

1912 - 209

THE CLEVELAND-CLIFFS IRON COMPANY

MINE-DEPARTMENT

MISCELLANEOUS DATA-YEAR 1912

MS 86-100  
2102

THE CLEVELAND-CLIFFS IRON COMPANY

#2102

MINE DEPARTMENT.

MISCELLANEOUS DATA - 1912.

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Analysis of Supplies.

Analysis of Labor.

labor.

CLEVELAND-CLIFFS IRON CO.		12 MONTHS 1912.		12 MONTHS 1911.		Labor as per Cost Sheet, (E) Other Charges, Total,			139223	96
PRODUCT.		150424 Tons		181867 Tons						
Class		Amount	Per Ton	Amount	Per Ton					
1	General Supplies,	4380.54	029	3540	09	019				
2	Iron and Steel,	840	32	006	1354	09	007			
3	Oil, Grease and Candles	2001	63	013	2611	34	014			
4	Machinery Supplies,	5415	00	036	3850	36	021			
5	Building Material,	3324	84	022	6376	42	035			
6	Explosives,	8818	55	059	11920	43	066			
7	Mine Timber,	1785	75	012	3601	88	020			
8	Fuel,	33246	52	221	30506	95	168			
9	Electric Power				877	15	005			
10	Sundries,	3195	03	021	3935	80	022			
11	Other Mines and Accounts,	85	61	001	106	88	000			
	Total Supplies,	62922	21	418	68467	63	377			
	Direct Charges,	6646	43	044	7389	11	040			
(E)	Total as per Cost Sheet,	69568	64	462	75856	74	417			
DETAIL OF DIRECT CHARGES.								COMPARATIVE COST ON CARS. (E)		
								PRODUCT.	COST.	CARS. (E)
								12 Months 1909	254723	1 237
								12 Months 1909	274046	1 225
								12 Months 1910	216097	1 323
								12 Months 1911	181867	1 359
								12 Months 1912	150424	1 411
								DIVISION OF PRODUCT—By Grades.		
								MONTH.	YEAR. 1912.	YEAR. 1911
26	Insurance,	624	97	004	634	76	004			
28	Analysis,	1353	14	009	2700	40	015			
29	Personal Injury Expense,	424	20	003	748	50	004	Ashland Bessemer.	117431	145776
30	Personal Injury Expense,	400	00	003	105	00	000	" Globe,	30516	25798
a	Mine Office,	254	00	001				" Globe Phos.,	2477	10293
b	District Office,							Total,	150424	181867
151	Operating Compressors.									
171-	Exploratory,									
c	Central Office,	3590	12	024	3200	45	017			
180-	Loading and Shipping,									
	Total,	6646	43	044	7389	11	040			

# The Cleveland-Cliffs Iron Co.

MINING DEPARTMENT.

MINE.

Cost Sheet for the Month of

19

Sent

19

RECEIVED  
MAR 31 1913  
AC. HUBB.



THE CLEVELAND-CLIFFS IRON CO.

MINING DEPARTMENT.

COST OF PRODUCTION FOR THE MONTH OF **Y E A R S** 1 9 1 2 & 1 9 1 1.

FORM 9, 1912, 7-12, M. S.

Acct. No.	Year 1912												Year 1911			145221 Tons				
	115934 Tons															296				
	No. Shifts and Days Operated 2-10hr. 59 2-8:243 302															2-10hr. 296				
	Average Daily Product 384															487				
A U S T I N . MINE.															14					
No. of Days Idle												12								
LABOR			SUPPLIES			TOTAL			LABOR			SUPPLIES			TOTAL					
Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton			
<b>GENERAL EXPENSE.</b>																				
26	Insurance,			120	30	001	120	30	001			138	63	001	138	63	001			
27	Engineering,	1770	55	015			1770	55	015	1394	34	010			1394	34	010			
28	Analysis,	2851	27	025	4014	63	034	6865	90	059	2634	12	018	4326	08	030	6960	20	048	
29	Relief Fund,			377	10	004	377	10	004			738	90	005	738	90	005			
30	Personal Injury Expense,	16	18	000	71	000	16	89	000	4	25	000		1	97	000	6	22	000	
a	Mine Office,	1796	83	016	219	54	001	2016	37	017	1417	15	010	191	32	001	1608	47	011	
b	District Office,	5545	00	047	2277	04	021	7822	04	068	4259	64	029	2052	19	014	6311	83	043	
	Total,	11979	83	103	7009	32	061	18989	15	164	9709	50	067	7449	09	051	17158	59	118	
<b>MAINTENANCE.</b>																				
125	Tracks and Yards,	615	86	005	163	63	001	779	49	006	761	92	005	147	71	001	909	63	006	
126	Docks, Trestles and Pockets,	189	29	002	349	48	003	538	77	005	590	29	004	133	39	001	723	68	005	
127	Buildings,	216	23	002	153	65	001	370	08	003	982	82	008	746	83	004	1729	65	012	
128	Shop Machinery,																			
129	Boiler Plant,				18	01	000	18	01	000										
130	Hoisting Machinery,	586	56	005	1271	42	011	1857	98	016	484	57	003	2284	39	016	2768	96	019	
131	Compressors and Power Drills,	22	36	000	212	08	002	234	44	002	1	94	000				1	94	000	
132	Pumping Machinery,	258	79	002	153	35	002	412	14	004	698	77	005	109	96	001	808	73	006	
133	Top Tram Engines and Cars,	147	18	001	105	87	001	253	05	002	205	43	001	1020	31	007	1225	74	008	
134	Skips and Skip Roads,	83	14	001	32	11	000	115	25	001	312	77	002	269	01	002	581	78	004	
135	Underground Tracks and Cars,	1453	72	013	865	44	007	2319	16	020	1049	84	007	504	21	003	1554	05	010	
136	Electric Tram Plant,																			
137	Telephones and Safety Devices,	356	77	003	167	17	002	523	94	005	381	01	003	294	89	002	675	90	005	
	Total,	3929	90	034	3456	39	030	7386	29	064	5469	36	038	5510	70	037	10980	06	075	
<b>MINING EXPENSE.</b>																				
150	Air Pipes,	235	45	002	141	34	001	376	79	003	155	40	002	59	91	000	215	31	002	
151	Compressors,	955	06	008	3208	58	028	4163	64	036	666	73	005	2722	30	018	3389	03	023	
152	Hoisting,	1995	80	017	1724	37	015	3720	17	032	1537	28	011	2894	91	020	4432	19	031	
153	Pumping,	2578	30	022	3776	60	033	6354	90	055	1423	48	010	3409	68	023	4833	16	033	
154	Sinking and Shaft Repairs,	1033	19	009	1447	02	012	2480	21	021	196	92	001	82	55	001	279	47	002	
155	Rock Drifting,	6493	32	056	1799	19	016	8292	51	072	1758	90	012	773	44	005	2532	34	017	
156	Breaking Ore,	41777	69	360	4164	45	036	45942	14	396	61585	78	423	5078	46	036	66664	24	459	
157	Tramming,	12077	69	104	272	06	002	12349	75	106	13493	41	092	564	90	005	14058	31	097	
158	Filling,																			
159	Timbering,	12005	98	104	8437	20	072	20443	18	176	14707	07	101	7080	84	049	21787	91	150	
160	Captain and Bosses,	3905	17	034			3905	17	034	3558	80	025					3558	80	025	
161	Dry House,	471	44	004	396	99	004	868	43	008	463	26	003	399	93	003	863	19	006	
162	Top Landing and Tramming,	3227	89	028	206	89	002	3434	78	030	2764	28	019	309	83	002	3074	11	021	
163	Stocking Ore,	452	78	004	52	95	000	505	73	004	448	32	003	542	52	004	990	84	007	
164	Sorting Ore,	98	17	001	7	53	000	105	70	001	7	55	000				7	55	000	
166	Cave In,										38	10	000				38	10	000	
	Total,	87307	93	753	25635	17	221	112943	10	974	102805	28	707	23919	27	166	126724	55	873	
	Cost of Production, Per Cent,	103217	66	890	36100	88	312	139318	54	1.202	117984	14	812	36879	06	254	154863	20	1.066	
		74%			26%			100%			76%			26%			100%			
<b>EXPLORATORY.</b>																				
171	Exploring in Mines,																			
172	Surface,																			
	Total,																			
<b>DEPRECIATION, Etc.</b>																				
115	Original Purchase,																			
116	Plant Account,							5294	54	046							5546	37	038	
117	Equipment,							16	72	000							737	07	005	
118	New Construction,																			
119	Supply Inventory,							26	88	000							9	40	000	
120	Miscellaneous,							8	39	000							1026	92	007	
	Total,							5329	85	046							5247	12	036	
32	Taxes,							8640	43	075							10042	04	069	
c	Central Office (per cent)	5626	75	049	2712	41	023	8339	16	072	4960	57	034	2394	40	017	7354	97	051	
121	Fire Loss,																			
122	Idle Expense,																			
	Total Cost on Stock Pile,	108844	41	939	38813	29	335	161627	98	1.395	122944	71	846	39273	46	271	177507	33	1.222	
<b>LOADING AND SHIPPING.</b>																				
180	Steam Shovel,	45153	✓	38341	✓	153	85	004	1693	10	037	1846	95	041			2012	68	052	
181	By Hand,																			
182	At Pocket,	57376	✓	66737	✓	1810	56	032	2	30	000	1812	86	032	2453	04	037	4	78	000
	Total,	90	00			1	09				91	09			185	00		17		
184	Shipping Expense,	2054	41	018	1696	49	014	3750	90	032	2638	04	018	2017	63	014	4655	67	032	
	Total Cost on Cars,	110998	82	957	40509	78	349	165378	88	1.427	125582	75	864	41291	09	285	182163	00	1.254	
190	Depreciation Cost of Mine, per ton,																			
191	Royalty Rate,																		200	
192	Cleveland Office Expense,																		150	
	Total Cost,																		1.604	

Acct. No.	Accounts not Sunk Off	12 Months 12.		12 Months 11.		Sinking Acct. No. 154			Rock Drifting Acct. No. 155			Ting Acct. No. 155	
		Amount	Per Ton	Amount	Per Ton	Foot	Amount	Per Ft.	Foot	Amount	Per Ft.	Amount	Per Ft.
4	Central Plant,	51551	95	64514	74								
	Common to all mines in district,					Current Mo.			1416	8292	51	5.86	
	Total,					12 Mo. 12.			426	2532	34	5.94	
						12 Mo. 11.							

REMARKS: Shifts and Hours- Changed from 2-10 to 2-8hr. March 11th, 1912.

Detail #116 plant account.  
 1912 1911  
 Gwinn Townsite Bldgs., 1159.34 1452.21  
 Gwinn Plant Bldgs., 4135.20 4094.16  
 Total, 5294.54 5546.37

*Handwritten initials and date:* 3/29/12

Analysis of Supplies.

Analysis of Labor.

labor.

CLEVELAND-CLIFFS IRON CO.		12 MONTH 1912.			12 MONTHS 1911.			Labor as per Cost Sheet, (E)		110898.82		
PRODUCT.		115934 Tons		145221 Tons				Other Charges,				
Class	Amount	Per Ton	Amount	Per Ton	Amount	Per Ton	Total,					
1 General Supplies,	1321	21	011	836	62	006						
2 Iron and Steel,	1088	03	009	1265	87	009						
3 Oil, Grease and Candles	1145	15	010	1827	86	013	As per Labor Statement,		98817.18			
4 Machinery Supplies,	1510	11	013	3930	44	028	General Pay Roll,		12081.64			
5 Building Material,	2382	01	020	935	28	006	Total,		110898.82			
6 Explosives,	4359	88	038	3786	11	026						
7 Mine Timber,	7414	64	064	6300	68	043						
8 Fuel,	93	49	001	1521	59	011						
9 Electric Power	1653	30	014	73	53	000						
10 Sundries,	125	46	001	3423	43	023						
11 Other Mines and Accounts,	8482	97	072	5170	31	036						
Total Supplies,	29576	25	255	29071	72	201						
Direct Charges,	10933	53	094	12219	37	084						
(E) Total as per Cost Sheet,	40509	78	349	41291	09	285						
DETAIL OF DIRECT CHARGES.							COMPARATIVE COST ON CARS. (E)					
							PRODUCT.		COST.		COST.	
							12 Months 19 09		191985		1 000	
							13 Months 19 09		203129		1 024	
							12 Months 19 10		71135		1 362	
							12 Months 19 11		145221		1 254	
							12 Months 19 12		115934		1 427	
DIVISION OF PRODUCT—By Grades.							—By Grades.					
							year 1912.		year 1911.		YEAR.	
26 Insurance,	120	30	001	138	63	001	Austin Bessemer,		81770		122155	
28 Analysis,	3956	62	034	4265	46	029	Austin No. 2,		34164		23066	
29 Renter Fund,	377	10	003	738	00	005	Total,		115934		145221	
30 Personal Injury Expense,												
a Mine Office,	15	00	000									
b District Office,	2277	04	020	2051	19	014						
151 Operating Compressors.												
171- Exploratory,												
c. Central Office,	2712	41	023	2394	40	018						
180- Loading and Shipping,	1475	06	013	2012	68	014						
Stocking Ore,												
Safety Devices,												
Total,	10933	53	094	12219	37	085						

# The Cleveland-Cliffs Iron Co.

MINING DEPARTMENT.

MINE.

Cost Sheet for the Month of

19

Sent

19

RECEIVED  
MAR 31 1913  
A.M.S.

THE CLEVELAND-CLIFFS IRON CO.  
MINING DEPARTMENT.

COST OF PRODUCTION FOR THE YEAR 8. 1912 & 1911.

Acct. No.	YEAR, 1912.												Year 1911.											
	261320 Tons												239,299 Tons											
	No. Shifts and Days Operated 1-10; 1-8; 295												1-10hr. 298											
CLIFFS SHAFT, MINES																								
Average Daily Product 886												803												
No. of Days Idle 19												14												
	LABOR				SUPPLIES				TOTAL															
	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton						
<b>GENERAL EXPENSE.</b>																								
26	Insurance,			190 85	001	190 85	001	190 85	001	246 21	001	246 21	001	246 21	001	246 21	001	246 21						
27	Engineering,	1966 92	008			1966 92	008	1966 92	008	1767 01	007	1767 01	007	1767 01	007	1767 01	007	1767 01						
28	Analysis,	866 62	003	761 36	003	1627 98	006	1627 98	006	1457 52	006	1457 52	006	598 94	003	2056 46	009	2056 46						
29	Relief Fund,			645 00	002	645 00	002	645 00	002			1106 70	005	1106 70	005	1106 70	005	1106 70						
30	Personal Injury Expense,			533 55	002	533 55	002	533 55	002	13 12	000	3730 35	015	3730 35	015	3743 47	015	3743 47						
a	Mine Office,	5385 97	020	808 20	004	6194 17	024	6194 17	024	5271 53	022	755 11	003	6026 64	025	6026 64	025	6026 64						
b	District Office,																							
	Total,	8219 51	031	2938 96	012	11158 47	043	11158 47	043	8509 18	035	6437 31	027	14946 49	062	14946 49	062	14946 49						
<b>MAINTENANCE.</b>																								
125	Tracks and Yards,	1198 49	004	187 34	001	1385 83	005	1385 83	005	644 08	003	188 03	000	832 11	003	832 11	003	832 11						
126	Docks, Trestles and Pockets,	536 94	002	527 66	002	1064 60	004	1064 60	004	690 06	003	1774 29	007	2464 35	010	2464 35	010	2464 35						
127	Buildings,	2069 50	008	1665 11	006	3734 61	014	3734 61	014	1497 17	006	1819 91	008	3317 08	014	3317 08	014	3317 08						
128	Shop Machinery,	122 78	001	98 59	000	221 37	001	221 37	001	46 52	000	871 86	004	918 38	004	918 38	004	918 38						
129	Boiler Plant,	531 90	002	116 92	000	648 82	002	648 82	002	539 50	002	1109 65	005	1649 15	007	1649 15	007	1649 15						
130	Hoisting Machinery,	788 17	003	1007 63	004	1795 80	007	1795 80	007	630 82	003	1353 67	005	1984 49	008	1984 49	008	1984 49						
131	Compressors and Power Drills,	39 49	000	946 39	004	985 88	004	985 88	004	1284 12	005	2147 36	009	3431 48	014	3431 48	014	3431 48						
132	Pumping Machinery,	229 12	001	107 47	000	336 59	001	336 59	001	647 30	003	512 98	002	1160 28	005	1160 28	005	1160 28						
133	Top Tram Engines and Cars,	665 06	003	1310 10	005	1975 16	008	1975 16	008	401 41	002	496 06	002	897 47	004	897 47	004	897 47						
134	Skips and Skip Roads,	1246 90	005	1028 70	004	2275 60	009	2275 60	009	822 18	004	1454 99	006	2277 17	010	2277 17	010	2277 17						
135	Underground Tracks and Cars,	4337 64	017	3014 84	011	7352 48	028	7352 48	028	3709 43	015	2056 25	009	5765 68	024	5765 68	024	5765 68						
136	Electric Tram Plant,	1 24	000			1 24	000	1 24	000															
137	Telephones and Safety Devices,	825 77	003	831 78	003	1657 55	006	1657 55	006	1191 16	005	894 16	004	2085 32	009	2085 32	009	2085 32						
138	Crushing & Screening Ore,	1668 51	006	2762 60	011	4431 11	017	4431 11	017	1294 77	005	1375 14	006	2669 91	011	2669 91	011	2669 91						
140	Fire in Coal Pile,	71 70	000	152 74	001	224 44	001	224 44	001															
	Total,	14333 21	055	13757 87	052	28091 08	107	28091 08	107	13398 52	056	16054 35	067	29452 87	123	29452 87	123	29452 87						
<b>MINING EXPENSE.</b>																								
150	Air Pipes,	1092 38	004	965 82	004	2058 20	008	2058 20	008	922 04	004	2747 19	011	3669 23	015	3669 23	015	3669 23						
151	Compressors,			10629 35	040	10629 35	040	10629 35	040			9605 77	040	9605 77	040	9605 77	040	9605 77						
152	Hoisting,	4081 32	016	4718 46	018	8799 78	034	8799 78	034	4335 29	018	3284 80	014	7620 09	032	7620 09	032	7620 09						
153	Pumping,	3204 09	012	8858 46	023	9262 55	035	9262 55	035	3161 32	013	7031 08	030	10192 40	043	10192 40	043	10192 40						
154	Sinking and Shaft Repairs,	413 82	002	502 99	002	916 81	004	916 81	004	7826 01	033	3194 36	013	11020 37	046	11020 37	046	11020 37						
155	Rock Drifting,	14924 38	057	8711 55	033	23635 93	090	23635 93	090	11445 47	048	4950 95	021	16396 42	069	16396 42	069	16396 42						
156	Breaking Ore,	73861 65	280	30765 32	119	104326 97	399	104326 97	399	66988 10	280	30554 16	128	97542 26	408	97542 26	408	97542 26						
157	Tramming,	60774 33	233	1058 73	004	61833 06	237	61833 06	237	54387 56	227	1794 50	008	56182 06	235	56182 06	235	56182 06						
158	Filling,	2569 00	010	7 47	000	2576 47	010	2576 47	010	2749 41	012			2749 41	012	2749 41	012	2749 41						
159	Timbering,	1081 58	004	583 87	002	1665 45	006	1665 45	006	651 22	003	86 79	000	238 01	003	238 01	003	238 01						
160	Captain and Bosses,	7394 89	028	6 67	000	7401 56	028	7401 56	028	5835 73	024	32 96	000	5868 69	024	5868 69	024	5868 69						
161	Dry House,	670 28	002	221 20	001	891 48	003	891 48	003	644 76	003	213 79	001	858 55	004	858 55	004	858 55						
162	Top Landing and Tramming,	2277 90	009	223 57	001	2501 47	010	2501 47	010	3736 87	015	645 11	003	4381 98	018	4381 98	018	4381 98						
163	Stocking Ore,	1708 35	007	315 76	001	2024 11	008	2024 11	008	2323 35	010	195 24	000	2518 59	010	2518 59	010	2518 59						
164	Sorting Ore,	4165 96	016	10 92	000	4176 88	016	4176 88	016	2082 26	009	72 00	000	2082 98	009	2082 98	009	2082 98						
168	Crushing Ore,	1738 47	007	1077 96	004	2816 43	011	2816 43	011	4864 03	020	2718 46	012	7582 49	032	7582 49	032	7582 49						
169	Screening Ore,	1179 22	005	137 80	000	1317 02	005	1317 02	005	1322 05	006	194 18	000	1516 23	006	1516 23	006	1516 23						
	Total,	180837 62	692	65895 90	252	246733 52	944	246733 52	944	173275 47	725	67250 06	281	240525 53	1,006	240525 53	1,006	240525 53						
	Cost of Production, Per Cent,	203390 34	778	82592 73	316	285983 07	1,094	285983 07	1,094	195183 17	816	89741 72	375	284924 89	1,191	284924 89	1,191	284924 89						
		71%		29%		100%		100%		68%		32%		100%		100%		100%						
<b>EXPLORATORY.</b>																								
171	Exploring in Mines,	1467 27	006	2329 60	009	3796 87	015	3796 87	015	196 98	001	457 67	002	654 65	003	654 65	003	654 65						
172	Surface,									4781 61	020	5188 57	022	9970 18	042	9970 18	042	9970 18						
	Total,									4978 59	021	5646 24	024	10624 83	045	10624 83	045	10624 83						
<b>DEPRECIATION, Etc.</b>																								
115	Original Purchase,																							
116	Plant Account,					13343 75	051	13343 75	051					12245 10	051	12245 10	051	12245 10						
117	Equipment,					151 62	001	151 62	001					434 70	002	434 70	002	434 70						
118	New Construction,																							
119	Supply Inventory,					35 49	000	35 49	000					27 62	000	27 62	000	27 62						
120	Miscellaneous,					16 53	000	16 53	000					1137 71	005	1137 71	005	1137 71						
	Total,					13514 33	052	13514 33	052					11514 47	048	11514 47	048	11514 47						
32	Taxes,					46337 09	177	46337 09	177					51438 38	215	51438 38	215	51438 38						
c	Central Office (per cent)	12839 48	049	5623 15	022	18462 63	071	18462 63	071	9902 64	041	4225 97	018	14128 61	059	14128 61	059	14128 61						
121	Fire Loss,					1 45	000	1 45	000															
122	Idle Expense,																							
	Total Cost on Stock Pile,	217697 09	833	90545 48	347	368095 44	1,409	368095 44	1,409	210064 40	878	99613 93	417	372631 18	1,558	372631 18	1,558	372631 18						
<b>LOADING AND SHIPPING.</b>																								
180	Steam Shovel,	194191 1/2	27801	49 60	000	4818 09	025	4867 59	025	13 47		1587 18	057	1600 65	057	1600 65	057	1600 65						

Analysis of Supplies.

Analysis of Labor.

Labor.

CLEVELAND-CLIFFS IRON CO.		12 MONTH 1912.		12 MONTHS 1911.		Labor as per Cost Sheet, (E) Other Charges, Total,	219916.07	Labor.			
PRODUCT.		261320 Tons		239299 Tons				As per Labor Statement, General Pay Roll, Total,	203159.67 16756.40 219916.07		
Class	Amount	Per Ton	Amount	Per Ton							
1	General Supplies	6148 91	024	6604 72	027						
2	Iron and Steel	4496 35	016	2914 80	012						
3	Oil, Grease and Candles	1280 71	005	3691 65	015						
4	Machinery Supplies	8796 91	034	10005 44	042						
5	Building Material	1924 47	007	5029 99	021						
6	Explosives	27104 53	104	25163 13	105						
7	Mine Timber	345 26	002	191 46	001						
8	Fuel	19138 25	073	19744 87	083						
9	Electric Power	1626 25	006	1154 79	005						
10	Sundries	10812 80	042	14792 32	062						
11	Other Mines and Accounts	9859 00	038	10755 30	045						
	Total Supplies	71815 44	275	78537 87	328						
	Direct Charges	24481 16	094	23452 53	098						
(E)	Total as per Cost Sheet	96296 60	369	101990 40	426						
DETAIL OF DIRECT CHARGES.						COMPARATIVE COST ON CARS. (E)					
26	Insurance	191 85	001	246 21	001	12 Months 19 09	237606	1 299			
28	Analysis	717 27	003	573 90	002	13 Months 19 09	257537	1 325			
29	Relief Fund	645 00	002	1106 70	005	12 Months 19 10	245061	1 364			
30	Personal Injury Expense	533 55	002	3732 85	015	12 Months 19 11	239299	1 570			
a	Mine Office	438 03	002	420 88	002	12 Months 19 12	261320	1 439			
b	District Office										
151	Operating Compressors	10557 85	040	9627 98	040						
171-	Exploratory	286 29	001	943 18	004						
c	Central Office	5623 15	022	4225 97	018						
180-	Loading and Shipping	4758 92	018	2349 74	010						
	Sorters, L.E. Dock, Telephones & Safety Dev.,	729 25	003	225 12	001						
	Total	24481 16	094	23452 53	098						

COMPARATIVE COST ON CARS. (E)		ON CARS. (E)	
PRODUCT.	COST.	DUCT.	COST.
12 Months 19 09	237606		500
13 Months 19 09	257537		720
12 Months 19 10	245061		075
12 Months 19 11	239299		000
12 Months 19 12	261320		000

DIVISION OF PRODUCT—By Grades.		By Grades.	
	1912	1911	YEAR.
Crushed,	135957	173472	
Screened,	125363	65827	
Total,	261320	239299	
<i>Opt Crushed per cent</i>	<i>52</i>	<i>72.5</i>	
<i>Do Cost ton</i>	<i>.021</i>	<i>044</i>	
<i>Screened per cent</i>	<i>48</i>	<i>27.5</i>	
<i>Do Cost ton</i>	<i>011</i>	<i>023</i>	



THE CLEVELAND-CLIFFS IRON CO.

MINING DEPARTMENT.

COST OF PRODUCTION FOR THE MONTH OF YEARS 1912 & 1911.

Acct. No.	CROSBY. MINE.	YEAR 1912.						Year 1911.						77927 Tons	
		115505 Tons												154	
		No. Shifts and Days Operated 1-10hr; 2-10; 2-8: 194												2-10hr. 154	
		Average Daily Product 596												506	
		No. of Days Idle 123												158	
		LARGE			SUPPLIES			LABOR			SUPPLIES			TOTAL	
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton
<b>GENERAL EXPENSE.</b>															
26	Insurance,			483 44	004	483 44	004			476 62	006	476 62	006		
27	Engineering,	655 71	006	12 34	000	668 05	006	632 71	008	71 14	001	703 85	009		
28	Analysis,	387 75	003	1946 07	017	2333 82	020	715 61	009	202 95	003	918 56	012		
29	Relief Fund,														
30	Personal Injury Expense,			2253 48	020	2253 48	020			2154 91	028	2154 91	028		
a	Mine Office,	3696 77	032	960 05	008	4676 82	040	4141 40	053	2043 35	026	6184 75	079		
b	District Office,														
Total,		4740 23	041	5675 38	049	10415 61	090	5489 72	070	4948 97	064	10438 69	134		
<b>MAINTENANCE.</b>															
125	Tracks and Yards,	575 75	005	11 05	000	566 80	005	525 35	007	47 30	000	572 65	007		
126	Docks, Trestles and Pockets,	113 29	001	86 27	001	199 56	002	35 48	000	13 11	000	48 59	000		
127	Buildings,	227 36	002	269 09	002	496 45	004	174 35	002	252 72	004	427 07	006		
128	Shop Machinery,							21 59	000	366 80	005	388 39	005		
129	Boiler Plant,	20 21	000	3 86	000	16 35	000	52 75	000	113 93	002	166 68	002		
130	Hoisting Machinery,	259 56	002	526 90	005	796 46	007	18 57	000	13 11	000	31 68	000		
131	Compressors and Power Drills,														
132	Pumping Machinery,	105 85	001	248 96	002	354 81	003	93 79	001	72 80	001	166 59	002		
133	Top Tram Engines and Cars,	282 34	002	277 17	003	559 51	005	374 05	004	132 66	002	506 71	006		
134	Skips and Skip Roads,	108 49	001	108 73	001	217 22	002	179 79	003	33 30	000	213 09	003		
135	Underground Tracks and Cars,	101 38	001	17 16	000	84 22	001	194 46	003	375 14	004	569 60	007		
136	Electric Tram Plant,	356 37	003	351 83	003	708 20	006	2398 01	031	1443 37	019	3841 38	050		
137	Telephones and Safety Devices,	72 62	001,	30 71	000	103 33	001	42 39	001	32 69	000	75 08	001		
Total,		2223 22	019	1889 69	017	4112 91	036	4110 58	052	2896 93	037	7007 51	089		
<b>MINING EXPENSE.</b>															
150	Air Pipes,							7 98		79		8 77			
151	Compressors,														
152	Hoisting,	1599 54	014	2147 97	018	3747 51	032	1434 22	019	2528 08	032	3962 30	051		
153	Pumping,	2863 59	025	2184 68	018	5048 27	043	2757 54	035	2623 29	034	5380 83	069		
154	Sinking and Shaft Repairs,														
155	Rock Drifting,	2046 97	018	314 64	002	2361 61	020	2804 74	036	638 96	008	3443 70	044		
156	Breaking Ore,	21555 10	187	4025 69	034	25580 79	221	31233 80	401	5448 72	070	36682 52	471		
157	Tramming,	5308 62	046	1369 27	012	6677 89	058	5574 89	071	1773 47	023	7348 36	094		
158	Filling,														
159	Timbering,	2216 95	019	1792 33	016	4009 28	035	3648 73	047	3925 50	050	7574 23	097		
160	Captain and Bosses,	2102 25	018	12 48	000	2114 73	018	3665 53	048			3665 53	048		
161	Dry House,	281 59	002	124 34	002	405 93	004	204 19	003	135 21	001	339 40	004		
162	Top Landing and Tramming,	777 87	007	138 52	001	916 39	008	2195 08	028	211 41	003	2406 49	031		
163	Stocking Ore,	341 17	002	526 40	006	867 57	008	566 50	007	205 92	003	772 42	010		
164	Sorting Ore,	3465 18	030	497 20	004	3962 38	034	2261 62	029	64 92	001	2326 54	030		
165	Stripping,			71 95	000	71 95	000								
Total,		42558 83	368	13061 57	113	55620 40	481	56354 82	724	17556 27	225	73911 09	949		
Cost of Production, Per Cent,		49522 28	428	20626 64	179	70148 92	607	65955 12	846	25402 17	326	91357 29	1.172		
		70%		30%		100%		72%		28%		100%			
<b>EXPLORATORY.</b>															
171	Exploring in Mines,														
172	Surface,														
Total,															
<b>DEPRECIATION, Etc.</b>															
115	Original Purchase,														
116	Plant Account,					34746 92	301					3083 83	039		
117	Equipment,					331 16	003					138 90	002		
118	New Construction,														
119	Supply Inventory,					25 58	000					26 02	000		
120	Miscellaneous, Reopening,	149 14	001	2 25	000	151 39	001					35 33	000		
Total,						35203 89	305					3161 38	041		
32	Taxes, Central Office (per cent)	2149 65	019	1161 44	010	3311 09	029	3025 11	039	1439 50	018	4464 61	057		
121	Fire Loss,														
122	Idle Expense,					4154 43									
Total Cost on Stock Pile,		51821 07	448	21790 33	189	113232 08	980	68980 23	885	26841 67	344	101142 01	1.298		
<b>LOADING AND SHIPPING.</b>															
180	Steam Shovel, 90642 ✓	1678 91	019	645 71	007	2324 62	026	470 68		361 23		831 91			
181	By Hand,														
182	At Pocket, 97726 ✓ 18439 ✓	353 89	004	3 35	000	357 24	004	116 31	006			116 31	006		
Total,		2032 80	018	653 60	005	2686 40	023	586 99	007	361 23	005	948 22	012		
Total Cost on Cars,		53853 87	466	22443 93	194	115918 48	1.003	69567 22	892	27202 90	349	102090 23	1.310		
190	Depreciation Cost of Mine, per ton,														
191	Royalty Rate,							200				200			
192	Cleveland Office Expense,							150				150			
Total Cost,								1.353				1.660			

Acct. No.	Accounts not Sunk Off	12 Months 1912.		12 Months 1911.		Sinking Acct. No. 154			Rock Drifting Acct. No. 155			Ting Acct. No. 155		
		Amount	Per Ton	Amount	Per Ton	Per Ft.	Amount	Per Ft.	Per Ft.	Amount	Per Ft.			
4	Plant,	66179 22		100830 72										
Total,									361	2361 61	6.54	851	3443 70	4.05

REMARKS: Mine closed June 30th, 1911; resumed mining May 20th, 1912  
 Shifts and Hours 1912: 1-10hr. 152 days, 2-10hr. 7 days, 2-8hr. 35 days.  
 (operated 3 Sundays during year)

Total idle expense included in cost accounts, as follows:  
 year 1911 - \$7756.80 Per ton .028  
 year 1912 - 4752.43 " .039  
 Total \$12509.23

Detail 116 Plant, 1911  
 34651.50  
 Clerks Cottage, 95.42  
 4 Total, 34746.92

2952.60  
 131.23  
 3083.83

*Handwritten initials and date:* E.T.B. 7/29/13

Analysis of Supplies.

Analysis of Labor.

labor.

CLEVELAND-CLIFFS IRON CO.		12 MONTH 1912.		12 MONTHS 1912.		Labor as per Cost Sheet, (E)		53853.87	
PRODUCT.		115505 Tons		77927 Tons		Other Charges,			
Class		Amount	Per Ton	Amount	Per Ton	Total,			
1	General Supplies,	1980 95	017	1340 01	017	As per Labor Statement,		48621.72 ✓	
2	Iron and Steel,	405 80	004	657 83	008	General Pay Roll,		5232.15	
3	Oil, Grease and Candles	622 55	005	1238 70	016	Total,		53853.87	
4	Machinery Supplies,	1169 69	010	2143 26	027	COMPARATIVE COST ON CARS. (E) N CARS. (E)			
5	Building Material,	525 69	005	461 21	006				
6	Explosives,	4186 87	036	5052 88	065	PRODUCT.		COST.	
7	Mine Timber,	1641 60	014	3714 03	048	12 Months 19 09		111426	
8	Fuel,	5778 60	050	6393 32	082	12 Months 19 09		112090	
9	Electric Power			491 70	007	12 Months 19 10		189089	
10	Sundries,	2253 88	020	747 62	009	12 Months 19 11		77927	
11	Other Mines and Accounts,	6 67	000	37 61	000	12 Months 19 12		115505	
	Total Supplies,	18558 96	161	22202 95	285				
	Direct Charges,	3884 97	033	4999 95	064				
(E)	Total as per Cost Sheet,	22443 93	194	27202 90	349				
DECT. No. DETAIL OF DIRECT CHARGES.						DIVISION OF PRODUCT—By Grades.		—By Grades.	
26	Insurance,	483 44	003	476 62	006	1912		1911	
28	Analysis,		94	6 68	000				
29	Relief Fund,								
30	Personal Injury Expense,	2253 48	019	2154 91	027	Crosby Bessemer,		115019	
a	Mine Office,	14 33	000	922 24	012	" " Overrun,		486	
b	District Office,					Total,		115505	
151	Operating Compressors.								
171-	Exploratory,								
c	Central Office,	1161.44	010	1439 50	019				
180-	Loading and Shipping,								
	Total,	3884 97	032	4999 95	064				



# The Cleveland-Cliffs Iron Co.

MINING DEPARTMENT.

MINE.

Cost Sheet for the Month of

19

Sent 19

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THE CLEVELAND-CLIFFS IRON CO.

MINING DEPARTMENT.

COST OF PRODUCTION FOR THE MONTH OF YEARS 1912 & 1911.

FORM 8, 1909, 7-12, M. J.

Acct. No.	FOSTER. MINE.	YEAR 1912.				Tons		YEAR 1911.					
		No. Shifts and Days Operated								Average Daily Product			
		No. of Days Idle											
		LABOR		SUPPLIES		TOTAL		Supplies		Total			
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton		
<b>GENERAL EXPENSE.</b>													
26	Insurance,												
27	Engineering,												
28	Analysis,												
29	Relief Fund,												
30	Personal Injury Expense,												
a	Mine Office, Watchman,			60 00		60 00		60 00		60 00			
b	District Office,												
	Total,												
<b>MAINTENANCE.</b>													
125	Tracks and Yards,												
126	Docks, Trestles and Pockets,												
127	Buildings,												
128	Shop Machinery,												
129	Boiler Plant,												
130	Hoisting Machinery,												
131	Compressors and Power Drills,												
132	Pumping Machinery,												
133	Top Tram Engines and Cars,												
134	Skips and Skip Roads,												
135	Underground Tracks and Cars,												
136	Electric Tram Plant,												
137	Telephones and Safety Devices,												
	Total,												
<b>MINING EXPENSE.</b>													
150	Air Pipes,												
151	Compressors,												
152	Hoisting,												
153	Pumping,												
154	Sinking and Shaft Repairs,												
155	Rock Drifting,												
156	Breaking Ore,												
157	Tramming,												
158	Filling,												
159	Timbering,												
160	Captain and Bosses,												
161	Dry House,												
162	Top Landing and Tramming,												
163	Stocking Ore,												
164	Sorting Ore,												
	Total,												
	Cost of Production, Per Cent,			60 00		60 00		60 00		60 00			
<b>EXPLORATORY.</b>													
171	Exploring in Mines,												
172	" Surface,												
	Total,												
<b>DEPRECIATION, Etc.</b>													
115	Original Purchase,												
116	Plant Account,												
117	Equipment,												
118	New Construction,												
119	Supply Inventory,												
120	Miscellaneous,												
	Total,												
32	Taxes,							83 69		82 35			
c	Central Office ( per cent)												
121	Fire Loss,												
122	Idle Expense,												
	Total Cost on Stock Pile,			60 00		143 69		60 00		142 35			
<b>LOADING AND SHIPPING.</b>													
180	Steam Shovel,												
181	By Hand,												
182	At Pocket,												
184	Shipping Expense,												
	Total,												
E	Total Cost on Cars,			60 00		143 69		60 00		142 35			
190	Depreciation Cost of Mine, per ton,												
191	Royalty Rate, "												
192	Cleveland Office Expense, "												
	Total Cost,												

A	Accounts not Sunk Off	12 Months 1912.		12 Months 1911.		Sinking Acct. No. 154			Rock Drifting Acct. No. 155		
Act. No.	Memo.	Amount	Per Ton	Amount	Per Ton	Fast	Amount	Per Ft.	Fast	Amount	Per Ft.
	Explorations, Construction Statement Total,	1653 29		1653 29							

REMARKS: Mine closed November 30th 1902.

Foster explorations N.W. 1/4 of NW 1/4 Section 26-47-27. Expenditures from June 1st 1906 to December 31st 1912 is carried over. No expenditures for year 1912.

CTB:B. 3/29/13.

MINE.

Month of

Analysis of Supplies.

Analysis of Labor.

CLEVELAND-CLIFFS IRON CO.		MONTH		MONTHS		Labor as per Cost Sheet, (E)	
PRODUCT.		Tons		Tons		Other Charges,	
Class	Amount	Per Ton	Amount	Per Ton	Total,		
1 General Supplies,							
2 Iron and Steel,							
3 Oil, Grease and Candles							
4 Machinery Supplies,							
5 Building Material,							
6 Explosives,	75	7075*	75	7077*			
7 Mine Timber,							
8 Fuel,							
9 Electric Power							
10 Sundries,							
11 Other Mines and Accounts,							
Total Supplies,							
Direct Charges,							
(E) Total as per Cost Sheet,							
<b>DETAIL OF DIRECT CHARGES.</b>							
26 Insurance,							
28 Analysis,							
29 Relief Fund,							
30 Personal Injury Expense,							
a Mine Office,							
b District Office,							
151 Operating Compressors.							
171- Exploratory,							
c Central Office,							
180- Loading and Shipping,							
Total,							

  

COMPARATIVE COST ON CARS. (E)			
	PRODUCT.	COST.	
..... Months 19			
..... Months 19			
..... Months 19			
..... Months 19			

  

DIVISION OF PRODUCT—By Grades.		
	MONTH.	YEAR.
Total,		

The Cleveland-Cliffs Iron Co.

MINING DEPARTMENT.

MINE.

Cost Sheet for the Month of

19

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THE CLEVELAND-CLIFFS IRON CO.  
MINING DEPARTMENT.

COST OF PRODUCTION FOR THE MONTH OF YEARS 1912 & 1911.

Acct. No.	HEMATITE. MINER.	YEAR 1912.				YEAR 1911.					
		Tons				Tons					
		No. Shifts and Days Operated				Average Daily Product					
		Average Daily Product				No. of Days Idle					
		LABOR		SUPPLIES		TOTAL		Supplies		Total	
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton
<b>GENERAL EXPENSE.</b>											
26	Insurance,										
27	Engineering,										
28	Analysis,										
29	Relief Fund,										
30	Personal Injury Expense,										
a	Mine Office,										
b	District Office,										
	Total,										
<b>MAINTENANCE.</b>											
125	Tracks and Yards,										
126	Docks, Trestles and Pockets,										
127	Buildings,										
128	Shop Machinery,										
129	Boiler Plant,										
130	Hoisting Machinery,										
131	Compressors and Power Drills,										
132	Pumping Machinery,										
133	Top Tram Engines and Cars,										
134	Skips and Skip Roads,										
135	Underground Tracks and Cars,										
136	Electric Tram Plant,										
137	Telephones and Safety Devices,										
	Total,										
<b>MINING EXPENSE.</b>											
150	Air Pipes,										
151	Compressors,										
152	Hoisting,										
153	Pumping,										
154	Sinking and Shaft Repairs,										
155	Rock Drifting,										
156	Breaking Ore,										
157	Tramming,										
158	Filling,										
159	Timbering,										
160	Captain and Bosses,										
161	Dry House,										
162	Top Landing and Tramming,										
163	Stocking Ore,										
164	Sorting Ore,										
166	<b>Cave In, Repair Fences,</b>			5 65		5 65		17 18		17 18	
	Total,										
	Cost of Production, Per Cent,			5 65		5 65		17 18		17 18	
<b>EXPLORATORY.</b>											
171	Exploring in Mines,										
172	“ Surface,										
	Total,										
<b>DEPRECIATION, Etc.</b>											
115	Original Purchase,										
116	Plant Account,										
117	Equipment,										
118	New Construction,										
119	Supply Inventory,										
120	Miscellaneous,										
	Total,										
32	Taxes, Central Office (per cent)					254 92				268 64	
121	Fire Loss,										
122	Idle Expense,										
	Total Cost on Stock Pile,			5 65		260 57		17 18		285 82	
<b>LOADING AND SHIPPING.</b>											
180	Steam Shovel,										
181	By Hand,										
182	At Pocket,										
184	Shipping Expense,										
	Total,										
E	Total Cost on Cars,			5 65		260 57		17 18		285 82	
190	Depreciation Cost of Mine, per ton,										
191	Royalty Rate,										
192	Cleveland Office Expense,										
	Total Cost,										

A	Accounts not Sunk Off	Months		Months		Sinking Acct. No. 154			Rock Drifting Acct. No. 155		
		Amount	Per Ton	Amount	Per Ton	Feet	Amount	Per Ft.	Feet	Amount	Per Ft.
	Total,										

REMARKS: Mine closed July 14th, 1895.  
Plant all dismantled and moved to other mines.  
166- Cave In Repairing fences around open pits.

CTB:B.  
1/29/13.



The Cleveland-Cliffs Iron Co.

MINING DEPARTMENT.

MINE.

Cost Sheet for the Month of

19

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**THE CLEVELAND-CLIFFS IRON CO.**  
MINING DEPARTMENT.

COST OF PRODUCTION FOR THE MONTH OF YEARS 1912 & 1911.

Acct. No.	IMPERIAL MINE	YEAR 1912.				YEAR 1911.				104550 tons			
		none Tons											
		No. Shifts and Days Operated								2-10hr. 230			
Average Daily Product								454		82			
No. of Days Idle				314									
		LABOR		SUPPLIES		TOTAL		LABOR		SUPPLIES		TOTAL	
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton
<b>GENERAL EXPENSE.</b>													
26	Insurance,			114 72		114 72				149 75	001	149 75	001
27	Engineering,	236 30			236 30		558 87	006	120 17	001	679 04	007	
28	Analysis,	175 35		86 88	262 23		562 61	005	1007 90	010	1570 51	015	
29	Relief Fund,			7 80	7 80				354 30	004	354 30	004	
30	Personal Injury Expense,												
a	Mine Office,	618 30		317 26	935 56		1185 83	011	448 65	004	1634 48	015	
b	District Office,												
	Total,	1029 95		526 66	1556 61		2307 31	022	2080 77	020	4388 08	042	
<b>MAINTENANCE.</b>													
125	Tracks and Yards,	97 90		9 31	107 21		86 91	001	8 07	000	94 98	001	
126	Docks, Trestles and Pockets,	15 40			15 40		510 03	006	712 22	006	1222 25	012	
127	Buildings,	4 40			4 40		96 22	001	112 70	001	208 92	002	
128	Shop Machinery,						42 62	000	69 38	001	112 00	001	
129	Boiler Plant,	16 90		4 38	21 28		54 38	000	215 85	003	270 23	003	
130	Hoisting Machinery,						81 11	001	51 12	000	132 23	001	
131	Compressors and Power Drills,						107 68	001	27 72	000	135 40	001	
132	Pumping Machinery,	19 80		97 85	117 65		92 26	001	179 74	002	272 00	003	
133	Top Tram Engines and Cars,						2 68	000			2 61	000	
134	Skips and Skip Roads,						71 61	000	85 18	001	156 79	001	
135	Underground Tracks and Cars,						688 64	007	403 17	003	1091 81	010	
136	Electric Tram Plant,												
137	Telephones and Safety Devices,						9 67	000	86 57	001	96 24	001	
	Total,	154 40		111 54	265 94		1843 74	018	1951 72	018	3795 46	036	
<b>MINING EXPENSE.</b>													
150	Air Pipes,						487 50	005	276 87	002	764 37	007	
151	Compressors,			345 62	345 62		1782 36	017	5097 94	049	6880 30	066	
152	Hoisting,			141 39	141 39		2309 79	022	2116 70	020	4426 49	042	
153	Pumping,			141 39	141 39		1329 08	013	2086 15	020	3415 23	033	
154	Sinking and Shaft Repairs,						2161 21	021	350 11	003	2511 32	024	
155	Rock Drifting,						120 96	001	92 98	001	213 94	002	
156	Breaking Ore,						38689.85	370	10063 26	096	48753 12	466	
157	Tramming,						11456 03	110	234 99	002	11691 02	112	
158	Filling,												
159	Timbering,						1170 01	010	3082 63	031	4252 64	041	
160	Captain and Bosses,	1320 00			1320 00		2853 13	027			2853 13	027	
161	Dry House,			12 57	12 57		392 38	004	192 98	002	585 36	006	
162	Top Landing and Tramming,						1733 24	017	33 88	000	1767 12	017	
163	Stocking Ore,						485 75	004	70 39	001	556 14	005	
164	Sorting Ore,	78 20			78 20		604 45	006			604 45	006	
	Total,	1398 20		640 97	757 23		65575 75	627	23698 88	227	89274 63	854	
	Cost of Production, Per Cent,	2582 55		2 77	2579 78		69726 80	667	27731 37	265	97458 17	932	
							71%		29%		100%		
<b>EXPLORATORY.</b>													
171	Exploring in Mines,												
172	Surface,												
	Total,												
<b>DEPRECIATION, Etc.</b>													
115	Original Purchase, Plant Account,												
116	Equipment,												
117	New Construction,	2342 82		21850 80	24193 62		467 23	004	3173 81	031	3641 04	035	
118	Supply Inventory,				14 80						18 92	000	
119	Miscellaneous,	101 60		87 27	191 40				36 10	000	90 19	001	
120	Total,	2444 42		21938 07	24399 82		467 23	004	3209 91	030	3569 77	034	
32	Taxes, Central Office (per cent)	268 78		145 71	2011 92		3253 74	031	1501 93	015	2075 75	020	
121	Fire Loss,				414 49						4755 67	046	
122	Idle Expense,												
	Total Cost on Stock Pile,	5295 75		22081 01	29406 01		73447 77	702	32443 21	310	107859 36	1.032	
<b>LOADING AND SHIPPING.</b>													
180	Steam Shovel,	39624	196 90	2728 76	2925 66		1029 72	026	1384 27	035	2413 99	061	
181	By Hand,		943 64	3 25	946 89								
182	At Pocket,	45219					833 25	018	9 02	001	842 27	019	
184	Shipping Expense,						9 90		25		10 15		
	Total,	1140 54		2732 01	3872 55		1872 87	018	1393 54	013	3266 41	031	
E	Total Cost on Cars,	6436 29		24813 02	33878 56		75320 64	720	33836 75	323	111125 77	1.063	
190	Depreciation Cost of Mine, per ton,												
191	Royalty Rate,											200	
192	Cleveland Office Expense,											150	
	Total Cost,											1.413	

Acct. No.	Accounts not Sunk Off	Months		Months		Sinking Acct. No. 154			Rock Drifting Acct. No. 155			ting Acct. No. 155	
		Amount	Per Ton	Amount	Per Ton	Foot	Amount	Per Ft.	Foot	Amount	Per Ft.	Amount	Per Ft.
	Total,												

REMARKS: Mine closed October 7th, 1911.

1911 Closing Mine 36.10	1912 Labor		
Opt. Blags., Cr. 125.84	Installing Hoist E&A 245	124.10	99.68
Unclaimed Wages Cr. .45	New Crusher E & A 238.	2218.72	21751.12
Total Cr. \$90.19		2342.82	21850.80
			24193.62

Total cost Idle Expense, Nov. 337.64 .004

Dec. 211.74

Total 549.38 .005

OTB:B. *[Signature]*

1912 Detail #120 Miscellaneous		
Unwatering mine,	101.60	87.27
Operating Buildings,		2.53
	101.60	87.27
		191.40



Analysis of Supplies.

Analysis of Labor.

Labor.

CLEVELAND-CLIFFS IRON CO.		12 MONTH 1912.		12 MONTHS 1911.		Labor as per Cost Sheet, (E)	6436.29				
PRODUCT.		none.	Tons	104550	Tons						
Class		Amount	Per Ton	Amount	Per Ton	Other Charges,					
1	General Supplies,	369	78	568	00	Total,					
2	Iron and Steel,	38	18	627	17						
3	Oil, Grease and Candles	3	73	1381	40	As per Labor Statement,	5621.21 ✓				
4	Machinery Supplies,	19556	33	2183	16						
5	Building Material,	1507	79	793	85	General Pay Roll,	815.09				
6	Explosives,			8493	22						
7	Mine Timber,			2904	70	Total,	6436.29				
8	Fuel,	640	97	8827	91						
9	Electric Power			501	79	COMPARATIVE COST ON CARS. (E) IN CARS. (E)					
10	Sundries,	1197	72	3780	57						12 Months 1909
11	Other Mines and Accounts,	10	22			13 Months 1909	85024	1	213		
Total Supplies,		22022	34	30061	77	12 Months 1910	138213	1	104		
Direct Charges,		2790	68	3771	48	12 Months 1911	104550	1	063		
CLOSING MINE				3	50	12 Months 1912	none				
(E)	Total as per Cost Sheet,	24813	02	33836	75						
DETAIL OF DIRECT CHARGES.						DIVISION OF PRODUCT—By Grades.		T—By Grades.			
26	Insurance,	114	72	149	75	12 MONTH 1912	1911 YEAR.	104550			
28	Analysis,	52	49	901	30						
29	Relief Fund,	7	80	354	30						
30	Personal Injury Expense,			5	00	Imperial	none				
a	Mine Office,	1	40	5	00	Total,					
b	District Office,										
151	Operating Compressors.										
171-	Exploratory,										
c	Central Office,	145	71	1501	93						
180-	Loading and Shipping,	2468	56	775	69						
	Maintenance Safety App.,			83	51						
Total,		2790	68	3771	48						

# The Cleveland-Cliffs Iron Co.

MINING DEPARTMENT.

MINE.

Cost Sheet for the Month of

19

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Ans.

THE CLEVELAND-CLIFFS IRON CO.

MINING DEPARTMENT.

COST OF PRODUCTION FOR THE MONTH OF YEARS 1912 & 1913.

FORM 8, 1912, 7-12, W. J.

Acct. No.	NORTH JACKSON. MINN.	Month of YEAR 1912.		none. Tons		Months		Months		12 Months 1911.			
		No. Shifts and Days Operated		Average Daily Product		No. of Days Idle		314					
		LABOR		SUPPLIES		TOTAL		LABOR		SUPPLIES		TOTAL	
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton
<b>GENERAL EXPENSE.</b>													
26	Insurance,			100 29	✓	100 29	✓			121 95		121 95	
27	Engineering,												
28	Analysis,												
29	Relief Fund,												
30	Personal Injury Expense,												
a	Mine Office,												
b	District Office,												
	Total,			100 29		100 29	✓			121 95		121 95	✓
<b>MAINTENANCE.</b>													
125	Tracks and Yards,							30 60				30 60	
126	Docks, Trestles and Pockets,												
127	Buildings,												
128	Shop Machinery,												
129	Boiler Plant,												
130	Hoisting Machinery,												
131	Compressors and Power Drills,												
132	Pumping Machinery,												
133	Top Tram Engines and Cars,												
134	Skips and Skip Roads,												
135	Underground Tracks and Cars,												
136	Electric Tram Plant,												
137	Telephones and Safety Devices,												
	Total,							30 60				30 60	✓
<b>MINING EXPENSE.</b>													
150	Air Pipes,												
151	Compressors,												
152	Hoisting,												
153	Pumping,												
154	Sinking and Shaft Repairs,												
155	Rock Drifting,												
156	Breaking Ore,												
157	Tramming,												
158	Filling,												
159	Timbering,												
160	Captain and Bosses,												
161	Dry House,												
162	Top Landing and Tramming,												
163	Stocking Ore,												
164	Sorting Ore,												
166	Cave in,	33 60		4 50		38 10							
	Total,	33 60		4 50		38 10							
	Cost of Production, Per Cent,	33 60		104 79		138 39		30 60	19%	121 95	81%	152 55	100%
<b>EXPLORATORY.</b>													
171	Exploring in Mines,												
172	Surface,												
	Total,												
<b>DEPRECIATION, Etc.</b>													
115	Original Purchase,												
116	Plant Account,												
117	Equipment,												
118	New Construction,												
119	Supply Inventory,												
120	Miscellaneous,												
	Total,												
32	Taxes,					1414 90	✓					1507 97	✓
c	Central Office (per cost)												
121	Fire Loss,												
122	Idle Expense,												
	Total Cost on Stock Pile,	33 60		104 79		1553 29		30 60		121 95		1660 52	✓
<b>LOADING AND SHIPPING.</b>													
180	Steam Shovel,												
181	By Hand,												
182	At Pocket,												
184	Shipping Expense,												
	Total,												
<b>Total Cost on Cars.</b>													
190	Depreciation Cost of Mine, per ton,												
191	Royalty Rate,												
192	Cleveland Office Expense,												
	Total Cost,												

A	Accounts not Sunk Off	12 Months 1912.	12 Months 1911.	Sinking Acct. No. 154			Rock Drifting Acct. No. 155			fting Acct. No. 155	
Ad. No.		Amount	Per Ton	Amount	Per Ton	Foot	Amount	Per Ft.	Foot	Amount	Per Ft.
10	Plant,	25017 86		31025 93							
	Exploratory,	17656 77									
	Total,	42674 63									

REMARKS: mine closed november 26th, 1907.  
166- Fencing open pits.

1/27/13.



# The Cleveland-Cliffs Iron Co.

MINING DEPARTMENT.

MINE.

Cost Sheet for the Month of

19

Sent

19

THE CLEVELAND-CLIFFS IRON CO.  
MINING DEPARTMENT.

COST OF PRODUCTION FOR THE MONTH OF YEAR. 1912 & 1911.

Acct. No.	SOUTH JACKSON, MINN.	Month of YEAR, 1912.		50166 Tons		Months		Months		52616 tons			
		1-10hr.		114						12 Months 1911			
		Average Daily Product		440						384			
		No. of Days Idle		174						175			
		LABOR		SUPPLIES		TOTAL		LABOR		SUPPLIES		TOTAL	
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton
<b>GENERAL EXPENSE.</b>													
26	Insurance,			184 50	003	184 50	003			242 70	005	242 70	005
27	Engineering,	820 43	017			820 43	017	186 88	004			186 88	004
28	Analysis,	359 50	007	117 98	002	477 48	009	220 80	004	86 21	002	307 01	006
29	Relief Fund,			99 30	002	99 30	002			75 30	000	75 30	000
30	Personal Injury Expense,												
a	Mine Office,	295 56	005	123 42	004	418 98	009	373 07	007	245 65	005	618 72	012
b	District Office,												
	Total,	1475 49	029	525 20	011	2000 69	040	780 75	015	649 86	012	1430 61	027
<b>MAINTENANCE.</b>													
125	Tracks and Yards,												
126	Docks, Trestles and Pockets,												
127	Buildings,			21 72	000	21 72	000						
128	Shop Machinery,												
129	Boiler Plant,												
130	Hoisting Machinery,												
131	Compressors and Power Drills,												
132	Pumping Machinery,	55 05	001	3 83	000	58 88	001						
133	Top Tram Engines and Cars,												
134	Skips and Skip Roads,												
135	Underground Tracks and Cars,	16 60	001	1 43	000	18 03	001						
136	Electric Tram Plant,									28 48	001	28 48	001
137	Telephones and Safety Devices,												
	Total,	71 65	002	26 98	000	98 63	002			28 48	001	28 48	001
<b>MINING EXPENSE.</b>													
150	Air Pipes,												
151	Compressors,												
152	Hoisting,												
153	Pumping,												
154	Sinking and Shaft Repairs,												
155	Rock Drifting,												
156	Breaking Ore,	1583 43	031	1120 90	023	2704 33	054	2050 74	039	1249 69	024	3300 43	063
157	Tramming,	9789 37	195	63 09	001	9852 46	196	10321 59	196	97 77	002	10419 36	198
158	Filling,												
159	Timbering,												
160	Captain and Bosses,	532 38	011			532 38	011	596 15	011			596 15	011
161	Dry House,									78	000	78	000
162	Total Mining Expense,	11905 18	237	1183 99	024	13089 17	261	12968 48	247	1348 24	025	14316 72	272
163	Stocking Ore,												
164	Sorting Ore,												
165	Crushing Ore,			6770 61	135	6770 61	135			9435 56	179	9435 56	179
165	stripping,	335 64	007			335 64	007						
	Total,	12240 82	244	7954 60	159	20195 42	403					23752 28	451
	Cost of Production, Per Cent,	13787 96	275	8506 78	170	22294 74	445	13749 23	262	11462 14	217	25211 37	479
<b>EXPLORATORY.</b>													
171	Exploring in Mines,												
172	Surface,												
	Total,												
<b>DEPRECIATION, Etc.</b>													
115	Original Purchase,												
116	Plant Account,					7524 90	150					7692 55	150
117	Equipment,												
118	New Construction,												
119	Supply Inventory,					12 43	000					3 44	000
120	Miscellaneous,					6 90	000					175 20	003
	Total,					7530 43	150					7720 79	147
32	Taxes,					1595 52	032					1726 11	033
c	Central Office (per cent)	625 24	012	334 95	007	960 19	019	501 92	009	243 84	005	745 76	014
121	Fire Loss,												
122	Idle Expense, --												
	Total Cost on Stock Pile,	14413 20	287	8841 73	177	32380 88	646						
<b>LOADING AND SHIPPING.</b>													
180	Steam Shovel,												
181	By Hand,	50166	52616										
182	At Pocket,												
184	Shipping Expense,			6 14	000	6 14	000						
	Total,			6 14	000	6 14	000						
E	Total Cost on Cars,	14413 20	287	8847 87	177	32387 02	646	14251 15	271	11705 98	222	35404 03	673
190	Depreciation Cost of Mine, per ton,						200						200
191	Royalty Rate, "						150						150
192	Cleveland Office Expense, "						996						996
	Total Cost,												1,023

A	Accounts not Sunk Off	12 Months 1912.		12 Months 1911.		Sinking Acct. No. 154			Rock Drifting Acct. No. 155			Sinking Acct. No. 155	
		Amount	Per Ton	Amount	Per Ton	Foot	Amount	Per Ft.	Foot	Amount	Per Ft.	Amount	Per Ft.
10	Plant, (crusher)	7713 09		15059 52									
	Total,												

REMARKS: Year 1911 started operating May 28th, stopped November 3rd.  
Year 1912 started operating May 10th. Stopped October 1st.

1/27/13.







THE CLEVELAND-CLIFFS IRON CO.

MINING DEPARTMENT.

Y E A R S. 1912 & 1911.

COST OF PRODUCTION FOR THE

Acct. No.	L A K E. MINR.	YEAR 1912.				392,560 Tons				Year 1911.				313665 Tons					
		No. Shifts and Days Operated 1-10;1-8;2-8;				299				1-10hr.				299					
		Average Daily Product				1313				1050				13					
		No. of Days Idle				15				13									
		LABOR		SUPPLIES		TOTAL		LABOR		SUPPLIES		TOTAL		LABOR		SUPPLIES		TOTAL	
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton
<b>GENERAL EXPENSE.</b>																			
26	Insurance,			205 00	000	205 00	000			257 76	001	257 76	001						
27	Engineering,	637 21	001	11 65	000	648 86	001	639 52	002	5 81	000	645 33	002						
28	Analysis,	2166 89	006	39 90	010	6157 63	016	1365 81	004	2149 81	007	3515 62	011						
29	Relief Fund,			545 70	002	545 70	002			971 70	003	971 70	003						
30	Personal Injury Expense,			581 23	002	581 23	002			3483 50	011	3483 50	011						
a	Mine Office,			1220 41	003	6173 40	016	3759 86	012	1214 28	004	4974 14	016						
b	District Office,																		
Total,		7757 09	020	6554 73	017	14311 82	037	5765 19	018	8062 86	026	13848 05	044						
<b>MAINTENANCE.</b>																			
125	Tracks and Yards,	1843 90	005	655 48	002	2499 38	007	1141 35	004	417 20	001	1558 55	005						
126	Docks, Trestles and Pockets,	362 71	001	301 48	001	664 19	002	3128 72	010	2926 44	009	6055 16	019						
127	Buildings,	360 45	001	104 23	000	464 68	001	162 44	000	403 73	002	566 17	002						
128	Shop Machinery,	10 86	000	54 07	000	64 93	000												
129	Boiler Plant,	699 60	002	1338 17	003	2037 77	005	245 01	001	154 05	000	399 06	001						
130	Hoisting Machinery,	350 36	001	526 40	001	876 76	002	241 76	001	2052 10	006	2293 86	007						
131	Compressors and Power Drills,	117 65	000	1432 40	004	1550 05	004	15 20	000	912 51	003	927 71	003						
132	Pumping Machinery,	344 68	001	171 22	000	515 90	001	163 70	000	213 09	001	376 79	001						
133	Top Tram Engines and Cars,	153 18	000	458 88	002	612 06	002	349 58	001	1417 22	005	1756 89	006						
134	Skips and Skip Roads,	489 99	001	409 34	001	899 33	002	370 10	001	359 85	001	729 95	002						
135	Underground Tracks and Cars,	443 21	001	852 46	002	1295 67	003	461 41	002	622 86	002	1084 27	004						
136	Electric Tram Plant,	3127 12	008	1150 36	003	4277 48	011	3503 65	011	2640 34	008	6148 99	019						
137	Telephones and Safety Devices,	678 75	002	116 22	000	794 97	002	1991 48	006	719 54	003	2711 02	009						
139	L.A. Drainage,							1135 18	004	4155 63	013	5290 81	017						
Total,		5982 46	023	7570 71	019	16553 17	042	12909 58	041	16994 56	054	29904 14	095						
<b>MINING EXPENSE.</b>																			
150	Air Pipes,	796 11	002	408 58	001	1204 69	003	823 89	003	321 88	001	1145 78	004						
151	Compressors,	2376 97	006	6846 89	018	9223 86	024	2095 30	007	4314 45	014	6409 75	021						
152	Hoisting,	3357 20	007	4596 68	014	7983 88	021	3847 79	012	4031 44	013	7879 23	028						
153	Pumping,	4127 95	010	8085 04	021	12212 99	031	4056 62	013	7537 64	024	11594 26	037						
154	Sinking and Shaft Repairs,	615 25	002	248 13	000	263 38	002	5860 59	019	1593 10	005	7453 69	024						
155	Rock Drifting,	12495 37	032	2866 28	007	15361 65	039	8346 30	027	1358 97	004	9705 27	031						
156	Breaking Ore,	116622 93	297	9925 20	025	126548 13	322	3108778 86	346	10253 67	033	118832 53	379						
157	Tramming,	13187 91	034	2136 56	005	15324 47	039	12634 87	040	3449 19	011	16984 05	051						
158	Filling,	737 11	002	60 64	000	797 75	002	517 27	002	60 90	000	578 19	002						
159	Timbering,	21283 94	054	23495 29	060	44759 23	114	21414 22	068	21638 30	069	43052 52	137						
160	Captain and Bosses,	6189 25	016			6189 25	016	6036 50	019			6036 50	019						
161	Dry House,	609 50	002	292 06	001	901 56	003	598 00	002	325 69	001	923 69	003						
162	Top Landing and Tramming,	2037 57	005	677 06	002	2714 63	007	2151 08	007	703 27	002	2854 35	009						
163	Stocking Ore,	3754 50	010	1819 83	004	5574 33	014	2881 32	009	1515 52	005	4396 84	014						
164	Sorting Ore,																		
167	L.A. Drainage, Pumping,	1768 77	005	1019 01	002	2787 78	007	2017 60	007	1366 63	004	3384 23	011						
170	Stocking Ore, presque isle,	2339 70	006	544 71	001	2878 41	007	2166 20	006	212 95	000	1953 25	006						
166	Cave In,	247 85	000			247 85	000	176 10	001			176 10	001						
Total,		192551 88	490	63021 96	161	255573 84	651	184402 51	588	58257 71	186	242660 22	774						
Cost of Production, Per Cent,		209291 43	533	77147 40	197	286438 83	730	203077 28	647	83335 13	266	286412 41	913						
		73%		23%		100%		71%		29%		100%							
<b>EXPLORATORY.</b>																			
171	Exploring in Mines,																		
172	Exploring on Surface,																		
Total,																			
<b>DEPRECIATION, Etc.</b>																			
115	Original Purchase,																		
116	Plant Account,																		
117	Equipment,																		
118	New Construction,																		
119	Supply Inventory,																		
120	Miscellaneous,																		
Total,																			
32	Taxes,																		
c	Central Office (per cent)	13866 19	035	5776 43	015	19642 62	050	10869 32	035	4487 05	014	15356 37	049						
121	Fire Loss,																		
122	Idle Expense,																		
Total Cost on Stock Pile,		223157 62	568	82923 83	212	341415 23	870	213946 60	682	87822 18	280	344506 49	1098						
<b>LOADING AND SHIPPING.</b>																			
180	Steam Shovel,	54 60	000	6626 00	028	6680 60	028					358 40	052						
181	By Hand,	113	000	142	000	16 00	142												
182	At Pocket,	1752 82	007	35 60	001	1788 42	008	992 09	006	103 94	001	1096 03	007						
	Presque isle 21227	593 01	008	483 04	043	1076 05	051												
184	Shipping Expense,	471 73	008	282 57	010	754 30	010	372 30	006	111 02	001	483 32	001						
Total,		2888 16	008	7427 21	018	10315 37	026	1364 69	004	573 36	002	1937 75	006						
Total Cost on Cars,		226045 78	576	90351 04	230	351730 60	896	215310 99	686	88395 54	282	348444 24	1104						
190	Depreciation Cost of Mine, per ton,																		
191	Royalty Rate,																		
192	Cleveland Office Expense,																		
Total Cost,																			

A	Accounts not Bunk Off	12 Months 1912	12 Months 1911	Sinking Acct. No. 154	Rock Drifting Acct. No. 155	Ring Acct. No. 155
Acct. No.		Amount	Per Ton	Amount	Per Ton	Amount

Analysis of Supplies.

Analysis of Labor.

Labor.

CLEVELAND-CLIFFS IRON CO.		12 MONTH 1912.		12 MONTHS 1911.		Labor as per Cost Sheet, (E)	226045.78		
PRODUCT.	392560 Tons	Per Ton	313865 Tons	Per Ton	Other Charges, Total,				
Class	Amount	Per Ton	Amount	Per Ton	As per Labor Statement, General Pay Roll, Total,	209592.38	16453.40	226045.78	
1 General Supplies,	3708 49	009	4145 06	013					
2 Iron and Steel,	1715 17	004	1252 01	004					
3 Oil, Grease and Candles	2915 29	008	2937 16	009					
4 Machinery Supplies,	3784 46	010	2586 74	008					
5 Building Material,	2970 61	007	5718 84	018					
6 Explosives,	10791 10	028	9959 56	032					
7 Mine Timber,	21905 72	056	20936 28	067					
8 Fuel,	19022 96	049	18127 33	058					
9 Electric Power	1840 93	004	755 42	003					
10 Sundries,	4129 58	010	12319 57	039					
11 Other Mines and Accounts,	560 47	001	2894 68	009					
Total Supplies,	72223 84	184	75843 29	242					
Direct Charges,	18127 20	046	12552 25	040					
(E) Total as per Cost Sheet,	90351 04	230	88395 54	282					
DETAIL OF DIRECT CHARGES.						COMPARATIVE COST ON CARS. (E)			
26 Insurance,	205 00	001	257 76	001	12 Months 19 09	376542	918	ON CARS. (E)	
28 Analysis,	3922 90	010	2134 77	007	13 Months 19 09	423958	956	DUCT.	COST.
29 Relief Fund	545 70	001	971 70	003	12 Months 19 10	574302	870		
30 Personal Injury Expense,	581 23	001	3483 50	011	12 Months 19 11	313865	1 104		
a Mine Office,	500 20	001	503 35	002	12 Months 19 12	335830	1 048		
b District Office,					DIVISION OF PRODUCT—By Grades.				
151 Operating Compressors.					1912.	1911.		MONTH.	YEAR.
171- Exploratory,									
c Central Office,	5776 43	005	4487 05	014	Lake,	392560	313865		
180- Loading and Shipping,	6555 38	017	358 40	001	Total,				
137- telephones & safety Dev.,	40 36	000	254 42	001					
buildings,			181 30	000					
sale of scrap,			80 00	000					
Total,	18127 20	046	12552 25	040					



THE CLEVELAND-CLIFFS IRON CO.  
MINING DEPARTMENT.

COST OF PRODUCTION FOR THE MONTH OF **Y E A R S** 1 9 1 2 & 1 9 1 1.

Acct. No.	L L O Y D. MINE	YEAR 1912.						YEAR 1911.						71940 tons	
		139635 Tons						298						2-10hr. 224	
		No. Shifts and Days Operated 2-10-56 2-8-242						469						291	
		Average Daily Product						16						11	
		LABOR		SUPPLIES		TOTAL		LABOR		SUPPLIES		TOTAL			
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton		
<b>GENERAL EXPENSE.</b>															
26	Insurance,			42 66	✓ 000	42 66	✓ 000			24 96	000	24 96	000		
27	Engineering,	677 14	005	2 72	000	679 86	005	610 49	009	1 33	000	611 82	009		
28	Analysis,	1840 40	013	1143 34	008	2983 74	021	102 10	002	1015 68	015	1117 73	017		
29	Relief Fund,			282 30	002	282 30	002			322 35	005	322 35	005		
30	Personal Injury Expense,									13 50	000	13 50	000		
a	Mine Office,	9 76	000	15 00	000	24 76	✓ 000			163 94	002	163 94	002		
b	District Office,	5571 62	040	768 89	006	6340 51	046	2429 97	037	152 29	004	2582 26	041		
	Total,	8098 92	058	2254 91	016	10353 83	074	3142 56	048	1694 05	026	4836 61	074		
<b>MAINTENANCE.</b>															
125	Tracks and Yards,	363 69	003	19 35	000	383 04	003	373 56	005	46 14	001	419 70	006		
126	Docks, Trestles and Pockets,	16 60	000	31 76	000	48 36	000	46 90	001	17 52	000	64 42	001		
127	Buildings,	61 54	000	23 86	000	85 34	000	26 06	001	23 71		49 77	001		
128	Shop Machinery,														
129	Boiler Plant,														
130	Hoisting Machinery,	162 21	001	656 43	005	818 64	006	157 38	002	243 09	004	400 47	006		
131	Compressors and Power Drills,	35 73	000	548 99	004	584 72	004	71 05	001	1755 24	027	1826 29	028		
132	Pumping Machinery,	282 76	002	867 72	006	1150 48	008	506 16	007	720 56	012	1226 72	019		
133	Top Tram Engines and Cars,	326 68	002	615 09	005	941 77	007	90 56	002	74 89	001	165 45	003		
134	Skips and Skip Roads,	132 13	001	89 37	001	221 50	002	93 51	002	23 83	000	117 34	002		
135	Underground Tracks and Cars,	1334 34	010	670 93	005	2005 27	015	837 66	013	1095 63	017	1933 29	030		
136	Electric Tram Plant,														
137	Telephones and Safety Devices,	70 10	001	36 01	000	106 11	✓ 001	22 91	000	135 23	002	158 14	002		
	Total,	2785 78	020	3559 45	026	6345 23	046	2225 75	034	4135 84	064	6361 59	098		
<b>MINING EXPENSE.</b>															
150	Air Pipes,	535 45	004	491 28	003	1026 73	007	589 07	009	721 33	011	1310 40	020		
151	Compressors,	703 79	005	4566 57	033	5270 36	038	431 20	006	4459 09	068	4890 29	074		
152	Hoisting,	2810 34	020	1922 35	014	4732 69	034	2219 28	034	2095 44	032	4314 72	066		
153	Pumping,	2436 77	017	1541 89	012	3978 66	029	1509 59	023	2748 10	042	4257 69	065		
154	Sinking and Shaft Repairs,	118 88	001	57 42	000	176 30	001	87 69	002	30 23	000	117 92	002		
155	Rock Drifting,	223 69	001	111 22	001	334 91	002	2840 29	043	1148 06	018	3988 35	061		
156	Breaking Ore,	49739 55	355	18049 72	129	67789 27	485	31650.75	487	11048 49	168	42699 24	655		
157	Tramming,	19202 27	138	681 71	004	19883 98	142	12356 78	189	425 11	007	12781 89	196		
158	Filling,	181 70	002	54 88	000	236 58	002	59 00	001			59 00	001		
159	Timbering,	14397 01	103	9090 98	065	23487 99	168	8002 33	122	7181 98	111	15184 31	233		
160	Captain and Bosses,	5970 21	043	8 90	000	5979 11	043	3025 66	047			3025 66	047		
161	Dry House,	868 10	006	607 48	005	1475 58	011	665 11	010	179 18	003	844 29	013		
162	Top Landing and Tramming,	3521 89	025	482 09	004	4003 98	029	2865 12	044	331 88	006	3197 00	050		
163	Stocking Ore,	358 77	003	83 63	000	442 40	003	189 92	003	109 83	002	299 75	005		
164	Sorting Ore,	189 95	002	4 69	000	194 64	002	107 11	002	3 12	000	110 23	002		
166	Cave In,	769 38	005	86 84	001	856 22	006	735 39	011	126 75	002	862 14	013		
	Total,	102027 75	731	37841 65	271	139869 40	1.002	67334 29	1.033	30608 59	470	97942 88	1.503		
	Cost of Production, Per Cent,	112912 45	809	43656 01	313	156568 46	1.122	72702 60	1.116	36438 48	559	109141 08	1.678		
		72%		28%		100%		67%		33%		100%			
<b>EXPLORATORY.</b>															
171	Ore Produced in Development Work,											12037 73	1.776		
172	Total Cost of Production,											121178 81	1.685		
<b>DEPRECIATION, Etc.</b>															
115	Original Purchase,					339 85	002					345 81	250		
116	Plant Account,					34908 75	250					17985 00	250		
117	Equipment,					28 89	000					41 18	000		
118	New Construction,					26 47	000					37 42	000		
119	Supply Inventory,														
120	Miscellaneous,														
	Total,					35193 24	252					18334 57	255		
32	Taxes,					8752 26	062					6914 27	096		
c	Central Office (per cent)	5906 21	042	3886 85	021	8793 06	✓ 063	2626 50	040	1274 26	020	3900 76	054		
191	Fire Loss,														
192	Idle Expense,														
	Total Cost on Stock Pile,	118818 66	851	47542 86	334	209307 02	1.499	75329 10	1.156	37712 74	579	150328 41	2.090		
<b>LOADING AND SHIPPING.</b>															
180	Steam Shovel,	13789 5521	✓ 003	590 51	042	626 17	045	2 93	000	222 33	045	225 26	045		
181	By Hand,														
182	At Pocket,	30435 22481	✓ 006	39 12	001	815 21	027	136 76	006	7 71	000	144 49	006		
184	Shipping Expense,			20 17		20 17				12 60		12 60			
	Total,	811 75	006	649 80	004	1461 55	010	139 71	002	242 64	003	382 35	005		
E	Total Cost on Cars,	119630 41	857	47192 66	338	210768 57	1.509	75468 81	1.158	37955 38	582	150710 76	2.095		
190	Depreciation Cost of Mine, per ton,														
191	Royalty Rate,														
192	Cleveland Office Expense,					150						150			
	Total Cost,					1.659						2.245			

A	Accounts not Sunk Off	12 Months 12	12 Months 11.	Sinking Acct. No. 154			Rock Drifting Acct. No. 155			Ting Acct. No. 155	
10	Construction, Exploratory,	696847 11	571502 33	Post	Amount	Per Ft.	Post	Amount	Per Ft.	Amount	Per Ft.
		97365 90	97029 25								
	Total,	794213 01	668531 58								
				Current Mo.	12 Mos. 12.	12 Mos. 11.					
				shaft repairs.	Do		53	334 91	6.32		
							759	3988 35	5.27		

REMARKS:

Started operating basis April 1st, 1911; 2-10hr. shift.  
Changed to 2-8hr. shift March 11th, 1912.

1911- Cost per ton, to point of Cost of Production, figured on 65162 tons.  
Total cost of Production and accounts following, in total column on 71940 tons.

CHB: B.  
3/20/13.

Analysis of Supplies.

Analysis of Labor.

labor.

CLEVELAND-CRIFFS IRON CO. PRODUCT.		12 MONTHS 12 .			12 MONTHS 11. . .			Labor as per Cost Sheet, (E) Other Charges, <b>Laboratory</b> Total,		119630.41			
		139635 Tons		71940 Tons		121.28				119751.69			
Class	Amount	Per Ton	Amount	Per Ton	Amount	Per Ton	As per Labor Statement, General Pay Roll, Total,		107597.27		12154.42		
1 General Supplies,	1538	81	011	1284	40	020							
2 Iron and Steel,	1813	68	013	1712	88	026							
3 Oil, Grease and Candles	1503	22	011	987	70	015							
4 Machinery Supplies,	3634	89	026	3672	03	056							
5 Building Material,	1582	83	011	806	03	012							
6 Explosives,	15424	54	110	10108	19	155							
7 Mine Timber,	6595	51	047	5904	58	091							
8 Fuel,	30	44	000										
9 Electric Power	6836	67	050	54	66	001							
10 Sundries,	1564	67	011	9467	16	145							
11 Other Mines and Accounts,	1750	28	013	737	39	012							
Total Supplies,	42275	54	303	34735	02	533							
Direct Charges,	4917	12	035	3220	36	049							
(E) Total as per Cost Sheet,	47192	66	338	37955	38	582							
DETAIL OF DIRECT CHARGES.							COMPARATIVE COST ON CARS. (E)					N CARS. (E)	
Acct. No.							PRODUCT.	COST.	CT.	COST.			
26 Insurance,	42	66	000	24	96	001	12 Months 19 11	71940	2	095			
28 Analysis,	319	87	002	937	46	014	12 Months 19 12	139635	1	509			
29 Relief Fund,	282	30	002	322	35	004	Months 19						
30 Personal Injury Expense,				13	50	000	Months 19						
a Mine Office,	15	00	000	34	78	001	Months 19						
b District Office,	768	89	006	281	45	004	Months 19						
151 Operating Compressors.													
171- Exploratory,													
c Central Office,	2886	85	021	1274	26	020							
180- Loading and Shipping,	578	94	004	197	43	003							
137 Telephones & Safety Dev.,	22	61	000	134	17	002							
Total,	4917	12	035	3220	36	049							
DIVISION OF PRODUCT—By Grades.							—By Grades.						
							Year 1912	1911	YEAR.	CH.	YEAR.		
							Lloyd Bessemer,	27368	21070				
							Lloyd Bessemer #2,	4616	1746				
							Lloyd,	14410	6884				
							Lloyd Silica,	93241	42240				
							Total,	139635	71940				

# The Cleveland-Cliffs Iron Co.

MINING DEPARTMENT.

MINE.

Cost Sheet for the Month of

19

Sent

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Ans

THE CLEVELAND-CLIFFS IRON CO.

MINING DEPARTMENT.

COST OF PRODUCTION FOR THE MONTH OF YEAR 1912 & 1911.

FORM G, 1909, 7-12, M. A.

9  
Sept

Acct. No.	LUCY. MINR.	YEAR 1912.		1911 Tons		Months		12 Months 11.			
		No. Shifts and Days Operated		none		2-10hr.		147			
		Average Daily Product		201		201		165			
No. of Days Idle		314									
LABOR		SUPPLIES		TOTAL		Amount		Tons			
Amount		Cost Per Ton		Amount		Cost Per Ton		Amount		Cost Per Ton	
<b>GENERAL EXPENSE.</b>											
26	Insurance,		56 39		56 39				48 79		001
27	Engineering,	79 62			79 62				268 95		009
28	Analysis,	182 00	124 92		306 92				601 64		021
29	Relief Fund,		2 10		2 10				171 60		006
30	Personal Injury Expense,								500 00		017
a	Mine Office,	786 90	17 99		804 89				566 45		019
b	District Office,										
	Total,	1048 52	201 40		1249 92				2157 43		073
<b>MAINTENANCE.</b>											
125	Tracks and Yards,								129 41		004
126	Docks, Trestles and Pockets,								1219 02		041
127	Buildings,		4 00		4 00				43 75		002
128	Shop Machinery,										
129	Boiler Plant,		80		80				122 95		004
130	Hoisting Machinery,								118 45		004
131	Compressors and Power Drills,								454 94		016
132	Pumping Machinery,								229 48		008
133	Top Tram Engines and Cars,								189 12		006
134	Skips and Skip Roads,								302 76		010
135	Underground Tracks and Cars,		6 18		6 18				391 27		013
136	Electric Tram Plant,										
137	Telephones and Safety Devices,								81 61		003
	Total,		1 38		1 38				3282 76		111
<b>MINING EXPENSE.</b>											
150	Air Pipes,								403 17		014
151	Compressors,		372 91		372 91				2402 57		082
152	Hoisting,		174 80		174 80				1475 22		050
153	Pumping,		501 10		501 10				3620 46		123
154	Sinking and Shaft Repairs,								1516 49		051
155	Rock Drifting,								1700 82		057
156	Breaking Ore,								11756 57		398
157	Tramming,								8513 74		288
158	Filling,										
159	Timbering,								1462 17		049
160	Captain and Bosses,	32 26			32 26				1099 12		037
161	Dry House,		34 96		34 96				348 72		012
162	Top Landing and Tramming,		81 57		81 57				1765 73		059
163	Stocking Ore,	39 90			39 90				619 82		021
164	Sorting Ore,								668 69		023
	Total,	72 16	1165 34		1093 18				37343 29		1,264
	Cost of Production, Per Cent,	1120 68	965 32		155 36				42783 48		1,448
<b>EXPLORATORY.</b>											
171	Exploring in Mines,								1219 78		041
172	Surface,										
	Total,										
<b>DEPRECIATION, Etc.</b>											
115	Original Purchase,										
116	Plant Account,	3520 40	371 95	077	329 75	250	025		7388 00		250
117	Equipment,	29 38	170 27	004							
118	New Construction,		728 05	002							
119	Supply Inventory,				234 14				25 92		000
120	Miscellaneous,								2547 85		087
	Total,				563 89				9948 93		337
32	Taxes,				1071 80				139 27		005
c	Central Office (per cent)	72 45	34 38		106 83				1861 27		063
121	Fire Loss,										
122	Idle Expense,								2600 57		087
	Total Cost on Stock Pile,	1193 13	930 94		1897 88				55952 73		1,894
<b>LOADING AND SHIPPING.</b>											
180	Steam Shovel,	72823	2370 86	033	2370 86	033			397 96		084
181	By Hand,	296	1 56	000	44 06	149			1087 91		152
182	At Pocket,								120 21		025
184	Shipping Expense,		15 73		15 73				2095 89		168
	Total,	42 50	2388 15		2430 65				3796 67		128
E	Total Cost on Cars,	1235 63	1457 21		4328 53				59749 40		2,022
190	Depreciation Cost of Mine, per ton,										
191	Royalty Rate,										
192	Cleveland Office Expense,										150
	Total Cost,										2,172

Let. No.	Accounts not Sunk Off	Months		Months		Sinking Acct. No. 154		Rock Drifting Acct. No. 155	
		Amount	Per Ton	Amount	Per Ton	Amount	Per Ft.	Amount	Per Ft.
	none								
	Total,								

REMARKS: Mine closed June 30th, 1911.

LUCY.

MINE.

Month of YEARS 1912 & 1911.

Analysis of Supplies.

Analysis of Labor.

CLEVELAND-CLIFFS IRON CO.		12 MONTH 1911.		12 MONTHS 11.		Labor as per Cost Sheet, (E)		1235.63	
PRODUCT.		1319		29547		Other Charges,			
Class	Amount	Per Ton	Amount	Per Ton	Total,				
1 General Supplies,	16		710 82	024					
2 Iron and Steel,	16 18		100 69	004					
3 Oil, Grease and Candles			692 90	024					
4 Machinery Supplies,			673 57	023	As per Labor Statement, Miel.		1083.66		
5 Building Material,			839 40	028	General Pay Roll,		151.97		
6 Explosives,			3582 89	121	Total,		1235.63		
7 Mine Timber,			493 85	017					
8 Fuel,	1165 34		4878 55	164					
9 Electric Power									
10 Sundries,	183 69		2583 04	088					
11 Other Mines and Accounts,			18 000						
Total Supplies,	987 67		14555 53	393					
Direct Charges,	2444 88		4089 01	138					
(E) Total as per Cost Sheet,	1457 21		18644 54	631					
DETAIL OF DIRECT CHARGES.						COMPARATIVE COST ON CARS. (E)			
						PRODUCT.	COST.		
						11 Months 19 10	71762	1 592	
						12 Months 19 11	29547	2 022	
						12 Months 19 12	1319	-	
						12 Months 19			
						12 Months 19			
						DIVISION OF PRODUCT—By Grades.			
						12 MONTH 1912	12 Mo. 1911.		
26 Insurance,	56 39		92 52	003	Lucy		28885		
28 Analysis,	86 67		298 07	010	Manganese,		662		
29 Relief Fund.	2 10	12	186 30	006	EST. STOCKPILE OVERRUN,		1319		
30 Personal Injury Expense,			500 00	017	Total,		29547		
a Mine Office,	14 64		96 98	003					
b District Office,									
151 Operating Compressors.									
171- Exploratory,			159 02	005					
c Central Office,	34 38		710 51	024					
180- Loading and Shipping,	2250 70		317 62	011					
Maintenance			08 000						
Crushing Ore,			1680 19	057					
Maintenance, Safet Dec.,			47 72	002					
Total,	2444 88		4089 01	138					



# The Cleveland-Cliffs Iron Co.

MINING DEPARTMENT.

MINE.

Cost Sheet for the Month of

19

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THE CLEVELAND-CLIFFS IRON CO.

MINING DEPARTMENT.

COST OF PRODUCTION FOR THE MONTH OF YEAR 1912 & 1911.

FORM 5, 1909, 7-12, W-1

Acct. No.	M A A S. MINE	YEAR 1912.						Year 1911.						5977 Tons	
		60058 Tons													
		No. Shifts and Days Operated 2-8hr. 116													
Average Daily Product 518															
No. of Days Idle 198												312			
		LABOR		SUPPLIES		TOTAL		LABOR		SUPPLIES		TOTAL			
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton		
<b>GENERAL EXPENSE.</b>															
26	Insurance,			128 67	002	128 67	002			119 08		119 08			
27	Engineering,	852 16	014	634 67	011	852 16	014	669 04		669 04		669 04			
28	Analysis,	364 72	006	75 18	001	999 39	017	72 65		50 41		123 06			
29	Relief Fund,			5 15	000	75 18	001			161 88		161 88			
30	Personal Injury Expense,			5 15	000	5 15	000			2091 66		2091 66			
a	Mine Office,	4744 13	079	524 80	009	5268 93	088	4279 74		795 36		5075 10			
b	District Office,														
	<b>Total,</b>	<b>5961 01</b>	<b>099</b>	<b>1358 17</b>	<b>023</b>	<b>7319 15</b>	<b>122</b>	<b>5021 43</b>		<b>3218 39</b>		<b>8239 82</b>			
<b>MAINTENANCE.</b>															
125	Tracks and Yards,	701 99	012	77 58	001	779 57	013	630 37		60 53		690 90			
126	Docks, Trestles and Pockets,	43 90	000	99 00	000	44 89	000	411 36		694 95		283 59			
127	Buildings,	149 65	003	27 48	000	177 13	003	499 89		555 40		1055 29			
128	Shop Machinery,	5 74	000	4 93	000	10 67	000			3 88		3 88			
129	Boiler Plant,	283 89	005	216 32	003	500 21	008	646 28		759 49		1405 77			
130	Hoisting Machinery,	125 50	002	544 15	009	669 65	011	114 93		46 59		161 52			
131	Compressors and Power Drills,	10 50	000	1830 55	031	1841 05	031			1015 57		1015 57			
132	Pumping Machinery,	376 62	006	241 05	004	617 67	010	151 38				151 38			
133	Top Tram Engines and Cars,	93 02	002	194 67	003	287 69	005								
134	Skips and Skip Roads,	510 76	009	309 94	005	820 70	014								
135	Underground Tracks and Cars,	182 68	003	397 17	007	579 85	010								
136	Electric Tram Plant,	646 27	010	363 89	007	1010 16	017			144 31		144 31			
137	Telephones and Safety Devices,	594 21	010	350 71	006	944 92	016	120 40		119 72		240 12			
	<b>Fighting Fires,</b>	12 00	000			12 00	000	214 62				214 62			
	<b>Total,</b>	<b>3736 73</b>	<b>062</b>	<b>4559 43</b>	<b>076</b>	<b>8296 16</b>	<b>138</b>	<b>2789 23</b>		<b>20 60</b>		<b>2768 63</b>			
<b>MINING EXPENSE.</b>															
150	Air Pipes,	746 02	013	682 90	011	1428 92	024	10 08		134 32		144 40			
151	Compressors,			2181 02	036	2151 02	036			2833 51		2833 51			
152	Hoisting,	1869 29	031	2751 64	046	4620 93	077			251 52		251 52			
153	Pumping,	2055 65	034	4584 61	065	6640 26	109	4098 94		7341 12		13440 06			
154	Sinking and Shaft Repairs,	120 14	002			120 14	002								
155	Rock Drifting,	139 56	002	138 27	003	277 83	005	633 37		380 46		1013 83			
156	Breaking Ore,	24319 25	405	5289 53	088	29608 78	493	607 97		283 21		891 18			
157	Tramming,	6054 43	101	755 23	012	6809 66	113								
158	Filling,														
159	Timbering,	8245 79	137	4457 14	085	12702 93	212	1462 81		106 83		1569 64			
160	Captain and Bosses,	1348 56	023			1348 56	023	2100 00				2200 00			
161	Dry House,	432 45	007	173 56	003	606 01	010			34 06		34 06			
162	Top Landing and Tramming,	1048 57	018	276 67	004	1325 24	022			31 44		31 44			
163	Stocking Ore,	829 17	014	516 76	009	1345 93	023	184 01				184 01			
164	Sorting Ore,	47 85	001			47 85	001								
	<b>Total,</b>	<b>47256 73</b>	<b>788</b>	<b>21777 33</b>	<b>362</b>	<b>69034 06</b>	<b>1.150</b>	<b>9097 18</b>		<b>10762 43</b>		<b>19859 61</b>			
	Cost of Production, Per Cent,	56954 47	949	27694 93	461	84649 40	1.410	16907 84		13960 22		30888 06			
		67%		33%		100%		54%		46%		100%			
<b>EXPLORATORY.</b>															
171	Exploring in Mines,														
172	Surface,									238 89		238 89			
	<b>Total,</b>														
<b>DEPRECIATION, Etc.</b>															
115	Original Purchase,					12011 60	200					1195 40	200		
116	Plant Account,					15014 50	250					1494 25	250		
117	Equipment,					997 28	017								
118	New Construction,					108778 80	1.811								
119	Supply Inventory,					81 78	011					14			
120	Miscellaneous, Unclaimed wages					2 60	000					196 45			
	<b>Total,</b>					136881 36	2.279					2493 06			
32	Taxes,					60590 96	1.009					58390 70			
c	Central Office (per cent)	2171 90	036	1218 43	020	3390 33	058	800 79		375 51		1186 30			
121	Fire Loss,														
122	Idle Expense,														
	<b>Total Cost on Stock Pile,</b>	<b>59126 37</b>	<b>985</b>	<b>28913 35</b>	<b>481</b>	<b>285512 05</b>	<b>4.754</b>	<b>17708 63</b>		<b>14578 62</b>		<b>93171 01</b>			
<b>LOADING AND SHIPPING.</b>															
180	Steam Shovel,	8965	24926			157 65	018	157 65	018	212 12		949 37	1161 49		
181	By Hand,														
182	At Pocket,	37283		508 31	014	1 20	000	509 51	014						
184	Shipping Expense,									18 70		18 70			
	<b>Total,</b>			<b>508 31</b>	<b>008</b>	<b>158 85</b>	<b>003</b>	<b>667 16</b>	<b>011</b>	<b>212 12</b>		<b>968 07</b>	<b>1180 19</b>		
E	<b>Total Cost on Cars,</b>	<b>59634 68</b>	<b>993</b>	<b>29072 21</b>	<b>484</b>	<b>286179 21</b>	<b>4.765</b>	<b>17920 75</b>		<b>15546 69</b>		<b>94381 20</b>			
190	Depreciation Cost of Mine, per ton,														
191	Royalty Rate,									100					
192	Cleveland Office Expense,									150					
	<b>Total Cost,</b>									<b>5.015</b>					

Acct. No.	Accounts not Sunk Off	12 Months 12.		12 Months 11.		Sinking Acct. No. 154			Rock Drifting Acct. No. 155			Ring Acct. No. 155	
		Amount	Per Ton	Amount	Per Ton	Post	Amount	Per Ft.	Post	Amount	Per Ft.	Amount	Per Ft.
4	Plant,	505385	83	526376	51								
10	Construction,	12671	65	108778	75					25	277 83	11.11	
	244-247 Total,	519027	48	635155	26					614	1013 83	1.65	

REMARKS: Mine closed December 3rd, 1911 to repair shaft.  
Resumed operations August 12th, 1912.

CTB.B.  
3/27/13.

Analysis of Supplies.

Analysis of Labor.

abor.

CLEVELAND-CLIFFS IRON CO.		12 MONTH 12.		12 MONTHS 1911.		Labor as per Cost Sheet, (E)	59634.68		
PRODUCT.		60058 Tons		5977 Tons					
Class		Amount	Per Ton	Amount	Per Ton				
1	General Supplies,	2637	40	044					
2	Iron and Steel,	504	81	008					
3	Oil, Grease and Candles	946	61	016	466	62			
4	Machinery Supplies,	3945	91	066	561	70			
5	Building Material,	967	73	016	525	74			
6	Explosives,	3666	15	061	523	77			
7	Mine Timber,	3752	13	062					
8	Fuel,	19398	73	323	3189	34			
9	Electric Power	802	49	013	180	25			
10	Sundries,	9759	71	161	8241	89			
11	Other Mines and Accounts,	19694	04	328	34229	53			
	Total Supplies,	26687	63	444	7063	30			
	Direct Charges,	2384	58	040	7724	73			
	Adjustment,				758	66			
(E)	Total as per Cost Sheet,	29072	21	484	15546	69			
DETAIL OF DIRECT CHARGES.									
26	Insurance,	128	67	002	119	08			
28	Analysis,	623	23	016	38	81			
29	Relief Fund	75	28	001	161	88			
30	Personal Injury Expense,	5	15	000	2091	66			
a	Mine Office,	176	57	003	254	26			
b	District Office,								
151	Operating Compressors.				3816	01			
171	Exploratory,				11	25			
c	Central Office,	1218	43	021	379	51			
180	Loading and Shipping,	157	65	003	821	66			
153-	Pumping Land RENT,	10	00	000	10	00			
	Safety Devices,				20	61			
	Total,	2384	58	040	7724	73			
						COMPARATIVE COST ON CARS. (E)		ON CARS. (E)	
						PRODUCT.	COST.	CT.	COST.
						12 Months 19 09	135835	1	979
						13 Months 19 09	155577	1	933
						12 Months 19 10	203257	1	635
						12 Months 19 11	* 5977	-	
						12 Months 19 12	60058	4	765
						DIVISION OF PRODUCT—By Grades.		By Grades.	
						1912	1911	CH.	YEAR.
						Maas,	58857	none	
						Maas Bessener,	1201	5977	
						Total,	60058	5977	

# The Cleveland-Cliffs Iron Co.

MINING DEPARTMENT.

MINE.

Cost Sheet for the Month of

19

Sent

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THE CLEVELAND-CLIFFS IRON CO.

MINING DEPARTMENT.

COST OF PRODUCTION FOR THE YEARS 1912 & 1911.

FORM 9, 1912 7-12, W. J.

Acct. No.	MORO. MINR.	YEAR 1912.						YEAR 1911.					
		18960 Tons		75		79781 tons		2-10hr. 297		269		15	
		No. Shifts and Days Operated 2-10:57 2-8:15		Average Daily Product 253		No. of Days Idle 239		Labor		Supplies		Total	
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton
<b>GENERAL EXPENSE.</b>													
26	Insurance,			66 25	003	66 25	003			214 75	003	214 75	003
27	Engineering,	44 89	002			44 89	002	206 30	003			206 30	003
28	Analysis,	5 90	001	103 77	005	108 77	006			346 24	004	346 24	004
29	Relief Fund,			147 30	008	147 30	008			537 30	007	537 30	007
30	Personal Injury Expense,			7 20	000	7 20	000						
a	Mine Office,	1271 05	067	166 92	009	1437 97	076	4031 65	050	628 91	008	4660 56	058
b	District Office,												
	<b>Total,</b>	<b>1320 94</b>	<b>070</b>	<b>491 44</b>	<b>025</b>	<b>1612 38</b>	<b>095</b>	<b>4237 95</b>	<b>053</b>	<b>1727 20</b>	<b>022</b>	<b>5965 15</b>	<b>075</b>
<b>MAINTENANCE.</b>													
125	Tracks and Yards,			106 68	005	44 78	002	133 39	002	122 13	001	255 52	003
126	Docks, Trestles and Pockets,	61 90	003	376 93	019	382 93	020	486 07	006	1101 25	014	1587 32	020
127	Buildings,												
128	Shop Machinery,												
129	Boiler Plant,	70 51	004	33 27	002	103 78	006	23 00	000	212 51	003	235 51	003
130	Hoisting Machinery,			5 21	000	5 21	000	62 76	001	519 58	006	582 34	007
131	Compressors and Power Drills,												
132	Pumping Machinery,	147 70	008	49 34	003	98 36	005	847 45	010	1647 03	021	2494 48	031
133	Top Tram Engines and Cars,							12 09	000	192 09	003	204 18	003
134	Skips and Skip Roads,	24 97	001	32 93	002	57 90	003	307 44	005	462 75	005	770 19	010
135	Underground Tracks and Cars,	97 22	005	292 78	015	195 56	010	456 02	005	189 53	003	645 55	008
136	Electric Tram Plant,												
137	Telephones and Safety Devices,	5 75	000			5 75	000	36 43	001	98 82	001	135 25	002
	<b>Total,</b>	<b>414 05</b>	<b>022</b>	<b>46 000</b>		<b>413 59</b>	<b>022</b>	<b>2364 65</b>	<b>030</b>	<b>4545 69</b>	<b>057</b>	<b>6910 34</b>	<b>087</b>
<b>MINING EXPENSE.</b>													
150	Air Pipes,	73 22	004	57 50	003	15 72	001	132 14	002	210 25	002	342 39	004
151	Compressors,			677 17	036	677 17	036			3101 83	039	3101 83	039
152	Hoisting,	937 05	049	984 77	052	1921 82	101	3794 25	048	3792 91	047	7587 16	095
153	Pumping,	514 31	027	379 03	020	893 34	047	3814 28	048	6783 79	085	10598 07	138
154	Sinking and Shaft Repairs,												
155	Rock Drifting,	113 30	006	70 34	004	183 64	010	261 76	003	106 31	001	368 07	004
156	Breaking Ore,	5139 06	271	1560 88	083	6710 94	354	27948 57	350	12336 77	155	40285 34	505
157	Tramming,	5940 62	313	133 12	007	6073 74	320	24509 95	307	647 11	008	25157 06	315
158	Filling,							383 79	005	2 38	000	386 17	005
159	Timbering,							558 19	007	371 54	005	929 73	012
160	Captain and Bosses,	892 12	047			892 12	047	3416 66	043			3416 66	043
161	Dry House,	193 45	010	66 47	004	259 95	014	784 88	010	569 92	007	1354 80	017
162	Top Landing and Tramming,	643 49	034	34 06	002	677 55	036	2575 07	032	406 89	005	2981 96	037
163	Stocking Ore,	378 15	020	9 35	000	387 50	020	1458 56	018	270 92	004	1729 48	022
164	Sorting Ore,	828 10	044	22 09	001	850 19	045	2738 98	034	58 75	001	2797 73	035
	<b>Total,</b>	<b>15643 90</b>	<b>825</b>	<b>3899 78</b>	<b>206</b>	<b>19543 68</b>	<b>1.031</b>	<b>72377 08</b>	<b>907</b>	<b>28659 37</b>	<b>359</b>	<b>101036 45</b>	<b>1.266</b>
	Cost of Production, Per Cent,	17378 89	917	4390 76	231	21769 65	1.148	78979 69%	68	34932 26	438	113911 94	1.428
	EXPLORATORY.												
171	Exploring in Mines,												
172	Surface,												
	<b>Total,</b>												
<b>DEPRECIATION, Etc.</b>													
115	Original Purchase,	774 43	004										
116	Plant Account,	570 46	077										
117	Equipment,	207 50	037			34 96	002					406 18	005
118	New Construction,												
119	Supply Inventory,					28 46	002					53 02	001
120	Miscellaneous,	425 59	022	57 15	003	471 82	025					25 33	000
	<b>Total,</b>					<b>478 32</b>	<b>025</b>					<b>327 83</b>	<b>004</b>
32	Taxes,					2918 82	154					5185 77	065
c	Central Office (per cent)	1575 23	083	581 29	031	2156 52	114	4064 93	051	1695 24	021	5760 17	072
121	Fire Loss,												
122	Idle Expense,												
	<b>Total Cost on Stock Pile, LOADING AND SHIPPING.</b>	<b>19379 71</b>	<b>1.022</b>	<b>5029 20</b>	<b>265</b>	<b>27323 31</b>	<b>1.441</b>	<b>83044 61</b>	<b>1.041</b>	<b>36627 50</b>	<b>459</b>	<b>125185 71</b>	<b>1.569</b>
180	Steam Shovel, 7861	70 35	004	254 99	013	235 34	041					67 72	
181	By Hand,												
182	At Pocket,												
	<b>Crushing Ore, 7862</b>			<b>1285 23</b>	<b>163</b>	<b>1285 23</b>	<b>163</b>						
184	Shipping Expense,	70 35	004	1540 22	081	1610 57	085					67 72	001
	<b>Total,</b>	<b>19450 06</b>	<b>1.026</b>	<b>6569 42</b>	<b>346</b>	<b>28933 88</b>	<b>1.526</b>	<b>83044 61</b>	<b>1.041</b>	<b>36695 22</b>	<b>460</b>	<b>125253 43</b>	<b>1.570</b>
190	Depreciation Cost of Mine, per ton,						200						200
191	Royalty Rate,												
192	Cleveland Office Expense,												150
	<b>Total Cost,</b>						<b>1.876</b>						<b>1.920</b>

Acct. No.	Accounts not Sunk Off	Months		Months		Sinking Acct. No. 154		Rock Drifting Acct. No. 155		ting Acct. No. 155	
		Amount	Per Ton	Amount	Per Ton	Amount	Per Fl.	Amount	Per Fl.	Amount	Per Fl.
		149 07	004	12 08	001			20		183 64	9.18
	<b>Total,</b>	<b>300 07</b>	<b>074</b>	<b>12 08</b>	<b>001</b>			<b>47</b>		<b>368 07</b>	<b>7.83</b>

REMARKS: Mine closed March 30th, 1912.  
 Year 1912 Operated 57 days 2-10hr. shift to March 11th.  
 Year 1912 operated 18 days 2-8hr. shift

1/27/13. *[Signature]*

Analysis of Supplies.

Analysis of Labor.

Labor.

CLEVELAND-CLIFFS IRON CO.		12 MONTH 1912.				12 MONTHS 1911.				Labor as per Cost Sheet, (E)	19450.06		
PRODUCT.		18960 Tons		79781 Tons		Labor as per Cost Sheet, (E)		19450.06	.54				
Class		Amount	Per Ton	Amount	Per Ton	Other Charges,				19449.52			
						Total,		17611.90	1837.62				
1	General Supplies,	132	03	007	1343	33	017			As per Labor Statement, General Pay Roll,	19449.52		
2	Iron and Steel,	33	19	002	289	72	004						
3	Oil, Grease and Candles	300	81	016	1673	92	021	As per Labor Statement, General Pay Roll,	17611.90				
4	Machinery Supplies,	178	86	009	2018	57	025						
5	Building Material,	469	40	025	1159	43	014	As per Labor Statement, General Pay Roll,	1837.62				
6	Explosives,	1529	36	080	9093	08	114						
7	Mine Timber,	1	60	000	52	31	001	As per Labor Statement, General Pay Roll,	19449.52				
8	Fuel,	1558	33	082	9874	16	124						
9	Electric Power	50	07	002	5	93	000	COMPARATIVE COST ON CARS. (E)		ON CARS. (E)			
10	Sundries,	223	16	011	8095	74	101	PRODUCT.	COST.	QUANT.	COST.		
11	Other Mines and Accounts,	258	19	012	36	37	000	12 Months 19 09	88581	1	348	500	
	Total Supplies,	4218	62	822	33569	82	421	12 Months 19 10	98290	1	336	152523 43 1*210	
	Direct Charges,	2351	34	124	3125	40	039	12 Months 19 11	98449	1	515	61 15 007	
	Adjustment,		54		7502	53	703	12 Months 19 12	79781	1	570		
(E)	Total as per Cost Sheet,	6569	42	346	36695	22	460	12 Months 19 12	18960	1	526		
Acct. No.	DETAIL OF DIRECT CHARGES.							DIVISION OF PRODUCT—By Grades.		T—By Grades.			
26	Insurance,	66	25	003	214	75	003	1912.	1911.	YTH.	YEAR.		
28	Analysis,	70	99	27	346	24	004						
29	Relief Fund,	147	30	008	537	30	007						
30	Personal Injury Expense,	720		000	174	86	002	Scotch,	17041	52949			
a	Mine Office,	35	32	000	174	86	002	Silica,	1919	26832			
b	District Office,							Total,	18960	79781			
151	Operating Compressors..												
171-	Exploratory,												
c	Central Office,	581	29	031	1695	24	021						
180-	Loading and Shipping,	216	98	011	61	72	001						
	Crushing ore,	1197	73	064									
	telephones & safety Dev.,				95	29	001						
	Total,	2351	34	124	3125	40	039						



**THE CLEVELAND-CLIFFS IRON CO.**  
MINING DEPARTMENT.

COST OF PRODUCTION FOR THE MONTH OF **YEARS 1912 & 1911.**

FORM 6, 1909, 7-12, M.J.

Acct. No.	MORRIS MINE	YEAR 1912.				YEAR 1911.					
		5370 Tons				none					
		No. Shifts and Days Operated		Average Daily Product		No. of Days Idle					
		LABOR		SUPPLIES		TOTAL		Supplies		Total	
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton
<b>GENERAL EXPENSE.</b>											
26	Insurance,										
27	Engineering,										
28	Analysis,										
29	Relief Fund,										
30	Personal Injury Expense,										
a	Mine Office,										
b	District Office,										
	<b>Total,</b>										
<b>MAINTENANCE.</b>											
125	Tracks and Yards,										
126	Docks, Trestles and Pockets,										
127	Buildings,										
128	Shop Machinery,										
129	Boiler Plant,										
130	Hoisting Machinery,										
131	Compressors and Power Drills,										
132	Pumping Machinery,										
133	Top Tram Engines and Cars,										
134	Skips and Skip Roads,										
135	Underground Tracks and Cars,										
136	Electric Tram Plant,										
137	Telephones and Safety Devices,										
	<b>Total,</b>										
<b>MINING EXPENSE.</b>											
150	Air Pipes,										
151	Compressors,										
152	Hoisting,										
153	Pumping,										
154	Sinking and Shaft Repairs,										
155	Rock Drifting,										
156	Breaking Ore,										
157	Tramming,										
158	Filling,										
159	Timbering,										
160	Captain and Bosses,										
161	Dry House,										
162	Top Landing and Tramming,										
163	Stocking Ore,										
164	Sorting Ore,										
	<b>Ore produced in development,</b>			6712 50	1.25	6712 50	1.25				
	<b>Total,</b>										
	Cost of Production, Per Cent,			6712 50	1.25	6712 50	1.25				
<b>EXPLORATORY.</b>											
171	Exploring in Mines,										
172	Surface,										
	<b>Total,</b>										
<b>DEPRECIATION, Etc.</b>											
115	Original Purchase,										
116	Plant Account,										
117	Equipment,										
118	New Construction,										
119	Supply Inventory,										
120	Miscellaneous,										
	<b>Total,</b>										
32	Taxes,										
c	Central Office ( per cent)										
121	Fire Loss,										
122	Idle Expense,										
	<b>Total Cost on Stock Pile,</b>			6712 50	1.25	6712 50	1.25				
<b>LOADING AND SHIPPING.</b>											
180	Steam Shovel,										
181	By Hand,										
182	At Pocket,										
184	Shipping Expense,										
	<b>Total,</b>										
	<b>Total Cost on Cars,</b>			6712 50	1.25	6712 50	1.25				
190	Depreciation Cost of Mine, per ton,										
191	Royalty Rate,										
192	Cleveland Office Expense,										
	<b>Total Cost,</b>										

Acct. No.	Accounts not Sunk Off	Months		Months		Sinking Acct. No. 154			Rock Drifting Acct. No. 155		
		Amount	Per Ton	Amount	Per Ton	Feet	Amount	Per Ft.	Feet	Amount	Per Ft.
	<b>Total,</b>										

REMARKS:

**Crediting opening mine \$1.25 on ore mined during Development work.**

CTB:B  
3/29/13.





# The Cleveland-Cliffs Iron Co.

MINING DEPARTMENT.

MINE.

Cost Sheet for the Month of

19

Sent

19

1910

1910

One proposal in development.

THE CLEVELAND-CLIFFS IRON CO.

MINING DEPARTMENT.

COST OF PRODUCTION FOR THE YEARS 1912 & 1911.

Acct. No.	DESCRIPTION	YEAR 1912.						YEAR 1911.						
		270,232 Tons						350,926 Tons						
		No. Shifts and Days Operated 1-10; 1-8; 2-8; 283						2-10hr. 230 1-10hr. 69						
		Average Daily Product 955						1174						
No. of Days Idle 31						10 3								
		LABOR		SUPPLIES		TOTAL		LABOR		SUPPLIES		TOTAL		
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	
<b>GENERAL EXPENSE.</b>														
26	Insurance,			518 25	002	518 25	002			429 33	001	429 33	001	
27	Engineering,	3563 35	013	70 00	000	3563 05	013	3636 58	010			3636 58	010	
28	Analysis,	2533 34	010	3790 99	013	6324 33	023	2731 49	008	4546 15	013	7277 64	021	
29	Relief Fund,			682 20	003	682 20	003			1511 40	004	1511 40	004	
30	Personal Injury Expense,			9 25	000	9 25	000			20 00	000	20 00	000	
a	Mine Office,	9273 92	034	2602 39	010	11876 31	044	7139 75	021	2185 82	006	9325 57	027	
b	District Office,													
	Total,	15370 61	057	7603 78	028	22974 39	085	13507 82	039	8692 70	024	22200 52	063	
<b>MAINTENANCE.</b>														
125	Tracks and Yards,	1633 42	006	433 30	002	2066 72	008	372 10	001	73 90	000	446 00	001	
126	Docks, Trestles and Pockets,	281 48	001	70 05	000	351 53	001	273 84	001	2648 80	007	2922 64	008	
127	Buildings,	136 15	000	784 99	003	921 14	003	179 54	000	285 90	001	465 44	001	
128	Shop Machinery,	3 74	000	1026 83	004	1030 57	004			209 94	001	209 94	001	
129	Boiler Plant,	511 55	002	699 70	004	1211 25	006	454 54	001	325 23	001	779 77	002	
130	Hoisting Machinery,	255 53	001	1303 41	005	1558 94	006	411 21	001	1586 62	005	1997 83	006	
131	Compressors and Power Drills,	216 47	001	2498 85	009	2715 32	010	176 90	000	231 61	007	2408 51	007	
132	Pumping Machinery,	691 91	003	485 93	001	1177 84	004	759 89	002	942 63	003	1702 52	005	
133	Top Tram Engines and Cars,	369 99	001	510 13	002	880 12	003	138 27	000	359 87	001	498 14	001	
134	Skips and Skip Roads,	3766 63	014	1426 30	005	5192 93	019	472 98	002	448 83	001	921 81	003	
135	Underground Tracks and Cars,	1220 90	005	582 23	002	1803 13	007	1501 60	004	1046 09	003	2547 69	007	
136	Electric Tram Plant,	3682 29	014	3136 32	011	6818 61	025	2793 30	008	2113 10	006	4906 40	014	
137	Telephones and Safety Devices,	197 23	000	440 36	002	637 59	002	151 38	000	336 46	002	487 84	002	
	Total,	12967 29	048	13398 40	050	26365 69	098	7685 55	022	12608 98	036	20294 53	058	
<b>MINING EXPENSE.</b>														
150	Air Pipes,	1571 31	006	749 93	003	2321 24	009	2401 83	007	1067 26	003	3469 09	010	
151	Compressors,			22961 86	085	22961 86	085	117 40	000	16104 57	046	16221 97	046	
152	Hoisting,	5844 58	021	7842 00	029	13686 58	050	5182 20	015	7495 08	021	12677 28	036	
153	Pumping,	8160 25	030	22227 65	082	30387 90	112	8226 50	023	18248 41	053	26474 91	076	
154	Sinking and Shaft Repairs,	41 26	000	285 50	001	326 76	001							
155	Rock Drifting,	4598 57	017	2430 58	009	7029 15	026	2881 72	008	992 49	003	3874 21	011	
156	Breaking Ore,	94021 66	348	16593 28	061	110614 94	409	118983 97	340	19163 72	054	138147 69	394	
157	Tramming,	17463 80	065	3311 07	012	20774 87	077	20905 21	059	5162 25	015	26067 46	074	
158	Filling,	84 25	001	75 81	000	160 06	001	1244 47	004	481 42	001	1725 89	005	
159	Timbering,	26369 79	097	14318 57	053	40688 36	150	36160 36	103	18213 69	052	54374 05	155	
160	Captain and Bosses,	10097 78	037	9 68	000	10107 46	037	7734 98	022			7734 98	022	
161	Dry House,	2103 28	008	1292 69	005	3395 97	013	1490 81	004	651 31	002	2142 12	006	
162	Top Landing and Tramming,	3577 18	013	764 97	003	4342 15	016	6095 22	017	626 15	002	6721 37	019	
163	Stocking Ore,	1907 76	007	149 81	001	2057 57	008	3852 76	011	1058 75	003	4911 51	014	
164	Sorting Ore,	127 65	001			127 65	001	782 24	002	22 68	000	804 92	002	
169	Gave in,	6961 41	026	494 59	002	7456 00	028	1175 23	004	24 70	000	1199 93	004	
170	flooded lands rental,									125 00	000	125 00	000	
	Total,	182930 53	677	93507 99	346	276438 52	1.023	217234 90	619	89437 48	255	306672 38	874	
	Cost of Production, Per Cent,	211268 43	782	114510 17	424	325778 60	1.206	238428 27	680	110739 16	315	349167 43	995	
		65%		35%		100%		68%		32%		100%		
<b>EXPLOSIVE.</b>														
171	Explosive in Mines,			538 53	007									
172	Explosive on Surface,			752 00	000			53 000		622 96	002	623 49	002	
	Total,			1290 53	007			53 000		622 96	002	623 49	002	
<b>DEPRECIATION, ETC.</b>														
115	Original Purchase,													
116	Plant Account,													
117	Equipment,					1083 39	004					1514 11	004	
118	New Construction,	31037 38	115	73547 00	272	104584 38	387	43302 69	123	152873 93	436	196176 62	559	
119	Supply Inventory,					4 89	000					22 90	000	
120	Miscellaneous,					1498 46	006					2910 05	008	
	Total,					104174 20	385	43302 69	123	152873 93	436	194757 78	555	
32	Taxes,					75145 41	278					79012 16	225	
c	Central Office (per cent)	11228 57	042	6158 80	023	17387 37	065	10873 41	031	5069 15	014	15942 56	045	
121	Fire Loss,					588 52	002							
122	Idle Expense,													
	Total Cost on Stock Pile,	253534 38	939	194215 97	719	521897 06	1.932	292604 90	834	269305 20	767	639503 42	1.822	
<b>LOADING AND SHIPPING.</b>														
180	Steam Shovel,	267227 16129	5198 95	019	1627 81	007	6826 76	026	3 08	000	595 48	037	598 56	037
181	By Hand,													
182	At Pocket,	199092 124277	2147 94	012	53074 65	000	2152 59	012	1311 44	011	38 68	000	1350 12	011
184	Shipping Expense,					23 98	001					102 48	001	
	Total,	7346 89	027	1656 44	006	9803 33	033	1314 52	004	736 64	002	2051 16	006	
	Total Cost on Cars,	260881 27	966	195872 41	725	530900 39	1.965	293919 42	838	270041 84	769	641554 58	1.828	
190	Depreciation Cost of Mine, per ton,													
191	Royalty Rate,							300				300		
192	Cleveland Office Expense,					5000 00	018					5000 00	018	
	Total Cost,						2.283						2.142	

Acct. No.	Description	12 Months 1912.		12 Months 1911.		Sinking Acct. No. 154		Rock Drifting Acct. No. 155		Ting Acct. No. 155	
		Amount	Per Ton	Amount	Per Ton	Amount	Per Ton	Amount	Per Ton	Amount	Per Ton
	Current equipt.,	1782 50		1661 47							
	Electric equipt.,	943 96		1415 95				2968	7029 15	2.37	
	Total,	2726 46		3077 42				1016	3874 21	3.81	

REMARKS:  
 Shifts and Hours- Year 1911- 2-10 hour, 280 days, from January 1st to October 9th  
 Year 1911- 1-10 hour, 69 days, from October 10th to December 31st  
 Year 1912- 1-10 hour, 54 days, from January 1st, to March 10th.  
 Year 1912- 1-8 hour, 82 days, from March 11th to June 18th.  
 Year 1912- 2-8 hour, 147 days, from June 19th to December 31st.

Copy from  
 1/16/13.  
 J.H.

Analysis of Supplies.

Analysis of Labor.

Labor.

CLEVELAND-CLIFF'S IRON CO.		Year 1912.				Year 1911.				Labor as per Cost Sheet, (E)		260881.27	
PRODUCT.		Amount		Tons		Amount		Tons		Other Charges,			
Class			Per Ton		Per Ton		Per Ton		Per Ton	Total,			
1	General Supplies,	10035	21	037	32510	45	092			As per Labor Statement,		240310.60	
2	Iron and Steel,	4854	87	018	39225	87	112			General Pay Roll,		20570.67	
3	Oil, Grease and Candles	3498	85	013	4227	88	012			Total,		260881.27	
4	Machinery Supplies,	17841	99	066	18709	65	053						
5	Building Material,	6743	72	025	33936	26	097						
6	Explosives,	18324	18	068	19911	62	057						
7	Mine Timber,	12242	09	045	15392	29	044						
8	Fuel,	26796	50	099	25592	09	073						
9	Electric Power Year 1911, Barn	8610	93	033	770	37	002						
10	Sundries,	73963	08	273	66743	23	190						
11	Other Mines and Accounts,	259	78	001	92	48	000						
Total Supplies,		182851	64	676	256927	23	732						
Direct Charges,		13020	77	049	13114	61	037						
October Adjustments,													
(E)	Total as per Cost Sheet,	195872	41	725	270041	84	769						
COMPARATIVE COST ON CARS. (E)										ON CARS. (E)			
		PRODUCT.		COST.		DUCT.		COST.					
		12 Months 1909		279439		1 228							
		13 Months 1909		298080		1 274							
		12 Months 1910		357893		1 256							
		12 Months 1911		350926		1 828							
		12 Months 1912		270232		1 963							
DIVISION OF PRODUCT—By Grades.										T—By Grades.			
		Year 1912		Year 1911		TH.		YEAR.					
		Negaunee Bessemer,		65750		64333							
		Negaunee,		204482		286593							
		Total,		270232		350926							
DETAIL OF DIRECT CHARGES.													
26	Insurance,	518	25	002	429	33	001						
28	Analysis,	3749	03	014	4472	81	013						
29	Relief Fund,	682	20	003	1511	40	004						
30	Personal Injury Expense,	9	25	000	20	00	000						
a	Mine Office,	997	87	004	200	56	000						
b	District Office,												
151	Operating Compressors.												
171	Exploratory, Hole #21,	518	36	002	518	36	002						
c	Central Office,	6158	80	023	5069	15	014						
180	Loading and Shipping,	905	37	003	539	08	002						
	Maintenance, (Oct. 136)				80	00	000						
	Mining Exp. Stocking,				3669	000							
	Flooding Lands,				125	00	000						
	Telephones & Safety devices,				272	23	001						
160	Mining Captain, Feb'y.	175	00	001									
160	Mining Captain, Dec.	175	00	001									
	Total,	13020	77	049	13114	61	047						



**THE CLEVELAND-CLIFFS IRON CO.**  
MINING DEPARTMENT.

COST OF PRODUCTION FOR THE MONTH OF **Y E A R S 1 9 1 2** & **1 9 1 1 . 1 1**

FORM 8, 1905, 7-12, M. J.

Acct. No.	OGDEN. MINE	YEAR 1912.				Tons YEAR 1911.				
		LABOR		SUPPLIES		LABOR		SUPPLIES		
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	
		No. Shifts and Days Operated								
		Average Daily Product								
		No. of Days Idle								
		LABOR		SUPPLIES		LABOR		SUPPLIES		
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	
		<b>GENERAL EXPENSE.</b>								
26	Insurance,			2 93		2 93		3 28		3 28
27	Engineering,									
28	Analysis,									
29	Relief Fund,									
30	Personal Injury Expense,									
a	Mine Office, <b>Watchman,</b>			120 00		120 00		120 00		120 00
b	District Office,									
	Total,			122 93		122 93		123 28		123 28
		<b>MAINTENANCE.</b>								
125	Tracks and Yards,									
126	Docks, Trestles and Pockets,									
127	Buildings,									
128	Shop Machinery,									
129	Boiler Plant,									
130	Hoisting Machinery,									
131	Compressors and Power Drills,									
132	Pumping Machinery,									
133	Top Tram Engines and Cars,									
134	Skips and Skip Roads,									
135	Underground Tracks and Cars,									
136	Electric Tram Plant,									
137	Telephones and Safety Devices,									
	Total,									
		<b>MINING EXPENSE.</b>								
150	Air Pipes,									
151	Compressors,									
152	Hoisting,									
153	Pumping,									
154	Sinking and Shaft Repairs,									
155	Rock Drifting,									
156	Breaking Ore,									
157	Tramming,									
158	Filling,									
159	Timbering,									
160	Captain and Bosses,									
161	Dry House,									
162	Top Landing and Tramming,									
163	Stocking Ore,									
164	Sorting Ore,									
	Total,									
	Cost of Production, Per Cent,			122 93		122 93		123 28		123 28
		<b>EXPLORATORY.</b>								
171	Exploring in Mines,									
172	" Surface,									
	Total,									
		<b>DEPRECIATION, Etc.</b>								
115	Original Purchase,									
116	Plant Account,									
117	Equipment,									
118	New Construction,									
119	Supply Inventory,									
120	Miscellaneous,									
	Total,									
32	Taxes,					4 66				4 70
c	Central Office ( per cent)									
121	Fire Loss,									
122	Idle Expense,									
	Total Cost on Stock Pile,			122 93		127 59		123 28		127 98
		<b>LOADING AND SHIPPING.</b>								
180	Steam Shovel,									
181	By Hand,									
182	At Pocket,									
184	Shipping Expense,									
	Total,									
E	Total Cost on Cars,			122 93		127 59		123 28		127 98
190	Depreciation Cost of Mine, per ton,									
191	Royalty Rate,									
192	Cleveland Office Expense,									
	Total Cost,									

A let. No.	Accounts not Sunk Off	Months		Months		Sinking Acct. No. 154			Rock Drifting Acct. No. 155		
		Amount	Per Ton	Amount	Per Ton	Current Mo.	Amount	Per Ft.	Feet	Amount	Per Ft.
	Total,										

REMARKS: **Mine closed October 1905.**

CTB:B.  
3/29/13.

MINE.

Month of

Analysis of Supplies.

Analysis of Labor.

CLEVELAND-CLIFFS IRON CO.		MONTH		.....MONTHS.....		Labor as per Cost Sheet, (E)			
PRODUCT.		Tons		Tons		Other Charges,			
Class	Amount	Per Ton	Amount	Per Ton	Total,				
1	General Supplies,								
2	Iron and Steel,								
3	Oil, Grease and Candles								
4	Machinery Supplies,								
5	Building Material,								
6	Explosives,								
7	Mine Timber,								
8	Fuel,								
9	Electric Power								
10	Sundries,								
11	Other Mines and Accounts,								
	Total Supplies,								
	Direct Charges,								
(E)	Total as per Cost Sheet,								
<b>DETAIL OF DIRECT CHARGES.</b>						<b>COMPARATIVE COST ON CARS. (E)</b>			
Acct. No.							PRODUCT.	COST.	
26	Insurance,					..... Months 19			
28	Analysis,					..... Months 19			
29	Relief Fund,					..... Months 19			
30	Personal Injury Expense,					..... Months 19			
a	Mine Office,					..... Months 19			
b	District Office,								
151	Operating Compressors.								
171-	Exploratory,								
c	Central Office,								
180-	Loading and Shipping,								
	Total,								

17

The Cleveland-Cliffs Iron Co.

MINING DEPARTMENT.

MINE.

Cost Sheet for the Month of

19

Sent 19

RECEIVED

MAR 31 1910

For ...



THE CLEVELAND-CLIFFS IRON CO.

MINING DEPARTMENT.

COST OF PRODUCTION FOR THE MONTH OF **Y E A R S** 1 9 1 2 & 1 9 1 1.

FORM 9, 1912, 7-12, W. J.

Acct. No.	PRINCETON. MINE.	Year 1912						Year 1911						96670 Tons	
		22567 Tons						75						1-10hr. 262	
		No. Shifts and Days Operated 1-8hr.						301						369	
		Average Daily Product						239						50	
LABOR		SUPPLIES				TOTAL		LABOR		SUPPLIES				TOTAL	
Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton
<b>GENERAL EXPENSE.</b>															
26	Insurance,			373 93	016	373 93	016			384 54	004	384 54	004		
27	Engineering,	275 70	013	8 70	000	284 40	013	1658 49	017	98 000	000	1659 47	017		
28	Analysis,	446 16	020	592 24	026	1038 40	046	890 82	009	1325 20	014	2216 02	023		
29	Relief Fund,			29 10	001	29 10	001			436 20	005	436 20	005		
30	Personal Injury Expense,							1 16	000	26 23	000	27 39	000		
a	Mine Office,	1541 55	067	441 83	021	1983 38	088	1925 89	020	445 77	005	2371 36	025		
b	District Office,	1131 04	050	513 14	023	1644 18	073	3436 28	036	1632 45	016	5068 73	052		
	Total,	3394 45	150	1958 94	087	5353 39	237	7912 34	082	4251 37	044	12163 71	126		
<b>MAINTENANCE.</b>															
125	Tracks and Yards,	749 20	033	68 85	003	818 05	036	483 51	005	40 59	000	442 92	005		
126	Docks, Trestles and Pockets,	18 24	001	91 62	004	109 86	005	870 23	009	1467 22	015	2337 45	024		
127	Buildings,	564 66	025	398 41	018	963 07	043	315 24	003	255 52	003	570 76	006		
128	Shop Machinery,														
129	Boiler Plant,			18 00	001	18 00	001	55 47	001	42 42	000	97 89	001		
130	Hoisting Machinery,	146 80	006	67 46	004	214 26	010	363 57	004	293 87	003	657 44	007		
131	Compressors and Power Drills,	11 78	001	22 86	001	11 08	000	17 09	000	377 65	004	394 74	004		
132	Pumping Machinery,	279 49	012	176 04	008	455 53	020	386 41	004	175 40	002	561 81	006		
133	Top Tram Engines and Cars,	79 53	003	296 31	013	216 78	010	893 90	009	1359 65	013	2253 55	022		
134	Skips and Skip Roads,	34 08	002	9 27	000	43 35	002	472 53	005	138 73	001	611 26	006		
135	Underground Tracks and Cars,	262 13	012	13 40	000	275 53	012	669 12	007	254 33	003	923 45	010		
136	Electric Tram Plant,	369 20	016	128 47	006	497 67	022	1503 52	015	697 25	008	2200 77	023		
137	Telephones and Safety Devices,	41 93	002	28 22	001	70 15	003	154 97	002	317 18	003	472 15	005		
	Total,	2557 04	113	644 57	029	3201 61	142	6185 56	064	5338 63	055	11524 19	119		
<b>MINING EXPENSE.</b>															
150	Air Pipes,	158 67	007	4 06	000	162 73	007	266 66	003	129 06	001	395 72	004		
151	Compressors,	218 50	010	772 52	034	991 02	044	865 43	009	3530 25	036	4395 68	045		
152	Hoisting,	358 59	016	272 12	012	630 71	028	960 58	010	1726 29	018	2686 87	028		
153	Pumping,	1621 13	072	2234 82	099	3855 95	171	2378 84	024	4583 73	048	6962 57	072		
154	Sinking and Shaft Repairs,	264 08	012	160 91	007	424 99	019	1123 57	012	1335 29	013	2458 86	025		
155	Rock Drifting,	114 18	005	42 92	002	157 10	007	602 24	006	127 83	002	730 07	008		
156	Breaking Ore,	8732 28	387	853 64	038	9585 92	425	37868 28	392	3450 27	035	41318 55	427		
157	Tramming,	2539 23	112	231 81	011	2771 04	123	9812 07	101	1010 66	011	10822 73	112		
158	Filling,														
159	Timbering,	4549 90	202	1664 38	073	6214 28	275	7465 03	077	5971 81	062	13436 84	139		
160	Captain and Bosses,	2574 30	114			2574 30	114	3762 16	039			3762 16	039		
161	Dry House,	428 11	019	599 23	026	1027 34	045	987 53	010	864 93	009	1852 46	019		
162	Top Landing and Tramming,	511 37	023	105 74	004	617 11	027	2216 47	023	1355 48	014	3571 95	037		
163	Stocking Ore,	613 02	027	323 76	015	936 78	042	1492 44	016	312 24	003	1804 68	019		
164	Sorting Ore,							4 36	000	1 50	0000	5 86	000		
	Closing Mine,							99 81	001			99 81	001		
	Total,	22683 82	1.006	7265 91	321	29949 73	1.327	69905 47	723	24399 34	252	94304 81	975		
	Cost of Production, Per Cent,	28635 31	1.269	9869 42	437	38504 73	1.706	84003 37	869	33989 34	351	117992 71	1.220		
		74%		26%		100%		71%		29%		100%			
<b>EXPLORATORY.</b>															
171	Exploring in Mines,														
172	Surface,														
	Total,														
<b>DEPRECIATION, Etc.</b>															
115	Original Purchase,					4513 40	200					9667 00	100		
116	Plant Account,					4360 87	193					5095 28	052		
117	Equipment,					1180 59	052					376 56	004		
118	New Construction,	25 75	001	197 35	008	171 60	007	4641 60	048	3279 14	034	7920 74	082		
119	Supply Inventory,					6 63	000					106 11	000		
120	Miscellaneous,											04 00	000		
	Total,	25 75	001	197 35	008	9890 01	438					22953 43	238		
32	Taxes,					13012 69	577					15384 54	159		
c	Central Office (per cent)	1165 28	053	647 84	028	1813 12	081	4007 91	041	1906 77	020	5914 68	061		
121	Fire Loss,														
122	Idle Expense,														
	Total Cost on Stock Pile,	29826 34	1.323	10319 91	457	63220 55	2.802	92652 88	958	39175 25	405	162245 36	1.678		
<b>LOADING AND SHIPPING.</b>															
180	Steam Shovel,	152125 ✓	16816 ✓	4852 72	032	4923 41	032	47 92		1171 57	058	1219 49	058		
181	By Hand,	857 ✓		7 96	000	110 80	155								
182	At Pocket,	9155 ✓	11145 ✓			116 60	010	253 41	023	1 00	000	254 41	023		
184	Shipping Expense,	277 00		2 78		279 78		75 04		3 20		78 24			
	Total,	566 13	024	4863 46	216	5429 59	240	376 37	004	1175 77	012	1552 14	016		
E	Total Cost on Cars,	30392 47	1.347	15183 37	673	68650 14	3.042	93029 25	962	80351 02	417	163797 50	1.694		
190	Depreciation Cost of Mine, per ton,														
191	Royalty Rate,							500				500			
192	Cleveland Office Expense,							150				150			
	Total Cost,							3,692				2,344			

A	Accounts not Sunk Off	Months	Months	Sinking Acct. No. 154	Rock Drifting Acct. No. 155	Ring Acct. No. 155
Det. No.	Amount	Par Ton	Amount	Par Ton	Amount	Par Ton
4	Plant,	7885 55	10163 83			
	Central pumping plant,			12 Mos. 12	shaft repairs.	30
	Total,			12 Mos. 11	Do	83
						113 82
						3.79
						684 86
						8.25

REMARKS: Mine closed November 30th, 1911; #1 shaft closed January 3rd, 1911. Resumed mining September 23rd, 1912 #2 shaft.

Detail #116 Plant Acct; 1912 1911  
 Gwin Townsite Buildings, 225.67 1001.12  
 Gwin Plant Buildings, 4135.20 4094.16  
 Total, 4360.87 5095.28  
 Idle Expense, 22,804.31 3,923.12

*Handwritten initials and scribbles.*

Analysis of Supplies.

Analysis of Labor.

Labor.

CLEVELAND-CLIFFS IRON CO. PRODUCT.		12 MONTH 1912.		12 MONTHS 11.		Labor as per Cost Sheet, (E) Other Charges, Total,	30392.47				
Class		Amount	Per Ton	Amount	Per Ton						
1	General Supplies,	1078	68	048	1355	67	015				
2	Iron and Steel,	153	54	007	1344	81	014				
3	Oil, Grease and Candles	393	26	017	1204	41	011				
4	Machinery Supplies,	252	66	011	2345	12	024				
5	Building Material,	928	51	041	6101	15	063				
6	Explosives,	577	93	026	3079	67	032				
7	Mine Timber,	1354	50	060	4212	93	044				
8	Fuel,	616	21	027	2378	57	025				
9	Electric Power	2536	33	112	1158	72	012				
10	Sundries,	1272	19	058	10848	36	112				
11	Other Mines and Accounts,	921	70	040	564	29	006				
	Total Supplies,	8242	11	366	33465	12	346				
	Direct Charges,	6941	26	308	6885	90	071				
(E)	Total as per Cost Sheet,	15183	37	673	40351	02	417				
DETAIL OF DIRECT CHARGES.											
26	Insurance,	373	93	016	384	54	004				
28	Analysis,	365	09	025	1138	99	012				
29	Relief Fund,	29	10	002	436	20	005				
30	Personal Injury Expense,				2	00	000				
a	Mine Office,	10	70	000	1632	45	017				
b	District Office,	513	14	023	25	75	000				
151	Operating Compressors.										
171-	Exploratory,										
c	Central Office,	647	84	029	1906	77	019				
180-	Loading and Shipping,	4801	46	213	1150	26	012				
	Stocking Ore-Presque <sup>1 sbb</sup>				39	16	000				
	Buildings,				5	51	000				
	Safety Dev.,				164	27	002				
	Total,	6941	26	308	6885	90	071				
								COMPARATIVE COST ON CARS. (E)		ON CARS. (E)	
								PRODUCT.	COST.	DUCT.	COST.
								12 Months 19 09	134651	1	416
								13 Months 19 09	144882	1	448
								12 Months 19 10	115782	1	797
								12 Months 19 11	96670	1	684
								12 Months 19 12	22567	3	042
								DIVISION OF PRODUCT—By Grades.		T—By Grades.	
								Year 1912	Year 1911	TH.	YEAR.
								Princeton Bessemer,	347	6869	
								Princeton,	99	1816	
								Princeton Cambridge,	22121	87985	
								Total,	22567	96670	



THE CLEVELAND-CLIFFS IRON CO.

MINING DEPARTMENT.

COST OF PRODUCTION FOR THE YEARS 1912 & 1911

Acct. No.	SALISBURY, MINN.	YEAR 1912.						YEAR 1911.					
		113,181 Tons		283		104,538 Tons		284		365		28	
		No. Shifts and Days Operated 2-10:58 2-8:225-		400		31		2-10hr. 284		365		28	
No. of Days Idle		31		28		31		28		28		28	
		LABOR		SUPPLIES		Total		Labor		Supplies		Total	
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton
<b>GENERAL EXPENSE.</b>													
26	Insurance,			246 61	002	246 61	002			276 58	003	276 58	003
27	Engineering,	621 96	006			621 96	006	471 55	005			471 55	005
28	Analysis,	508 92	004	2351 84	021	2860 76	025	396 88	004	2352 53	022	2743 71	026
29	Relief Fund,			327 00	003	327 00	003			561 00	005	561 00	005
30	Personal Injury Expense,												
a	Mine Office,	2608 15	023	520 51	005	3128 66	028	1832 10	017	606 63	006	2438 93	023
b	District Office,												
	Total,	3739 03	033	3445 96	031	7184 99	064	2699 83	026	3796 94	036	6496 77	062
<b>MAINTENANCE.</b>													
125	Tracks and Yards,	747 32	007	108 93	001	856 25	008	1124 05	011	140 63	001	1264 68	012
126	Docks, Trestles and Pockets,	90 63	001	49 22	000	139 85	001	194 79	003	74 30	000	269 09	003
127	Buildings,	631 21	006	564 11	005	1195 32	011	273 91	003	134 17	001	408 08	004
128	Shop Machinery,	8 14	000	39 24	000	47 38	000	28 83	000	26 43	000	55 26	000
129	Boiler Plant,	102 28	001	55 98	001	158 26	002	137 73	001	143 78	002	281 51	003
130	Hoisting Machinery,	241 28	002	888 38	008	1129 66	010	266 07	003	976 51	009	1242 58	012
131	Compressors and Power Drills,	68 37	000	636 74	006	705 11	006	101 57	001	50 44	000	152 01	001
132	Pumping Machinery,	266 54	002	615 28	006	881 82	008	214 66	002	157 25	002	371 91	004
133	Top Tram Engines and Cars,	44 19	000	33 64	000	77 83	000	14 75	000	72 75	000	87 50	000
134	Skips and Skip Roads,	1103 96	010	512 72	004	1616 68	014	1144 38	011	435 95	004	1580 33	015
135	Underground Tracks and Cars,	951 32	009	369 20	003	1320 52	012	953 19	009	459 65	005	1412 84	014
136	Electric Tram Plant,												
137	Telephones and Safety Devices,	27 89	000	121 55	001	149 44	001	160 71	002	377 81	003	538 52	005
	Total,	4283 13	038	3994 99	035	8278 12	073	4614 64	044	3049 67	029	7664 31	073
<b>MINING EXPENSE.</b>													
150	Air Pipes,	285 85	003	44 32	000	330 17	003	425 31	004	26 16	000	451 47	004
151	Compressors,	1680 04	015	2753 33	024	4433 37	039	1448 73	014	1958 49	019	3407 22	033
152	Hoisting,	3546 36	031	4398 64	039	7945 00	070	3666 80	035	4884 94	047	8551 74	082
153	Pumping,	2143 48	019	3011 88	027	5155 36	046	2862 37	027	3019 42	029	5881 79	056
154	Sinking and Shaft Repairs,	150 83	001	88 09	001	238 92	002	1160 03	011	412 10	004	1572 13	015
155	Rock Drifting,	2505 32	022	387 69	003	2893 01	025	5254 46	050	761 94	008	6016 40	058
156	Breaking Ore,	58916 70	520	4949 00	045	63865 70	565	53233 89	510	5130 99	048	58364 88	558
157	Tramming,	12033 81	106	384 04	004	12417 35	110	12274 51	117	303 71	003	12578 22	120
158	Filing,	439 80	004	71 00	001	510 80	005	493 61	005	96 82	001	590 43	006
159	Timbering,	10929 97	097	7305 54	084	18235 51	161	12324 44	118	7674 58	073	19999 02	191
160	Captain and Bosses,	5371 68	048			5371 68	048	3982 30	038			3982 30	038
161	Dry House,	1110 50	010	228 77	002	1339 27	012	1171 50	011	244 40	003	1415 90	014
162	Top Landing and Tramming,	2856 69	025	629 92	005	3486 61	030	3213 60	030	766 03	008	3979 63	038
163	Stocking Ore,	855 84	008	54 31	000	910 15	008	670 07	007	53 62	000	723 69	007
164	Sorting Ore,												
166	Cave in,	6 75	000	31 00	000	7 06	000	94 75	001	29 56	000	124 31	001
	Total,	102833 12	909	24306 84	215	127139 96	1.124	102276 37	978	25362 76	243	127639 13	1.221
	Cost of Production, Per Cent,	110855 28	980	31747 79	281	142603 07	1.261	109590 84	1.048	32209 37	308	141800 21	1.356
		78%		22%		100%		77%		23%		100%	
<b>EXPLORATORY.</b>													
171	Exploring in Mines,							364 96	004	933 66	009	1298 62	013
172	" Surface,							364 96	004	933 66	009	1298 62	013
<b>DEPRECIATION, Etc.</b>													
119	Original Purchase,												
116	Plant Account,	5480 97	052	1792 88	017								
117	Equipment,	5074 97	052	3942 45	053	17 48	000					22 15	000
118	New Construction,												
119	Supply Inventory,					10 38	000					2 20	000
120	Miscellaneous,					1 35	000					2 25	000
	Total,					26 51	000					17 70	000
39	Taxes,	399 37	005			4105 14	036	5680 71	054	2445 92	024	4388 90	042
c	Central Office (per cent)	6617 97	059	2964 84	026	9582 81	085					8126 63	078
121	Fire Loss,												
122	Idle Expense,												
	Total Cost on Stock Pile,	117473 26	1.039	34712 63	307	156317 53	1.382	115636 51	1.106	35588 95	341	155632 06	1.489
<b>LOADING AND SHIPPING.</b>													
180	Steam Shovel,	93781	42644	59 85	001	2830 99	028	2890 84	029	247 56	006	150067	035
181	By Hand,												
182	At Pocket,	62287	48691	874 66	014	2412 87	022	887 52	014	758 80	016	14 31	000
	Total,	934 50	008	2847 96	025	3782 46	033	1006 36	010	1516 18	014	2524 54	024
184	Shipping Expense,												
	Total Cost on Cars,	118407 75	1.047	37560 59	332	160099 99	1.415	116642 87	1.116	37107 13	355	158156 60	1.513
190	Depreciation Cost of Mine, per ton,												200
191	Royalty Rate,												150
192	Cleveland Office Expense,												150
	Total Cost,						1.765						1.863

Acct. No.	Accounts not Sunk Off	12 Months 1912.				Sinking Acct. No. 154				Rock Drifting Acct. No. 155				Ring Acct. No. 155			
		Amount	Per Ton	Amount	Per Ton	Amount	Per Ton	Amount	Per Ton	Amount	Per Ton	Amount	Per Ton	Amount	Per Ton		
8	Construction,	24363.29															
	Total,																

REMARKS: Year 1911 operated 284 days 2-10hr. shift.  
 Year 1912 operated 58 days 2-10hr. shift, from January 1st, to March 10th.  
 Year 1912 operated 225 days 2-8hr. shift, from March 11th, to December 31st.

*Handwritten initials*





THE CLEVELAND-CLIFFS IRON CO.

MINING DEPARTMENT.

COST OF PRODUCTION FOR THE MONTH OF YEARS

1912 & 1911.

Acct. No.	DESCRIPTION	YEAR 1912.						Year 1911.						226022					
		209282 Tons												2-10hr. 300					
		No. Shifts and Days Operated 2-10; 58; 2-8; 242 - 300												754					
		Average Daily Product 698												12					
STEPHENSON. MINE.		No. of Days Idle 14						Labor						Supplies		Total			
		LABOR		SUPPLIES		TOTAL		LABOR		SUPPLIES		TOTAL							
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton				
GENERAL EXPENSE.																			
26	Insurance,			97	14	001		97	14	001		99	42	000	99	42	000		
27	Engineering,	5126	95	025				5126	95	025		2209	24	010	40	32	000		
28	Analysis,	3133	21	015				6783	41	032		9916	62	047	3035	91	013		
29	Relief Fund,			636	90	003		636	90	003		1045	70	030	6703	70	030		
30	Personal Injury Expense,	7	61	000				19	74	000		27	35	000	22	85	000		
a	Mine Office,	2786	03	013				627	42	003		3413	45	016	2156	09	010		
b	District Office,	11588	42	055				4793	42	023		16381	84	078	7210	59	032		
	Total,	22642	22	108	12958	03	062	35600	25	170	14639	88	065	12004	51	053	26644	39	118
MAINTENANCE.																			
125	Tracks and Yards,	729	36	003	419	24	001	310	12	002	698	57	003	156	07	001	852	64	004
126	Docks, Trestles and Pockets,	190	81	001	81	95	000	108	86	001	2140	51	009	3961	68	018	6102	19	027
127	Buildings,	221	10	001	466	07	002	687	17	003	482	99	002	456	50	002	939	49	004
128	Shop Machinery,																		
129	Boiler Plant,	27	31	000	89	83	001	117	14	001	12	97	000	1	45	000	14	42	000
130	Hoisting Machinery,	603	95	003	1015	15	005	1619	10	008	545	36	002	361	72	002	907	08	004
131	Compressors and Power Drills,	74	31	000	935	61	005	1009	92	005	157	38	001	1360	86	006	1518	26	007
132	Pumping Machinery,	4184	68	020	4490	34	021	8675	02	041	1175	36	005	573	73	002	1749	09	007
133	Top Tram Engines and Cars,	1267	60	006	947	13	004	2214	73	010	1576	41	007	1115	02	005	2691	43	012
134	Skips and Skip Roads,	444	25	002	281	74	001	725	99	003	612	14	003	305	29	001	917	43	004
135	Underground Tracks and Cars,	763	17	004	736	63	003	1499	80	007	634	80	003	703	26	003	1238	06	006
136	Electric Tram Plant,	11246	98	054	3732	24	017	14979	22	071	5739	70	025	2429	65	011	8169	35	036
137	Telephones and Safety Devices,	984	42	005	424	31	002	1408	73	007	588	21	003	469	33	002	1057	54	005
	Total,	20737	94	099	12617	86	060	33355	80	159	14364	40	063	11892	58	053	26256	98	116
MINING EXPENSE.																			
150	Air Pipes,	845	61	004	547	73	003	1393	34	007	941	75	004	275	52	001	1217	27	005
151	Compressors,	2871	46	014	9623	56	046	12495	02	060	2000	25	009	8196	52	036	10196	77	045
152	Hoisting,	3830	50	018	3006	25	014	6836	75	032	2893	34	013	3952	85	017	6846	19	030
153	Pumping,	3896	84	019	8102	75	038	11999	59	057	2593	79	011	6537	99	029	9131	78	040
154	Sinking and Shaft Repairs,	10808	78	052	4789	22	023	15598	00	075	2816	00	012	206	52	001	3022	52	013
155	Rock Drifting,	18379	00	088	4479	73	021	22858	73	109	19953	50	088	7603	44	034	27556	94	122
156	Breaking Ore,	77523	63	370	6587	37	032	84111	00	402	91717	74	407	8784	89	039	100502	63	446
157	Tramming,	17068	94	082	2374	33	011	19443	27	093	15668	95	069	3153	74	014	18822	69	083
158	Filling,																		
159	Timbering,	27205	68	130	14132	22	068	41337	90	198	21999	89	097	11446	06	051	33445	95	148
160	Captain and Bosses,	10618	49	051				10618	49	051	5848	56	026				5848	56	026
161	Dry House,	948	68	004	794	07	004	1742	75	008	932	83	004	823	00	004	1755	83	008
162	Top Landing and Tramming,	5665	56	027	2115	68	010	7781	24	037	5415	38	024	2687	94	012	8103	32	036
163	Stocking Ore,	1298	07	006	760	83	004	2058	90	010	1543	69	007	1721	33	007	3265	02	014
164	Sorting Ore,	80	16	001				80	16	001									
166	Cave In,	21	19	000	11	00	000	32	19	000				40	49		40	49	
	Total,	181062	59	866	57324	74	274	238387	33	1.140	174325	67	771	55349	31	245	229674	98	1.016
Cost of Production, Per Cent,		224442	75	1.073	82900	63	396	307343	38	1.469	203329	95	899	79246	40	351	282576	35	1.250
		73%			27%			100%			72%			28%			100%		
EXPLORATORY.																			
171	Exploring in Mines,																		
172	Surface,																		
	Total,																		
DEPRECIATION, Etc.																			
115	Original Purchase, Plant Account,							58548	52	280	24	37	000	407	84	002	63292	09	280
116	Equipment,																716	93	003
117	New Construction,																9	40	000
118	Supply Inventory,							26	99	000							102	51	000
119	Miscellaneous,							51	30	000									
	Total,							58626	81	280	24	37	000	407	84	002	63997	11	283
32	Taxes, Central Office (per cent)	11724	72	056	5737	19	028	17461	91	084	8413	39	038	4128	35	018	10453	28	046
121	Fire Loss,																1254	74	056
122	Idle Expense,																		
	Total Cost on Stock Pile,	236167	47	1.129	88637	82	424	392705	59	1.877	211767	71	937	83782	59	371	369468	48	1.535
LOADING AND SHIPPING.																			
180	Steam Shovel,	93475	37960		58	25	000	2616	42	029	2674	67	029				1746	16	046
181	By Hand,																		
182	At Pocket,	120911	90880		2464	31	021	7	29	000	2471	60	021	1862	79	021	8	01	000
	Total,				90	00		3	08		93	08		182	50				
184	Shipping Expense,				2612	56	013	2626	79	012	5239	35	025	2045	29	009	1754	17	098
	Total,																3793	46	017
	Total Cost on Cars,	238780	03	1.142	91264	61	436	397944	94	1.902	213813	00	946	85536	76	379	373267	94	1.652
190	Depreciation Cost of Mine, per ton,																		
191	Royalty Rate,																		300
192	Cleveland Office Expense,																		150
	Total Cost,																		2.102

Acct. No.	Accounts not Sunk Off	12 Months 1912.		11 Months 1911.		Sinking Acct. No. 154		Rock Drilling Acct. No. 155		Ring Acct. No. 155		
		Amount	Per Ton	Amount	Per Ton	Amount	Per Ft.	Amount	Per Ft.	Amount	Per Ft.	
4	Plant, Construction,	39011	80	83495	33	15227	24	108.77	2658	22858	73	8.60
		21871	30			1035	72		3237	27556	94	8.51
	Total,	60883	10									

REMARKS: Shifts and hours changed from 2-10hr. to 2-8hr. March 11th, 1912.

132- Erecting launder and standpiping, \$4337.28

Detail Plant Account, \$116

	1912	1911
Gwinn Townsite Buildings,	2092.82	2260.22
Gwinn Plant Building,	4135.20	4094.16
Total,	6228.02	6354.38
Opening Mine 25¢ ton,	52320.50	56505.50
Total,	58548.52	62859.88

Analysis of Supplies.

Analysis of Labor.

abor.

CLEVELAND-CLIFFS IRON CO. PRODUCT.		12 MONTH 12.		12 MONTHS 11.		Labor as per Cost Sheet, (E)	238780.03	Other Charges, 332.43	Total, 239112.46
Class		Amount	Per Ton	Amount	Per Ton				
1	General Supplies,	6314	15 030	4339	51 019				
2	Iron and Steel,	3942	60 019	3373	58 015				
3	Oil, Grease and Candles,	3191	59 015	3490	94 016				
4	Machinery Supplies,	6937	41 033	6149	37 027	As per Labor Statement,	211325.32		
5	Building Material,	7808	82 037	4015	79 018	General Pay Roll,	27787.14		
6	Explosives,	8112	54 039	10967	40 049	Total,	239112.46		
7	Mine Timber,	12213	28 059	9958	94 044	COMPARATIVE COST ON CARS. (E)			
8	Fuel,	25948	57 124	34117	42 150				
9	Electric Power	2794	75 014	1175	63 005	PRODUCT.	COST.	CARS.	COST.
10	Sundries,	6284	92 030	10838	66 048	12 Months 19 09	136573	1 673	
11	Other Mines and Accounts,	11404	33 055	21509	85 095	13 Months 19 09	142816	1 780	
	Total Supplies,	72144	30 345	66917	39 296	12 Months 19 10	212325	1 698	
	Direct Charges,	19120	31 091	18619	37 083	12 Months 19 11	226022	1 652	
(E)	Total as per Cost Sheet,	91264	61 436	85536	76 379	12 Months 19 12	209282	1 902	
Acct. No.	DETAIL OF DIRECT CHARGES.					DIVISION OF PRODUCT—By Grades.			
26	Insurance,	97	14 001	99	42 000	By Grades.			
28	Analysis,	6561	02 031	6515	28 029				
29	Relief Fund,	636	90 003	1046	70 005				
30	Personal Injury Expense,	18	28 000	20	00 000	Stephenson Bessemer,	78459	152290	
a	Mine Office,	46	81 000	1	50 000	Stephenson No. 2,	130823	73732	
b	District Office,	4793	42 023	3557	02 016	Total,	209282	226022	
151	Operating Compressors.								
171-	Exploratory,								
c	Central Office,	5737	19 027	4128	35 018				
180-	Loading and Shipping,	2464	07 012	1746	16 008				
125-	Side Tracks-	1234	52 006						
	Maintenance,			8	93 000				
	Stocking Ore-Presque Isle,			1159	68 005				
	Safety Devices,			336	33 002				
	Total,	19120	31 091	18619	37 083				





THE CLEVELAND-CLIFFS IRON CO.

MINING DEPARTMENT.

COST OF PRODUCTION FOR THE MONTH OF YEARS 1912 & 1911.

Acct. No.	TILDEN. MINE.	YEAR 1912.				YEAR 1911.				
		LABOR		SUPPLIES		LABOR		SUPPLIES		
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	
		Tons								
		No. Shifts and Days Operated								
		Average Daily Product								
		No. of Days Idle								
		LABOR		SUPPLIES		LABOR		SUPPLIES		
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	
		<b>GENERAL EXPENSE.</b>								
26	Insurance,									
27	Engineering,									
28	Analysis,									
29	Relief Fund,									
30	Personal Injury Expense,									
a	Mine Office,									
b	District Office,									
	Total,									
	<b>MAINTENANCE.</b>									
125	Tracks and Yards,									
126	Docks, Trestles and Pockets,									
127	Buildings,									
128	Shop Machinery,									
129	Boiler Plant,									
130	Hoisting Machinery,									
131	Compressors and Power Drills,									
132	Pumping Machinery,									
133	Top Tram Engines and Cars,									
134	Skips and Skip Roads,									
135	Underground Tracks and Cars,									
136	Electric Tram Plant,									
137	Telephones and Safety Devices,									
	Total,									
	<b>MINING EXPENSE.</b>									
150	Air Pipes,									
151	Compressors,									
152	Hoisting,									
153	Pumping,									
154	Sinking and Shaft Repairs,									
155	Rock Drifting,									
156	Breaking Ore,									
157	Tramming,									
158	Filling,									
159	Timbering,									
160	Captain and Bosses,									
161	Dry House,									
162	Top Landing and Tramming,									
163	Stocking Ore,									
164	Sorting Ore,									
	Total,									
	Cost of Production, Per Cent,									
	<b>EXPLORATORY.</b>									
171	Exploring in Mines,									
172	“ Surface,									
	Total,									
	<b>DEPRECIATION, Etc.</b>									
115	Original Purchase,									
116	Plant Account,									
117	Equipment,									
118	New Construction,									
119	Supply Inventory,									
120	Miscellaneous,									
	Total,									
32	Taxes,					48	70		49	26
c	Central Office ( per cent)									
121	Fire Loss,									
122	Idle Expense,									
	Total Cost on Stock Pile,					48	70		49	26
	<b>LOADING AND SHIPPING.</b>									
180	Steam Shovel,									
181	By Hand,									
182	At Pocket,									
184	Shipping Expense,									
	Total,									
E	Total Cost on Cars,					48	70		49	26
190	Depreciation Cost of Mine, per ton,									
191	Royalty Rate, “									
192	Cleveland Office Expense, “									
	Total Cost,									

A	Accounts not Sunk Off	Months		Months		Current Mo.	Sinking Acct. No. 154			Rock Drifting Acct. No. 155		
		Amount	Per Ton	Amount	Per Ton		Feet	Amount	Per Ft.	Feet	Amount	Per Ft.
	Total,					Mos.						

REMARKS:

Mine closed October 31st, 1898.

OTB: B.  
3/29/13.



# The Cleveland-Cliffs Iron Co.

MINING DEPARTMENT.

MINE.

Cost Sheet for the Month of

19

Sent

19

RECEIVED

MAR 31 1913

ANS.





# The Cleveland-Cliffs Iron Co.

MINING DEPARTMENT.

MINE.

Cost Sheet for the Month of

19

Sent

19

RECEIVED  
MAR 31 1910

THE CLEVELAND-CLIFFS IRON CO.

MINING DEPARTMENT.

COST OF PRODUCTION FOR THE MONTH OF YEARS 1912 & 1911.

Acct. No.	MINE.	YEAR 1912						Tons		YEAR 1911.		537.5 tons	
		No. Shifts and Days Operated											
		Average Daily Product											
No. of Days Idle													
		LABOR		SUPPLIES		TOTAL		Supplies		Total			
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton		
<b>GENERAL EXPENSE.</b>													
26	Insurance,												
27	Engineering,												
28	Analysis,												
29	Relief Fund,												
30	Personal Injury Expense,												
a	Mine Office,												
b	District Office,												
	Total,												
<b>MAINTENANCE.</b>													
125	Tracks and Yards,												
126	Docks, Trestles and Pockets,												
127	Buildings,												
128	Shop Machinery,												
129	Boiler Plant,												
130	Hoisting Machinery,												
131	Compressors and Power Drills,												
132	Pumping Machinery,												
133	Top Tram Engines and Cars,												
134	Skips and Skip Roads,												
135	Underground Tracks and Cars,												
136	Electric Tram Plant,												
137	Telephones and Safety Devices,												
	Total,												
<b>MINING EXPENSE.</b>													
150	Air Pipes,												
151	Compressors,												
152	Hoisting,												
153	Pumping,												
154	Sinking and Shaft Repairs,												
155	Rock Drifting,												
156	Breaking Ore,												
157	Tramming,												
158	Filling,												
159	Timbering,												
160	Captain and Bosses,												
161	Dry House,												
162	Top Landing and Tramming,												
163	Stocking Ore, at Presque Isle,							5 74	010	5 74	010		
164	Sorting Ore,												
	Ore produced, in Development,							671 25	1.250	671 25	1.250		
	Total,							676 99	1.260	676 99	1.260		
	Cost of Production, Per Cent,							676 99	1.260	676 99	1.260		
<b>EXPLORATORY.</b>													
171	Exploring in Mines,												
172	" Surface,												
	Total,												
<b>DEPRECIATION, Etc.</b>													
115	Original Purchase,												
116	Plant Account,									5 37	010		
117	Equipment,												
118	New Construction,												
119	Supply Inventory,												
120	Miscellaneous,												
	Total,												
32	Taxes,												
c	Central Office (per cent)												
121	Fire Loss,												
122	Idle Expense,												
	Total Cost on Stock Pile,							676 99	1.260	682 36	1.270		
<b>LOADING AND SHIPPING.</b>													
180	Steam Shovel,												
181	By Hand,												
182	At Pocket,												
184	Shipping Expense,												
	Total,												
E	Total Cost on Cars,							676 99	1.260	682 36	1.270		
190	Depreciation Cost of Mine, per ton,												
191	Royalty Rate,												
192	Cleveland Office Expense,												
	Total Cost,												

Ad. No.	Accounts not Sunk Off	Months		Months		Sinking Acct. No. 154			Rock Drifting Acct. No. 155		
		Amount	Per Ton	Amount	Per Ton	Feet	Amount	Per Ft.	Feet	Amount	Per Ft.
	Total,										

REMARKS:

CTB: S.  
3/28/13.





The Cleveland-Cliffs Iron Co.

MINING DEPARTMENT.

MINE.

Cost Sheet for the Month of

19

Sent

19

RECEIVED

APR 2 1913

A. Ans.

at Youngs Lake

The product  
in Development

8 74

671 55 1

674 50 1

THE CLEVELAND-CLIFFS IRON CO.

MINING DEPARTMENT.

COST OF PRODUCTION FOR THE MONTH OF YEARS 1912 & 1911.

Acct. No.	CHAS E. MINE.	YEAR 1912.						4489 Tons		YEAR 1911.		1935 tons	
		No. Shifts and Days Operated											
		Average Daily Product											
		No. of Days Idle											
		LABOR		SUPPLIES		Total		Supplies		Total			
		Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton	Amount	Cost Per Ton		
<b>GENERAL EXPENSE.</b>													
26	Insurance,												
27	Engineering,												
28	Analysis,												
29	Relief Fund,												
30	Personal Injury Expense,												
a	Mine Office,												
b	District Office,												
	Total,												
<b>MAINTENANCE.</b>													
125	Tracks and Yards,												
126	Docks, Trestles and Pockets,												
127	Buildings,												
128	Shop Machinery,												
129	Boiler Plant,												
130	Hoisting Machinery,												
131	Compressors and Power Drills,												
132	Pumping Machinery,												
133	Top Tram Engines and Cars,												
134	Skips and Skip Roads,												
135	Underground Tracks and Cars,												
136	Electric Tram Plant,												
137	Telephones and Safety Devices,												
	Total,												
<b>MINING EXPENSE.</b>													
150	Air Pipes,												
151	Compressors,												
152	Hoisting,												
153	Pumping,												
154	Sinking and Shaft Repairs,												
155	Rock Drifting,												
156	Breaking Ore,												
157	Tramming,												
158	Filling,												
159	Timbering,												
160	Captain and Bosses,												
161	Dry House,												
162	Top Landing and Tramming,												
163	Stocking Ore,												
164	Sorting Ore,												
	<b>Ore produced in Development,</b>			5611 25	1.25	5611 25	1.25	2418 75	1.25	2418 75	1.25		
	Total,												
	Cost of Production, Per Cent,			5611 25	1.25	5611 25	1.25	2422 35	1.25	2422 35	1.25		
<b>EXPLORATORY.</b>													
171	Exploring in Mines,												
172	" Surface,												
	Total,												
<b>DEPRECIATION, Etc.</b>													
115	Original Purchase, Plant Account,												
116	Equipment,												
117	New Construction,												
118	Supply Inventory,												
119	Miscellaneous,												
120	Total,												
32	Taxes, Central Office (per cent)												
121	Fire Loss,												
122	Idle Expense,												
	Total Cost on Stock Pile,			5611 25	1.25	5611 25	1.25	2422 35	1.25	2422 35	1.25		
<b>LOADING AND SHIPPING.</b>													
180	Steam Shovel,												
181	By Hand,												
182	At Pocket,												
184	Shipping Expense,												
	Total,												
E	Total Cost on Cars,			5611 25	1.25	5611 25	1.25	2422 34	1.25	2422 35	1.25		
190	Depreciation Cost of Mine, per ton,												
191	Royalty Rate,												
192	Cleveland Office Expense,												
	Total Cost,												

Acct. No.	Accounts not Sunk Off	12 Months 1912		12 Months 1911		Current Mo.	Sinking Acct. No. 154			Rock Drifting Acct. No. 155		
		Amount	Per Ton	Amount	Per Ton		Fast	Amount	Per Ft.	Fast	Amount	Per Ft.
	Construction	181638	89	167367	68	✓						
	Explorations,	105729	76	105547	19	✓						
	Total,	287368	65	272914	87	✓						

REMARKS:

Crediting opening \$1.25 per ton on ore mined during development work.

CTB:B.  
3/27/13.

MINE.

Month of

Analysis of Supplies.

Analysis of Labor.

CLEVELAND-CLIFFS IRON CO.		MONTH		MONTHS		Labor as per Cost Sheet, (E)																												
PRODUCT.		Tons		Tons		Other Charges,																												
Class	Amount	Per Ton	Amount	Per Ton	Total,																													
1	General Supplies,					As per Labor Statement, General Pay Roll, Total,																												
2	Iron and Steel,																																	
3	Oil, Grease and Candles																																	
4	Machinery Supplies,																																	
5	Building Material,																																	
6	Explosives,																																	
7	Mine Timber,																																	
8	Fuel,																																	
9	Electric Power																																	
10	Sundries,																																	
11	Other Mines and Accounts,																																	
Total Supplies,						<b>COMPARATIVE COST ON CARS. (E)</b> <table border="1"> <thead> <tr> <th colspan="2"></th> <th>PRODUCT.</th> <th colspan="2">COST.</th> </tr> </thead> <tbody> <tr> <td>.....</td> <td>Months 19</td> <td></td> <td></td> <td></td> </tr> <tr> <td>.....</td> <td>Months 19</td> <td></td> <td></td> <td></td> </tr> <tr> <td>.....</td> <td>Months 19</td> <td></td> <td></td> <td></td> </tr> <tr> <td>.....</td> <td>Months 19</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						PRODUCT.	COST.		.....	Months 19				.....	Months 19				.....	Months 19				.....	Months 19			
		PRODUCT.	COST.																															
.....	Months 19																																	
.....	Months 19																																	
.....	Months 19																																	
.....	Months 19																																	
Direct Charges,																																		
(E)	Total as per Cost Sheet,																																	
<b>DETAIL OF DIRECT CHARGES.</b>						<b>DIVISION OF PRODUCT—By Grades.</b>																												
26	Insurance,					MONTH.		YEAR.																										
28	Analysis,																																	
29	Relief Fund,																																	
30	Personal Injury Expense,																																	
a	Mine Office,																																	
b	District Office,																																	
151	Operating Compressors.																																	
171-	Exploratory,																																	
c	Central Office,																																	
180-	Loading and Shipping,																																	
Total,																																		

24

The Cleveland-Cliffs Iron Co.

MINING DEPARTMENT.

MINE.

J. B. A. D.

Cost Sheet for the Month of

19

Sent

19

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APR 2 - 1910  
A. H. S.

SALES AS 1.25      2011 25 1.25      2011 25 1.25

One produced  
in Development

COST SHEET FOR RENTED BUILDINGS.

ASHLAND LOCATION.

Month of \_\_\_\_\_ ANNUAL \_\_\_\_\_ 1912.

THE STENGLEIN BLDG. NO. 10, MARQUETTE, MICH.

ACCOUNT NUMBER House Number	MAINTENANCE.									EARNINGS.		
	50 Painting Outside	51 Interior Decoration	52 Carpenter Work	53 Mason Work	54 Heating Plant	55 Plumbing	56 Walks, Yards and Fences	57 Water and Light	58 Miscellaneous	Total for Month	Total for Year	For the Month
1 J. M. Bush,		9 47	10 25			7 33				20	27 25	220 00
2 S. J. Perkins,		11 11	11 05								22 16	110 00
4 Sam McCrossen,												88 00
5 Carl Brewer,		14 90	11 91				1 34				28 15	132 00
Total,		35 48	33 21			7 33	1 34			20	77 56	550 00
GENERAL EXPENSE:												
26. Insurance,											38 34	
32. Taxes,												
31. Advertising,												
Uncollectible Rents, Total,											115 90	
Depreciation,												
Grand total cost of operating,												115 90
Net Earnings,												434 10
Number of Buildings in good repair,			4									
“ “ “ “ poor “												
“ “ “ unrentable,												
Total Buildings,			4									
Total Number of Untenanted Buildings—Double, “ “ “ “ “ Single,												
Total Rent Uncollected 1st of Month, Total Rent Earnings—Current Month, Total, Total Rent Collected—Current Month, Total Rent Uncollected End of Month, Construction Acc't Not Charged Off, Insurance Valuation,										7800 00		

REMARKS: WTR

1/27/13.

Lease on Ashland Mine given over to Hayes Mining Company November 30th, 1912.

JMS 1/29/13

RENTED BUILDINGS.

MINING Department.

ASHLAND Location.

COST SHEET FOR THE MONTH OF

ANNUAL, 1912.

RECEIVED

JAN 31 1913

Acc. Ans.

NOTED

E. R. M.

1. L. H. Bush,  
2. S. J. Perkins,  
3. Sam McCreary,  
4. Carl Brewer,

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67

Lease on Ashland Mine given over to Hayes Mining Company November 20th, 1912.







MINING DEPT.

COST SHEET FOR RENTED BUILDINGS.

AUSTIN, Continued. LOCATION.

Month of ANNUAL 1912.

ACCOUNT NUMBER House Number	MAINTENANCE.									EARNINGS.								
	50 Painting Outside	51 Interior Decoration	52 Carpenter Work	53 Mason Work	54 Heating Plant	55 Plumbing	56 Walks, Yards and Fences	57 Water and Light	58 Miscellaneous	Total for Month	Total for Year	For the Month	For the Year					
Pr't For'd,		79 90	687 17	42 17		99 99		35		438 48	1348 06		4834 78					
55 John K. Mattson,		17	19 80							7 83	11 80		96 00					
56 Nels Tackala,			15 98			3 50				7 83	27 31		96 00					
57 Gust Hyytinen,		2 08	31							7 83	10 22		96 00					
58 Dan Rovedo,		2 11				28				7 83	10 22		37 33					
59 Bert Oicheni,			1 36							8 27	9 63		63 46					
60 Fred Duhaime,			69							7 83	8 52		96 00					
61 Fred Brunelle,			6 44			4 00				11 94	22 38		73 81					
62 Paul Roman,			39 96			3 33				7 83	51 12		96 00					
63 John Meni,		3 40	19 71			1 60				7 83	32 54		96 00					
64 Matt Johns,		22 55	38 30	9 78		58 74				20 04	149 41		180 00					
65 Victor Aho,		2 80	7 46			4 05				14 96	29 27		204 00					
66 Joe Benaglio,		14 25	22 55	3 64		70	2 59			14 96	58 69		204 00					
67 Sima Krancich,		8 19	6 48			2 28				14 96	31 91		204 00					
68 J. R. Reigart,		203 80	42 10			5 30		3 44		19 20	274 84		120 00					
Total,		339 25	868 71	55 59	6 30	173 48		6 38		597 62	2052 32		6497 38					
GENERAL EXPENSE:																		
26. Insurance,												133 83 ✓						
32. Taxes,																		
31. Advertising,																		
Uncollectible Rents,																		
Total,												2186 15						
Depreciation,												4311 23						
Grand total cost of operating,														6497 38				
<b>Net Earnings,</b>																		
Number of Buildings in good repair,			37								Total Rent Uncollected 1st of Month,							
" " " " poor "											Total Rent Earnings—Current Month,							
" " " unrentable,											Total,							
Total Buildings,			37								Total Rent Collected—Current Month,							
Total Number of Untenanted Buildings—Double,											Total Rent Uncollected End of Month,							
" " " " " Single,			5	1/2 Houses.											Construction Acc't Not Charged Off,			
											34017 94 ✓		87 75 ✓					
											42450 00 ✓							

REMARKS: WTB 1/27/13.

3/1 JMB 1/29/13





RENTED BUILDINGS.

MINING Department.

AU TRAIN Location.

COST SHEET FOR THE MONTH OF

ANNUAL, 1912.

RECEIVED

JAN 31 1913

f. Ans.

NOTED

E. R. M.

1230 CC  
5109 12

1/28/13



THE LEVING LITHOGRAPH CO.

MINING DEPT.

UNITED STATES GEOLOGICAL SURVEY

CARP RIVER

Dr. Ho. Geo. Lacey,  
Gen. Tom Triney,

RENTED BUILDINGS.

MINING Department.

CARP RIVER Location.

25 25  
25 25  
COST SHEET FOR THE MONTH OF

ANNUAL, 1912.

RECEIVED  
JAN 31 1913  
Ans.

NOTED  
E. R. M.

27 25

25

25

27 25

29

2525 00  
2725 15

1/28 1913

MINING DEPT.

COST SHEET FOR RENTED BUILDINGS.

CHASE LOCATION.

Month of \_\_\_\_\_ ANNUAL \_\_\_\_\_ 1912.

ACCOUNT NUMBER House Number	MAINTENANCE.									EARNINGS.			
	50 Painting Outside	51 Interior Decoration	52 Carpenter Work	53 Mason Work	54 Heating Plant	55 Plumbing	56 Walks, Yards and Fences	57 Water and Light	58 Miscellaneous	Total for Month	Total for Year	For the Month	For the Year
1 Oscar Saari,			3 31						1 09		4 40		59 20
2 Peter Lafave,									1 09		1 09		44 00
3 Jos. Poirre,									1 09		1 09		24 00
4 Emil Wicklund,									1 09		1 09		20 00
5 R. E. Cerlyen,									1 09		1 09		72 00
6 Vacant,									1 09		1 09		
7 "									1 10		1 83		34 67
8 John Levi,			1 33						1 09		2 42		2 67
9 Jonas Johnson,									1 74		1 74		96 00
10 Vacant.									1 09		1 09		
Capt Alfred Bone,			84						2 49		3 33		144 00
Ed Ho Mrs. Nels Moline,			5 96						3 77		9 73		20 00
Total,			12 17						17 82		29 99		516 54 ✓
GENERAL EXPENSE:													
26. Insurance,											15 56		
" Capt. House,											3 36	10 92	
32. Taxes,											5 04	72 96	
Ins. Board. House,													
31. Advertising,													
Uncollectible Rents,													
Total,											53 95		
Depreciation,											462 59 ✓		
Grand total cost of operating,													516 54 ✓
Net Earnings,													
Number of Buildings in good repair,			7										
" " " " poor "													
" " " unrentable,													
Total Buildings,			7										
Total Number of Untenanted Buildings—Double,													
" " " " " Single,			3	1/2 Houses.								00 00	
Total Rent Uncollected 1st of Month,													
Total Rent Earnings—Current Month,													
Total,													
Total Rent Collected—Current Month,													
Total Rent Uncollected End of Month,													
Construction Acc't Not Charged Off,													
Insurance Valuation,										12266 55 ✓			
										9580 00 ✓			

REMARKS: WTR  
1/28/13.

JMS 1/29/13



RENTED BUILDINGS.

MINING Department.

CHASE Location.

COST SHEET FOR THE MONTH OF

ANNUAL 1913.

29 20	1 00	00
28 00	1 00	00
24 00	1 00	00
20 00	1 00	00
12 00	1 00	00
78 27	1 00	00
2 87	1 00	00
98 00	1 00	00
144 00	1 00	00
20 00	1 00	00

RECEIVED

JAN 31 1913

Ans.

NOTED

E. R. M.

218 24 59 22

18 22  
3 32  
2 04

218 24 45 22

00 00

15522 22  
2880 00

1/3 House.

1/2 House

- 1 Oscar Smith,
- 2 Peter Lavelle,
- 3 Tom Polette,
- 4 Earl Williams,
- 5 W. E. Gentry,
- 6 Vacant,
- 7 "
- 8 John Levi,
- 9 James Johnson,
- 10 Vacant.
- 11 Alfred Lane,
- 12 Mrs. Kate Malone,

3 31

1 28

2 28

18 14

30 29

1st. Ford. House,  
Capt. Howe,

1  
1  
2





MINING DEPT.

COST SHEET FOR RENTED BUILDINGS.

CROSEY LOCATION.

Month of \_\_\_\_\_ ANNUAL 1912.

ACCOUNT NUMBER House Number	MAINTENANCE.								EARNINGS.					
	50 Painting Outside	51 Interior Decoration	52 Carpenter Work	53 Mason Work	54 Heating Plant	55 Plumbing	56 Walks, Yards and Fences	57 Water and Light	58 Miscellaneous	Total for Month	Total for Year	For the Month	For the Year	
1 Peter Bjorklund,			72			5 98	20 88				27 58		58 60	
2 M. E. Gaffney,			4 60				20 88				25 48		96 00	
3 Wm. Pontius,		1 55					20 88				22 43		96 00	
4 Wm. Wivell,			1 82				20 89		4 94		27 65		120 00	
5 Max H. Barber,		12 00			7 87	1 26					21 13		180 00	
6 M. J. Donovan,						21 64					21 64		72 90	
Total,		13 55	7 14		7 87	28 88	83 53		4 94		145 91		623 50	
GENERAL EXPENSE:														
26. Insurance,												16 80		
" Sup't. House,												13 41		
32. Taxes,												31 96		
Ins. Clerk's House,												4 37		
31. Advertising,														
Uncollectible Rents,														
Total,												212 45		
Depreciation,												160 39		
Grand total cost of operating.														372 84
Net Earnings,														250 66
Number of Buildings in good repair,			6								Total Rent Uncollected 1st of Month,			
" " " " poor "			3								Total Rent Earnings—Current Month,			
" " " unrentable,											Total,			
Total Buildings,			9								Total Rent Collected—Current Month,			
Total Number of Untenanted Buildings—Double,											Total Rent Uncollected End of Month,			
" " " " " Single,			3								Construction Acc't Not Charged Off,			
											638 67			
											5775 00			

REMARKS: WTR 1/27/13.

Distribution of Depreciation,  
Sewall Property,  
Clerks Cottage, #6

\$113.50  
46.89  
\$160.39

JMS 1/29/13



