

CLEVELAND-CLIFFS IRON COMPANY.

COMPARATIVE STATEMENT OF TAXES FOR YEARS 1901 AND 1900.

DESCRIPTION	1901	
	VALUATION	TAXES
NEGAUNEE CITY.		
A lot 91 ft. wide extending from Main St. to M.H. & O.Ry Co's Right of Way 47-26	1200	25.40
The north 100 ft. of a lot 87 ft. wide extending from Main St. to D.S.S. & A.Ry.Co's Right of Way 47-26	900	19.05
A lot 100 ft. wide extending from Main St. to M.H. & O.Ry.Co's Right of Way 47-26	600	12.69
Edward Lobb's Addition as follows: Lots 1-2-3-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29	2200	46.45
Harris' Addition as follows: Lots 3-4-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25- of Block 1 and Lots 5-6-7-8-9-10-11-12-13-14-15 of Block 2	3000	63.31
All that part of lands leased from Maas lying east of Baldwin-Kiln Road and north of Main St.	145000	3068.54
All that part of lands leased from Maas lying west of Baldwin-Kiln Road and except the Harris Addition	20000	423.25
Lobb part of SW of SW of 31 except Buzzo and Farget (this includes Redfern's south water front but the north Redfern water front is not ass'd)	5000	105.81
Hadrick Property	300	6.35
Archambeau Property	250	5.29
Next east of Mine Street	150	3.17
Next east of Mulvey	150	3.17
Next west of Mine Street	400	8.47
A lot extending from Main St. to M.H. & O.Ry. Right of way 1 Acre	1200	25.40
A lot extending from Main St. to M.H. & O.Ry. Right of way 1 Acre	800	16.93
Anthony Property 5.75 Acres	3000	63.49
Kruse Property 5. "	5000	105.81
Total Negaunee City	189150	4002.58
Collection Fees - 1% -		40.02
TOTAL		4042.60
Rate (Not incl. Fees)		2.116

CLEVELAND-CLIFFS IRON CO.

TAX STATEMENT 1901.

	1901		1900	
	VALUATION	AMOUNT	VALUATION	AMOUNT
Amount of taxes as per statement Charged as follows:				
Imperial Mine <i>Donago Co</i>	21150	959.56	11500	371.16
Webster Mine "	10070	456.89	5000	161.38
Titan " "	2035	92.33	3070	99.08
Michigamme Mine "	66009	1117.96	45764	1044.79
Volunteer " <i>mine</i>	25000	630.49	24000	619.14
Ashland " <i>gogebic Co</i>	652389	17173.71		
Maas Lands	189150	4042.60		
Total	965803	24473.54	89334	2295.55
Taxes by Township and City				
Spurr Township	34395	1560.51	20710	668.44
Champion "	144	1.92	134	1.87
Richmond "	25000	630.49	24000	619.14
Michigamme "	64725	1064.31	44490	1006.10
Ironwood City	650064	17044.44		
Montreal Township	2325	129.27		
Negaunee City	189150	4042.60		
Total	965803	24473.54	89334	2295.55
Rate(Not incl.fees)		2.51		
Note:				
IMPERIAL MINE.				
Taxes as per statement		959.56		
1900 Taxes charged in 1901		48.42		
Taxes as per Cost Sheet		1007.98		
MICHIGAMME MINE.				
Taxes as per statement		1117.96		
1900 Taxes charged in 1901		38.69		
Taxes as per Cost Sheet		1156.65		
ASHLAND MINE.				
Taxes as per Cost Sheet		17150.10		
1901 Taxes to be charged in 1902		23.61		
Taxes as per statement		17173.71		

THE CLEVELAND-CLIFFS IRON COMPANY

MINE DEPARTMENT: HORSES, CARRIAGES AND SLEIGHS

USED BY M. M. DUNCAN, AGENT.

AS SHOWN ON INVENTORY NOVEMBER 30TH, 1901

1 Bay Horse, "MACK"	\$150.00
1 Bay Team, "DON" and "MACK"	500.00
1 Black Horse, "GEORGE"	103.33
1 Horse (purchased April 14-1902)	150.00
1 Light Double Wagon,	84.58
1 Buggy,	31.01
1 Phaeton,	39.52
1 Single Top Buggy,	154.04
1 Extension Top, Double Carriage,	335.75
1 Park Road Wagon letter 7/12/02	225.00
Repairs on Carriage	96.10
1 Cutter,	30.86
1 Double Two Seat Sleigh,	181.75
1 Double Three Seat Sleigh,	98.70

8/4/03
H.C.S.

THE CLEVELAND-CLIFFS IRON CO.

COMPARATIVE STATEMENT OF SALARIES AND PERQUISITES FOR YEARS ENDING

NOVEMBER 30th, 1899, NOVEMBER 30th, 1900, NOVEMBER 30th, 1901

OF H. H. DUNCAN

	YEAR 1899	YEAR 1900	YEAR 1901
Salary,	\$3,000.00	\$3,000.00	\$3,000.00
Rent,	360.00	360.00	360.00
Choreman,	535.44	563.90	565.75
Water,	10.00	8.00	8.00
Telephone,	15.00	15.00	15.00
Horse "George" 365 days @ .30	109.50	109.50	109.50
Driving Team " " " .60	219.00	219.00	219.00
Proportion of Barn Boss' time,	337.50	360.00	360.00
Cow and Pony feed,	109.50	109.50	109.50
TOTALS,	\$9,695.94	\$9,749.90	\$10,746.75

STATEMENT OF DISBURSEMENTS ON ACCOUNT OF MARQUETTE &
SOUTHEASTERN RAILWAY COMPANY TO NOVEMBER 30TH, 1901

<u>MAIN LINE:</u>			
Right of Way, City of Marquette,	\$ 4,045.75		
Right of Way,	5,500.87		
Real Estate,	100.75		
Equipment,	102,222.93		
Stock of Material,	206,449.87		
<u>ENGINEERING:</u>			
General Expenses,	2,865.39		
Wages,	5,924.44		
Camp Equipment & Expenses,	1,527.94		
Traveling Expenses,	160.32		
Office Expenses,	183.46		
Instruments,	97.76		
Incidental Expenses,	70.03		
<u>CONSTRUCTION:</u>			
Bridges and Culverts,	14,687.07		
Cattle Guards, Road Crossing Signs, etc.	334.92		
Clearing and Grubbing,	22,124.19		
Grading,	110,498.55		
Furnace Tracks,	699.03		
Ties,	2,220.16		
Boarding Cars,	1,011.30		
Rails,	1,457.68		
Rail Fastenings,	159.51		
Track Laying,	5,613.62		
Frogs, Switches, etc.	1,366.11		
Ballasting, Surfacing, etc.	4,483.99		
Water Stations,	309.68		
Telegraph,	6.65		
Fences,	20.00		
General Expenses,	3,448.26		
Legal Expenses,	163.00		
Transportation Dept: Buildings,	3.00		
Repairs to freight cars,	7.32		
Switching Cars,	320.00	\$507,168.15	
<u>LESS CREDITS:</u>			
Car Mileage,	47.93		
Freight Earnings,	1,199.48		
Miscellaneous Earnings,	486.75	1,734.16	
Net disbursements on account Main Line			505,433.99
<u>LAKE INDEPENDENCE BRANCH:</u>			
Right of Way,	35.15		
<u>ENGINEERING EXPENSES:</u>			
Taxes,	1,732.50		
Camp Equipment & Expenses,	914.44		
Traveling Expenses,	38.00		
Instruments,	7.00		
Incidental Expenses,	42.25		
Total Disbursements on Lake Independence Branch,			2,768.30
Add amount paid T.Nester for services,			2,500.00
Total Disbursements account M.&S.E.R.R.Co.			510,702.29
Deduct Accounts Payable,	12,822.59		
Less Accounts Receivable & Cash on hand,	9,629.59		3,123.00
<u>NET TOTAL DISBURSEMENTS,</u>			\$507,579.29

STATEMENT OF DISBURSEMENTS ON ACCOUNT OF MARQUETTE &
SOUTHEASTERN RAILWAY COMPANY TO NOVEMBER 30TH, 1901

<u>MAIN LINE:</u>		
Right of Way, City of Marquette,	\$ 4,045.75	
Right of Way,	5,500.87	
Real Estate,	106.75	
Equipment,	102,233.93	
Stock of Material,	206,449.87	
<u>ENGINEERING:</u>		
General Expenses,	2,365.39	
Wages,	5,924.44	
Camp Equipment & Expenses,	1,527.04	
Traveling Expenses,	166.32	
Office Expenses,	183.46	
Instruments,	97.76	
Incidental Expenses,	70.63	
<u>CONSTRUCTION:</u>		
Bridges and Culverts,	14,687.07	
Cattle Guards, Road Crossing Signs, etc.	324.92	
Clearing and Grubbing,	22,124.19	
Grading,	119,493.55	
Furnace Tracks,	699.03	
Ties,	2,226.16	
Boarding Cars,	1,011.30	
Rails,	1,457.68	
Rail Fastenings,	159.51	
Track Laying,	5,613.62	
Frogs, Switches, etc.	1,306.11	
Ballasting, Surfacing, etc.	4,483.99	
Water Stations,	309.68	
Telegraph,	6.65	
Fences,	20.00	
General Expenses,	3,442.26	
Legal Expenses,	163.00	
Transportation Dept: Buildings,	3.00	
Repairs to freight cars,	7.32	
Switching Cars,	320.00	\$607,168.15
<u>LESS CREDITS:</u>		
Car Mileage,	47.93	
Freight Earnings,	1,199.48	
Miscellaneous Earnings,	486.75	1,734.16
Net disbursements on account Main Line		505,433.99
<u>LAKE INDEPENDENCE BRANCH:</u>		
Right of Way,	25.15	
<u>ENGINEERING EXPENSES:</u>		
Wages,	1,722.56	
Camp Equipment & Expenses,	914.44	
Traveling Expenses,	26.00	
Instruments,	7.90	
Incidental Expenses,	42.25	
Total Disbursements on Lake Independence Branch,		2,768.30
Add amount paid T.Nester for services,		2,500.00
Total Disbursements account M.&S.E.R.R.Co.		510,702.29
Deduct Accounts Payable,	12,222.59	
Less Accounts Receivable & Cash on hand,	9,699.59	3,123.00
NET TOTAL DISBURSEMENTS,		\$507,579.29

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

Statement of Salaries and Perquisites year ending Nov. 30, 1901.

AGENT	TOTAL		C.I.M.CO.		I.C.CO.		C.C.I.CO.	
Salary	9000	00	3750	00	3750	00	1500	00
Rent	360	00	150	00	150	00	60	00
Choreman	565	75	235	60	235	60	94	55
Water	8	00	3	33	3	33	1	34
Telephone	15	00	6	25	6	25	2	50
Horse-George-365 days @ 30c	109	50	45	62	45	62	18	26
Driving Team-365 days @ 60c	219	00	91	25	91	25	36	50
Cow and Pony Feed-365 days @ 30c	109	50	45	62	45	62	18	26
Proportion of Barn Boss Time	360	00	150	00	150	00	60	00
Total	10746	75	4477	67	4477	67	1791	41
More Mining Capt. D. Campbell								
Salary			1500	00				
Telephones			15	00				
Total	1515	00	1515	00				
Lake Mining Capt. A. Collick								
Salary			2500	00				
Telephones			15	00				
Horse			109	50				
Total	2624	50	2624	50				
Michig. Mg. Capt. J. Roskilly								
Salary	1500	00					1500	00
Telephones	15	00					15	00
Total	1515	00					1515	00
Imp. & Web. Mg. Capt. J. Matthews								
Salary 8 mos. @ 75.	600	00					600	00
Telephones 9 mos.	12	50					12	50
Horse 8 mos.	72	00					72	00
Total	684	50					684	50

PERQUISITE REPORT (CONT.)

	TOTAL	C.I.M.CO.	I.C.CO.	C.C.I.CO.
Cliffs shaft Mining Capt.				
Salary			2575 00	
J.H. Rough 12 mos. 2500.00				
Jas. Stephens $\frac{1}{2}$ mo. 75.00				
Telephones			15 00	
Total	2590 00		2590 00	
Salisbury Mining Capt.				
Salary			1875 00	
Jas. Stephens $11\frac{1}{2}$ mos. 1725.				
Jas. Matthews 1 mo. 150.				
Telephones			15 00	
Total	1890 00		1890 00	
Tilden Mg. Capt. J.H. Skewes				
Salary 5-1/3 Mos. @ 75.00			386 46	
Total	386 46		386 46	
Ashland Supt. H.F. Ellard				
Salary 5-2/3 Mos. @ 270.				1530 00
Choreman $5\frac{1}{2}$ Mos.				242 00
Total	1772 00			1772 00
Ashland Mg. Capt. G.A. Anderson				
Salary 5-2/3 Mos. 208.33				1180 53
Total	1180 53			1180 53
Master Mechanic W.E. McKee				
Salary	3000 00	1250 00	1250 00	500 00
Telephones	15 00	6 25	6 25	2 50
Horse	109 50	45 62	45 62	18 26
Total	3124 50	1301 87	1301 87	520 76
Consulting Mining Captain Thomas Buzzo Pioneer Iron Co.				
Salary 112.00 per mo.	1344 00			
Telephones	15 00			
Horse	120 00			
Total	1479 00			

THE CLEVELAND CLIFFS IRON COMPANY

CLEVELAND IRON MINING CO. and IRON CLIFFS CO.

Report of Nationalities at the different Mines for the month of Nov. 1901

	General Office and Laboratory	Hard Ore	Lake	Cliffs Shaft	Salisbury	Ashland	Tilden	Michigan	Maas	Total	Per Cent	Per Cent Last Report.
American	14	5	2	5	3	7			9	45	.025	.037
Scotch		2	1	4	3	2			1	13	.007	.008
German		5	2	3	1	17		1	10	39	.022	.019
Italian		9	16	18	18	28			1	90	.050	.055
French	1	13	17	17	22	14		2	16	102	.056	.054
Irish		14	13	29	8	44		3	17	128	.071	.058
Finnish		54	164	103		69	6			396	.219	.246
Scandinavian		36	167	92	45	76		6	25	447	.247	.239
English	3	21	118	43	100	29	6	6	21	347	.192	.181
Polish				1		191		1		193	.106	.097
Welsh			1							1	.000	.001
Austrian				6		3				9	.005	.005
Total	18	159	501	321	200	480	12	19	100	1810	1.000	1.000
Last report	17	150	506	319	180	448	21	128	13	1782		

CLEVELAND CLIFFS IRON COMPANY.

Statement Showing the Amount Paid from Benefit and Suspense Funds,
 Number of Accidents and Time Lost Each Year from December 1st, 1891,
 Also Credits to Benefit and Suspense Accounts November 30th, 1901:

MINES			HARD ORE			LAKE		
<u>Year Ending</u>	Cases	Days Lost	Amount Paid	Cases	Days Lost	Amount Paid		
November 30th, 1892	48	1483	3785.66	47	1679	1783.46		
" " 1893	14	798	631.70	51	2494	1959.48		
" " 1894	8	313	609.80	33	1642	1271.96		
" " 1895	2	27	18.00	43	1261	1733.14		
" " 1896	4	62	55.54	43	1527	4242.54		
" " 1897	2	35	27.34	63	2051	4194.66		
" " 1898	2	22	16.08	52	1591	1598.48		
" " 1899	7	89	71.46	65	1910	1479.94		
" " 1900	17	395	302.68	64	2573	3065.84		
" " 1901	20	537	898.50	52	2158	3612.76		
Total	124	3761	6416.76	513	18836	24942.26		
Credit to Benefit Fund			3536.05			4307.26		
Credit to Suspense Fund			3536.05			4307.26		
MINES			HEMATITE			VOLUNTEER		
<u>Year Ending</u>	Cases	Days Lost	Amount Paid	Cases	Days Lost	Amount Paid		
November 30th, 1892	18	539	914.20					
" " 1893	8	316	1244.32					
" " 1894	15	257	721.56					
" " 1895	15	217	177.40					
" " 1896								
" " 1897								
" " 1898								
" " 1899				5	77	58.80		
" " 1900				23	398	864.63		
" " 1901								
Total	56	1329	3057.48	28	475	923.43		
Credit to Benefit Fund			895.77			783.35		
Credit to Suspense Fund			885.97			463.42		

CLEVELAND CLIFFS IRON COMPANY

Classification of Causes of Accidents for the Year Ending Nov. 30th, 1901

	Minor	Fatal	Total
<u>SUMMARY</u>			
Falls of Ground	26		26
In Shafts	3	2	5
Miscellaneous	92	7	99
Total Underground	121	9	130
Total Surface	24		24
<u>GRAND TOTAL</u>	145	9	154
<u>CLASSIFICATION</u>			
<u>Underground</u>			
<u>Falls of Ground</u>			
Falls of Roof	20		20
Falls of Side	6		6
<u>In Shafts</u>			
Overwinding			
Ropes Breaking			
Going up or Down by Machinery			
Falling into Shafts from Surface			
Things Falling from Surface			
Falling from part way down	1	2	3
Things Falling from part way down	1		1
Miscellaneous in Shaft	1		1
<u>MISCELLANEOUS</u>			
Explosives	3	1	4
Irruptions of Water and Mud		1	1
By Tram Cars and Road	22		22
By Electricity		2	2
By Machinery Underground	11		11
By Loading Ore	30		30
Barring down Rock	5	1	6
Falling down Raise	2	1	3
Falling from Ladder or Staging	1		1
Handling timber or rails	7		7
Miscellaneous	11	1	12
<u>ON SURFACE</u>			
By Machinery	6		6
On Tramway or Railways	9		9
By Loading Ore			
Falling from Ladders or Staging	2		2
Handling Timber or Rails	3		3
Miscellaneous	4		4
<u>GRAND TOTAL</u>	145	9	154
Total - 1900	199	5	204
Total - 1899	151	3	154

THE CLEVELAND CLIFFS IRON COMPANY.

Recapitulation from Accident Reports for the Year Ending November 30th, 1901
 Showing Number of Men Employed, Number of Accidents, and Accidents per
 1000 Men.

	Hard Ore	Lake	Vol.	Imp. & Web.	Mich.	Maas	Cl.S.	Salis	Tild.	Total
UNDERGROUND										
Men Employed	80	434		2	91		245	152		1004
Minor Accidents	14	40			16		42	9		121
Do. per 1000 Men	175	92			176		471	59		119
Do. for 1900	185	128	128	165	77		211	70		140
Fatal Accidents	1	4			1		2	1		9
Do. for 1000 Men	13	9.2			11		8	65		9
Do. for 1900		4.5	6.4				8.3			4
SURFACE										
Men Employed	30	90		2	34	30	74	41	12	313
Minor Accidents	5	8			3	4	3	1		24
Do per 1000	166	89			88	133	41	24		77
Do. for 1900	34	55	31	60	77		51	93		52
UNDERGROUND & SURFACE										
Total Men	110	524		4	125	30	319	193	12	1317
Minor Accidents	19	48			19	4	45	10		145
Do. per 1000	173	92			152	133	141	51		110
Do. for 1900	122	116	100	137	77		171	75		117
Total Accidents	1	4			1		2	1		9
Do. for 1000 Men	9	7.6			8		6.3	5		6.8
Do. for 1900		3.7	4.6				6.2			2.94

THE CLEVELAND CLIFFS IRON COMPANY.

SUPPLEMENTARY ACCIDENT REPORT NOVEMBER 30th, 1901

LOSS TO COMPANY ON ACCOUNT OF ACCIDENT TO EMPLOYEES, 1901.

FATAL ACCIDENTS	Hard Ore	Lake	Imp.& Web.	Mich.	Ma-as	Cliffs Shaft	Sal-is	Til-den	Total
No. Fatal Accidents	1	4		1		2	1		9
No. Men employed	110	524	4	125	30	319	193	12	1317
Time lost by men das.	408	3651		392		582			5033
Avr. prod. per day	254	1588		143		920	607	152	3664
Days Idle	3	8		3		2			16
Tons prod. lost	920	14200		400		1600			17120
Exp. for labor and supplies while mines were idle on account of accidents	182.91	1638.46		141.26		262.91			2225.54
Amt. Benefit Fund Credited to Estate	500.00	2000.00		500.00		1000.00	500		4500.00
Total Expense	682.91	3638.46		641.26		1262.91	500		6725.54
<u>MINOR ACCIDENTS</u>									
No. Minor Accidents	19	48		19	4	45	10		145
Tons Prod. Lost	22	75		12		78	18		205

NOTE:- Includes Insurance, Taxes, Mine Office, General Office, Mining Captain, pumping and stable expense.

NOTE:- One half the Amount Credited to the Estate is contributed by Employees.

COMPARATIVE STATEMENT OF ACCIDENTS

	No. of Fatal Accidents per 1000 men						
	1901	1900	1899	1898	1897	1896	1895
Cleveland Cliffs Iron Co.-All Mines	6.8	2.94	2.39	5.4	9.31	13	2.92
Mines in Marquette County. Report of Mine Inspector.	5.6	3.62	4.59	4.6	4	5.37	3.35

THE CLEVELAND CLIFFS IRON COMPANY.

Amounts paid from Benefit and Suspense Funds for Last Two Years.

MINES	1901		1900		Increase		Decrease	
	Days Lost	Amount	Days Lost	Amount	Days Lost	Amount	Days Lost	Amount
Hard Ore	537	898.50	395	302.68	142	595.82		
Lake	2158	3612.76	2573	3065.84		546.92	415	
Volunteer			398	864.63			398	864.63
Imperial & Webster			410	297.54			410	297.54
Michigamme	659	969.07	172	136.08	487	832.99		
Maas	71	55.68			71	55.68		
Cliffs Shaft	727	1625.26	1818	2641.78			1091	1016.52
Salisbury	530	915.48	642	520.76		394.72	112	
Foster & Tilden			180	150.00			180	150.00
Total	4682	8076.75	6588	7979.31	700	2426.13	2606	2328.69
Net Increase or) Decrease)						97.44	1906	

NOTE:-

Decrease in Amount paid on Account of Minor Accidents	1902.56
Increase " " " " " " Fatal "	2000.00
NET INCREASE	97.44

Credits to Benefit and Suspense Funds November 30th, 1901.

MINES	Benefit	Suspense	Total
Hard Ore	3536.05 ✓	3536.05 ✓	7072.10
Lake	4307.26 ✓	4307.26 ✓	8614.52
Volunteer	783.35 ✓	463.42 ✓	1246.77
Hematite	895.77 ✓	885.97 ✓	1781.74
Imperial & Webster	895.96 ✓	537.61 ✓	1433.57
Michigamme	762.53 ✓	456.52 ✓	1219.05
Cliffs Shaft	1536.19 ✓	1536.19 ✓	3072.38
Salisbury	2801.86 ✓	1562.98 ✓	4364.84
Tilden	394.35 ✓	186.93 ✓	581.28
Maas	188.80 ✓	101.52 ✓	290.32
Total	16102.12	13574.45	29676.57

CLEVELAND CLIFFS IRON COMPANY.

Statement Showing the Amount Paid from Benefit and Suspense Funds,
 Number of Accidents and Time Lost Each Year from December 1st, 1891,
 Also Credits to Benefit and Suspense Accounts November 30th, 1901.

MINES			CLIFFS SHAFT			SALISBURY		
<u>Year Ending</u>	Cases	Days Lost	Amount Paid	Cases	Days Lost	Amount Paid		
November 30th, 1892	51	1827	1384.52	44	1563	1167.54		
" " 1893	29	763	617.56	22	449	2825.52		
" " 1894	6	401	847.64	34	1822	1438.22		
" " 1895	6	280	728.78	28	1589	2481.08		
" " 1896	5	142	97.78	24	674	1628.36		
" " 1897	3	160	120.06	33	868	1165.87		
" " 1898	41	551	1430.02	25	619	2082.70		
" " 1899	50	1121	2516.36	20	537	428.04		
" " 1900	57	1818	2641.78	14	642	520.76		
" " 1901	47	727	1625.26	11	530	915.48		
Total	295	7790	12009.76	255	9293	14653.57		
Credit to Benefit Fund			1536.19	2801.86				
Credit to Suspense Fund			1536.19	1562.98				

MINES			FOSTER and TILDEN			IMPERIAL and WEBSTER		
<u>Years Ending</u>	Cases	Days Lost	Amount Paid	Cases	Days Lost	Amount Paid		
November 30th, 1896	4	120	91.50					
" " 1897	10	267	717.09					
" " 1898	3	387	786.00					
" " 1899	3	155	116.43	4	33	24.49		
" " 1900		180	150.00	18	410	297.54		
" " 1901								
Total	20	1109	1861.07	22	443	322.03		
Credit to Benefit Fund			394.35	895.96				
Credit to Suspense Fund			186.93	537.61				

MINES			MICHIGAMME			MAAS		
<u>Year Ending</u>	Cases	Days Lost	Amount Paid	Cases	Days Lost	Amount Paid		
November 30th, 1900	11	172	136.08					
" " 1901	20	659	969.07	4	71	55.68		
Total	31	831	1105.15	4	71	55.68		
Credit to Benefit Fund			762.53	188.80				
Credit to Suspense Fund			456.52	101.52				

THE CLEVELAND CLIFFS IRON COMPANY.

Statement showing the Amount Paid from Benefit and Suspense Funds,
 Number of Accidents and Time Lost Each Year from December 1st, 1891,
 Also Credits to Benefit and Suspense Accounts November 30th, 1901.

<u>Year Ending</u>	Total C. I. M. Co.			Total I. C. Co.		
	Cases	Days Lost	Amount Paid	Cases	Days Lost	Amount Paid
November 30th, 1892	113	3701	6483.32	95	3390	2552.06
" " 1893	73	3608	3835.50	51	1212	3443.08
" " 1894	56	2212	2603.32	40	2223	2285.86
" " 1895	60	1505	1928.54	34	1869	3209.86
" " 1896	47	1589	4298.08	33	936	1817.64
" " 1897	65	2086	4222.00	46	1295	2003.02
" " 1898	54	1613	1614.56	69	1557	4298.72
" " 1899	81	2109	1634.69	73	1813	3060.88
" " 1900	133	3948	4666.77	71	2640	3312.54
" " 1901	89	3234	5400.09	58	1257	2540.74
Total	771	25605	36686.87	570	18192	28524.40
Credit to Benefit Fund			3739.08			
Credit to Suspense Fund			8729.28			
<u>Year Ending</u>	Total C. C. I. Co.			GRAND TOTAL		
	Cases	Days Lost	Amount Paid	Cases	Days Lost	Amount Paid
November 30th, 1892				208	7091	9035.38
" " 1893				124	4820	7278.58
" " 1894				96	4435	4889.18
" " 1895				94	3374	5138.40
" " 1896				80	2525	6115.72
" " 1897				111	3381	6225.02
" " 1898				123	3170	5913.28
" " 1899				154	3922	4695.57
" " 1900				204	6588	7979.31
" " 1901	7	191	135.92	154	4682	8076.75
Total	7	191	135.92	1348	43988	65347.19
Credit to Benefit Fund			2630.64			
Credit to Suspense "			1559.07			

NOTE:--

Benefit Fund, Amount contributed by Employees.

Suspense Fund, Amount contributed by the Company.

THE CLEVELAND-CLIFFS IRON COMPANY

MICHIGAMME MINE
RECORD OF DELAYS FROM VARIOUS CAUSES, YEAR ENDING NOV.30TH,1901

	Hours Delay	Tons Lost	Percent of Time Lost		
			1901	1900	
Fatal Accidents	60	400	.179		
Skips, Skip Roads & Bell Lines	20	140	.060	.221	
Motors & Cars, Underground (Tracks & Cars)				.008	
Top Tram Engines & Cars	12	80	.036	.033	
Crusher Repairs	5	40	.015	.066	
Car Shortage	8		.023		
Rain & Snow				.016	
Miscellaneous					
TOTAL	105	660	.313	.344	
Holidays	230	1644	.687	.656	
TOTAL INCLUDING HOLIDAYS	335	2304	1.000	1.000	
No. Days 20 Hrs. Pr. Day		16 3/4			
Actual Product For Yr.		34867			
Average Product Pr. Day for Yr.		143			
No. Full Days Worked For Yr.		242 1/4			
Number Days Idle		16 3/4			
Lost Product (Exc. Holidays)		660			
FIXED CHARGES Accounts Not Effectcd When Mines Are Idle			Tons	Cost	Amount
General Expense (Except Analysis & Relief Fund)				.169	5885 13
Maintenance				.140	4890 60
Air Pipes				.004	154 24
Pumping				.154	5383 75
Mining Captain				.048	1500 00
Exploring				.075	2618 27
Depreciation				1.854	64613 14
TOTAL				2.439	85045 13
Total Cost on Stock Pile for Yr. (Actual)			34867	4.560	158969 42
Less Fixed Chgs. Cost Pr. Ton				2.439	
Cost of Lost Product			660	2.121	1399 86
Possible Product & Cost			35527	4.514	160369 28
Loss or Difference Between Actual & Possible Cost & the Amt.			35527	.046	1634 24

THE CLEVELAND-CLIFFS IRON COMPANY

SUMMARY SHOWING TONS PRODUCT LOST BY VARIOUS CAUSES, YEAR ENDING
NOVEMBER 30TH, 1901

	HARD ORE	LAKE	MICHI- GAMME	CLIFFS SHAFT	SALIS- BURY	TILDEN	TOTAL
Holidays	3420	22232	1644	12420	8295	456	48477
Fatal Accidents	920	14200	400	1600			17120
Accidents to Machinery	150	6500	260	6400	1000	30	14340
Other Causes		5500		3000		770	9270
TOTAL TONS	4500	48432	2304	23420	9295	1256	89207

THE CLEVELAND-CLIFFS IRON, COMPANY

STATEMENT OF DELAYS FROM VARIOUS CAUSES YEAR ENDING NOVEMBER
30TH., 1901. AGGREGATE TONNAGE AND FINANCIAL LOSS TO
MINES DUE TO DELAYS (EXCLUDING HOLIDAYS)

<u>MINES</u>	Tons Lost	# COST PER TON				
		Actual	Possible	Loss	Amount	
Hard Ore	1070	1.331	1.328	.003	231	47
Lake	26200	1.012	.998	.014	6931	16
Cliffs Shaft	11000	1.078	1.069	.009	2558	41
Salisbury	1000	.967	.965	.002	363	84
Tilden	800	.373	.370	.003	34	33
Michigamme	660	4.560	4.514	.046	1634	24
TOTAL	40730	1.157	1.144	.013	11753	45

Cost per ton on Stock File

AGGREGATE TONNAGE LOST BY VARIOUS CAUSES
(Excluding Holidays)

<u>C A U S E</u>	Tons Lost	Per Cent	Approx. Finan. Loss	
Fatal Accidents	17120	42	4936	45
Accidents to Machinery	14340	35	4113	71
Other Causes	9270	23	2703	29
TOTAL	40730	100	11753	45

STATEMENT SHOWING ESTIMATED FINANCIAL LOSS DUE TO DELAYS
TO MEN AND TO MACHINERY AND PLANT FOR THE
YEAR ENDING NOVEMBER 30TH., 1901

	1901		1900	
Total Loss as Per Statement	11753	45	4815	31
Cash Paid by Co. acct. Fatal Accidents	2125	00	1187	50
" " " " " Minor "	1670	84	2555	99
Cost of Repairing Damage to Machinery & Plant	1622	57	1173	08
Cost To Company	17171	86	9731	88
Cash Paid by Employees Acct Fatal Accidents	2375	00	1312	50
" " " " " Minor "	1905	91	2923	32
Cost to Company & Employees	21452	77	13967	70
Lost Profit on Lost product	—	—	—	—
TOTAL LOSS	—	—	—	—

MADE IN U.S.A.

Statement of ASHLAND ore for year ending Nov. 30, 1901.

	<u>Tons</u>	<u>Tons</u>
In stock at mine Jan'y 1, 1901	31391	
Produced during year	<u>21271</u>	
Total Ashland		<u>252662</u>
Other ores transferred to Ashland		
Taylor Ore - As per weekly Mine Report	1954	
Aug. 3 "CHOCTAW" Taylor ore	339	
" 6 "BARTLETT" "	<u>401</u>	
Total Taylor		<u>2694</u>
Total		<u>255356</u>
Shipped		
Ashland Iron & Steel Co.	3605	
Toledo	9857	
Lorain	4295	
Cleveland	191920	
Ashtabula	25717	
Erie	2996	
Buffalo	<u>7755</u>	
Total Shipped		246145
Balance in W. C. Dock Nov. 30, 1901		933
In stock at mine Nov. 30, 1901		<u>8278</u>
Total		<u>255356</u>

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Statement of ABBOTSFORD ore for year ending Nov. 30, 1901.

	<u>Tons</u>	<u>Tons</u>
G.C.I.Co.'s proportion	22000	
Received from Lake Superior Iron Co.		<u>20820</u>
Amount still due	1180	

Shipped

Lorain	12790	
Cleveland	<u>8030</u>	
Total		<u>20820</u>

Statement of BEDFORD ore for year ending Nov. 30, 1901.

	<u>Tons</u>	<u>Tons</u>
G.C.I.Co.'s Proportion	50000	
Received from Lake Superior Iron Co.		<u>45525</u>
Amount still due	4475	

Shipped

Carp Furnace	5182	
Spring Lake Iron Co.	<u>5823</u>	
Total Bedford		11005
Bedford as Salisbury		<u>34520</u>
Total		<u>45525</u>

Statement of CHATFORD ore for year ending Nov. 30th, 1901.

	<u>Tons</u>	<u>Tons</u>
C.C.I.Co.'s Proportion	10000	
Received from Lake Superior Iron Co.		<u>8586</u>
Amount still due	1414	
<hr/>		
Shipped		
Antrim Iron Company	586	
Elk Rapids Iron Company	<u>8000</u>	
Total		<u>8586</u>

Statement of ALFORD ore for year ending Nov. 30th, 1901.

	<u>Tons</u>	<u>Tons</u>
C.C.I.Co.'s Proportion	35000	
Received from Lake Superior Iron Company		<u>34980</u>
Amount still due	20	
<hr/>		
Shipped		
Toledo		2779
Alford as Lake Bessemer		<u>32201</u>
Total		<u>34980</u>

Statement of BERESFORD ore for year ending Nov. 30, 1901.

	<u>Tons</u>	<u>Tons</u>
C.C.I.Co.'s Proportion	20000	
Received from Lake Superior Iron Co.		<u>19998</u>
Amount still due	2	

Shipped		
Beresford as Crushed Cliffs S.		<u>19998</u>

Statement of CASTLEFORD for year ending Nov. 30th, 1901.

	<u>Tons</u>	<u>Tons</u>
C.C.I.Co.'s Proportion	25000	
Received from Lake Superior Iron Co.		<u>0</u>
Amount still due	25000	

Statement of FOSTER ore for year ending November 30, 1901.

	<u>Tons</u>	<u>Tons</u>
In stock at mine Dec. 1, 1900	2329	
Est. Overrun on stockpile	<u>11870</u>	
Total		<u>14199</u>
Shipped		
Pioneer Furnace	4653	
Antrim Iron Company	8346	
Total shipped		12999
In stock at mine Nov. 30, 1901		<u>1200</u>
Total		<u>14199</u>

Statement of TILDEN SILICA for year ending Nov. 30, 1901.

	<u>Tons</u>	<u>Tons</u>
Produced during year		<u>10642</u>
Shipped		
Pioneer Furnace	803	
Elk Rapids Iron Co.	1997	
Cleveland	4205	
Ashtabula	759	
Deseronto Iron Co., Ltd.	<u>2878</u>	
Total Shipped		<u>10642</u>

THE CLEVELAND-CLIFFS IRON COMPANY.

Report of ores received and shipped from the Lake Superior and Regent Mines for the
season ending Dec. 11th, 1901.

	Abbot- sford	Bed- ford	Chat- ford	Al- ford	Beres- ford	Castle ford	Buff- alo &	Cameo	
C.C.I.Co.'s Proportion	22000	50000	10000	36000	20000	25000	60000	15000	
Shipped by Vessel & Rail	20820	11005	3586	2779					
Vessel & Rail - Mixed Grades		34520		32201	19998		64645	10335	
Total	20820	45525	3586	34980	19998		64645	10335	
Amount still due	1180	4475	1414	20	2		20		

SUMMARY OF SHIPMENTS IN TONS AND POUNDS.

GRADES	TONS	POUNDS
Abbotsford	20819	1640
Bedford	45524	780
Chatford	3585	2130
Alford	34980	500
Beresford	19998	330
Buffalo	64644	1190
Cameo	10335	1050
Total	204388	900

Statement of VOLUNTEER ore for year ending Nov. 30, 1901.

	<u>Tons</u>	<u>Tons</u>
In stock at mine Dec. 1, 1900		<u>18723</u>
In stock at mine Nov. 30, 1901		<u>18723</u>

Statement of COMRADE ore for year ending Nov. 30, 1901.

	<u>Tons</u>	<u>Tons</u>
In stock at mine Dec. 1, 1900		<u>23329</u>
In stock at mine Nov. 30, 1901		<u>23329</u>

Statement of IMPERIAL ore for year ending Nov. 30, 1901.

	<u>Tons</u>	<u>Tons</u>
In stock at mine Dec. 1, 1900		<u>7509</u>
In stock at mine Nov. 30, 1901		<u>7509</u>

THE CLEVELAND-CLIFFS IRON CO.

SUMMARY OF ORE STATEMENTS FOR SEASON 1901

Showing amount of our grades produced, shipped, and in stock. Also foreign ores shipped as our grades and as straight foreign grades.

	In stock Dec.1,1900	Product for year	Foreign ores & transfers	Total	Shipments by vessel and all rail	In stock Nov.30,1901
Scotch	3147	76085		79232		79232
Michigamme(In C&NW Dock)	198					252
Michigamme	1 748	34867		35813	24483	11078
Volunteer	18723			18723		18723
Comrade	23329			23329		23329
Lake Bessemer	19400 ✓	187400	130873	337673	334202 ✓	3471
Lake	40319 ✓	282680 ✓	3129	326128	206583 ✓	119545 ✓
Imperial	7509	<u>470080</u>	<u>134002</u>	7509	<u>540785</u>	7509
Cliffs Shaft	75594	273268	19998	368860	244415 ✓	124445
Salisbury Bessemer	16297	86181	98672 #	3806	0	3806
Salisbury	4234	96196	109500 ?	206801	184897 ?	21904
1 Salisbury No. 3	5538	x 311	<u>182688</u> <u>3129</u> #	5227	5227	0
2 Foster	2329	x 11870		14199	12999 ✓	1200
Tilden Silica		10642		10642	10642 ✓	0
Ashland (In W.C. Dock)						933
Ashland	31391	221271	2694	255356	246145 ✓	8278
Taylor	11053	55875	9561 #	57367	30787 ✓	26580
Globe		2600	6867	9467	9467 ✓	0
Abbotsford			20820	20820	20820	0
Bedford			11005	11005	11005	0
Chatford			8586	8586	8586	0
Alford			2779	2779	2779	0
	259809	1338624	204889	1803322	1353037	450285

- 1 Stockpile Shortage x 311 tons
- 2 Stockpile Overrun x 11870 tons

Amounts underscored in red are transfers from.

287332
933
286399

286399

Statement of TAYLOR ore for year ending Nov. 30, 1901

	<u>Tons</u>	<u>Tons</u>
In stock at mine Jan'y 1, 1901	11053	
Produced during year	<u>55875</u>	
Total		<u>66928</u>
Shipped		
Ashland Iron & Steel Co.	909	
Cleveland	<u>29878</u>	
Total Shipped		<u>30787</u>
Taylor ore transferred to other ores		
Ashland - As per Weekly Mine Report -	1954	
Globe - As per Weekly Mine Report -	6867	
Aug. 3 - "CHOCTAW" Ashland	339	
Aug. 6 - "BARTLETT" Ashland	<u>401</u>	
Total as other ores		9561
In stock at mine Nov. 30, 1901		<u>26580</u>
Total		<u>66928</u>

Statement of GLOBE ore for year ending Nov. 30, 1901.

	<u>Tons</u>	<u>Tons</u>
In stock at mine Jan'y 1, 1901		2600
Other ore transferred to Globe		
Taylor - As per Weekly Mine Report -		<u>6867</u>
Total		<u>9467</u>
Shipped		
Ashland Iron & Steel Co.		<u>9467</u>

Okland Mine

November 25th, 1901.

MEMORANDUM IN REFERENCE TO INVENTORY.

GENERAL SUPPLY ACCOUNT.

Separate all items on this inventory ~~and~~ such material as we are not using by reason of having become antiquated or where some other size has been substituted for that particular purpose. The list of antiquated material to follow the list of supplies.

PRICES AND DISCOUNTS.

The price at which material will be extended is to be the lowest price at which such material has been purchased during this year or inventoried on the inventory of May 1st. Where discounts are used instead of net prices, take the highest discount at which goods ^{were} ~~are~~ purchased or inventoried. The order in which items are to appear on the inventory is to be taken from the inventory of May 1st. and made up on that general form.

The discount on Mine equipment to be as follows:

Portable Machinery		25%
Diamond Drills		95"
Power Drills	<i>(new Drills 10%)</i>	<i>old.</i> 25"
Steam Shovel		40"
Car, Skips & Derricks		50"
Horses & Harness		25"
Carts, Wagons & Sleighs		75"

The price at which the different items are to be extended to be the same as the inventory of May 1st. In the case of the new power drills purchased during the year these are to follow the old drills left over from the May 1st. inventory, and discount of 10% to be deducted from the purchase price.

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The discount on mine timber under supplies-to be depreciated 25% owing to the estimated amount of timber which has been in stock for sometime and is no longer useful for timbering purposes, and will be converted into boiler wood. When this timber is cut for the boilers there will be no charge made to the fuel account beyond the labor of cutting and teaming to deliver same to the boiler house.

LINEN BOND

THE CLEVELAND-CLIFFS IRON CO.

Ishpeming, Mich., Nov. 27, 1901.

Memorandum of Disposition of Accounts for closing Nov. 30, 1901
with R. C. Mann, Auditor & M. M. Duncan, Agent, Nov. 21 - 23, 1901.

- STEAM SHOVEL - Iron Cliffs Company. To charge off one-fifth of original cost this year, will be closed off in 1902. Cleveland Iron Mg. Co. To charge off 50% of amount carried (\$4728.91) this year, will be closed off in 1902.
- ELECTRIC POWER MACHINERY - "Motor No. 3" To charge balance (\$368.45) in November, 1901, instead of closing in Nov. 1902.
"Motor No. 4" To charge off \$780.92 in Nov., 1901, instead of closing in 1904.
"Motor No. 5" To close off 50% of balance (\$661.38) in 1901, to close off in 1902, instead of 1904.
- MAIN LINE CARS - Lot No. 2 - 15 cars- purchased in August, 1901. Cost \$2725.80, to close off in 1901.
- BOARDING HOUSE - Balance \$1638.54, to close off in 1901, to Treasurer's Account.
- LAKE TRACK SYSTEM - Our one-third closed off in 1901.
- RIGHT OF WAY LAKE TRACKS - Amount \$72.46 to close off in 1901. (Expense of looking up new route 1897)
- STOCKING ORE PRESQUE ISLE - Is carried as Lake account built in 1901, to carry over to 1902.
- LAKE ANGELINE DRAINAGE ACCTS - "Permanent Pumping Plant East End"- Proposed- Expense in 1900. Our proportion, two-thirds, \$332.54, to close off in 1901.
"New Launder" South side of Lake. Built in 1900-01. Our proportion (\$5587.44) to charge one-half in 1901, balance in 1902. Includes also tunnel.
"Operating and Maintaining Emergency Plant No. 2" by L. S. I. Co. - will be closed off in 1901.
- OPENING MICHIGAMME MINE - Balance Oct. 31st, \$73591.65, after crediting the sale of plant and equipment and inventory, the balance to be charged off on November Cost Sheet.
- DIAMOND DRILLS - To depreciate the amount received for rental, if sufficient to cover discounts as given on Inventory Sheets.
- MAAS-NEW CONSTRUCTION - To carry over.
- MAAS-CITY LOTS & HOUSES - To make detail of expenditures and close to

Treasurer; also close rents to Treasurer.

NEW HOUSE - 2ND ADDITION - To carry over.

AGGREGATE AMOUNT OF DEDUCTIONS AS PER ABOVE LIST.

Steam Shovels	3882.13
Electric Power Machinery	1810.75
Main Line Cars	2725.80
Lake Track System	280.70 <i>Less charged Oct 141.00</i>
Right of Way Lake Tracks	72.46
Lake Angeline Drainage Accts.	<u>3126.26</u>
	\$11893.10

INVENTORY - MEMORANDUM.

Following are discounts to be deducted from Equipment accounts for 1901. Showing also discounts deducted in 1900, and amount of Approximate deduction for 1901.

HARD ORE	Discount 1901	Discount 1900	Deductions 1901
Diamond Drills - old -	100%	90%	\$152.90
" " Rods bought in 1900	25	11)	
" " 3 new Sullivan	25	11)	1035.00
Cars Skips and Derricks	100	89.8	84.22
Portable Machinery	50	30	552.97
" "	90	85	159.43
" "	20	10	90.83
Carts Wagons and Sleighs	90	80	59.53
" " " "	75	50	98.13
Horses	75	60	80.51
"	50	30&25	<u>237.50</u>
			\$2551.02
LAKE MINE			
Power Drills	95	90	101.99
Cars Skips & Derricks	95	85	642.80
Portable Machinery	95	80	943.71
Carts Wagons & Sleighs	100	10	<u>81.51</u>
			\$1770.01

CLIFFS SHAFT	Discount 1901	Discount 1900	Deductions 1901
Diamond Drills	100	90	10.99
Power Drills	60	40	1549.94
" "	100	Net	140.00
Cars Skips & Derricks	95	90	63.58
" "	90	70	218.21
Portable Machinery	100	90	184.00
" "	50	20	137.32
Horses	75	55	126.00
Carts Wagons and Sleighs	95	90	10.38
" "	75	50	116.53
			<u>2556.95</u>

SALESBURY	Discount 1901	Discount 1900	Deductions 1901
Power Drills	100	95	46.84
" "	50	20	74.16
Horses	80	65	99.80
Carts Wagons and Sleighs	100	90	15.65
			<u>236.45</u>

ANTIQUATED MATERIAL	Discount 1901	Discount 1900	Deductions 1901
Hard Ore	100	Net	385.14
Lake	100	Net	47.54
Cliffs Shaft	100	Net	201.61
Salisbury	100	Net	9.10
			<u>643.39</u>

SUMMARY OF DEDUCTIONS FOR 1901.

Miscellaneous, Equipment and New Construction	11898.10
Hard Ore Equipment	2551.02
Lake "	1770.01
Cliffs Shaft "	2556.95
Salisbury "	236.45
Antiquated Supplies, etc.	643.39
	<u>19655.92</u>
Less earnings by rental of D. Drills	2250.00
Total	<u>17405.92</u>

(Exclusive of Ashland Mine)

Plus item of tram cars not considered	150.60
Boarding House, closed to Treasurer's Acct.	1638.54
Opt. & Mill. Com. Plant No. 2 not considered	1077.07
	<u>2027.13</u>
Less item "Track System"	141.00
Approx. Depreciation for Nov. 01	<u>20136.13</u>

BALANCE SHEETS, ETC.

CONSULTING GEOLOGIST - Charge General Office-One-third to each Company.

OPERATING HEMATITE - Make entry for insurance and taxes in November each year. Same for Foster. Also for Imperial and Webster. Annual Cost Sheets only-while miners are idle.

HOSPITAL BUILDING - Charge to Maintenance each mine, on percentage basis of General Expense.

REVENUE TAX - Credit general Expense charge Internal Revenue Collector, less 5% for express, etc.

FIRE LOSS - To remain open. At Michigamme this belongs to Michigamme Company, to be closed off to them.

INSURANCE - At Imperial and Webster close Insurance paid in Nov. accts. In case of rents, hold, but send cost sheet in blank, stating "No charges for month"

SHOP ACCOUNTS - To charge all mines on basis of cost.

MADE IN U.S.A.

The Cleveland-Cliffs Iron Co.

Statement showing amount and cost of coal used, and Pounds of Coal Per Ton of Ore, at various mines for the year ending November 30th 1901.

	Product	Tons Coal	Price	Amount	Pounds Coal Per ton of Ore
Mow.	76085	3336	2.872	9579 53	54.69
Lake	468883	8699	2.749	23913 75	37.11
Cliffs Shaft	773.768	7391 ^{1/2}	2.838	20981 08	54.09
Salisbury	180.918	3686	3.017	11177 71	40.75
Ashland	167.638	4415	3.853	17076 14	54.30
<u>Total.</u>		1536 840 tons	2.154	3308 40	
	1161.792	27,527 ^{1/2}	^{Coal} 3.001	^{Coal} 82,617 51	47.38

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

Analysis of Donation Account for Year Ending November 30th, 1901.

	C.I.M. Co.	I.C.Co.	C.C.I. Co.	Total	Total 1900
Garfield Club	123.60	123.59	53.17	300.36	238.46
Sons of St. George	16.68	16.66	16.66	50.00	
Ski Tournament	25.00	25.00		50.00	
Spring Election	271.83	255.69	5.42	532.99	579.28
Fire Dept.--Annual Ball	8.33	8.34	8.33	25.00	25.00
" " Cliff Shaft Crusher Fire		50.00		50.00	
Legislative Pasty	1.50	1.50		3.00	
Michigamme Fourth of July			25.00	25.00	25.00
John McLean, Ashland a/c			97.40	97.40	
Searching for bodies at Lake Michigamme			25.90	25.90	
Visitors from South Africa					8.00
Grand Army of the Republic					30.00
Ishpeming City Band					25.00
Modern Woodmen of America					25.00
Fall Election					100.00
National Convention					280.25
Michigamme Election					25.00
County Convention					7.70
State Convention					474.00
<u>Total</u>	446.99	480.78	231.38	1159.65	1842.69

CLEVELAND IRON MINING CO.

and

IRON CLIFFS COMPANY.

Analysis of Legal Expense year ending Nov. 30, 1901.

Cleveland Iron Mg. Co.

\$300.00 Hayden Expense Assoc. Counsel

7.96 Young 1/3 of bills for services in City Matters

\$307.96

Iron Cliffs Co.

300.00 Hayden Expense Assoc. Counsel

7.96 Young 1/3 of bills for services in City Matters

15.00 Hayden Elson Garnishee Case J. C. Wood

\$322.96

Cleveland-Cliffs Iron Co.

Ashland Mine.- Fees in J. H. Vern Case \$2.50

CLEVELAND IRON MINING COMPANY, IRON CLIFFS COMPANY and THE CLEVELAND

CLIFFS IRON COMPANY

Recapitulation of Inventory Accounts, Showing Amount

on Hand at Close of Each Year from 1897 to 1901.

CLEVELAND IRON MINING CO.	1901	1900	1899	1898	1897
<u>SUPPLIES</u>					
Hard Ore Mine	23676.57	17207.76	16847.87	9255.57	12465.64
Lake Mine	44383.81	36408.80	25089.59	15223.69	13783.63
Total	68060.38	53616.56	41937.46	24479.26	26249.27
<u>MINE EQUIPMENT</u>					
Hard Ore Mine	9399.75	11634.85	5758.58	4161.86	4607.40
Lake Mine	1068.98	2507.97	3528.51	4475.17	13993.41
Total	10468.73	14142.82	9287.09	8637.03	18600.81
<u>SCRAP</u>					
Hard Ore Mine	464.25	240.96	25.50	3.96	236.00
Lake Mine				32.13	72.66
Total	464.25	240.96	25.50	36.09	308.66
TOTAL C. I. M. Co.	78993.36	68000.34	51250.05	33152.38	45158.74
<u>IRON CLIFFS COMPANY</u>					
<u>SUPPLIES</u>					
Cliffs Shaft Mine	36039.94	35341.45	35814.66	18459.83	14049.18
Salisbury Mine	8960.11	12120.13	10872.42	11806.35	15054.92
Total	45000.05	47461.58	46687.08	30266.18	29104.10
<u>MINE EQUIPMENT</u>					
Cliffs Shaft Mine	3785.85	6342.80	7126.88	6061.40	3431.53
Salisbury Mine	339.39	493.12	366.82	815.96	2300.33
Total	4125.24	6835.92	7493.70	6877.36	5731.86
<u>SCRAP</u>					
Cliffs Shaft Mine	236.37	131.03	10.99		119.00
Salisbury Mine	105.00	84.00	29.70		125.14
Total	341.37	215.03	40.69	45.41	244.14
TOTAL IRON CLIFFS CO.	49466.66	54512.53	54221.47	37188.68	35080.10
<u>THE CLEVELAND CLIFFS IRON CO.</u>					
<u>SUPPLIES</u>					
Michigan Mine	3269.52	14711.79	8094.72		
Imperial Mine	2571.25	3820.96	2670.83		
Maas Mine	3215.40				
Ashland Mine	23080.45				
Total	32136.62	18532.75	10765.55		
<u>MINE EQUIPMENT</u>					
Michigan Mine	13009.71	414.35			
Ashland "	13059.94				
Total	26069.65	414.35			
TOTAL C. C. I. Co.	58206.29	18947.10	10765.55		
GRAND TOTAL.	186666.31	141459.97	116237.07	70341.06	80238.84

64 A

RECOMMENDATION FOR HANDLING FARM ACCOUNTS.

.Divide operations into three accounts, viz.-

Farm, Dairy, Sheepraising.

Farm account to include expense of raising the whole crop and placing same in barn, and receive credit for same at market price less cost of hauling to market.

Dairy account will include maintaining the stock and making the butter, and will be credited with sales of butter and increase of stock.

Sheep-raising will be cost of maintaining the sheep, and will be credited with sales, and increased value of stock.

We will keep the results in detail as much as possible.

65-

Negaunee, Michigan.

Nov., 18th. 1901.

Recommendation of division of expense of looking after
lands of the different companies.

Cleveland-Cliffs Iron Co.	.4
Iron-Cliffs Co.	.3
Cleveland Iron Mining Co.	.1
Munising Company	.2

10

JAPANESE LINE

RECOMMENDATIONS FOR TAKING OF INVENTORY.

General Supplies	Depreciation	80%
Barn	"	80%
Warehouse	"	25%
Greenhouse	Cost and labor added, not to exceed 1-3 of retail value	
Nursery	" " " "	
Bone fertilizer	Place at 25 [¢] per ton.	

FARM.

Live Stock	At market value.	
Tools and Implements, New at cost price, - old at		25% <i>dis</i>
Farm crop,	At market price less value of hauling to market.	
Dairy Supplies,		25% <i>dis</i>

The Cleveland-Cutts Iron Co.

Statement of the Profit on the Marquette Deal

62 Bonds, cost us	55,300.00	
Turned back by us at par	62,000.00	
Profit		6,700.00

Amount of Wells claims and as turned over by us to the C.R.	168,542.02	
Amount we allowed Scott in settlement of above	160,000.00	
Profit		8,542.02

11 Bonds, cost the Marquette Co.	9,100.00	
Turned back by us at par	11,000.00	
Profit		1,900.00

Total Profits		17,142.02
---------------	--	-----------

Add Interest due on the Bonds to time of settlement	4,158.67	
---	----------	--

" " " their note to Nov 30 th 1901	31,218.29	
---	-----------	--

Total Credits		52,518.98
---------------	--	-----------

Less Dundry Expenses in connection with the deal	5,801.31	
--	----------	--

Net Credit		\$ 46,717.67
------------	--	--------------

STATEMENT OF COAL PURCHASED.

During Year Ending December 31st, 1901.

COST F.O.B. CARS AT MINES.

Name of Shipper	Grade	Tons	Pounds	Price	Amount
Pickands, Mather & Co.	1 1/4	6284	1820	3.02	18971.33
" " "	(1 1/4				
" " "	(3/4	1843	800	2.96	5456.46
" " " Michigamme	3/4	(498	(190	(3.60	(1793.13
" " " Ishpeming	3/4	(1362	(800	(3.09	(4206.36
" " " TOTAL	(1 1/4				
" " " "	(3/4	9988	1710	3.05	30427.78
" " " "	Slack	13698	1600	2.37	32443.47
M. A. Hanna & Co.	1 1/4	1535	1220	3.00	4606.82
M. A. Hanna & Co. (Dillon)	3/4	689	400	2.85	1964.22
TOTAL LAKE DELIVERY		25912	930	2.68	69442.29
<u>Local Purchases</u>					
James Pickands & Co.	1 1/4	761	300	3.65	2774.92
" " "	1 1/4	99	100	3.95	397.41
TOTAL LOCAL PURCHASES		860	400	3.69	3172.33
TOTAL LOCAL & LAKE PURCHASES		26772	1330	2.71	72614.62
(Average Price for 1900,-				3.08)	

Coal Delivered to Various Mines during Year Ending Dec. 31st, 1901.

MINE	1 1/4 & 3/4 Coal			Slack Coal			Total Cost		
	Tons	Lbs.	Amount	Tons	Lbs.	Amount	Tons	Lbs.	Amount
Moro	2742	1850	8216.69	833	980	1971.92	3576	830	10188.61
Lake	90	910	277.99	9948	1430	23569.56	10039	340	23847.55
Michigamme	764	1160	2837.70				764	1160	2837.70
Cl. Shaft	6145	840	18388.91	2020	390	4796.98	8165	1230	23185.89
Salisbury	2772	1490	8405.30	896	800	2125.01	3669	290	10530.31
Tilden	45	850	136.90				45	850	136.90
Maas Expl.	512	630	1887.66				512	630	1887.66
Total	13073	1730	40151.15	13698	1600	32463.47	26772	1330	72614.62
Total-1900	18965	1275	62406.09	11778	900	32390.77	30744	175	94796.86

CLEVELAND CLIFFS IRON COMPANY

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

General and Mine Office	1901	
Superintendent	1716.04	1
Clerks	3788.71	1
Master Mechanic	560.07	13
Watchman	584.35	1
Choreman	85.52	1
Stationery and Printing	387.63	2
Telephones and Telegraphing	201.40	6
Traveling	549.62	1
Fuel and Light	87.91	5
Water and Ice	27.08	5
Livery and Stable Expense	319.48	13
Postage and Box Rent	75.03	3
Papers and Periodicals	1.67	5
Freight and Express	19.85	15
Donations	231.88	12
Petty Office Expense	42.85	5
Exchange	184.00	111
Revenue Tax	18.02	21
Office Furniture and Fixtures	160.85	4
Legal	2.50	8
Miscellaneous	211.14	21
Janitor	45.30	5
Total	9300.90	9289.40
<u>General Expense Accounts</u>		
Fire Insurance	282.38	
Boiler Insurance	25.05	
Taxes	18784.51	
Engineering	2265.02	
Analysis	1740.37	
Relief Fund	175.50	
Total	23272.83	
Superintendent - Ashland Mine	1575.23	1
Master Mechanic " "	587.93	17
Master Mechanic - Michigamme Mine	64.22	17
Grand Total	34801.11	2227.28

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY
DIVISION OF MINING & MINERAL RESOURCES

To be returned PROMPTLY in accompanying franked envelope to JOHN BLANKSHINE,
604 Mylons' Temple, Broad and Cherry Streets, Philadelphia, Pa.

IRON ORE

Statistics of IRON ORE MINED during the year ending Dec. 31st, 1901, at the

Cleff Shaft

(Give name or designation of mine.)

Located at Ishpeming

County of Marcussett State of Mich

Information supplied by Mingsbacher, Geo

Cleveland, O

(Sign here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES
OF THE UNITED STATES, 1901" to be published by the United States Geological Survey.

A. Understate character of iron ore produced, and if more than one of the following
types is mined, give amount of each:--

LIGNITE, BROWN HEMATITE, or SOG ORE.

RED HEMATITE, SPECULAR or FOSSIL ORE.

MAGNETIC ORE.

CARBONATE OR BLACK BAND ORE.

B. State total amount of marketable iron ore mined produced during the year ending
December 31st, 1901. 274,259 Gross tons.
(If none, so state)

Also stock of iron ore on hand at MINE, Dec. 31st, 1901. 145,900 Gross tons.
(If none, so state.)

C. Give total value in care or parts AT THE MINE of the iron ore produced during
the year ending Dec. 31st, 1901, royalty if any, included, but exclusive of hauling to
points of shipment or consumption. The gross commercial value of the ore at the mine
at the cost or profit in sales for. \$ 713,073.40

D. Is there objection to the FIGURES OF OUTPUT ONLY being credited to your mine, in
the report when published? Answer- No

	1900	1901
Value	3.20	2.60

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CONFIDENTIAL

DEPARTMENT OF THE INTERIOR.
UNITED STATES GEOLOGICAL SURVEY
DIVISION OF MINING & MINERAL RESOURCES.

To be returned PROMPTLY in accompanying franked envelope to JOHN BIRKINBINE,
Old Fellows' Temple, Broad and Cherry Streets, Philadelphia, Pa.

IRON ORE.

Statistics of IRON ORE MINED during the year ending Dec. 31st, 1901, at the

Salisbury
(Give name of locality of Mine.)

Located at Spensburg

County of Marquette State of Mich.

Information supplied by Wm. Guath, Trust
Cleveland, Ohio

(Sign here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES
OF THE UNITED STATES, 1901" to be published by the United States Geological Survey.

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

LIMONITE, BROWN HEMATITE, or BOG ORE.

RED HEMATITE, SPECULAR or POSSID ORE.

MAGNETIC ORE.

CARBONATE OR BLACK BAND ORE.

B. State total amount of marketable iron ore mined or produced during the year ending
December 31st, 1901. 181,019 Gross tons.
(If none, so state.)

Also stock of iron ore on hand at MINE, Dec. 31st, 1901. 38,233 Gross tons.
(If none, so state.)

C. Give total value on cars or carts AT THE MINE of the iron ore produced during
the year ending Dec. 31st, 1901, royalty if any, included, but exclusive of hauling to
points of shipment or consumption. The gross commercial value of the ore at the mine,
NET the cost or profit is asked for. \$ 475,444.25

D. Is there objection to the FIGURES OF OUTPUT ONLY being credited to your mine, in
the report when published? Answer - No

		1900 Price	1901 Price
Salisbury Reservoir	90,725	44.00	3.25
Salisbury How-	90,294	42.60	2.00
Total 1901-	181,019		

No. 188

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DEPARTMENT OF THE INTERIOR,
UNITED STATES GEOLOGICAL SURVEY
DIVISION OF MINING & MINERAL RESOURCES

To be returned PROMPTLY in accompanying franked envelope to JOHN BIRKINBINE,
33d Fellows' Temple, Broad and Cherry Streets, Philadelphia, Pa.

IRON ORE

Statistics of IRON ORE MINED during the year ending Dec. 31st, 1901, at the

Belden

(Give name or designation of Mine.)

Located at

Spurning

County of

Marquette

State of

Michigan

Information supplied by

D. M. Guather Pres

Cleveland Ohio

(Sign here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES
OF THE UNITED STATES, 1901" to be published by the United States Geological Survey.

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

LIMONITE, BROWN HEMATITE, or BOG ORE.

RED HEMATITE, SPECULAR or FOSSIL ORE.

MAGNETIC ORE.

CARBONATE OR BLACK BAND ORE.

B. State total amount of marketable iron ore mined or produced during the year ending
December 31st, 1901. Temporarily suspended 10,642. Gross tons.
(If none, so state)

Also stock of iron ore on hand at MINE, Dec. 31st, 1901. none 40,642 Gross tons.
(If None, so state.)

C. Give total value on cars or carts AT THE MINE of the iron ore produced during
the year ending Dec. 31st, 1901, royalty if any, included, but exclusive of hauling to
points of shipment or consumption. The gross commercial value of the ore at the mine,
NOT the cost or profit is asked for. \$ 7,981.50

D. Is there objection to the FIGURES OF OUTPUT ONLY being credited to your mine, in
the report when published? Answer No

	1900	1901
Iron	1,00	75

DEPARTMENT OF THE INTERIOR,
UNITED STATES GEOLOGICAL SURVEY
DIVISION OF MINING & MINERAL RESOURCES.

To be returned PROMPTLY in accompanying franked envelope to JOHN BIRKINBINE,
Odd Fellows' Temple, Broad and Cherry Streets, Philadelphia, Pa.

IRON ORE.

Statistics of IRON ORE MINED during the year ending Dec. 31st, 1901, at the

Cleveland Lead Ore. (Moro)

(Give name or designation of Mine.)

Located at Shperring Mich

County of Marquette State of Mich

Information supplied by M. G. Guather, Trust
Cleveland W

(Sign here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES
OF THE UNITED STATES, 1901" to be published by the United States Geological Survey.

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

LIMONITE, BROWN HEMATITE, or BOG ORE.

RED HEMATITE, SPECULAR or FOSSIL ORE.

MAGNETIC ORE.

CARBONATE OR BLACK BAND ORE.

B. State total amount of marketable iron ore mined or produced during the year ending
December 31st, 1901. 7,681.5 Gross tons.
(If none, so state)

Also stock of iron ore on hand at MINE, Dec. 31st, 1901. 855.42 Gross tons.
(If None, so state.)

C. Give total value on cars or carts AT THE MINE of the iron ore produced during
the year ending Dec. 31st, 1901, royalty if any, included, but exclusive of hauling to
points of shipment or consumption. The gross commercial value of the ore at the mine,
NOT the cost or profit is asked for. \$ 203,559.75

D. Is there objection to the FIGURES OF OUTPUT ONLY being credited to your mine, in
the report when published? Answer- No

	1900	1901
Prod.	325	265

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DEPARTMENT OF THE INTERIOR.
UNITED STATES GEOLOGICAL SURVEY
DIVISION OF MINING & MINERAL RESOURCES.

To be returned PROMPTLY in accompanying franked envelope to JOHN BIRKINBINE,
Old Fellows' Temple, Broad and Cherry Streets, Philadelphia, Pa.

IRON ORE.

Statistics of IRON ORE MINED during the year ending Dec. 31st, 1901, at the

Cleveland Lake

(Give name or designation of Mine.)

Located at Sperring

County of Marquette State of Michigan

Information supplied by Amos A. Grist

Cleveland, Ohio

(Sign here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES
OF THE UNITED STATES, 1901" to be published by the United States Geological Survey.

A. Under score character of iron ore produced, and if more than one of the following
kinds is mined, give amount of each:---

LIMONITE, BROWN HEMATITE, or BOG ORE.

RED HEMATITE, SPECULAR or FOSSIL ORE.

MAGNETIC ORE.

CARBONATE OR BLACK BAND ORE.

B. State total amount of marketable iron ore mined produced during the year ending
December 31st, 1901. 468,333 Gross tons.
(If none, so state.)

Also stock of iron ore on hand at MINE, Dec. 31st, 1901. 151,904 Gross tons.
(If None, so state.)

C. Give total value on cars or carts AT THE MINE of the iron ore produced during
the year ending Dec. 31st, 1901, royalty if any, included, but exclusive of hauling to
points of shipment or consumption. The gross commercial value of the ore at the mine,
NOT the cost or profit is asked for. \$ 1,169,252.25

D. Is there objection to the FIGURES OF OUTPUT ONLY being credited to your mine, in
the report when published? Answer No

		1900 Price	1901 Price
Lake Bessemer -	186,069	4.00	3.25
Lake (Non Bes)	282,264	2.60	2.00
Total	468,333		

DEPARTMENT OF THE INTERIOR,
UNITED STATES GEOLOGICAL SURVEY,
DIVISION OF MINING & MINERAL RESOURCES.

To be returned PROMPTLY in accompanying franked envelope to JOHN BISHOP, 605 Fellows' Temple, Broad and Cherry Streets, Philadelphia, Pa.

IRON ORE

Statistics of IRON ORE MINED during the year ending Dec. 31st, 1901, at the

Ashland

(Give name or designation of Mine.)

Located at

Ironwood

County of

Gogebic

State of

Michigan

Information supplied by

Imperath, Pres.

Cleveland, Ohio

(Sign here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES OF THE UNITED STATES, 1901" to be published by the United States Geological Survey.

A. Under score character of iron ore produced, and if more than one of the following classes is mined, give amount of each:—

LIMONITE, BROWN HEMATITE, or BOG ORE,

RED HEMATITE, SPECULAR or POSSID ORE,

MAGNETIC ORE,

CARBONATE OR BLACK SAND ORE.

B. State total amount of marketable iron ore mined or produced during the year ending December 31st, 1901. 299,083 Gross tons.
(If none, so state)

Also stock of iron ore on hand at MINE, Dec. 31st, 1901. 54,195 Gross tons.
(If none, so state.)

C. Give total value on cars or carts AT THE MINE of the iron ore produced during the year ending Dec. 31st, 1901, royalty if any, included, but exclusive of hauling to place of shipment or consumption. The gross commercial value of the ore at the mine, NOT the cost or profit is asked for. \$ 338,323.20

D. Is there objection to the FIGURES OF OUTPUT ONLY being credited to your mine, in the report when published? Answer— No

		1901	Price
Ashland	287,285	—	2.80
Taylor	59,148	—	2.40
Globe	2,600	—	2.50
Total	299,083		

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DEPARTMENT OF THE INTERIOR,
UNITED STATES GEOLOGICAL SURVEY
DIVISION OF MINING & MINERAL RESOURCES.

To be returned PROMPTLY in accompanying franked envelope to JOHN BIRKINBINE,
Old Fellows' Temple, Broad and Cherry Streets, Philadelphia, Pa.

IRON ORE.

Statistics of IRON ORE MINED during the year ending Dec. 31st, 1901, at the

Michigan
(Give name or designation of Mine.)

Located at Michigan

County of Marquette State of Michigan

Information supplied by Amos Mathew Trust
Cleveland Ohio

(Sign here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES
OF THE UNITED STATES, 1901" to be published by the United States Geological Survey.

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

LIMONITE, BROWN HEMATITE, or BOG ORE.

RED HEMATITE, SPECULAR or FOSSIL ORE.

MAGNETIC ORE.

CARBONATE OR BLACK BAND ORE.

B. State total amount of marketable iron ore mined/produced during the year ending
December 31st, 1901. 30996 Gross tons.
(if none, so state)

Also stock of iron ore on hand at MINE, Dec. 31st, 1901. ... 11078 Gross tons.
(if None, so state.)

C. Give total value on cars or carts AT THE MINE of the iron ore produced during
the year ending Dec. 31st, 1901, royalty if any, included, but exclusive of hauling to
points of shipment or consumption. The gross commercial value of the ore at the mine,
NOT the cost or profit is asked for. \$ 96,087.60

D. Is there objection to the FIGURES OF OUTPUT ONLY being credited to your mine, in
the report when published? Answer- No

	1900	1901
tons	210	210

No. 189

CONFIDENTIAL

DEPARTMENT OF THE INTERIOR,
UNITED STATES GEOLOGICAL SURVEY
DIVISION OF MINING & MINERAL RESOURCES.

To be returned PROMPTLY in accompanying franked envelope to JOHN BIRKINBINE,
Old Fellows' Temple, Broad and Cherry Streets, Philadelphia, Pa.

IRON ORE.

Statistics of IRON ORE MINED during the year ending Dec. 31st, 1901, at the

Volunteer

(Give name or designation of Mine.)

Located at Palmer

County of Marquette State of Mich.

Information supplied by Amgusather, Pres
Cleveland, Ohio

(Sign here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES
OF THE UNITED STATES, 1901" to be published by the United States Geological Survey.

A. Under score character of iron ore produced, and if more than one of the following
classes is mined, give amount of each:---

LIMONITE, BROWN HEMATITE, or BOG ORE.

RED HEMATITE, SPECULAR or FOSSIL ORE.

MAGNETIC ORE.

CARBONATE OR BLACK BAND ORE.

B. State total amount of marketable iron ore mined or produced during the year ending
December 31st, 1901. None Gross tons.
(If none, so state)

Also stock of iron ore on hand at MINE, Dec. 31st, 1901. 420.50 Gross tons.
(If None, so state.)

C. Give total value on cars or carts AT THE MINE of the iron ore produced during
the year ending Dec. 31st, 1901, royalty if any, included, but exclusive of hauling to
points of shipment or consumption. The gross commercial value of the ore at the mine,
NOT the cost or profit is asked for. \$

D. Is there objection to the FIGURES OF OUTPUT ONLY being credited to your mine, in
your report when published? Answer- No

1100
2.75

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DEPARTMENT OF THE INTERIOR.
UNITED STATES GEOLOGICAL SURVEY
DIVISION OF MINING & MINERAL RESOURCES.

To be returned PROMPTLY in accompanying franked envelope to JOHN BIRKINBINE,
Old Fellows' Temple, Broad and Cherry Streets, Philadelphia, Pa.

IRON ORE

Statistics of IRON ORE MINED during the year ending Dec. 31st, 1901, at the

Imperial
(Give name or designation of Mine.)

Located at Michiganville (P.O.)

County of Baraga State of Mich.

Information supplied by Omngsuather, Pres.
Cleveland, Ohio

(Sign here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES
OF THE UNITED STATES, 1901" to be published by the United States Geological Survey.

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

LIMONITE, BROWN HEMATITE, or BOG ORE.

RED HEMATITE, SPECULAR or FOSSIL ORE.

MAGNETIC ORE.

CARBONATE OR BLACK BAND ORE.

B. State total amount of marketable iron ore mined or produced during the year ending
December 31st, 1901. Temporarily suspended (None) Gross tons.
(If none, so state.)

Also stock of iron ore on hand at MINE, Dec. 31st, 1901. 750.9 Gross tons.
(If None, so state.)

C. Give total value on cars or carts AT THE MINE of the iron ore produced during
the year ending Dec. 31st, 1901, royalty if any, included, but exclusive of hauling to
points of shipment or consumption. The gross commercial value of the ore at the mine,
NET the cost or profit is asked for. \$

D. Is there objection to the FIGURES OF OUTPUT ONLY being credited to your mine, in
the report when published? Answer- No

via 1900
210

193

CONFIDENTIAL.

DEPARTMENT OF THE INTERIOR.
UNITED STATES GEOLOGICAL SURVEY
DIVISION OF MINING & MINERAL RESOURCES.

To be returned PROMPTLY in accompanying franked envelope to JOHN BIRKINBINE,
Odd Fellows' Temple, Broad and Cherry Streets, Philadelphia, Pa.

IRON ORE.

Statistics of IRON ORE MINED during the year ending Dec. 31st, 1901, at the

Debster
(Give name or designation of Mine.)

Located at Michigan (P.O.)

County of Baraga State of Mich

Information supplied by Imgsaether Press
Cleveland Ohio

(Sign here, giving name, official position and post office address.)

For use only in the preparation of general statistics for the "MINERAL RESOURCES
OF THE UNITED STATES, 1901" to be published by the United States Geological Survey.

A. Under score character of iron ore produced, and if more than one of the following
classes is mined, give amount of each:---

LIMONITE, BROWN HEMATITE, or BOG ORE.

RED HEMATITE, SPECULAR or FOSSIL ORE.

MAGNETIC ORE.

CARBONATE OR BLACK BAND ORE.

B. State total amount of marketable iron ore mined or produced during the year ending
December 31st, 1901. Improvisarily suspended..... None.. Gross tons.
(If none, so state)

Also stock of iron ore on hand at MINE, Dec. 31st, 1901. None .. Gross tons.
(If None, so state.)

C. Give total value on cars or carts AT THE MINE of the iron ore produced during
the year ending Dec. 31st, 1901, royalty if any, included, but exclusive of hauling to
points of shipment or consumption. The gross commercial value of the ore at the mine,
NOT the cost or profit is asked for.

D. Is there objection to the FIGURES OF OUTPUT ONLY being credited to your mine, in
the report when published? Answer- No

THE CLIFF AND-CLIFFS IRON CO.

CLEVELAND IRON MINING CO.
IRON CLIFFS CO.

M. M. DUNCAN, AGENT.



ISHPEMING, MICH.,

Jany. 8, 1902.

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

Dear Sir,-

Replying to yours of the 3rd inst.

We are returning to you for your signature blanks used in making annual reports to the U. S. Interior Department for year ending Dec. 31, 1901. Desired information has been inserted on same.

The product for the year ending Dec. 31st, 1901 - Ashland Mine - was 299,083 tons and the balance in stock Dec. 31st, 1901 - 54,195 tons.

Yours truly,

M. M. Duncan

Agent. *L*

Encl.

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

DIVISION OF MINING AND MINERAL RESOURCES

JANUARY 2, 1902.

DEAR SIR:

Inclosed you will find a card of inquiry and a return envelope. You are requested to fill out the card promptly and inclose it in the addressed envelope (which does not require postage), so that accurate statements of the quantity and value of iron ore mined in the United States during the CALENDAR YEAR ENDING DECEMBER 31, 1901, can be prepared for publication.

Answers received from individuals, firms, or mining companies are not given in the published reports. The figures you send will be considered CONFIDENTIAL and will be used only in making up averages and totals for publication.

State in exact figures the total amount of marketable iron ore mined or produced (not the shipments) during the year ending December 31, 1901. (If these can not be obtained give close approximations.)

If a mine is abandoned, if operations are temporarily suspended, or if no stocks of ore are on hand, so state on the card. If the mine was operated for but a portion of the year, returns should be made for such time.

If new iron-ore mines have been opened or exploited in your vicinity during the last year, or if mines which have been idle have resumed or are about resuming activity, I shall esteem it a favor if you will supply the names and post-office addresses of the proper persons from whom statistics can be obtained.

Any information concerning iron-ore mining which will add to the interest of the volume of Mineral Resources will be welcomed. Published reports upon mineral properties are especially desired. The purpose of the United States Geological Survey in issuing this volume is to render practical service to those engaged in mining, and your *prompt* cooperation is asked in order that the statistics can be tabulated and the report issued at an earlier date than has heretofore been possible.

Yours, respectfully,

JOHN BIRKINBINE,

*Special Agent U. S. Geological Survey,
Odd Fellows' Temple, Broad and Cherry streets,
Philadelphia, Pa.*

1343b1m10-01

DUNBAR FURNACE COMPANY,

MANUFACTURERS OF

High Grade Pig Iron, Connellsville Coke.

SHIPPERS OF BITUMINOUS COAL.

Dunbar, Fayette Co., Pa. December 11th, 1901.

Mr. R. C Mann, Auditor,
Cleveland-Cliffs Iron Co.,

Cleveland, Ohio.

Dear Sir :-

Your favor of the 3rd inst received and we herewith give you statement of your account as of November 30th, 1901.

Ores as per invoices :-

Comrade Ore	<i>16072 1960</i>	16073 Tons	\$ 69627.52 ✓
Scotch Ore	<i>43387 120</i>	43388 "	197844.90 ✓
Michigamme Ore	<i>57123 22929 720</i>	33356 "	157172.06 ✓
Cliff Shaft Ore	<i>18670 1860</i>	18671 "	88686.44 ✓
Imperial Ore	<i>42678 1030</i>	42679 "	165421.59 ✓
		<u>154167 Tons</u>	===== \$678752.51

Metal Yarded :-

No. 1 Fdy.		114 Tons @ \$22.80	2599.20 ✓
No. 2X Fdy.		2440 " @ \$20.90	50996.00 ✓
Mill & Basic		26569 " @ \$19.00	504811.00 ✓
		<u>29123 Tons</u>	<u>558406.20</u> ✓

Amount account of penalties allowed	\$ 18499.36 ✓	
Less Crushing Ore	1647.40 ✓	
	=====	16851.96 ✓
		===== \$575258.16

Ore unsettled for ----- \$ 103494.35

Trusting the above will give you the information desired and hoping to hear that the above is in agreement with your balance, we remain

Yours very truly,

Dunbar Furnace Co.

Per

73

The Cleveland-Cliffs Iron Co.

The different accounts entering into the Dunbar Pig Iron deal, stand as follows on our books, November 30th 1901.

Iron Cliffs Co Ledger - Cr	73,295.13	
Cleveland Iron Mining Co " " "	99,276.84	
Cleveland-Cliffs Iron Co " " "	51,174.80	
" " " " " Pipe Cr		105,883.42
add adjustment made on the entry		19.00
less our bills for pig iron sold to them		105,902.42
which are included in this account but		
which they paid in cash; as follows		
Oct bill	3,917.55	} 14,350.00
Nov "	10,432.45	
	223,746.77	120,252.42
	120,252.42	
Debit Balance	\$ 103,494.35	

Note: Above balance agrees with Dunbar Furnace Co records, as per their letter of December 11th 1901, attached hereto

2

**Statement of the Earnings of all Companies Operated by
The Cleveland-Cliffs Iron Co., for the Year Ending Nov. 30th, 1901.**

GROSS EARNINGS FOR THE YEAR:	
Cleveland-Cliffs Iron Company	\$ 963,413.93
Cleveland Iron Mining Company.....	671,808.29
Iron Cliffs Company.....	675,853.56
	<u>\$2,311,075.78</u>
Less: Loss Pioneer Iron Company.....	28,882.05
Gross Earnings of all Companies.....	\$2,282,193.73
Less: Depreciation of Construction, Improvement, Vessels and Investments, as follows:	
Cleveland-Cliffs Iron Company.....	\$ 734,949.87
Cleveland Iron Mining Company.....	43,362.28
Iron Cliffs Company.....	11,145.92
Total Depreciation.....	<u>\$ 789,458.07</u>
DIVIDENDS PAID:	
12% on \$3,814,700.00.....	\$ 457,764.00
3% on 1,095,300.00.....	32,859.00
Total Dividends.....	<u>\$ 490,623.00</u>
	\$1,280,081.07
Balance Applicable to Surplus.....	<u>\$1,002,112.66</u>

Comparative General Balance Sheet, November 30th, 1901.

THE CLEVELAND-CLIFFS IRON COMPANY.

ASSETS.	Nov. 30, 1900	Nov. 30, 1901	Increase.	Decrease.
Cleveland-Cliffs Iron Co.'s Stock in Treasury, (11,853 Shares in 1900, 900 Shares in 1901).....	\$1,185,300.00	\$ 90,000.00	\$.....	\$1,095,300.00
Cleveland Iron Mining Co.'s Stock, Entire Capital, cost value.....	1,997,245.00	1,997,245.00	.....	.....
Iron Cliffs Co.'s Stock, cost value, Entire Capital except 100 Shares in 1900, all in 1901.....	2,248,325.00	2,257,325.00	9,000.00	.....
Other Investments, as per schedule below*.....	2,410,222.01	3,983,440.86	1,573,218.85	.....
Five Steamers and one Schooner.....	425,000.00	420,000.00	.....	5,000.00
Stocks of Ore, Pig Iron and Supplies.....	321,247.95	790,508.29	469,260.34	.....
Bills and Accounts Receivable.....	401,270.86	737,706.56	336,435.70	.....
Cash on Hand.....	21,807.06	175,936.98	154,129.92	.....
	<u>\$9,010,417.88</u>	<u>\$10,452,162.69</u>	<u>\$1,441,744.81</u>	
LIABILITIES.				
Capital Stock.....	\$5,000,000.00	\$ 5,000,000.00	\$.....	\$.....
Bills and Accounts Payable.....	1,268,480.58	2,972,384.33	1,703,903.75	.....
Surplus Account.....	2,741,937.30	2,479,778.36	.....	262,158.94
	<u>\$9,010,417.88</u>	<u>\$10,452,162.69</u>	<u>\$1,441,744.81</u>	

* Arctic Iron Co., one-half of Capital Stock.
 Lake Superior Iron Co., one-quarter of Capital Stock.
 Regent Iron Co., one-quarter of Capital Stock.
 Lake Superior & Ishpeming Railway Co.'s Stock.
 Cost of Marquette & Southeastern Railway.
 Fee in Queen, Prince of Wales and Blue Mines, one sixteenth interest.
 Fee in Webster Mine, one-half interest.
 Munising Railway and Land Purchase.
 Ashland Mine Lease.
 New Furnace at Marquette.
 Pioneer Furnace and Chemical Plant.
 Mineral Lands, Timber Lands, Rented Houses, Town Lots, etc.

Cut out

74

Not shown on printed Annual Report on account of H.H.

3

Statements Showing Condition of the Companies Controlled by
The Cleveland-Cliffs Iron Company.

Condensed Balance Sheets.

CLEVELAND IRON MINING COMPANY.

ASSETS.	Nov. 30, 1900.	Nov. 30, 1901.	Increase.	Decrease.
Real Estate.....	\$2,500,000.00	\$2,500,000.00	\$.....	\$.....
Cash.....	92,289.78	150,752.34	58,462.56	.....
Bills and Accounts Receivable.....	403,349.90	1,612,337.46	1,208,987.56	.....
Steamers "Pontiac" and "Frontenac".....	230,000.00	220,000.00	.....	10,000.00
Ore and Supplies.....	975,745.63	627,547.22	.....	348,198.41
Construction Account.....	90,842.63	79,471.39	.....	11,371.24
Miscellaneous.....	1,652.82	1,784.00	131.18	.....
	\$4,293,880.76	\$5,191,892.41	\$ 898,011.65	.....
LIABILITIES.				
Capital Stock.....	\$2,500,000.00	\$2,500,000.00	\$.....	\$.....
Bills and Accounts Payable.....	482,721.53	752,287.17	269,565.64	.....
Surplus Account.....	1,311,159.23	1,939,605.24	628,446.01	.....
	\$4,293,880.76	\$5,191,892.41	\$ 898,011.65	.....

IRON CLIFFS COMPANY.

ASSETS.	Nov. 30, 1900.	Nov. 30, 1901.	Increase.	Decrease.
Real Estate.....	\$ 504,265.27	\$ 493,295.72	\$.....	\$ 10,969.55
Cash.....	64,179.24	190,567.04	126,387.80	.....
Bills and Accounts Receivable.....	836,391.86	1,529,242.68	692,850.82	.....
Ore and Supplies.....	618,119.74	533,095.43	.....	85,024.31
Bonds and Stocks of other Companies.....	114,750.00	114,750.00	.....	.....
Construction Account.....	10,658.83	4,570.98	.....	6,087.85
	\$2,148,274.94	\$2,865,521.85	\$ 717,246.91	.....
LIABILITIES.				
Capital Stock.....	\$1,000,000.00	\$1,000,000.00	\$.....	\$.....
Bills and Accounts Payable.....	309,568.23	362,107.50	52,539.27	.....
Surplus Account.....	838,706.71	1,503,414.35	664,707.64	.....
	\$2,148,274.94	\$2,865,521.85	\$ 717,246.91	.....

PIONEER IRON COMPANY.

ASSETS.	Nov. 30, 1900.	Nov. 30, 1901.	Increase.	Decrease.
Real Estate.....	\$ 125,000.00	\$ 125,000.00	\$.....	\$.....
Cash.....	4,081.87	53,431.16	49,349.29	.....
Bills and Accounts Receivable.....	87,374.27	117,994.52	30,620.25	.....
Ore and Supplies.....	111,052.03	37,199.95	.....	73,852.08
Construction Account.....	40,000.00	45,619.51	5,619.51	.....
	\$ 367,508.17	\$ 379,245.14	\$ 11,736.97	.....
LIABILITIES.				
Capital Stock.....	\$ 125,000.00	\$ 125,000.00	\$.....	\$.....
Bills and Accounts Payable.....	268,718.29	309,337.31	40,619.02	.....
Surplus Account..... Debit.....	26,210.12	55,092.17	.....	28,882.05
	\$ 367,508.17	\$ 379,245.14	\$ 11,736.97	.....

* Increased Loss.

Profit & Loss

Not shown on printed Annual Report on advice of JHA

*Revised
Jan 25*

PRIVATE.

ANNUAL REPORT

of the President of

THE CLEVELAND-CLIFFS IRON COMPANY.

CLEVELAND, O., FEB. 10th, 1902.

To the Stockholders:

GENTLEMEN: At the annual meeting of the stockholders of this Company, held in Cleveland, at 3:00 P. M., January 22nd, the following Board of Directors was elected to serve during the ensuing year:

PETER WHITE, Marquette, Mich.	E. R. PERKINS, Willoughby, Ohio.
SAMUEL MATHER, Cleveland, Ohio.	J. H. WADE, New York, N. Y.
J. H. MCBRIDE, Cleveland, Ohio.	J. H. HOYT, Cleveland, Ohio.
W. S. TYLER, Cleveland, Ohio.	S. E. WILLIAMSÖN, Cleveland, Ohio.
WM. G. MATHER, Cleveland, Ohio.	

The following condensed balance sheets and ore statements show the financial condition of the companies, their net earnings, and the number of tons of ore and pig iron produced and delivered to customers during the fiscal year ending November 30th, 1901.

The policy of your Directors, as stated in the last Annual Report, to increase and strengthen the resources of the company, has been continued during the past year by the purchase of new property, the principal items of which are as follows:

The Steamer "FALCON": A small wooden steamer adapted to the transportation of pig iron.

About 300 acres of land in Negaunee, covering mineral land explored during the first part of last year, and which will be known in the future, as the "Maas Mine". This property is as yet undeveloped. As the ore lies quite deep a large amount of money will have to be expended in the sinking of shafts and in new equipment, and the property will probably not be productive until the latter part of 1903, or sometime in 1904.

The lease of the Ashland Mine on the Gogebic Range. This is a Bessemer Ore property, capable of producing between three and four hundred thousand tons of Bessemer Ore per year. The purchase of this lease materially strengthens the position of your company in the old range bessemer ore market.

We have commenced the construction of a new furnace at Marquette and have expended thereupon during the past year, about \$120,000.00.

There has also been advanced a large amount of money to the Marquette & Southeastern Railway and to the Munising Railway, for the construction of about 27 miles of line connecting the Lake Superior & Ishpeming Railway Company's line at Marquette with the Munising Railway Company's line at a point called Lawson. Also in the extension of the Munising Railway Company's Line East into valuable timber territory. Some additional purchases of timber lands have been made.

All these new investments amount to \$2,192,961.51.

Funds for these large purchases were provided out of the current year's profits and from the receipts of the sale of the Treasury Stock of the Company, amounting to \$1,095,300.00.

We have relinquished the lease of the Michigamme Company's property and also of the Volunteer Mine, not having found their operation to be profitable, especially as their product was of a grade of hard ore of which we already have an ample quantity from our own mines.

Our Imperial and Webster mines were not operated owing to the fact that there was not a demand for the grade of ore produced by those properties.

The old mines controlled by your company are, apparently, in as good condition as at the time of the last report and are capable of producing as much ore in 1902 as they did last year.

The market for all of our products is favorable and though we hardly expect to be able to sell all of the ore which we will produce, nevertheless in all probability we will get satisfactory prices for a great bulk of all of our products.

In accordance with the established custom of your Directors, there have been liberal charges made for depreciation, amounting to in the past year, \$789,458.07. This is intended to cover the natural depreciation of your vessels, construction and improvement work at your mines, and a large amount from the investments held by your company, in order to fully take care of the depreciation in their value, arising from the ore and timber removed.

Respectfully submitted,

WM. G. MATHER, President.

Number of Stockholders, Jan. 22, 1902, 111,111

*+ Solom
smaller type*

Old Range

2 1/2 million cases

The +

2
2015

amounting in the past year to \$ 789,458.07

RETURN THIS PROOF WITH CHECK
from BROOKS & CO., Cleveland,
Job No. _____ 189
Date _____
ALL CONNECTIONS AND CHARGES ON THIS PROOF

2

**Statement of the Earnings of all Companies Operated by
The Cleveland-Cliffs Iron Co., for the Year Ending Nov. 30th, 1901.**

GROSS EARNINGS FOR THE YEAR:	
Cleveland-Cliffs Iron Company.....	\$ 963,413.93
Cleveland Iron Mining Company.....	671,808.29
Iron Cliffs Company.....	675,853.56
	<u>\$2,311,075.78</u>
Less: Loss Pioneer Iron Company.....	28,882.05
	<u>Gross Earnings of all Companies.....</u>
	\$2,282,193.73
Less: Depreciation of Construction, Improvement, Vessels and Investments, as follows:	
Cleveland-Cliffs Iron Company.....	\$ 734,949.87
Cleveland Iron Mining Company.....	43,362.28
Iron Cliffs Company.....	11,145.92
	<u>Total Depreciation.....</u>
	\$ 789,458.07
DIVIDENDS PAID:	
12% on \$3,814,700.00.....	\$ 457,764.00
3% on 1,095,300.00.....	32,859.06
	<u>Total Dividends.....</u>
	\$ 490,623.00
	<u>\$1,280,081.07</u>
Balance Applicable to Surplus.....	<u>\$1,002,112.66</u>

Comparative General Balance Sheet, November 30th, 1901.

THE CLEVELAND-CLIFFS IRON COMPANY.

ASSETS.	Nov. 30, 1900.	Nov. 30, 1901 ^a	Increase.	Decrease.
Cleveland-Cliffs Iron Co.'s Stock in Treasury, (11,853 Shares in 1900, 900 Shares in 1901).....	\$1,185,300.00	\$ 90,000.00	\$.....	\$1,095,300.00
Cleveland Iron Mining Co.'s Stock, Entire Capital, cost value.....	1,997,245.00	1,997,245.00	.....	.....
Iron Cliffs Co.'s Stock, cost value, Entire Capital except 100 Shares in 1900, all in 1901.....	2,248,325.00	2,257,325.00	9,000.00	.....
Other Investments, as per schedule below ^b	2,410,222.01	3,983,440.86	1,573,218.85	.....
Five Steamers and one Schooner.....	425,000.00	420,000.00	.....	5,000.00
Stocks of Ore, Pig Iron and Supplies.....	321,247.95	790,508.29	469,260.34	.....
Bills and Accounts Receivable.....	401,270.86	737,706.56	336,435.70	.....
Cash on Hand.....	21,807.06	175,936.98	154,129.92	.....
	<u>\$9,010,417.88</u>	<u>\$10,452,162.69</u>	<u>\$1,441,744.81</u>	
LIABILITIES.				
Capital Stock.....	\$5,000,000.00	\$ 5,000,000.00	\$.....	\$.....
Bills and Accounts Payable.....	1,268,480.58	2,972,384.33	1,703,903.75	.....
Surplus Account.....	2,741,937.30	2,479,778.36	.....	262,158.94
	<u>\$9,010,417.88</u>	<u>\$10,452,162.69</u>	<u>\$1,441,744.81</u>	

^a Arctic Iron Co., one-half of Capital Stock.
 Lake Superior Iron Co., one-quarter of Capital Stock.
 Regent Iron Co., one-quarter of Capital Stock.
 Lake Superior & Ishpeming Railway Co.'s Stock.
 Cost of Marquette & Southeastern Railway.
 Fee in Queen, Prince of Wales and Blue Mines, one sixteenth interest.
 Fee in Webster Mine, one-half interest.
 Munising Railway and Land Purchase.
 Ashland Mine Lease.
 New Furnace at Marquette.
 Pioneer Furnace and Chemical Plant.
 Mineral Lands, Timber Lands, Rented Houses, Town Lots, etc.

only new Investments

close up

1,573,218.85
 789,458.07
 2,362,676.92
 3,192,961.51
 1,597,154.11

3

**Statements Showing Condition of the Companies Controlled by
The Cleveland-Cliffs Iron Company.**

Condensed Balance Sheets.
CLEVELAND IRON MINING COMPANY.

ASSETS.	Nov. 30, 1900.	Nov. 30, 1901.	Increase.	Decrease.
Real Estate.....	\$2,500,000.00	\$2,500,000.00	\$.....	\$.....
Cash.....	92,289.78	150,752.34	58,462.56	
Bills and Accounts Receivable.....	403,349.00	1,612,837.46	1,209,488.46	
Steamers "Pontiac" and "Frontenac".....	230,000.00	220,000.00		10,000.00
Ore and Supplies.....	975,745.63	627,547.22		348,198.41
Construction Account.....	90,842.63	79,471.39		11,371.24
Miscellaneous.....	1,652.82	1,784.00	131.18	
	\$4,293,880.76	\$5,191,892.41	\$ 898,011.65	
LIABILITIES.				
Capital Stock.....	\$2,500,000.00	\$2,500,000.00	\$.....	\$.....
Bills and Accounts Payable.....	482,721.53	752,237.17	269,515.64	
Surplus Account.....	1,311,159.23	1,939,605.24	628,446.01	
	\$4,293,880.76	\$5,191,892.41	\$ 898,011.65	

IRON CLIFFS COMPANY.

ASSETS.	Nov. 30, 1900.	Nov. 30, 1901.	Increase.	Decrease.
Real Estate.....	\$ 504,265.27	\$ 493,295.72	\$.....	\$ 10,969.55
Cash.....	64,179.24	190,567.04	126,387.80	
Bills and Accounts Receivable.....	836,301.86	1,529,242.68	692,940.82	
Ore and Supplies.....	618,119.74	533,095.43		85,024.31
Bonds and Stocks of other Companies.....	114,750.00	114,750.00		
Construction Account.....	10,658.83	4,570.98		6,087.85
	\$2,148,274.94	\$2,865,521.85	\$ 717,246.91	
LIABILITIES.				
Capital Stock.....	\$1,000,000.00	\$1,000,000.00	\$.....	\$.....
Bills and Accounts Payable.....	309,568.23	362,107.50	52,539.27	
Surplus Account.....	838,706.71	1,503,414.35	664,707.64	
	\$2,148,274.94	\$2,865,521.85	\$ 717,246.91	

PIONEER IRON COMPANY.

ASSETS.	Nov. 30, 1900.	Nov. 30, 1901.	Increase.	Decrease.
Real Estate.....	\$ 125,000.00	\$ 125,000.00	\$.....	\$.....
Cash.....	4,081.87	53,431.16	49,349.29	
Bills and Accounts Receivable.....	87,374.27	117,994.52	30,620.25	
Ore and Supplies.....	111,052.03	37,199.95		73,852.08
Construction Account.....	40,000.00	45,619.51	5,619.51	
	\$ 367,508.17	\$ 379,245.14	\$ 11,736.97	
LIABILITIES.				
Capital Stock.....	\$ 125,000.00	\$ 125,000.00	\$.....	\$.....
Bills and Accounts Payable.....	268,718.29	309,337.31	40,619.02	
Surplus Account.....	26,210.12	55,092.17	28,882.05	
	\$ 367,508.17	\$ 379,245.14	\$ 11,736.97	

Profit + Loss

** Increment Loss*

JMK

COMPARISON

For five years of products of the mines controlled by the Cleveland-Cliffs Iron Co., also our proportion of the Lake Superior Iron Co. and Regent Iron Co. ores, in Bessemer and non-Bessemer ore, and Pig Iron produced.

ORE.	1897.		1898.		1899.		1900.		1901.	
	Tons.	%	Tons.	%	Tons.	%	Tons.	%	Tons.	%
C. C. I. Co.										
Bessemer	167,526	28	238,537	28.7	195,408	21	273,002	23	586,028	43
Non-Bessemer.....	432,555	72	592,873	71.3	746,569	79	903,965	77	785,297	57
Total	600,081		831,410		941,977		1,176,967		1,371,325	
Our proportion of Ore from Mines of L. S. I. Co. and R. I. Co.										
Bessemer					71,413	100	63,015	23.6	55,800	27.2
Non-Bessemer.....							203,984	76.4	149,089	72.8
Total					71,413	100	266,999		204,889	
TOTAL.										
Bessemer	167,526	28	238,537	28.7	195,408	19.1	336,017	22.8	641,828	41
Non-Bessemer.....	432,555	72	592,873	71.3	817,982	80.9	1,107,949	77.2	934,336	59
Grand Total.....	600,081		831,410		1,013,390		1,443,966		1,576,214	
PIG IRON.										
	36,700		38,809		31,183		52,320		49,253	

DELIVERIES OF ORE AND PIG IRON.

ORE.	1897.		1898.		1899.		1900.		1901.	
	Tons.	%	Tons.	%	Tons.	%	Tons.	%	Tons.	%
C. C. I. Co.										
Bessemer	118,913	22	260,979	29.6	403,431	34	246,217	29.6	524,955	42.9
Non-Bessemer.....	429,018	78	619,700	70.4	773,355	66	604,286	70.4	699,383	57.1
Total	547,931		880,679		1,176,786		850,503		1,224,338	
L. S. I. Co. and R. I. Co.										
Bessemer							55,148	21.3	40,454	21.3
Non-Bessemer.....					70,680	100	203,970	78.7	149,089	78.7
Total					70,680		259,118		189,543	
TOTAL.										
Bessemer	118,913	22	260,979	29.6	403,431	32	301,365	27	565,409	39.9
Non-Bessemer.....	429,018	78	619,700	70.4	844,035	68	848,256	73	848,472	60.1
Grand Total.....	547,931		880,679		1,247,466		1,109,621		1,413,881	
PIG IRON.										
	16,062		42,320		53,709		47,378		53,854	

TONS ON HAND AT END OF YEAR.

	1897.	1898.	1899.	1900.	1901.
Ore.....	625,125	575,951	340,400	667,143	829,691
Pig Iron.....	36,065	32,458	9,652	14,712	9,990

61336

PRIVATE.

Annual Report
of the President of
THE CLEVELAND-CLIFFS IRON COMPANY.

Cleveland, O., Feb. 10th, 1902

To the Stockholders:

Gentlemen:-

At the annual meeting of the stockholders of this Company, held in Cleveland, at 3:00 P. M., January 22nd, the following Board of Directors was elected to serve during the ensuing year:

Peter White, Marquette, Mich.	E. R. Perkins, Willoughby, Ohio
Samuel Mather, Cleveland, Ohio	J. H. Wade, New York, N. Y.
J. H. McBride, Cleveland, Ohio	J. H. Hoyt, Cleveland, Ohio
W. S. Tyler, Cleveland, Ohio	S. E. Williamson, Cleveland, Ohio
Wm. G. Mather, Cleveland, Ohio	

The following condensed balance sheets and ore statements show the financial condition of the companies, their net earnings, and the number of tons of ore and pig iron produced and delivered to customers during the fiscal year ending November 30th, 1901.

The policy of your Directors, as stated in the last Annual Report, to increase and strengthen the resources of the company, has been continued during the past year by the purchase of new property, the principal items of which are as follows:

The Steamer "FALCON": A small wooden steamer adapted to the transportation of pig iron.

About 300 acres of land in Negaunee, covering mineral land explored during the first part of last year, and which will be known in the future, as the "Maas Mine". This property is as yet undeveloped. As the ore lies quite deep a large amount of money will have to be expended in the sinking of shafts and in new equipment, and the property will probably not be productive until the latter part of 1903, or sometime in 1904.

The lease of the Ashland Mine on the Gogebic Range. This is a Bessemer Ore property, capable of producing between three and four hundred thousand tons of Bessemer Ore per year. The purchase of this lease materially strengthens the position of your company in the old range bessemer ore market.

We have commenced the construction of a new furnace at Marquette and have expended thereupon during the past year, about \$120,000.00.

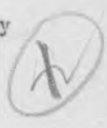
There has also been advanced a large amount of money to the Marquette & Southeastern Railway and to the Munising Railway, for the construction of about 27 miles of line connecting the Lake Superior & Ishpeming Railway Company's line at Marquette with the Munising Railway Company's line at a point called Lawson. Also in the extension

of the Munising Railway Company's Line East into valuable timber territory. Some additional purchases of timber lands have been made.

All these new investments amount to \$2,192,961.51.

Funds for these large purchases were provided out of the current year's profits and from the receipts of the sale of the Treasury Stock of the Company, amounting to \$1,095,300.00.

We have relinquished the lease of the Michigan Company's property and also of the Volunteer Mine, not having found their operation to be profitable, especially as their product was of a grade of hard ore of which we already have an ample quantity from our own mines.



Our Imperial and Webster mines were not operated owing to the fact that there was not a demand for the grade of ore produced by those properties.

The old mines controlled by your company are, apparently, in as good condition as at the time of the last report and are capable of producing as much ore in 1902 as they did last year.

The market for all of our products is favorable and though we hardly expect to be able to sell all of the ore which we will produce, nevertheless in all probability we will get satisfactory prices for a great bulk of all of our products.

In accordance with the established custom of your Directors, there have been liberal charges made for depreciation, amounting to in the past year, \$789,458.07. This is intended to cover the natural depreciation of your vessels, construction and improvement work at your mines, and a large amount from the investments held by your company, in order to fully take care of the depreciation in their value, arising from the ore and timber removed.

Respectfully submitted,

WM. G. MATHER, President

Wm. G. Mather
June 21 1902 - 205

Statement of the Earnings of all Companies operated by the Cleveland-Cliffs Iron Co,
for the year ending November 30th 1901.

Gross Earnings for the year				
Cleveland-Cliffs Iron Company	96341393			
Cleveland Iron Mining Company	67180829			
Iron Cliffs Company	67585356			
	231107578			
Less; Loss Pioneer Iron Company	2888205			
Gross Earnings of all Companies			228219373	
Less; Depreciation of construction, improvement, Vessels and Investments, as follows -				
Cleveland-Cliffs Iron Company	73494987			
Cleveland Iron Mining Company	4336228			
Iron Cliffs Company	1114592			
Total Depreciation	78945807			
Dividends Paid				
12% on \$3,814,700.00	457,764.00			
3% on \$1,095,300.00	32,859.00			
Total Dividends	49062300			
			128008107	
Balance applicable to surplus			\$1,002,112.66	

Comparative General Balance Sheet, November 30th 1901.

The Cleveland-Cliffs Iron Co.

	Nov 30/1900	Nov 30/1901	Increase	Decrease
<u>Assets.</u>				
Cleveland-Cliffs Iron Co's Stock in Treasury (11,853 shares in 1900; 900 shares in 1901)	1,185,300.00	900,000.00		1,095,300.00
Cleveland Iron Mining Co's Stock; Entire Capital, cost value	1,997,245.00	1,997,245.00		(2)
Iron Cliffs Co's Stock; cost value. Entire Capital except 100 shares in 1900; all in 1901	2,248,325.00	2,257,325.00	9,000.00	
Other investments, as far as schedule below*	2,410,222.01	3,983,440.86	1,573,218.85	
Two Steamers and one Schooner (Steamer Falcon purchased in 1901)	425,000.00	420,000.00		5,000.00
Stocks of Ore, Pig Iron and Supplies	321,247.95	790,508.29	469,260.34	
Bills and Accounts Receivable	401,270.86	737,706.56	336,435.70	
Cash on hand	21,807.06	175,936.98	154,129.92	
	9,010,417.88	10,452,162.69	1,441,744.81	
<u>Liabilities.</u>				
Capital Stock	5,000,000.00	5,000,000.00		
Bills and Accounts Payable	1,268,480.58	2,972,384.33	1,703,903.75	
Surplus Account	2,741,937.30	2,479,778.36		262,158.94
	9,010,417.88	10,452,162.69	1,441,744.81	
* Arctic Iron Co; one-half of Capital stock Lake Superior Iron Co; one-quarter of Capital Stock Regent Iron Co; one-quarter of Capital Stock Lake Superior & Ishpeming Ry Co's Stock Co't of Marquette & Southern Ry See in Queen, Prince of Wales and Blue Mines; one-sixteenth interest. See in Webster Mines; one-half interest. Mining Ry and Land purchase. Oakland Mine Lease New Furnace at Marquette Lioneer Furnace and Chemical Plant Mineral Lands, Timber Lands, Rented Houses, Iron Lots &c.				

Statement showing condition of the Companies controlled by
The Cleveland-Cliffs Iron Company.
Condensed Balance Sheets.
Cleveland Iron Mining Company.

	Nov 30/1900	Nov 30/1901	Increase	Decrease
<u>Assets:</u>				
Real Estate	2,500,000.00	2,500,000.00		
Cash	922,897.8	1,507,523.4	584,625.6	
Bills and Accounts Receivable	403,349.90	1,612,337.46	1,208,987.56	
Steamers "Ventur" and "Frontier"	230,000.00	220,000.00		100,000.00
Ore and Supplies	975,745.63	627,547.22		348,198.41
Construction Account	908,426.3	794,713.9		113,712.4
Miscellaneous	165,282	178,400	13,118	
	4,293,880.76	5,191,892.41	898,011.65	
<u>Liabilities:</u>				
Capital Stock	2,500,000.00	2,500,000.00		
Bills and Accounts Payable	482,721.53	752,287.17	269,565.64	
Surplus Account	1,311,159.23	1,939,605.24	628,446.01	
	4,293,880.76	5,191,892.41	898,011.65	

<u>Iron Cliffs Company.</u>				
	Nov 30/1900	Nov 30/1901	Increase	Decrease
<u>Assets:</u>				
Real Estate	504,265.27	493,295.72		10,969.55
Cash	64,179.24	190,567.04	126,387.80	
Bills and Accounts Receivable	836,301.86	1,529,242.68	692,940.82	
Ore and Supplies	618,119.74	533,095.43		85,024.31
Bonds and Stocks of other Companies	114,750.00	114,750.00		
Construction Account	106,588.3	45,709.8		60,878.5
	2,148,274.94	2,865,521.85	717,246.91	
<u>Liabilities:</u>				
Capital Stock	1,000,000.00	1,000,000.00		
Bills and Accounts Payable	309,568.23	362,107.50	52,539.27	
Surplus Account	838,706.71	1,503,414.35	664,707.64	
	2,148,274.94	2,865,521.85	717,246.91	

<u>Pioneer Iron Co</u>				
	Nov 30/1900	Nov 30/1901	Increase	Decrease
<u>Assets:</u>				
Real Estate	125,000.00	125,000.00		
Cash	408,187	534,311.6	493,492.9	
Bills and Accounts Receivable	87,374.27	1,179,945.2	306,202.5	
Ore and Supplies	111,052.03	37,199.95		73,852.08
Construction Account	40,000.00	45,619.51	5,619.51	
	367,508.17	379,245.14	11,736.97	
<u>Liabilities:</u>				
Capital Stock	125,000.00	125,000.00		
Bills and Accounts Payable	268,718.29	309,337.31	40,619.02	
Surplus Account	26,210.12	55,092.17		28,882.05
	367,508.17	379,245.14	11,736.97	

Deliveries of Ore and Pig Iron.

	1897		1898		1899		1900		1901	
	Tons	%	Tons	%	Tons	%	Tons	%	Tons	%
<u>Ore.</u>										
<u>C. - C. I. Co.</u>										
Bessemer	118,913	22.	260,979	29.6	403,431	34.	246,217	29.6	524,755	42.
Non-Bessemer	429,018	78.	619,700	70.4	773,355	66.	604,286	70.4	699,383	57.
<u>Total</u>	<u>547,931</u>		<u>880,679</u>		<u>1,176,786</u>		<u>850,503</u>		<u>1,224,338</u>	
<u>L. I. I. Co. and R. I. Co.</u>										
Bessemer							55,148	21.3	40,454	21.3
Non-Bessemer					70,680	100.	203,970	78.7	149,089	78.
<u>Total.</u>					<u>70,680</u>		<u>259,118</u>		<u>189,543</u>	
<u>Total.</u>										
Bessemer	118,913	22.	260,979	29.6	403,431	32.	301,365	27.	565,409	39.
Non-Bessemer	429,018	78.	619,700	70.4	844,035	68.	808,256	73.	848,472	60.
<u>Gross Total.</u>	<u>547,931</u>		<u>880,679</u>		<u>1,247,466</u>		<u>1,109,621</u>		<u>1,413,881</u>	
<u>Pig Iron.</u>	<u>16,062</u>		<u>42,320</u>		<u>53,709</u>		<u>47,378</u>		<u>53,854</u>	

Tons on Hand at end of Year

	1897	1898	1899	1900	1901
<u>Ore</u>	625,125	575,951	340,400	667,143	829,691
<u>Pig Iron</u>	36,065	32,458	9,652	14,712	9,990

COMPARISON

For five years of products of the mines controlled by the Cleveland-Cliffs Iron Co., also our proportion of the Lake Superior Iron Co. and Regent Iron Co. ores, in Bessemer and non-Bessemer ore, and Pig Iron produced.



	1897		1898		1899		1900		1901.	
	Tons	%	Tons	%	Tons	%	Tons	%	Tons	%.
<u>C. - C. I. Co.</u>										
Bessemer	167,526	28.	238,537	28.7	195,408	21.	273,002	23.	586,028	43.
Non-Bessemer	432,555	72.	592,873	71.3	446,569	79.	903,965	77.	785,297	57.
<u>Total</u>	600,081		831,410		641,977		1,176,967		1,371,325	
Our proportion of Ore from Mines of L. S. I. Co. and R. I. Co.										
Bessemer							63,015	23.6	55,800	27.2
Non-Bessemer					71,413	100.	203,984	76.4	149,089	72.8
<u>Total</u>					71,413	100.	266,999		204,889	
<u>Total</u>										
Bessemer	167,526	28.	238,537	28.7	195,408	19.1	336,017	22.8	6,41,828	41.8
Non-Bessemer	432,555	72.	592,873	71.3	817,982	80.9	1,107,949	77.2	934,386	59.2
<u>Gross Total</u>	600,081		831,410		1,013,390		1,443,966		1,576,214	
Pig Iron,	36,700		38,809		31,193		52,320		49,253	

The Cleveland-Cliffs Iron Co.

Consolidated Statement of Income and Expenses of the Cleveland-Cliffs Iron Co. for the years ending March 31, 1900 and 1901 with description of business of Cleveland.

Year	Mine	1900						1901						Total		Average	
		No. Days		Miles		Tons		No. Days		Miles		Tons		Income	Expenses	%	%
		Open	Close	Run	Stop	Del. Tons	Stock	Open	Close	Run	Stop	Del. Tons	Stock				
8	Argonne	25	35	22,457	1141	3,281	6,727.95	11.05	26	26	24,357	1,114	2,945	6,023.85	2,257	.0150	.0777
1	Barren	19	31	28,829	868	2,445	4,452.10	14.32	15	16	23,183	873	1,873	3,086.23	1,013	.0167	.1128
10	Chadac	25	39	36,074	1016	1,819	3,102.75	12.85	24	24	27,411	1,036	1,519	3,133.29	1,143	.0157	.1604
9	Condit	21	29	33,531	1124	2,315	4,144.15	12.79	21	27	27,735	1,124	2,112	4,275.31	1,277	.0118	.0868
7	Clinton	19	25	26,041	1,113	2,021	4,077.85	14.12	21	23	31,580	1,111	2,333	4,542.72	1,565	.0093	.0659
2	Kellyville	11	11	13,096	1,117	886	1,203.20	13.92	22	25	26,526	891	1,752	3,459.27	1,244	.0124	.0891
6	Kingsley	23	27	37,107	1,161	4,444	9,716.00	23.41	24	24	30,632	1,118	3,874	7,252.78	2,565	-.0104	.0433
3	Lawrence	22	25	29,844	1,043	2,711	4,738.15	14.53	22	23	31,670	1,033	2,299	4,723.56	1,491	.0083	.0217
4	Lawson	34	26	35,085	1,412	3,475	7,074.85	12.71	34	28	42,421	1,411	3,377	7,021.05	2,439	.0140	.0194
5	Lawson	25	25	21,944	1,033	2,048	3,244.70	14.01	23	25	29,811	1,033	2,459	6,077.02	2,020	.0071	.0301
	Total								13	15	18,413	755	10,85	2,340.10	12.71		

$$\left\{ \begin{array}{l} 22,457 \times .0150 = 336.855 \\ 28,829 \times .0167 = 481.344 \\ 36,074 \times .0157 = 566.152 \\ 33,531 \times .0118 = 395.666 \\ 26,041 \times .0093 = 242.181 \\ 13,096 \times .0124 = 162.390 \\ 37,107 \times .0104 = 385.913 \\ 29,844 \times .0083 = 247.705 \\ 35,085 \times .0140 = 491.190 \\ 21,944 \times .0071 = 155.802 \end{array} \right.$$

This mine was closed two days in 1901, which are omitted.
 The Kingsley mine was closed two days in 1900 which are omitted.
 The figures for 1900 for the Clinton are not obtainable.

<u>R.M.</u>	<u>Lump</u>	<u>nut</u>	
19	49	45	1490.35
368	65		245.10
65			87.75
275			<hr/>
<u>727</u>	<u>114</u>	<u>45</u>	1,823.20
205	215	195	

Katijuga - coal - 11 trips 1900

Ste. Pioneer (2 trips running alone)

2790³/₄

Total number hours run alone on first 2 trips 195³/₄

" " miles " " " " " " 2242

" tons fuel used " " " " " " 150 (blacks)



.....
.....
.. ..
.. ..
.. IRON CLIFFS COMPANY, ..
.. ISHPEMING, MICHIGAN. ..
.. AGENT'S ANNUAL REPORT FOR THE YEAR ..
.. ENDING NOVEMBER 30TH, ..
.. ..
.. 1901. ..
.....
.....

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MADE IN U.S.A.

IRON CLIFFS COMPANY.

Ishpeming, Michigan, Jany. 9, 1902.

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

Dear Sir,-

I beg to submit the following report of the operations and present condition of the mines of the Iron Cliffs Company. The maps, inventory, and statements appertaining to this report have been sent you.

"BARNUM MINE"

This mine was closed March 1st, 1891, all the ore that could be economically mined having been exhausted. In 1896 a contract was made with the Lake Superior Iron Company to take out the ore adjacent to their Hard Ore Mine, which was at greater depth than the old Barnum working. All the ore of merchantable grade has been mined, except what has been left in floors.

The following estimate of the floors was made by Mr. Hendricks of the Lake Superior Iron Company:

Between the 600 and 640 foot levels	5615 tons
" " 640 " 680 " "	825 "
" " 680 " 720 " "	<u>712 "</u>
Total	7152 tons

Three hundred tons were mined in November, being the entire product for the year. Mr. Johnston estimates that they will mine about 3000 tons in 1902.

BARNUM.

CLIFFS SHAFT MINE.

The following amount of ore has been mined from the different levels during the year:

	LEVEL	"A" SHAFT	"B" SHAFT	TOTAL
	Sublevel	8871	16872	25743
	First	48804 <i>57875</i>	30591 <i>47443</i>	79395
	Second	51185	21501	72686
	Third	14700	31945	46645
	Fourth	3530	15482	19012
	Fifth	10723		10723
	Sixth	13702		13702
	Seventh	5362		5362
		156877	116391	273268

AVERAGE ANALYSES OF MINE SAMPLES FOR 1901.

	Iron	Phos.
Cliffs Shaft Ore, Crushed	62.23	.089
" " " , Coarse	63.44	.084

ORE SHIPMENTS FOR 1901.

	POCKET	STOCKPILE	TOTAL	TOTAL LAST YEAR
Coarse Ore	31938		31938	42513
Crushed Ore	124442	68037	192479	146423
Total	156380	68037	224417	188936
Last Year	151492	37444	188936	
Increase - 19% -			35481	

Cliffs Shaft.

CLIFFS SHAFT MINE.

AVERAGE ANALYSES OF SHIPMENTS FOR 1901.

	Iron
Cliffs Shaft ore, Crushed	63.46
Cliffs Shaft ore, Coarse	61.53

ORE STATEMENT, NOVEMBER 30th, 1901.

	Cliffs Shaft	Last Year
On hand Dec. 1st, 1900	75594	200
Output for year	273268	264330
Total	348862	264530
Shipments	224417	188936
Bal. in stock Nov. 30, 1901	124445	75594
Increase in ore on hand	48851	
Increase in output - 3% -	8938	

AVERAGE WAGES AND PRODUCT.

Product - 273268 tons - 1901	SURFACE		UNDERGRD		TOTAL	
	1901	1900	1901	1900	1901	1900
Product - 264330 tons - 1900						
Aver. number men working	74	79	245	242	319	321
Average wages per day	1.87	1.83	2.16	2.16	2.09	2.08
Aver. wages per mo. - 25 days -	46.75	45.75	54.00	54.00	52.25	52.00
Aver. product per man per day	12.06	11.06	3.71	3.69	2.84	2.77
Labor cost per ton	.155	.165	.582	.585	.738	.751
Difference in labor cost pr. ton	.010	.013	.003	.066	.013	.053
Aver. Prod. breaking & tramming			5.40	5.21		
Aver. wages for contractors			2.24	2.23		
" " " miners			2.36	2.37		
" " " trammers			1.96	1.95		

Cliffs Shaft.

CLIFFS SHAFT MINE.

COST OF EXPLOSIVES USED FOR BREAKING ORE.

KIND	QUANTITY	AVER. RATE	AMOUNT	AMOUNT 1900.
50% Powder	116300#	.12	13956.00	13272.00
Fuse	123500'	3.958	488.80	534.03
Caps	38500	5.675	218.50	200.75
B. Caps	5650	29.475	166.52	209.70
B. Wire	417#	.30	125.10	105.90
			14954.92	14322.38
			1901	1900
Total Product			273,268	264,330
Lbs. Powder per ton of ore			.426	.420
Cost per ton for explosives			.055	.054
Increased cost per ton			.001	

STATEMENT OF COMPARATIVE WAGES.

	1901	1900	Increase 1901
<u>SURFACE</u>			
Total number of days	22659 $\frac{1}{4}$	23887 $\frac{3}{4}$	
Average rate	1.87	1.83	.04 (2.2%)
Amount	42394.44	43784.16	Dec. 1389.72
<u>UNDERGROUND</u>			
Total Number of days	73571 $\frac{1}{4}$	71666	
Average rate	2.16	2.16	.00
Amount	159182.92	154718.54	4464.38
Total Days	96230 $\frac{1}{2}$	95553 $\frac{3}{4}$	
Average Rate	2.09	2.08	.01 (.48%)
Total Amount	201577.36	198502.70	3074.66
Increase in amount	3074.66		

Cliffs Shaft

CLIFFS SHAFT MINE.

CRUSHER PLANT.

The following statement shows the cost of operating the crushers for the past year: and a comparison with the work of the preceding year.

	OPERATING COST		REPAIR COST		TOTAL COST		
	Amount	Per T	Amount	per T	Amount	Per T 1901	Per T 1900
Operating Engines	3990.03	.016	7.52	.000	3997.55	.016	.017
Operating Crushers	3664.82	.015	3061.64	.013	6726.46	.028	.029
Total Crushing Cost	7654.85	.031	3069.16	.013	10724.01	.044	.046
Tramming to R.R. Pkt.	2880.52	.012	404.79	.002	3285.31	.014	.014
Total Cost 1901	10535.37	.043	3473.95	.005	14009.32	.058	.060
Total Cost 1900	10242.23	.046	3201.82	.014	13444.05	.060	.050
Labor Cost						.034	.035
Supply Cost						.024	.025
Total						.058	.060
Per Cent	75		25		100		
No. of men employed	14						
Product per man per dy						65	58

CLIFFS SHAFT MINE.

The cost of mining 273,268 tons of ore has been as follows:

	1901	1900	INCREASE	DECREASE
Product	273,268	264,330	8.938	
General Expense	.103	.090	.013	
Maintenance	.039	.032	.007	
Mining Expense	.895	.906		.011
Cost of Production	1.037	1.028	.009	
Exploratory	.012		.012	
DEPRECIATION.				
Inventory	.012	.006	.006	
Improvement	.013	.002	.011	
New Construction		.042		.042
Steam Shovel	.003	.003		
Reopening Mine		.054		.054
Royalty - L.S.I.Co. -	.001		.001	
Total	.029	.107		.078
Less Credits	.000	.001		.001
Total Depreciation	.029	.106		.077
Cost on Stockpile	1.078	1.134		.056
Loading and Shipping	.015	.015		
Total Cost	1.093	1.149		.056

The increase in General Expense is due to Taxes - .014 -

The increase in Maintenance is due to Docks, Trestles, and Pockets and building repairs.

Cliffs Shaft.

CLIFFS SHAFT MINE.

While the cost of production is .9 of a cent higher than last year, the Mining Expenses shows a decrease of 1.1 cents per ton. The principal increase comes from the Taxes, which are 1.1 cents per ton higher than in 1900, and the increased amount of rock drifting (1031 feet) which added 3.3 cents per ton to the cost, as compared to the previous year. The rock drifting was largely exploratory and not required in the ordinary mining operations. If the taxes and drifting had not increased the cost would have been lower than in 1900.

The work in the different parts of the mine has been as follows. The extensions for the year have been tinted and for convenience, reference will be made to each stope by number.

SUBLEVEL ABOVE 1ST LEVEL.

"A" SHAFT.

At No. 4 the ore has all been mined to the hanging on the north and east sides. On the west the stope is about 14 ft. wide. Work is still progressing at this point and it is expected that the ore will continue west for some distance, as No. 5 on the 1st Level 200 ft. west, shows a breast of ore 20 ft. wide and still ore on the north side. This level turned out much better than was expected on the date of my last annual report.

1ST SUBLEVEL

"B" SHAFT.

There has been no development either east or west on this sublevel during the year, but a stope has been carried south 125 ft. to the footwall. There is still ore on both sides and in the back. The developments at 17, 23, and 13, which will be referred to later, show that this ore body continues at least 800 ft. east, although there may be intervening soaprock dykes.

At 20 we are taking the ore left in the back to the hanging.

No. 25 is raising and has just reached the level of the 2nd sub and started to stope south.
Cliffs Shaft.

CLIFFS SHAFT MINE

2ND SUBLEVEL.

"B" SHAFT.

This level has been opened 75 ft. west of the limits reported last year. At No. 25 the stope is going west, all in ore, and the east side is also in ore. Only one drill has been working here during the year. The ore seems to be very flat and gives promise of being wider than on the level below. There is still ore in the back of this level and the prospects are bright for another sub above this. Additional machines can be put to work here any time, but there has been no necessity for this during the past year.

1ST LEVEL.

"A" SHAFT.

No. 9 referred to last year struck the hanging after going east 125' and was discontinued. There is ore both in the bottom and on the south side. No. 9 was then moved 400 ft. west and a cross-cut driven 110 ft. north, all in rock, and then 20 ft. in ore. This is an extension of the same deposit referred to at 27 in 1899. The ore was stoped 46 ft. west, when it narrowed to 2 ft., and work was suspended. On the east the ore is 20 ft. wide, but only a few feet from the Lake Superior Line and cannot be followed.

No. 5, which was stopped last year in jasper, has been extended 100'. The first 5 ft. in jasper, the balance in ore. The first 65 ft. of ore was only 10 ft. wide, the last 30 ft. the ore widened rapidly and the stope is being carried 20 ft. wide with ore on both sides. The history of this drift emphasizes the fact that it will not do to discontinue work on account of meeting jasper, and it also indicates that dead work must always be large in this mine.

At 22 a raise has been put up 42 ft. to the hanging. From the top of this ^a stope has been started west and has ore on both sides.

At 29 a raise was put up the same height as 22, and the stope is now being carried west to connect with 22.

CLIFFS SHAFT MINE.

The stope is 20 ft. wide with ore on the north.

No. 10 struck the hanging to the east and was then brought back 30ft. from the breast and is stoping north. The ore at this point is about 70 ft. wide, but not more than 20 ft. high. All the ore below this can be taken from the 2nd level, as there are no workings above.

1ST LEVEL.

"B" SHAFT.

No. 15 was extended 100 ft. west. Shortly after the report of last year, the ore narrowed to about 2 ft. and did not increase in width, and the drift was stopped. 15 was brought back 200 ft. and a raise put up 48 ft. to the level of the 1st Sub, and stoping started west. The ore is about 16 ft/ wide and is increasing in width. There is ore to the east and in the back of the raise. There is no doubt but what this ore connects with that at 25 on the 1st sub.

During the year two raises have been put up from this level to the 2nd sub, all in ore, to be used as chutes for the ore from the 2nd sublevel.

At 25 a raise has also been put up to the 2nd sub. AA stoping has been started south from the top and has gone in 50 ft. It is 20 ft. wide with ore on both sides and in the back.

No. 14 referred to last year was extended east to a connection with the ore bodies shown by 17 and 23. At 23 the raise struck rock 42 ft. above the 1st level. This looks more like a dyke than a true hanging and will be tested later. A stope has been started east from the top of the raise and is in about 30 ft. It is 25 ft. wide with ore on the north side.

No. 17 is stoping east and is 300 ft. beyond the raise where this contract was working last year, all in ore, with ore in the back. This ore is entirely new and there is every prospect of its turning out to be an extensive deposit. It must eventually connect with the ore shown in the south
(Cliffs Shaft)

CLIFFS SHAFT MINE.

cross-cut on the 3rd level "A" shaft, but at that point the ore was only 6 ft. wide and has never been worked since the mine reopened.

At 13 a raise is up 46 ft. above the level, all in ore, with ore in the back. At the top of this a stope has just been started west. This body is separated from that shown in 17 and 23 by a soaprock dyke 10 ft. wide. This ore is probably the same as that being worked on the 1st and 2nd sub-levels, although 800 ft. east of it. The developments in this part of the mine have been extremely encouraging.

2ND LEVEL.

"A" SHAFT.

At No. 7 a cross-cut was driven north 58 ft. in rock and struck ore which has been crossed 24 ft., with ore still in the breast. The lense has been followed 200 ft. east, the stope being carried 24 ft. wide. The breast is still in ore. There is also ore to the west which has not been developed. This is the same vein which was developed on the 1st level and crossed the Lake Superior line. At present the north side of the stope is only 24 ft. from the Lake Superior line. From developments on the 1st level and the dip of the ore, it is not believed that the Lake Superior Iron Company has any large quantity of it.

250 ft. east of this stope the ore on the 1st level was 125 ft. wide and should be equally as large on this level. No. 1 is underhand stoping between the 2nd and 3rd levels.

2ND LEVEL.

"B" SHAFT.

No. 3 was extended 100 ft. and stopped in jasper. No more work will be done here until the 3rd level drift west proves up the ground. No. 28 is working on the north vein and has drifted 100 ft. west; the first 80 ft. in mixed ore and jasper and the last 20 ft. in quartzite. The ground is too hard to warrant exploring by drifting and they are now cutting out for a Cliffs Shaft.

CLIFFS SHAFT MINE.

diamond drill, as this locality should not be abandoned before being thoroughly tested.

3RD LEVEL.

"A" SHAFT.

No. 6 has been extended 200 ft. west. The ore is about 10 ft. wide in the breast, which is now opposite "B" Shaft. This seems to be the same ore as in the north deposit "B" Shaft.

At 21 a cross-cut was driven 60 ft. north in rock to reach the ore shown at No. 7 on the level above. The drift has now crossed 18 ft. of ore and has ore in the breast.

3RD LEVEL.

"B" SHAFT.

The ore being developed at No. 2 was discovered by raising from the 4th level. The old management had stopped work in jasper, 100 ft. west of this raise. In drifting back towards the old working, the ore continued to within 4 ft. of the former jasper breast. To the east the stope has been extended 200 ft. 20 ft. wide with ore in the back. The breast now has ore on both sides. This is apparently the same ore being worked in 17 and 23 and is new ground.

At No. 19 a stope is going east 20 ft. wide, all in ore, and has been extended 120 ft. When started the ore was only 4 ft. wide, but rapidly increased in width. This is also new ground, no work having been done above or below it. The main drift has been extended 125 ft. west and stopped in jasper, the entire length being in mixed ore and jasper.

Since the 15th of November, No. 3 has been brought back 125 ft. and is now drifting south in mixed ore and jasper and should strike the ore shown by the diamond drill on the 4th level. There is strong evidence of a fault in the west end of the mine and it may take extensive exploring to locate Cliffs Shaft.