

to provide for immediate needs, besides being arranged so that by successive additions the entire available property can ultimately be utilized.

The older buildings, as far as they are of a permanent character, have been modernized in construction and equipment, while existing temporary additions to the old shops are to be replaced by up-to-date structures.

Besides this, the capacity of the plant has been in-

of engines and tenders, besides providing for all boiler work.

It is believed to be advantageous in every way to concentrate as much of this work as possible under one roof. A building of this kind permits of more efficient and economical supervision, and reduces the cost of handling the material to a minimum. As compared with several separate shops a unified building is cheaper,

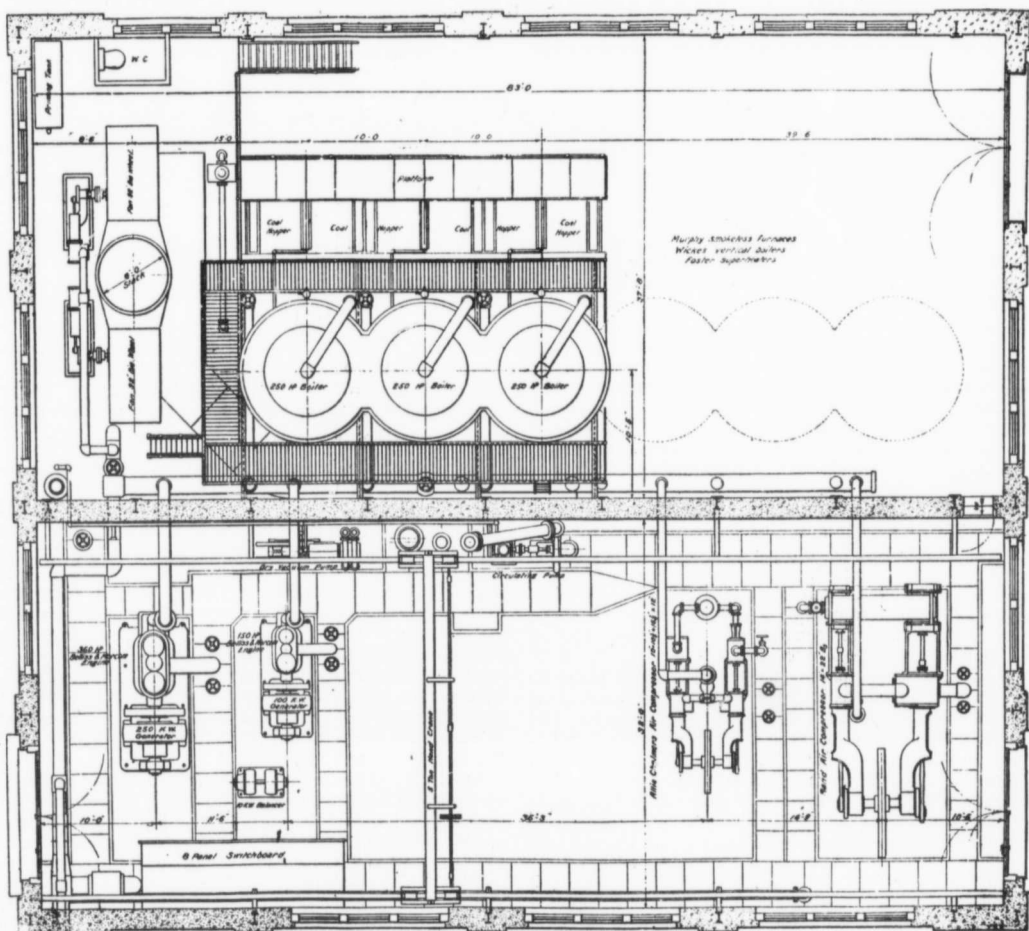


Fig. 2—Plan of Power Plant, Canadian Locomotive Works, Kingston.

creased by the construction of new shops and the installation of a complete power plant, motor, lighting and heating equipment.

During the past two years the machine shop has been reconstructed by replacing the timber construction of the second floor by heavy steel columns and beams, permitting the installation of numerous jib cranes. The machine shop is ultimately to be extended eastward so as to occupy also the site of the present erecting shop. The blacksmith shop will be enlarged by absorbing the space now devoted to foundry work, a new foundry being built on another site. A large new erecting shop is under construction to serve ultimately for the erection

more easily heated, and with a proper arrangement of skylights and lanterns, there is no difficulty in providing good over-head lighting. In a northern climate it is especially desirable to avoid the necessity of using outdoor transfer tables, and of passing from one building to another in bad weather.

This erecting shop is to consist ultimately of four or more longitudinal divisions, of about the same length, but of widths and heights varying with the work to be done in each part. The first of these divisions, now nearing completion, is devoted to boiler work, and occupies the site of the old boiler shop. It is 60 feet long and 400 feet wide, and has steel trusses and columns