

PRINCETON MINE

The product for the year was as follows:

Princeton,	2,488 Tons (Stockpile over-run)
Cambridge,	<u>768</u> "
Total,	3,256 "
Rock,	<u>4</u> "
Total Ore and Rock,	3,260 "

10,840 Tons were shipped from Princeton Stockpile.

687 Tons were shipped from Cambridge Stockpile.

2,080 Tons were transferred from Princeton Stockpile to Bessemer.

THE MINE

There was no mining done at the Princeton Mine during the year.

The work being confined to repairing drifts up to December 1st, at which time preparations were made for sinking No. 2 Shaft from 6th to 7th Levels.

WORK FOR DECEMBER

The work for December consisted in cleaning up skip pit and excavating ground on West side of shaft for 6th Level Pocket, as soon as this pocket is completed, sinking the shaft will be started. It is the intention to sink the shaft 80 feet at the present time, this depth being required to mine the ore on C. & N. W. Lease Section 19 - 45 - 25.

PRINCETON SURFACE

There were very few changes made on the surface during the year. One new bent was erected on permanent trestle East of the Shaft. Tracks were laid and railings erected on permanent trestle to the Southeast. A temporary landing floor with two sets of doors and chute constructed in North skip compartment of Shaft House. The above work being necessary for hoisting with bucket while sinking the shaft.

A wood head frame was erected at No. 3 Timber Shaft.

The land along the Stephenson spur of M. M. & S. E. Ry. on East side of Princeton Road was plowed and seeded down. This field was also enclosed by a fence.

PRINCETON MINE

AVERAGE MINE ANALYSIS OF OUTPUT FOR YEAR-1914

GRADE	IRON	PHOS.	SILICA	MANG.
Cambridge,	58.49	.809	5.63	1.226

AVERAGE ANALYSIS ON STRAIGHT CARGOES FOR YEAR-1914

GRADE	Mine		Lake Erie	
	IRON	PHOS.	IRON	PHOS.
Princeton Bessemer,	All	mixed		
Princeton,	"	"		
Cambridge,	"	"		

ORE STATEMENT - DECEMBER 31ST, 1914.

	PRINCETON BESSEMER	PRINCETON	CAMBRIDGE	TOTAL	TOTAL LAST YEAR
On Hand Jany. 1st, 1914	687	10,432	171,074	182,193	160,786
Stockpile Overrun,	2,080	408	-	2,488	
Output for Year,			768	768	74,884
Total,	2,767	10,840	171,842	185,449	235,670
Shipments,	2,767	10,840	0	13,607	53,477
Balance on Hand,	0	0	171,842	171,842	182,193
Decrease in Ore on Hand,				10,351	
Mine Idle during 1914.					

NOTE:-- The 768 tons shown as output was sent to surface by the few men engaged in keeping drifts open.

SHIPMENTS FOR YEAR - 1914

	POCKET	STOCKPILE	TOTAL	TOTAL LAST YEAR
Princeton Bessemer,		2,767	2,767	593
Princeton,		10,840	10,840	21,943
Cambridge,		0	0	30,941
Total,		13,607	13,607	53,477
Total Last Year,	20,461	33,016	53,477	
Decrease - 75%			39,870	

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COMPARATIVE AVERAGE WAGES AND PRODUCT.

PRODUCT '14 3,256 Tons.	SURFACE		UNDERGROUND		PRODUCT.	
	1914	1913	1914	1913	1914	1913
PRODUCT '13 74,884 "						
Avg. no. men working	4	19	6	61	10	80
Avg. wages per day	2.76	2.51	3.25	2.80	3.04	2.73
Avg. wages per mo. 25 days	69.00	62.75	81.25	70.00	76.00	68.25
Avg. product per man per day	-	13.55	-	4.15	-	3.18
Labor cost per ton	-	.185	-	.674	-	.859
Diff. in labor cost per ton	-	-.159	-	-.219	-	-.378
Avg. product breakg. & trmmg.			-	7.08		
Avg. wages for miners contract			-	2.90		
Total avg.wages for contract			-	2.90		

	1 9 1 4	1 9 1 3	INCREASE	DECREASE
<u>SURFACE.</u>				
Total number of days	1,394½	5,525		4,130½
Average rate	2.76	2.51	.25	
<u>Amount</u>	3,853.88	13,872.46		10,018.56
<u>UNDERGROUND</u>				
Total number of days	1,833-¾	18023-¾		16,190
Average rate	3.25	2.80	.45	
<u>Amount</u>	5,966.59	50,451.42		44,484.83
Total days	3,228	23548-¾		20320-¾
Average rate	3.04	2.73	.31	
<u>Total Amount</u>	9,820.47	64,323.88		54,503.41
Labor cost per ton	-	.859		

No. shifts and hours - 1-8hr

No mining done during 1914. Ore extracted was from development work only.

PROPORTION SURFACE TO UNDERGROUND MEN: 1914 - 1 to 1.31
 1913 - 1 to 3.13
 1912 - 1 to 4.69
 1911 - 1 to 4.18
 1910 - 1 to 4.03

INCREASE WAGES PER DAY: Development Surface .35 --- .10%
 Underground .45 --- .16%
 Total .31 --- .11%
 Increase in wages due to proportion of higher paid men employed in development.

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