

PRINCETON MINE

SURFACE:

The only work done at this property during the summer was that which was necessary on account of loading ore from stockpile. Considerable plank and timber, used in blocking up trestles, caved down when the ore was loaded, and was cleaned up from the stocking grounds. Late in the fall, several cars of ore were shipped in gondolas, at the rate of one car per day. This ore was loaded by hand from the stockpile.

Some ore and rock was hoisted which came from repair work in the mine. The ore and rock was hoisted twice a month during the year.

UNDERGROUND:

Repair work was continued on the main levels during 1923. The following shows in detail the number of sets installed, and the distribution of the work.

The footwall drift on the 6th Level, between No. 2 and 3 shaft, was repaired during January and February. Thirty-one sets of timber, ten caps, nine legs and fourteen sets of lagging were installed in this territory.

In March, and part of April, the 6th Level drift from No. 2 towards No. 1 Shaft, on Section 20, was retimbered for a distance of 75 feet, where this drift had crushed down, so that it was only about 5 feet high. The balance of April was spent in retimbering a crosscut on the 6th Level between No. 2 and No. 3 shafts, where seven old sets were replaced with new ones.

During the month of May, and part of June, the footwall drift between No. 2 and No. 3 shaft was thoroughly cleaned up, all ore in the ditch and alongside the drifts was loaded in cars and hoisted. There were also six sets of new timber put in this drift.

The balance of the month of June, and all of the month of July, the 6th Level drift towards No. 1 shaft on Section 19 was repaired, where new timber and lagging were put in to replace old timber. The ditch in this drift was also cleaned at this time.

The month of August, and part of September, was spent retrimbering a 6th Level raise which had crushed. The lower section of this raise had caved, due to timber crushing in the haulage drift, and it was necessary to first repair the haulage drift and then install new cribbing in the raise.

The balance of the month of September was spent repairing the 6th Level drift towards No. 1 shaft on Section 20, where a number of sets had crushed.

During the balance of the year the 6th Level drift towards No. 3 shaft was repaired. It was necessary to put in a number of new sets in this territory, and also re-lag a number of the old sets.

The following table gives the number of new sets put in; the number of legs and caps replaced on old sets, and the number of old sets lagged:

	<u>SETS</u>	<u>LEGS</u>	<u>CAPS</u>	<u>LAGGING</u>
January,	14	3	2	4
February,	15	7	7	10
March,	12	11	2	6
April,	10	2	1	8
May,	2			
June,	13	3		10
July,	6	11		5
August,	1			1
September,	3	2	4	2
October,	11	5	1	7
November,	9	13	1	9
December,	4	14	3	29
Total,	100	71	21	91

PRINCETON MINE

AVERAGE MINE ANALYSIS ON OUTPUT FOR YEAR 1923.

GRADE	IRON	PHOS.	SILICA	MANG.
Princeport,		(No Production)		
Cambridge,		(No Production)		

AVERAGE ANALYSIS ON STRAIGHT CARGOES FOR YEAR 1923.

GRADE	IRON	PHOS.	Mine SILICA	MANG.
Princeport,		(No Shipments)		
Cambridge,		(All Mixed)		

ORE STATEMENT - DECEMBER 31ST, 1923.

	PRINCE- PORT	SEC. 19 PRINCE- PORT	CAMBRIDGE	SEC. 19 CAMBRIDGE	TOTAL	TOTAL LAST YEAR
On Hand Jan. 1, 1923,	9,160	1,313	183,133	23,783	217,389	243,460
Output for Year,	-	-	-	-	-	74
Transferred,	-	-	2,947	2,947	-	-
Total,	9,160	1,313	186,080	20,836	217,389	243,534
Shipments,	-	-	25,642	-	25,642	26,145
Balance on Hand,	9,160	1,313	160,438	20,836	191,747	217,389
Decrease in Output,						74
Decrease in Ore on Hand,						25,642

1923 -- Mine Idle during Year.

1922 -- Mine Idle during Year.

PRINCETON MINE
SHIPMENTS FOR YEAR-1923.

GRADE	POCKET	STOCKPILE	TOTAL	TOTAL LAST YEAR
Princeport,	-	-	-	-
Sec. 19 Princeport,	-	-	-	-
Cambridge,	-	25,642	25,642	26,145
Sec. 19 Cambridge,	-	-	-	-
Total,	-	25,642	25,642	26,145
Total Last Year,	-	26,145	26,145	
Decrease,			503	

PRINCETON MINE

COMPARATIVE WAGES AND PRODUCT

	1 9 2 3	1 9 2 2	INCREASE	DECREASE
PRODUCT	-	74		74
No.Shifts & Hours				
AVG.NO.MEN WORKING				
Surface	3	3		
Underground	4	6		2
Total	7	9		2
AVG.WAGES PER DAY				
Surface	4.55	3.99	.56-14.03%	
Underground	4.83	4.55	.28- 5.15%	
Total	4.70	4.29	.41- 9.55%	
WAGES PER MO.OF 25 DAYS				
Surface	113.75	99.75	14.00	
Underground	120.75	113.75	7.00	
Total	117.50	107.25	10.25	
PRODUCT PER MAN PER DAY				
Surface				
Underground				
Total				
LABOR COST PER TON				
Surface				
Underground				
Total				
AVG.PRODUCT BRK'G & TRM'G				
" WAGES CONTRACT MINERS				
" " "				
TOTAL NO.OF DAYS				
Surface	1,138½	1,159¼		20-3/4
Underground	1,400½	1,387¼	13¼	
Total	2,539	2,546½		7½
AMOUNT FOR LABOR				
Surface	5185.02	4628.70	556.32	
Underground	6764.81	6312.03	452.78	
Total	11949.83	10940.73	1009.10	

Proportion Surface to Underground Men:

1923 - 1 to 1.33	
1922 - 1 to 2.	Mine not operating 1922.
1921 - 1 to 2.81	" " 1923.
1920 - 1 to 3.1	
1919 - 1 to 4.63	
1918 - 1 to 3.48	