

ESTIMATED COST PER TON OF STEEL INGOTS.

Materials Used		% of Metallic charge	Pounds per ton	Price	Cost
Pig Iron		46.21	1171	22.98	12.013
<u>Scrap</u>	<u>%</u>				
Welds & Stools	3.86	2.	51	22.44	.555
Heavy Melting	36.36	18.86	477	15.00	5.149
Bloom Mill Scrap	19.28	10.00	253	15.00	1.694
Turnings	9.64	5.	127	10.00	.567
Sheet Scrap	13.50	7	178	12.00	.954
Pit Scrap	13.50	7	178	11.25	.894
Ingots & Butts	3.86	2	51	15.00	.341
<u>Total Scrap</u>	<u>100.00</u>	<u>51.86</u>	<u>1315</u>	<u>13.88</u>	<u>8.154</u>
<u>Alloys</u>					
Ferro-Manganese	39	.7527	19	100.00	.849
Spiegeleisen	19	.3667	9	40.00	.161
Ferro-Silicon	4	.0772	2	90.00	.081
Ferro-Phosphorus	1	.0193	.5	60.00	.014
Ore - 60%	36	.6948	18	11.06	.090
Aluminum	1	.0193	.5	591.36	.132
<u>Total Alloy</u>	<u>100.00</u>	<u>1.93</u>	<u>49.</u>		<u>1.327</u>
<u>Total Metallic</u>		<u>100.00</u>	<u>2535</u>	<u>18.994</u>	<u>21.494</u>
<u>Scrap Made</u>			<u>114</u>	<u>11.25</u>	<u>.572</u>
<u>Net Metallic</u>			<u>2421</u>	<u>19.357</u>	<u>20.922</u>
Flux					.593
Refractories					.381
Labor					2.453
Fuel					1.351
Materials & Expenses					3.075
Auxiliary Accounts					.782
<u>Total Cost</u>					<u>29.557</u>
<u>Cost Above</u>					<u>7.661</u>
<u>Conversion Cost</u>					<u>8.063</u>

Average Seven Months ( July 1918 to February 1919, Inc. )

	<u>Practice</u>		<u>Yield</u>	
Pig Iron	46.21 %	Ingots	86.829%	
Scrap	51.86	Scrap	4.498	
Alloys	1.93	Loss	8.673	
	100.00		100.00	