

GARDNER-MACKINAW MINE

SURFACE:

All the mine buildings were painted by the contractor, with the spray machine, at the time the houses in the Gardner-Mackinaw Location were painted.

The square timber at the Gardner-Mackinaw Mine was loaded and shipped to the Stephenson Mine. This timber was purchased, a short time before the mine closed down, to be used in timbering the Mackinaw shaft when it was sunk to greater depth.

The greater part of the ore in stock at the Mackinaw Mine was removed during the past year. Tracks were installed in the Fall, so that the balance of the ore can be loaded out. Arrangements were made between the M. M. & S. E. Ry. Co., and the C. & N. W. Ry. Co., whereby the M. M. & S. E. Ry. Co., loaded and handled the ore from the Gardner stockpiles. The railroad track used for unloading timber at the Mackinaw was extended to the North and a connection made to the C. & N. W., track at the Gardner Mine. The greater part of the Gardner ore was shipped, together with a small tonnage of Gardner High Sulphur.

The motor for the Gardner Mine hoist, together with the electric equipment, was taken from the Gardner to the Stephenson Mine where it was installed on the skip hoist. When operations are resumed here it will be necessary to obtain another motor and electric equipment to replace this motor.

During the summer the water storage tank at the Mine was kept filled with water to provide fire protection for the mine. The water

line to the location was over-hauled so that in case of fire water could be forced to the location by the electric pump at the mine. Fire protection is needed for the location to fight forest fires on the sand-plains, which, in dry seasons, are a serious menace. A plowed strip about 20 feet in width, which extends entirely around the location has been kept free of grass and brush during the summer months, to provide additional fire protection.

GARDNER-MACKINAW MINE

AVERAGE MINE ANALYSIS ON OUTPUT FOR YEAR 1922.

GRADE	IRON	PHOS.	SILICA	MANG.	SULPH.
Gardner,			(No Production)		
Gardner High Sulphur,			(No Production)		
Mackinaw,			(No Production)		
Mackinaw High Sulphur,			(No Production)		

AVERAGE ANALYSIS ON STRAIGHT CARGOES FOR YEAR 1922.

GRADE	IRON	PHOS.	Mine SILICA	MANG.	SULPH.
Gardner,			(All Mixed)		
Gardner High Sulphur,			(All Mixed)		
Mackinaw,			(No Shipments)		
Mackinaw High Sulphur,			(All Mixed)		

ORE STATEMENT - DECEMBER 31ST, 1922.

	GARDNER	GARDNER HIGH SULPHUR	MACKINAW MACKINAW	MACKINAW HIGH SULPHUR	TOTAL	TOTAL LAST YEAR
On hand Jan. 1, 1922,	28,144	48,454	-	24,408	101,006	120,736
Output for Year,	-	-	-	-	-	-
Stockpile Overrun,	-	-	-	-	-	159
Total,	28,144	48,454	-	24,408	101,006	120,895
Shipments,	21,217	680	-	18,283	40,180	19,889
Balance on Hand,	6,927	47,774	-	6,125	60,826	101,006
Decrease in Output,					159	
Decrease in Ore on Hand,					40,180	

1922 -- Mine Idle during Year.

1921 -- Mine Idle during Year.

GARDNER-MACKINAW MINE

SHIPMENTS FOR YEAR 1922.

GRADE	POCKET	STOCKPILE	TOTAL	TOTAL LAST YEAR
Gardner,	-	21,217	21,217	-
Gardner High Sulphur,	-	680	680	-
Mackinaw,	-	-	-	5,816
Mackinaw High Sulphur,	-	18,283	18,283	14,073
Total,	-	40,180	40,180	19,889
Total Last Year,	-	19,889	19,889	
Increase,	-	20,291	20,291	

*Dormant*  
*Bank* *Bond*  
 MADE IN U.S.A.

GARDNER-MACKINAW MINE

COMPARATIVE WAGES AND PRODUCT

	1 9 2 2	1 9 2 1	INCREASE	DECREASE
PRODUCT	-	-		
No.Shifts & Hours				
Avg.NO. MEN WORKING				
Surface	3	2	1	
Underground	3	4		1
Total	6	6		
AVG.WAGES PER DAY				
Surface	3.49	4.17		.68-16%
Underground	3.78	5.05		1.27-25%
Total	3.62	4.71		1.09-23%
WAGES PER MO. OF 25 DAYS				
Surface	88.25	104.25		16.00
Underground	94.50	126.25		31.75
Total	90.50	117.75		27.25
PRODUCT PER MAN PER DAY				
Surface				
Underground				
Total				
LABOR COST PER TON				
Surface				
Underground				
Total				
AVG. PRODUCT BRK'G & TRM'G				
" WAGES CONTRACT MINERS				
" " " TRAMMERS				
" " "				
TOTAL NO. OF DAYS				
Surface	836	557 $\frac{1}{2}$	287 $\frac{1}{2}$	
Underground	732- $\frac{3}{4}$	866 $\frac{1}{2}$		163- $\frac{3}{4}$
Total	1568- $\frac{3}{4}$	1424	144- $\frac{3}{4}$	
AMOUNT FOR LABOR				
Surface	2915.27	2323.33	591.94	
Underground	2766.12	4379.40		1613.28
Total	5681.39	6702.73		1021.34

Proportion Surface to Underground Men:

1922 - 1 to 1  
 1921 - 1 to 2  
 1920 - 1 to 3.3  
 1919 - 1 to 3.

Mine idle since Nov. 30, 1920.