

THE CLEVELAND-CIFFS IRON COMPANY
MINING DEPARTMENT
COMPARATIVE STATEMENT OF PRODUCTION AND MILES FOR YEARS 1922, 1921, 1920 and 1919
INCLUDING OVERMILL AS REPORTED BY THE SHIPPING DEPARTMENT

	LAKE	WED- AUBRE	MORRIS- LLOYD	MAAS	SALIS- BURY	HOLMES	CLIFFS- SHAFT	REPUB- LIC	GWINN	STEPH- MASON	SPICE	MEADOW	CROSBY ORDE	ATHENS
TOTAL PRODUCTION -														
Year 1922	-	299,051	221,979	216,600	7,249	218,056	181,602	98,173	20,035	213,223	7,500	14,250	5,756	193,259
" 1921	34,497	266,636	209,034	208,280	20,106	178,000	66,470	73,014	63,501	196,839	44,514	34,671	59,133	176,077
" 1920	155,000	554,009	261,772	336,221	109,257	226,232	319,151	153,951	36,595	174,782	100,705	76,438	200,443	199,909
" 1919	315,119	494,162	235,435	339,030	107,148	153,131	356,773	155,815	137,947	-	70,914	100,001	209,950	140,735
Average per Month 1922	-	24,913	18,500	18,050	-	18,170	21,397	8,181	-	17,770	-	-	-	15,163
" " 1921	6,000	21,890	17,420	17,865	6,702	14,825	13,234	6,094	12,700	16,375	8,903	6,334	11,827	14,657
" " 1920	13,000	45,317	21,814	27,935	9,021	16,774	26,595	12,830	8,050	14,665	14,366	6,373	16,704	16,591
" " 1919	26,260	41,510	23,540	28,085	8,920	11,095	30,555	12,945	11,490	-	11,819	-	26,233	11,740
AVERAGE DAILY PRODUCTION -														
Year 1922	-	990	737	715	-	722	665	411	-	723	-	-	-	638
" 1921	275	873	723	713	379	615	583	358	433	671	353	267	548	599
" 1920	522	1,949	873	1,106	351	753	1,071	618	321	563	345	649	649	657
" 1919	1,057	1,655	945	1,127	351	445	1,231	510	459	-	473	323	1,009	472
TONS PER MAN PER DAY -														
Surface Year 1922	-	23.71	17.46	22.11	-	15.68	14.47	6.91	-	17.64	-	-	-	22.28
" " 1921	8.54	30.34	16.78	20.70	8.05	12.81	9.29	5.35	15.28	13.18	15.49	10.70	20.81	23.69
" " 1920	11.77	33.50	17.65	20.80	12.48	11.98	11.52	7.70	10.60	13.13	24.75	11.32	17.85	18.61
" " 1919	15.16	23.09	13.30	18.75	12.02	10.07	11.13	8.20	12.33	-	20.25	14.10	21.29	13.55
Underground 1922	-	5.37	5.33	5.43	-	5.51	4.28	3.10	-	6.00	-	-	-	6.40
" " 1921	3.47	5.59	4.22	5.32	3.09	5.29	4.75	2.54	6.04	5.14	5.22	5.10	5.53	6.41
" " 1920	4.72	6.63	4.32	4.81	3.51	4.38	4.71	2.87	4.27	4.43	8.05	5.21	3.40	4.38
" " 1919	5.91	5.54	4.45	4.69	3.69	2.88	4.30	2.32	4.65	-	6.37	5.63	14.34	4.20
Total 1922	-	5.25	4.08	4.99	-	4.08	3.30	3.14	-	4.49	-	-	-	4.97
" 1921	2.47	5.45	3.44	4.23	2.25	3.74	3.13	1.70	4.33	4.01	3.96	3.46	4.57	5.05
" 1920	3.37	5.53	3.47	3.90	2.80	3.21	3.34	2.09	3.05	3.31	6.08	3.57	6.15	5.95
" 1919	4.25	4.72	3.50	3.75	2.82	2.94	3.40	2.15	3.38	-	5.15	4.02	5.57	5.15
Stopping 1922	-	12.01	12.85	10.54	-	3.83	16.49	3.51	-	13.92	-	-	-	12.19
" " 1921	11.46	10.57	10.20	10.20	7.21	9.79	15.25	9.35	11.50	13.52	15.37	8.08	12.56	12.29
" " 1920	9.53	11.59	9.34	8.99	6.44	8.15	13.35	5.02	10.31	12.73	10.14	8.54	14.62	9.57
" " 1919	9.38	10.41	9.60	8.52	7.17	5.46	14.23	7.47	10.65	-	15.92	8.77	7.92	8.54
RATE PER DAY - SURFACE														
Year 1922	-	3.73	3.72	3.71	3.70	3.75	3.81	4.04	4.04	3.88	3.02	-	-	3.81
" 1921	5.12	4.49	4.54	4.53	4.39	4.38	4.75	5.02	4.74	4.54	4.73	5.07	5.33	4.51
" 1920	5.43	5.42	5.46	5.50	5.44	5.34	5.42	5.86	5.43	5.54	5.51	5.92	5.24	5.55
" 1919	5.00	4.92	5.18	4.95	4.99	4.96	4.95	5.35	5.09	-	4.88	5.42	5.92	5.00
RATE PER DAY - UNDERGROUND														
Year 1922	-	4.32	4.19	4.19	4.27	4.29	4.28	4.14	4.44	4.30	3.99	-	-	4.25
" 1921	5.56	5.45	5.25	5.21	5.68	5.28	5.87	5.29	5.53	5.29	5.64	6.21	5.99	5.42
" 1920	5.27	5.53	5.42	5.27	5.26	5.26	5.78	5.47	5.61	5.51	6.43	6.96	6.77	5.65
" 1919	5.98	5.35	5.00	5.75	5.74	5.78	5.98	5.93	6.25	-	5.72	5.42	6.24	6.20
RATE PER DAY - TOTAL														
Year 1922	-	4.22	4.08	4.10	4.05	4.15	4.17	4.11	4.27	4.19	3.69	-	-	4.18
" 1921	5.50	5.28	5.13	5.07	5.49	5.02	5.50	5.21	5.31	5.14	5.42	5.84	5.85	5.25
" 1920	5.25	5.34	5.23	5.12	5.05	5.08	5.23	5.31	5.42	5.27	5.20	5.63	5.59	5.43
" 1919	5.71	5.70	5.84	5.60	5.56	5.50	5.65	5.78	5.93	-	5.51	6.14	6.11	5.90
MEMORANDUM -														
Stockpile Overrun 1922	-	-	-	-	7,249	490	-	415	20,054	14,000	7,500	14,250	5,756	-
" 1921	-	-	-	-	-	499	-	-	20,502	-	-	-	-	-
" 1920	-	-	325	-	-	347	-	-	-	-	3,375	-	5,621	1,699
" 1919	-	-	-	-	-	1,390	-	-	449	-	-	-	-	-

Lake and Meadow Mines:- Abandoned May 31st, 1921.
Wegman, Morris-Lloyd, Maas, Athens Mines:- In 1922 operated 1-4hr. shift 6 days per week to June 4th, 1-8hr. shift 6 days per week balance of year.
Holmes Mine:- In 1922 operated 1-8 hr. shift 6 days per week to June 4th, 2-8 hr. shifts 6 days per week balance of year.
Cliffs Shaft Mine:- Closed May 31st, 1921. Production resumed in July 1922, 1-8 hr. shift 6 days per week.
Republic Mine:- In 1922 operated 1-8 hr. shift 3 days per week to June 4th, 2-8 hr. shifts 6 days per week balance of year.
Salisbury Mine closed March 5th 1921. Crosby Mine closed May 7th, 1921. Gwinn Mine closed May 31st, 1921. Neither of these mines operated since closing dates noted.
Spice Mine:- Closed June 30th, 1919. Resumed operating May 28th, 1920 and closed again May 31st, 1921. Still idle.
Stephenson Mine:- In 1922 operated 2-4 hr. shifts 6 days per week to June 4th, 1-8 hr. 6 days per week balance of year.
The following average rates per day, tons per man per day, and per cent of increase or decrease based on labor as per labor statement and supplies as per supply distribution sheets at above mines only:

	1922	1921	1920	1919	Percentage of Increase or Decrease
Average Rate per Day	4.15	5.24	5.23	5.73	1922 over 1921, 20.8 1921 over 1920, 16.6 1920 over 1919, 9.6 - 1922 over 1919 27.6
Tons per Man per Day	4.10	3.93	3.73	3.72	" " " 7.0 " " " 2.6 " " " 3 " " " 10.2
Labor Cost per Ton	1.019	1.269	1.633	1.541	" " " 25.6 " " " 18.7 " " " 9.2 " " " 33.9
Supply Cost per Ton	.600	.742	.653	.639	" " " 19.1 " " " 1.4 " " " 2.2 " " " 6.1

Decrease in wages effective June 8th, 1922 approximately 10%.
Increase in wages effective Sept. 1st, 1922 approximately 12%.

REP:MP-3
1/25/23.