





Requisition No.

ENGINEER'S OFFICE

F. P. No. \_\_\_\_\_

Drawn by *H. T. Meisen*

CHAMPION COPPER CO.

Adams Township, MI

Checked by \_\_\_\_\_

PAINESDALE, MICH.

Date \_\_\_\_\_ 1910

SUBJECT *Hoisting Figures for 1910*

*CHAMPION MINE*

Shaft	Tons Rock Hoisted			Average Distance Hoisted, Ft.	Net Load, Tons	Wt. of Skip, Tons	Tons Coal	Average Speed, R.P.M.	Size of Rope	Size of Hoist
	Copper	Waste	Total							
<i>B</i>	<i>178763</i>	<i>21833</i>	<i>200596</i>	<i>888'</i>	<i>4.385</i>	<i>4</i>	<i>4,618</i>	<i>35</i>	<i>1 1/4"</i>	<i>32"X72" Nordberg, 18 1/2" Drum</i>
<i>C</i>	<i>165107</i>	<i>14546</i>	<i>179653</i>	<i>1146</i>	<i>2.215</i>	<i>3</i>	<i>1763</i>	<i>45</i>	<i>"</i>	<i>32X72 "</i>
<i>D</i>	<i>130995</i>	<i>9570</i>	<i>140565</i>	<i>1425</i>	<i>2.524</i>	<i>3</i>	<i>3337</i>	<i>45</i>	<i>"</i>	<i>24X60 "</i>
<i>E</i>	<i>247186</i>	<i>9114</i>	<i>256300</i>	<i>1107</i>	<i>4.639</i>	<i>4</i>	<i>2277</i>	<i>35</i>	<i>"</i>	<i>24X60 "</i>
<i>Total</i>	<i>722051</i>	<i>55063</i>	<i>777114</i>				<i>11996<sup>5</sup></i>			

*TRIMOUNTAIN MINE*

<i>1</i>	<i>35752</i>	<i>5136</i>	<i>40888</i>	<i>1070'</i>	<i>2.50</i>	<i>3</i>	<i>848</i>	<i>—</i>	<i>1 1/4"</i>	<i>32X72 Nordberg.</i>
<i>2</i>	<i>65887</i>	<i>16461</i>	<i>82348</i>	<i>1669</i>	<i>2.50</i>	<i>3</i>	<i>2541</i>	<i>35</i>	<i>"</i>	<i>32X72 Nordberg</i>
<i>3</i>	<i>66133</i>	<i>16307</i>	<i>82440</i>	<i>1902</i>	<i>2.64</i>	<i>3</i>	<i>2275</i>	<i>35</i>	<i>"</i>	<i>32"X72 "</i>
<i>4</i>	<i>149527</i>	<i>10318</i>	<i>159845</i>	<i>1198</i>	<i>2.02</i>	<i>3</i>	<i>2037</i>	<i>—</i>	<i>"</i>	
<i>Total</i>	<i>317299</i>	<i>48222</i>	<i>365521</i>				<i>7701</i>		<i>"</i>	

*Coal charged to Hoisting is very Approximate  
Hoisting speed Taken from Master Mechanic's Figures*



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CHAMPION COPPER CO. Adams Township, MI

Checked by \_\_\_\_\_

PAINESDALE, MICH.

Date \_\_\_\_\_ 191

SUBJECT Hoisting Figures for 1910.

BALTIC MINE

shaft.	Tons Rock Hoisted			Average	Net	Wt. of	Coal,	AV.	Size	Size	Max. Depth,
	Copper	Waste	Total	Dist. Hoisted Ft.	Load, Tons.	skip Tons.		Speed R.P.M.			
2	222958	12707	235665	1186	4.44	4	1928	45	1 1/4"	24x60 Nordberg	2150
3	238866	17547	256413	1606	5.25	4	1908	45	"	4x60 All's Cham	2425
4	199834	5427	205261	1666	4.75	4	1908	45	"	24x60 Nordberg	2350
5	119761	6252	126013	1250	1.97	3	1737	—	"	14x18 Geared. 6' Drum	1675
Total.	781419	41933	823352				7481				

2 copies

NOV 1 1910



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ENGINEER'S OFFICE

F. P. No. 1580

Drawn by *J. D. N.*

CHAMPION COPPER CO.

Adams Township, MI

Checked by

PAINESDALE, MICH.

Date *Dec 11* 1911

SUBJECT *Hoisting Plant Costs for 1911*  
*Baltic Mine*

Plant	Coal		Supplies cost	Firemen		Coal Passers		Total Costs.
	Tons	Cost		No. per 24hrs.	Amt.	No per 24hrs.	Amt.	
#2 Hoist & comp.	5240	17240	320	3	2057	2	795	20412
#5 Hoist	1500	4935	90	2	1371		226	6622
#3 & #4 Hoist & comp.	9752	32084	590	4	2742	2	1020	36436
Total	16492	\$ 54259	\$ 1000	9	\$ 6170	4	2041	\$ 63470
<i>Trimountain Mine</i>								
#2 Hoist	2805	9172	250	2	1460	1	575	11457
#3 "	2267	7413	250	1	775	2	310	8748
#3 Comp.	3545	11592	250	2	1520		460	13822
#4 Hoist	2844	9300	250	2	1280	380	11210	
Total	11461	\$ 37477	\$ 1000	7	\$ 5035	1725	\$ 45237	
<i>Champion Mine</i>								
"B" Hoist & Comp.	4070	13268	135	3	2273	1	1009	16685
C Heating Plant	1590	5183	55	2	1325			6563
C & D Hoists	3290	10726	111	2	1462	1	824	13123
E Hoist	2330	7596	80	2	1367	1	595	9638
F Plant	6959	22686	234	3	2296	2	1348	26564
Total	18239	\$ 59459	\$ 615	12	\$ 8723	5	\$ 3776	\$ 72573