

LIST OF TABLES.

Table.	Page.
I. Classification of electric furnaces	32
II. Net efficiencies of furnaces used for melting metals	34
III. Melting temperatures of metals, and amounts of heat required to melt them	40
IV. Calorific powers	43
V. Refractory materials	55
VI. Heat conductivities of furnace materials	57
VII. Voltage of Moissan's arc furnace	68
VIII. Resistivity of graphitized coke powder	76
IX. Resistivity of solid carbon	77
X. Resistivity of amorphous and graphitic carbon	78
XI. Operation of 5-ton Heroult furnace	89
XII. Induction furnaces in operation or in course of construc- tion	99
XIII. Steel and slag analyses	134
XIV. Analyses of ferro-alloys	139 & 140