAND MINE</u>	Inventory Nov.30'00	Expendrs for year	Total	Deprec'n for year	Invent. Nov.30'01
<u>Improvement</u>					
Machine Shop Equipment		547.17	547.17	547.17	
Coal Dock		964.73	964.73	964.73	
Air Pipes		665.81	665.81	665.81	
Warehouse		220.80	220.80	220.80	
Fire Protection		81.34	81.34	81.34	
New Boilers		2.62	2.62	2.62	
<u>Total</u>		2482.47	2482.47	2482.47	
New #6 Shaft		8735.82	8735.82	8735.82	
Maas New #1 Shaft		2261.02	2261.02		2261.02
Maas New Construction temp. Bldg. Boiler Plant		9256.10	9256.10		9256.10
Re-opening Michigamme Mine " Supplies & Equipt. inventoried.	35064.92	1243.06	86307.98	59779.44	16279.23
Re-opening Supplies & Equipt. Sold.					
Maas City Lots & Houses		288.80	288.80	288.80	
TOTAL CLEVELAND CLIFFS IRON COMPANY.	35064.92	24267.27	109332.19	71286.53	38045.66
<u>Divided as follows,-</u>					
Ashland Mine				11218.29	
Michigamme Mine				59779.44	
Treas. Maas Acct.				288.80	
<u>Total</u>				71286.53	
Analysis of Inventory Column Amount of Improvement and New Construction to be car- ried tonnext year.					11517.12
Amount of Supplies and Equipment to be carried as Supply Inventory next year.					16279.23
Amount of Supplies and Equipment sold, figures used to balance Michigamme Acct., will not be carried next year.					10249.31
<u>Total</u>					38045.66

45

THE CLEVELAND CLIFFS IRON COMPANY.

Record of Fire Insurance on Dwellings & Mine Buildings
For the Year Ending November 30th, 1901.

	Amount Insurance Carried	Premium Accruing for 1901	Fire Loss 1901.
<u>IMPERIAL MINE</u>			
Dwellings	1000.00		
Mine Buildings	5000.00		
Total	6000.00	101.64	
<u>MICHIGAMME MINE</u>			
Dwellings	10340.00		285.62
Mine Buildings	9600.00		
Total	19940.00	249.29	285.62
<u>WEBSTER MINE</u>			
Dwellings	2700.00		
Mine Buildings	4200.00		
Total	6900.00	101.28	
<u>ASHLAND MINE</u>			
Mine Buildings (Premium (1 mo. only)	26900.00	39.53	
Total C. C. I. Co.	59740.00	491.74	285.62

FIRE LOSS MICHIGAMME COMPANY.

Estimated Loss on Dwelling (Old Office) 285.62

Amount of Insurance Paid (Credited to Michigamme Company) 285.62

Fire Loss October 1901 at Ashland #7 Shaft House, \$471.30, not covered by Insurance.

CLEVELAND IRON MINING COMPANY, IRON CLIFFS COMPANY and THE
CLEVELAND CLIFFS IRON COMPANY.

Statement of Cost for Analysis, including Sampling and Crushing
for Each Mine for the Year Ending November 30th, 1901.

HARD ORE MINE	CLEVELAND IRON MINING COMPANY			
Laboratory Expense	1731 Dets.	.108		187.03
For 1900	1654 "	.112		
LAKE MINE				
Laboratory Expense	14540 Dets.	.107	1561.59	3623.36
Sampling, etc.	14540 " "	.142	2061.77	
Total		.249		
For 1900	15024 Dets	.244		
<u>GRAND TOTAL</u>				3810.39
<u>GRAND TOTAL - 1900</u>				3852.65
CLIFFS SHAFT MINE				
IRON CLIFFS COMPANY				
Laboratory Expense	3623 Dets.	.104	376.41	681.17
Sampling, etc.	3623 Dets.	.084	304.76	
Total		.188		
For 1900	1609 Dets.	.384		
SALISBURY MINE				
Laboratory Expense	10938 Dets.	.108	1180.73	1472.33
Sampling, etc.	10938 "	.027	291.60	
Total		.135		
For 1900	10163	.145		
FOSTER MINE				
Laboratory Expense	59 Dets.	.099		5.84
For 1900	3 "	.120		
Tilden Mine				
Laboratory Expense	42 Dets.	.117	4.91	5.37
Sampling, etc.	42 "	.011	.46	
Total		.128		
For 1900	96	.120		
<u>GRAND TOTAL</u>				2164.71
<u>GRAND TOTAL - 1900</u>				2105.53
MICHIGAMME MINE				
CLEVELAND CLIFFS IRON COMPANY				
Laboratory Expense	2266 Dets.	.112	253.67	310.72
Sampling, etc.	2266 "	.025	57.05	
Total		.137		
For 1900	1101 Dets.	.134		
MAAS MINE				
Laboratory Expense	1464 Dets.	.112		163.50
ASHLAND MINE				
Laboratory & Sampling	8733 Dets.	.186	1621.13	1622.78
Ishpeming Laboratory	22 "	.075	1.65	
Total	8755 Dets.	.185		
<u>GRAND TOTAL</u>				2097.00
<u>TOTAL ALL MINES</u>	43419 Dets.	.186		8072.10

THE CLEVELAND CLIFFS IRON COMPANY.

STATE OF OHIO
 THE CLEVELAND CLIFFS IRON COMPANY.

ASHLAND MINE

Statement of Rented House, Showing Rent Received, Cost of Repairs, etc.

For the Year Ending November 30th, 1901.

House No.	Present Occupant	Lot No.	Rent Rec'd	Repairs	Insurance	Taxes	Total Expense
203	H . F. Ellard		110.00	55.83			
230	Will W. Smith		72.00	101.09			
231	G. A. Anderson		55.00	298.69			
246	Renaud		24.00	104.18			
220	Geo. Alguire		48.00	18.62			
136	Pauline						
Total			309.00	578.41			
				1901			
Net Loss for Year				269.41			
Per Cent Loss on Insurance Valuation.				3.2%			
Insurance Valuation				8500.00			

NOTE:- \$12.00 Collected from W.W.Smith in June was credited to Ashland Lot Rents.

48

THE CLEVELAND-CLIFFS IRON COMPANY.

Cost of Diamond Drill Work - Ashland Mine.

Year ending Nov.30th, 1901.

LABOR	DAYS	AMOUNT	COST PER FOOT
Foreman and setter	102 $\frac{1}{2}$	511.55	.401
Operating	393 $\frac{1}{2}$	816.89	.640
Shop labor and repairs	26	51.41	.040
Preparatory Work			
Moving, setting up, etc.	20 $\frac{1}{2}$	41.92	.033
Total	542 $\frac{1}{2}$	1421.77	1.114
<u>SUPPLIES</u>			
Fuel and light		75.10	.059
Oil and waste		2.89	.002
Bits, tools, etc.(Inc. freight,etc.)		293.03	.230
Carbon - 64-36/64 carats		3550.94	2.781
Total		3921.96	3.072
Rentals		259.31	.203
Grand Total		5603.04	4.389
Total feet drilled		1276 $\frac{1}{2}$	
Average feet per day of 10 hours	217	5.88	
" " " man per day	542 $\frac{1}{2}$	2.35	
Feet per carat of carbon		19.8	
Average cost for carbon per carat		55.00	

449

THE CLEVELAND-CLIFFS IRON CO.

CLEVELAND IRON MINING CO.
IRON CLIFFS CO.

M. M. DUNCAN, AGENT.



ISHPEMING, MICH.

March 3, 1902.

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

"BARN STATEMENT"

Dear Sir,-

Replying to your favor of the 1st in reference to Hard Ore and Ashland Barn Reports.

The report for the Hard Ore includes the Cliffs Shaft figures which you ask for, as all of our horses are now kept at the Cliffs Shaft Barn.

The harness and wagon repairs for last year are very high as compared with the year before. The only explanation for this is that there were more of the wagons and sleighs repaired during the year.

The large number of horses taken care of at the Hard Ore barn makes the barn labor and attendance a necessary item. The increased cost of hay and oats over the previous year accounts for the increased cost of feeding, etc.

Yours truly,

A handwritten signature in cursive script, appearing to read "J. J. McLaughlin".

Local Auditor.

AJY-G

March 1st, 1902

Mr. A. J. Yungbluth, Local Auditor,
Ishpeming, Mich.

Dear Sir:-

I have your statement of barn expenses for the past year at the Hard Ore Mine and the Ashland Mine. Comparing the two, it seems to be decidedly favorable to the Ashland Mine, as I note their cost per day amounts to only .370¢ as against .644¢ at the Hard Ore Mine. The principal items of difference are in repairs, which at the Hard Ore Mine are .106¢ as against .005¢, and the barn labor work, which at the Hard Ore Mine amounts to .175¢ and nothing at the Ashland.

I have not yet received the barn statement of the Cliffs Shaft.

Yours truly,

A u d i t o r

	<u>HO</u>	<u>Ashland</u>
Watts	.149	.136
Hay	.129	.193
Seed	.032	.004
Salt	.000	
Bedding	.010	.002
Supplies, Wharf &c	.043	.039
Repairs	.106	.605 +
Barn Labor &c	.175	+ .
	<u>.644</u>	<u>.379</u>

Team Friday	1.288	758
Teamster	1.80	185
	3.088	209
Helper	1.65	165
	4.738	4.258

Letter to Ag'y 3/1

389.68
2723.16

5431) 94825 (175
5431
40515
38017
24980

365
1925
365
5475

52
16
312
12

365
16
2190
365
5840
5431
409

5840) 349638 (592
832
29200
5008
57638
52560
50780

365
1

5008) 349638 (698
30048

Hours 16
Days 5840
Cost 349638

25) 8360 (234
75
86
35
118

49158
45072
40860

17 1/2
16
102
178
280

THE CLEVELAND-CLIFFS IRON CO.

HARD ORE MINE.

Statement of Barn Expense for the year ending Nov. 30th, 1901.

	1901		1900	
	Amount	Cost per Day	Amount	Cost per Day
Number of Horses	16		15	
Number of days worked	4136		4056	
Number of days idle	1142		1033	
Number of days sick	153		114	
Total Days	5431		5203	
Cost of Feeding, bedding, etc.	1743.21	.320	1546.25	.297
Barn Supplies, shoeing, etc.	231.65	.043	297.12	.057
Harness and wagon repairs	573.27	.106	140.61	.027
Total	2548.13	.469	1983.98	.381
Barn Labor, Attendance, etc.	948.25	.175	930.00	.178
Total Cost	3496.38	.644	2913.98	.559
<u>Analysis of Feed and Bedding</u>				
	1901	1900		
Oats	75984	70408	810.77	.149
Hay	94691	80900	700.34	.129
Mixed Feed	17576	34925	173.67	.032
	188251	186233	1684.78	.310
Salt			3.00	.000
Bedding			55.43	.010
Total			1743.21	.320
Oats- P ounds per horse per day			14.0	13.5
Hay - " " " "			17.4	15.5
Mixed Feed- " " " "			3.2	6.7
Total pounds per horse per day			34.6	35.7
<u>Summary of Teaming Cost.</u>			1901	1900
One horse per month 30 days at .644			19.32	16.77
For tem two horses 60 days at .644			38.64	33.54
Teamster 25 days at 1.80			45.00	45.00
Cost 1 mo. (Team and teamster)			83.64	78.54
Cost per day 25 days 1901	3.346	3.142		
With helper at \$1.65 - 25 days			41.25	41.25
Cost per day with helper	4.996		124.89	119.79
Cost per day with helper 4.792 -1900				
<u>Present price for Team Hire.</u>				
<u>With Teamster Only.</u>				
Ishpeming			4.00	4.00
Negaunee			4.00	
Marquette			4.00	

THE CLEVELAND-CLIFFS IRON COMPANY.

Statement of Barn Expense for Seven Months ending November 30th, 1901.

ASHLAND MINE	1901	
	Amount	Cost per Day
Number of Horses	6	
Number of Days worked	1169	
Number of days idle	125	
Total Days	1294	
Cost of Feeding, Bedding, etc.	434.15	.335
Barn Supplies, shoeing, etc.	50.04	.039
Harness and wagon repairs	7.45	.005
Total	491.64	.379
Total Cost	491.64	.379
Analysis of Feed and Bedding		
	1901	
Oats	16656	176.61
Hay	37539	249.47
Mixed Feed	<u>540</u>	5.10
	54735	431.18
Salt		
Bedding		2.97
Total		.002
		434.15
Oats-Pounds per horse per day		12.9
Hay- " " " " "		29
Mixed Feed- " " " "		.4
Total pounds per horse per day		42.3

THE CLEVELAND-CLIFFS IRON CO.

ASHLAND MINE.

Statement of Barn Expense for the year ending November 30th, 1901.

	<u>1901</u>
<u>SUMMARY OF TEAMING COST.</u>	
One horse per month 30 days at .379	11.37
For ten two horses 60 " at .379	22.74
Teamster 25 days at \$1.85	46.25
Cost 1 month (Team and teamster)	68.99
Cost per day 25 days \$2.76	
With helper at 1.65 - 25 days	41.25
Cost per day with helper \$4.41	110.24

Analysis of Deliveries of Ashland Ore

Year ending Nov. 30, 1901

	at Mine			At Lake Erie port		
	Tons	Price	Amount	Tons	Price	Amount
May	9772	2000	288 2776158	2790	1500	407 1135801
June	25696		283 7271968	8807	220	407 3584489
	981	1760	288 262530			
July	35838		283 10142154	6028	1504	412 2483811
	608	500	288 175114	5556	760	407 2261426
August	28878		283 8172474	6260	1076	412 2579317
	101764	1100	288 29300358	10277	1320	407 4182976
September	24122	-	288 6836524	14897	1208	412 6084498
October	18905		288 5350115	6291	1760	412 2560755
November	14766		288 5027780	4762	980	412 3173914
	162497	1100	288 46986205	6865	1368	412 28246987
	162497	1100	288 46004817			
1901 Sales	162497	600	2836 46004817	68652	1368	4085280 46987
			231150 228			
Total			231129 1968	2204440	51804	
			231129 1968			

Deliveries of Gola

May	712	20	250	178002	
June July Aug.	700	400	250	175048	
Sept - Nov	621	660	250	155322	
	2033	1080	280	496622	119662
					11706
					508368

Deliveries of Taylor

May	2263		237	536331	
June	7947		237	1883439	
July	2900		237	687300	
Sept	3043		242	721191	
Oct	4265		242	1010805	
Nov.	9162		242	2171394	
	29580			7010460	
901 Sales	29580		2404	4010460	

* Indicates sales made previous to 1901

231120 1968

Analysis of Deliveries of Abbotford Ore

up to midday Nov. 30, 1901.

	At Mines			At Presque Isle			At Lake Erie ports			
	Tons	Price	Amount	Tons	Price	Amount	Tons	Price	Amount	
Dec.							x 2637	1220	625	16 484 64
Mar.							x 1209	2080	625	7 555 80
April							x 415	1900	625	2 599 04
May							145	2210	486	7 09 49
June							^{4408 690} 976	950	486	4 745 42
July							x 176	860	625	1 102 40
Sept							x 302	1320	625	1 891 18
Oct							^{5363 1590} 1530	1950	486	7 440 03
<u>Sales of Previous Year</u>							x 204	940	625	1 244 62
<u>901 Sales</u>							346	1610	486	1 685 06
							494	51600	625	30 910 68
							3000	—	486	14 580 00
							7945	1600	5913	45 490 68

Deliveries of Alford Ore

May	3118	2180	329	10261	42	3118	2180	361	11259	49
June	7120	250	329	23425	17					
July	6062	1870	329	19946	73					
Aug	6058	1630	329	19933	21					
Sept	5232	2220	329	17216	54					
Oct	2313	580	329	4610	62					
Nov	2293	1080	329	7545	55					
	32200	850	329	105939	24				308	1180
				1901 Sales		32508	2030	3249	107	268
									431	1329
									431	1329

all 1901

x Substrate sales made previous to 1901

Analysis of Deliveries of Bradford Ore Year ending Nov. 30, 1901.

	at mines			at Piquette Isle			at Lake Erie ports		
	Tons	Price	Amount	Tons	Price	Amount	Tons	Price	Amount
Jan'y	800	260	208234*						
Feb'y	855	260	222525*						
Mar.	765	260	199020*						
April	813	260	211432*						
May	1021	200	204358	3623	2030	230	833498		
	4257	410	12428						
			1033141						
	3623	198	717533						
June	2068	200	413710						
	5301	198	1049674						
July	1309	200	261983						
	4592	198	909269						
Aug.	2191	198	433943						
Sep.	2544	198	503794						
Oct.	2305	200	461000						
"	6762	198	1338966						
Nov.	1063	200	212634						
	9563	198	1881778						
900 Sales	3235	260	841211	Total					
901	42288	198	8376307	45524	198	20259217518			

Deliveries of Bradford

May	371	273	101351	371	560	305	113231
June	3004	263	790168				
July	3606	263	948432				
Aug.	5027	263	1322127				
Sep.	3904	263	1028084				
Oct.	3202	263	842322				
Nov.	882	263	232056				
Sales	19998	263	5263225				
19998	330	2632	5263225				

* Indicates sales made previous to 1901

Analysis of Deliveries Buffalo Ore

year ending Nov. 30, 1901.

	at Mine			at mine ^{Prosper Sale}			at Lake Erie ports		
	Tons	Price	amount	Tons	Price	amount	Tons	Price	amount
May	5657	220	120104	5657	220	120104			
June	9251	2010	1831876						
July	7104	890	1406670						
Aug.	4577	1170	906349						
Sept	10124	1170	2005249						
Oct	13673	40	2707257						
Nov.	14253	180	2822109						
	64644	1200	12799614						
	64644	1200	12799614	✓					

Deliveries of Canoco

May	1517	720	300429	1517	720	230	348984
June	2166	660	428926				
July	1716	860	339844				
Aug.	1092	620	206271				
Sept	1694	740	335478				
Oct	2148	1920	425473				
	10335	1040	2046421	✓			

Deliveries of Chatford

May	586	870	117277	586	870	2000	117277
June	600	950	84059				
July	1415	1520	198194				
Aug.	1666	960	233300				
Sept	2493	280	349037				
Oct	985	500	137931				
Nov.	838	1530	117415				
	8585	2130	1237213	✓			

* Indicates sales made previous to 1901

Analysis of Deliveries of Imperial

Year ending Nov. 30, 1901.

	At Mine			At Lake Erie port		
	Tons	Price	Amount	Tons	Price	Amount
December						X 4619 840 3876 1790469
January						X 3816 1760 3876 1479385
February						X 2633 980 3876 1020720
March						X 3370 200 3876 1306248
April						X 2058 580 3876 797780
May						X 2168 1680 3876 840612
June	3754	1120	1153	432894		X 954 640 3876 369880
July						X 2888 2080 3876 1119748
Aug.						X 4340 2000 3876 1682529
Sept						/ 1459 2120 3876 565099
Oct						X 742 1120 3876 287792
Nov.						X 767 1320 3876 297516
	3754	1120		432894		29818 1880 3876 11557776
<u>Previous year sales</u>	3754	1120	1153	432894		29818 1880 3876 11557776

No sales made in 1901

1900 Sales 33543 760 3569 119 906 70

* indicates sales made previous to 1901

Analysis of Deliveries of Comrade Ore

year ending Nov. 30, 1901.

	At Mine			At Lake Erie			At Lake Erie			
	Tons	Price	Amount	Tons	Price	Amount	Tons	Price	Amount	
December							x 1166	2060	426	4971.08
January							x 1303	780	426	5552.26
February							x 689	1740	426	2938.45
March							x 494	1440	426	2107.19
April							x 3606	660	426	15622.47
May							x 1963	480	4332	8504.63
June							x 585	1240	4332	2536.54
July							x 1489	1040	4332	6452.35
August							x 1174	1150	4332	5075.75
September							x 1023	180	4332	4431.94
October							x 128	1180	4332	600.99
November							13900	640	4313	59952.78
1900 Del.										

"x" indicates ore made previous to 1901

Analysis of Deliveries of Michigan Ore

Year ending Nov. 30, 1901.

	at Mine			at Lake Erie		
	Tons	Price	Amount	Tons	Price	Amount
December						x 2885 1000 475 1370587
January						x 26138 26180 475 1016012
February						x 4390 1200 475 2085504
March						x 2200 1430 475 1045317
April						x 487 1120 475 231562
May						x 1931 360 475 917301
June						x 767 600 475 364452
July						x 1313 410 475 623762
Aug.						x 2598 1810 475 1234433
Sept.						x 4488 820 475 2131973
Oct.						x 2999 90 475 1415044
Nov.						26180 2060 475 12435947
1900 sales						26180 2060 475 12435947

x indicates sales made previous to 1901

CLEVELAND-CLIFFS IRON COMPANY.

COMPARATIVE STATEMENT OF TAXES FOR YEARS 1901 AND 1900.

DESCRIPTION	1901		1900	
	VALUATION	TAXES	VALUATION	TAXES
<u>SPURR TOWNSHIP-BARAGE COUNTY</u>				
<u>IMPERIAL MINE</u>				
NW $\frac{1}{4}$ of Sec. 25-48-31 160 A.	15000	673.80	10000	519.55
Personal Taxes	6150	276.27	1500	47.94
Total	21150	950.07	11500	367.49
Collection Fees -1%-		9.49		3.67
<u>Total Imperial</u>		959.56		371.16
<u>WEBSTER MINE</u>				
N $\frac{1}{2}$ of NE $\frac{1}{4}$ 26-48-31 80 A.	10070	452.36	5000	159.78
SE $\frac{1}{4}$ of NE $\frac{1}{4}$ 26-48-31 40 A.				
Total	10070	452.36	5000	159.78
Collection Fees -1%-		4.53		1.60
<u>Total Webster</u>		456.89		161.38
<u>TITAN MINE</u>				
Lot No. 1 21-48-31 49.50 A.	2000	89.84	3000	95.87
Lot No. 2 21-48-31 18 A.	35	1.58	70	2.23
Total	2035	91.42	3070	98.10
Collection Fees -1%-		.91		.98
<u>Total Titan</u>		92.33		99.08
<u>MICHIGANME MINE.</u>				
N $\frac{1}{2}$ of NW $\frac{1}{4}$ Sec. 4-48-31 77.28 A.	200	8.98	200	6.40
SW $\frac{1}{4}$ of NW $\frac{1}{4}$ 4-48-31 40 A.	100	4.50	100	3.19
NW $\frac{1}{4}$ of SW $\frac{1}{4}$ 4-48-31 40 A.	100	4.50	100	3.19
Lots 1 and 2 25-48-31 70.13 A.	190	8.54	190	6.08
N $\frac{1}{2}$ of NE $\frac{1}{4}$ 25-48-31 80 A.	220	9.88	220	7.04
SW $\frac{1}{4}$ of NE $\frac{1}{4}$ 25-48-31 40 A.	110	4.94	110	3.51
N $\frac{1}{2}$ of SW $\frac{1}{4}$ 25-48-31 80 A.	220	9.88	220	7.04
Total	1140	51.22	1140	36.45
Collection Fees -1%-		.51		.37
<u>Total Michigamme</u>		51.73		36.82
Total Spurr Township	54395	1545.07	20710	661.82
Collection Fees -1%-		15.44		6.62
<u>GRAND TOTAL</u>		1560.51		668.44
Rate (Not incl. fees)		4.50		3.23
<u>CHAMPION TOWNSHIP</u>				
SW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 30-48-29 35.37 A.	144	1.86	134	1.79
Fees		.06		.08
Total	144	1.92	134	1.87
<u>RICHMOND TOWNSHIP</u>				
Volunteer Mine				
Personal Taxes	25000	624.25	24000	613.01
Collection Fees -1%-		6.24		6.13
Total	25000	630.49	24000	619.14

CLEVELAND-CLIFFS IRON COMPANY.

COMPARATIVE STATEMENT OF TAXES FOR YEARS 1901 AND 1900.

DESCRIPTION	1901		1900	
	VALUATION	TAXES	VALUATION	TAXES
<u>MICHIGAMME TOWNSHIP</u>				
N $\frac{1}{2}$ of SE $\frac{1}{4}$ That part of Sec. 19 not included in Village Plat, that part of lot lying on north of MH&ORR Sec. 19 Town 48 Range 30	55000	895.07	35000	784.68
Lots 2-3-4-5-6 20-48-30 151.70 A.	240	3.91	240	5.39
Lots 1-2-3-4-5 25-48-30 169.80 A.	600	9.77	600	13.46
S $\frac{1}{2}$ of NE $\frac{1}{4}$ 25-48-30 80 A.	320	5.21	300	6.72
Lots 1-2-3-4 26-48-30 147.47 A.	400	6.51	375	8.41
Lots 1-2-3 27-48-30 100.40 A.	350	5.70	300	6.72
Lot 1 30-48-30 26 A.	50	.82	50	1.13
Taxes on Village Lots as per tax sheets	7765	126.76	7625	170.37
Total	64725	1053.78	44490	996.88
Collection Fees 1%		10.56		9.97
TOTAL MICHIGAMME TOWNSHIP		1064.31		1006.85
Rate (Not incl. Fees)		1.63		2.24
Increase Over last year	20235	56.87		
<u>Ironwood City.</u>				
<u>ASHLAND MINE.</u>				
S $\frac{1}{2}$ of SW $\frac{1}{4}$ Sec. 22-47-47 80 A.	416500	10812.35		
Personal Property	232664	6039.96		
N $\frac{1}{2}$ Of Lot No. 1- 17 A. (more or less)	900	23.38		
North 10 A. of NE $\frac{1}{4}$ of NW $\frac{1}{4}$)				
Total	650064	16875.69		
Collection Fees		168.75		
TOTAL IRONWOOD CITY		17044.44		
Rate (Not incl. fees)		2.596		
<u>Iron County, Wis.</u>				
<u>MONTREAL TOWNSHIP.</u>				
N $\frac{1}{2}$ of NE $\frac{1}{4}$ Sec. 30-46-2E	350	19.46		
NW $\frac{1}{4}$ 30-46-2E	700	38.92		
SW $\frac{1}{4}$ 30-46-2E	700	38.92		
NE $\frac{1}{4}$ of SE $\frac{1}{4}$ 30-46-2E	175	9.73		
S $\frac{1}{2}$ of SE $\frac{1}{4}$ 30-46-2E	400	22.24		
Total	2325	129.27		
Collection Fees				
TOTAL MONTREAL TOWNSHIP		129.27		
Rate		5.56		