

RECENT ADVANCES
IN THE
CONSTRUCTION OF ELECTRIC FURNACES
FOR THE
PRODUCTION OF PIG IRON, STEEL, AND ZINC

INTRODUCTORY

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I.

Steel Furnaces.

The extraordinary rapidity with which the development and perfection of electric furnaces for the production of steel has taken place since the publication of the Dominion Government 'Report of the Commission appointed to investigate the different electro-thermic processes for the smelting of iron ores, and the making of steel; in operation in Europe, in 1904,' will be manifest when it is stated that, only four electric furnaces of comparatively small capacity were then in existence in Europe; whereas in 1910—six years later—there are 67 in operation; 11 not working, and 36 in course of erection. The well-known technical journal, *Stahl und Eisen*, March 23, 1910, gives the following tabulated list of furnaces now working, or being installed:—