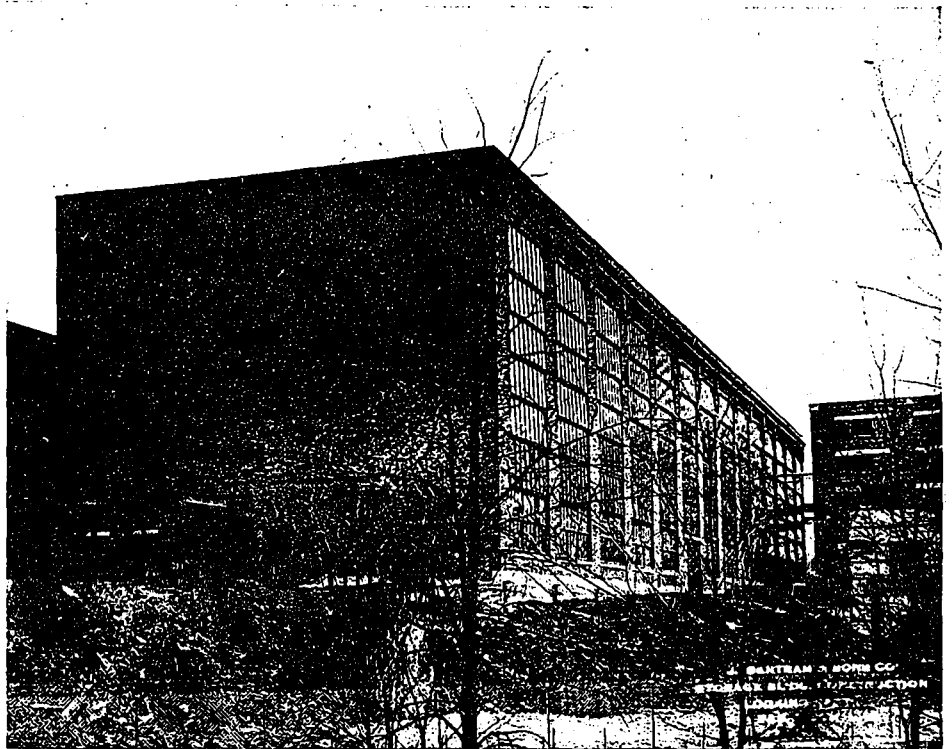


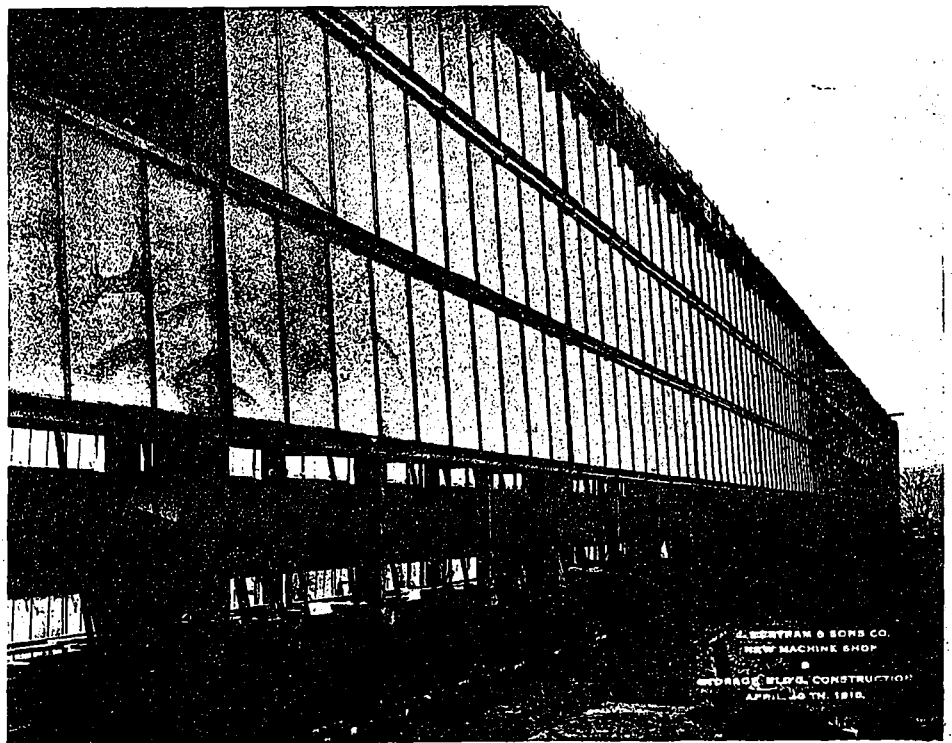
tile with maple flooring above on a 4-inch cinder fill with 3 x 4 inch nailing strips. Terrazzo is used for the floors of the halls, blue print room and lavatories, the latter having Italian marble walls to the height of six feet. The tables and desks in the offices consist entirely of steel equipment, the windows are of the metal sash type, and oak trim and doors are used throughout. The building is equipped with two book vaults, a special vault for the protection of plans and specifications, an automatic telephone system, and time and office clocks having a master clock control. An additional feature is a pneumatic tube system which connects the head office to the Pratt & Whitney building and the main Bertram plant, which is used for the delivering of messages between the several departments.

The Pratt & Whitney building is of flat slab concrete construction, having a two-way reinforcement of corrugated bars, and is devoted to the manufacture of precision machine tools, standard and gauge reamers, cutters, taps, dies and small tools. This work, to a large extent, is done by finely adjusted automatic machines which turns, lathes and tools special high grade steels, and turns out a completely finished product. The structure is 178 ft. long, 90 ft. wide at one end, and 75 ft. at the other, and has three stories and full basement. The concrete floors have a thickness of 8 inches, on which 3-inch plank is laid in pitch and brought to a true level, and finished over this with hardwood flooring. The columns are octagonal in shape and vary from 30 to 24 inches in size. They have 10 ft. square caps reinforced



PERMANENT STORAGE, JOHN BERTRAM & SONS COMPANY PLANT, DUNDAS, ONT.,

with 5-8 inch rods spaced 12 inches at the floor, with a mat of eight additional 1-2 inch straight rods running each way. The ceiling of all floors have cast iron inserts spaced 30 inches apart for carrying small steel channels to which the hangers supporting the line shaft and counter shaft operating the machinery, is hung. Two electric elevators of 6,000 and 4,000 lbs. capacity at either end of the building serve the various floors. There is also an electrically driven dumb



PERMANENT STORAGE ABOVE ROOF OF NEW LATHIE SHOP.