

Example 1:—

Capacity of furnace.. . . .	3 tons.
Power of furnace.. . . .	300 K.W.
Life of lining.. . . .	6 weeks.
Stop over Sunday.. . . .	42 hours.
Tapping temperature.. . . .	1550°
Raw materials pure, cold.	
Yearly production good ingots.. . . .	2,350 tons.

Work done in the electric furnace, melting and deoxidizing:—

	Cost per ton.
Lining.. . . .	sh. 4.7
Current @ 0.4 d.. . . .	" 24
Wages.. . . .	" 8.9
Total.. . . .	" 37.6

Example 2:—

Capacity of furnace.. . . .	10 tons.
Power of furnace.. . . .	560 K.W.
Life of lining.. . . .	6 weeks.
Stop over Sunday.. . . .	24 hours.
Tapping temperature.. . . .	1650°
Raw materials pure, cold.	
Yearly production good ingots.. . . .	5,880 tons.

Work done in the electric furnace, melting and deoxidizing:—

	Cost per ton.
Lining.. . . .	sh. 3.8
Current @ 0.4 d.. . . .	" 22
Wages.. . . .	" 5.3
Total.. . . .	" 31.1

Example 3:—

Capacity of furnace.. . . .	10 tons.
Power of furnace.. . . .	560 K.W.
Life of lining.. . . .	6 weeks.
Stop over Sunday.. . . .	24 hours.
Tapping temperature.. . . .	1650°
Raw materials: dephosphorized liquid steel from a Siemens-Martin furnace, of 1450° C.	
Yearly production good ingots.. . . .	26,000 tons.

Work done in the electric furnace, heating 200° C, deoxidizing:—

	Cost per ton.
Lining.. . . .	sh. 0.8
Current @ 0.24 d. = 0.02 sh.. . . .	" 2.7
Wages.. . . .	" 0.3
Total.. . . .	" 3.8