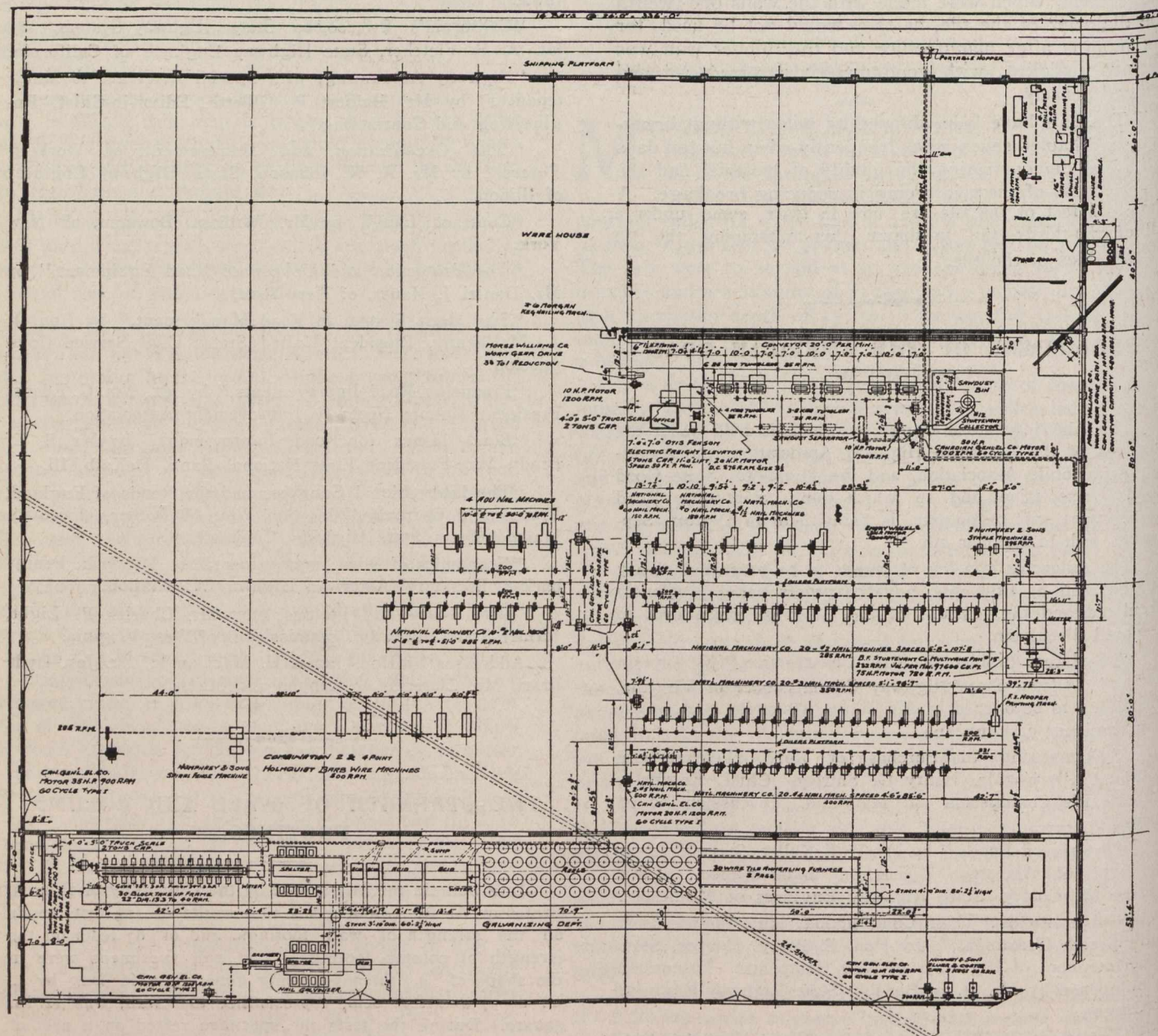


THE WIRE AND NAIL MILLS OF THE DOMINION IRON AND STEEL COMPANY, LIMITED.

Like almost all the large and successful enterprises, the works of the Steel Company at Sydney, N.S., have

An indication of the importance of this latest development of the works is given by the fact that the build-



General Arrangement of Nail and Wire Mill, Dominion Iron and Steel Company, Sydney, Cape Breton.

grown by a process of evolution. In the earliest days the output was confined to pig iron and steel in its primary forms, the manufacture of which is not always profitable, but without which there can be no permanent or satisfactory development of the secondary industries producing more highly finished materials. Later, when the expanding trade of the country seemed to warrant a forward movement, mills were erected to produce rails, billets and wire rods. During the past year a third stage of development was reached by the completion of the Merchant Mill, described in *The Canadian Engineer* of July 31st, and the establishment of a department for the manufacture of a large scale of all kinds of wire and wire products, including not only various sorts of wire nails required for the home market, but others specially adapted for export.

ings in which the various processes are carried on for the conversion of rods into wire and nails cover no less than four acres of ground and that the tracks serving these buildings and connecting them with the company's general railroad system take up nearly as much more.

Briefly stated, the course of operations is as follows: Rods, coming direct by hook conveyer from the rod mill, are prepared for drawing by cleaning and coating, they are then drawn into wire which may be finished for sale plain as it comes from the drawing blocks, or as annealed or galvanized wire. Part of the galvanized wire is put through machines which convert it into fencing of one sort or another. A large part of the plain wire is sent to the nail mill where it is made into nails of all patterns and sizes from a quarter of an inch to twelve inches in length, bright, coated, blued or galvanized.