

Plaster Model Illustrates Expansion of Electrical Industry.

This interesting model of the Main Plant of the Canadian Westinghouse Co. Limited, Hamilton, was made by A. Anderson. It is 8½ ft. long by 5 ft. wide and is made exactly to scale. The details are all perfect. The original buildings of the factory centre around the chimney at the right. The rest of the buildings show the great expansion in factory operations and manufacture that have taken place in this important Canadian company in recent years.

fibre board shipping containers, rolls, sheets, etc. Their original plant was 194 ft. x 200 ft. This was enlarged in 1927 by an addition 194 ft. x 75 ft., so that their present plant measures 194 ft. x 275 ft. Forty hands are employed.

Timber Preservers, Limited, Burnaby, B.C., manufacturers of creosoted wood products, commenced operations in December, 1931. They have a production of 12,000,000 ft. annually, and employ 20 hands.

The W. S. Tyler Co. of Canada, Limited, St. Catharines, Ontario, manufacturers of woven wire screens and screening equipment, commenced manufacturing operations in the fall of 1930. Their plant measures 400 feet x 100 feet, and their site covers 15 acres, thus allowing ample room for future expansion.

The Perfection Rubber Co. Limited, manufacturers of automobile tires, tubes and rubber heels, commenced operations in Lachine, P.Q., in 1928. Their plant has a floor space of 30,000 sq. ft. and gives employment to approximately 60 men.

The Rogers-Majestic Corporation, Limited, Toronto, date from 1925, when E. S. Rogers perfected a radio tube that made batteryless radios a few months later. The Rogers Batteryless Radio Company began manufacturing in Toronto the first all-electric radio receivers in the world. The Company have grown steadily since. The plant on Fleet Street, Toronto, was erected in 1929, and has a floor space of 60,000 sq. ft. Another plant is located at 245 Carlaw Ave., and has a floor space of 42,000 sq. ft., and there is a tube

plant at 100 Sterling Road, with a floor space of 20,000 sq. ft. Employment has grown until it is now more than 1,100. In addition to radios, the company manufacture electric refrigerators and washing machines. They also operate CFRB, one of Canada's most powerful radio stations.

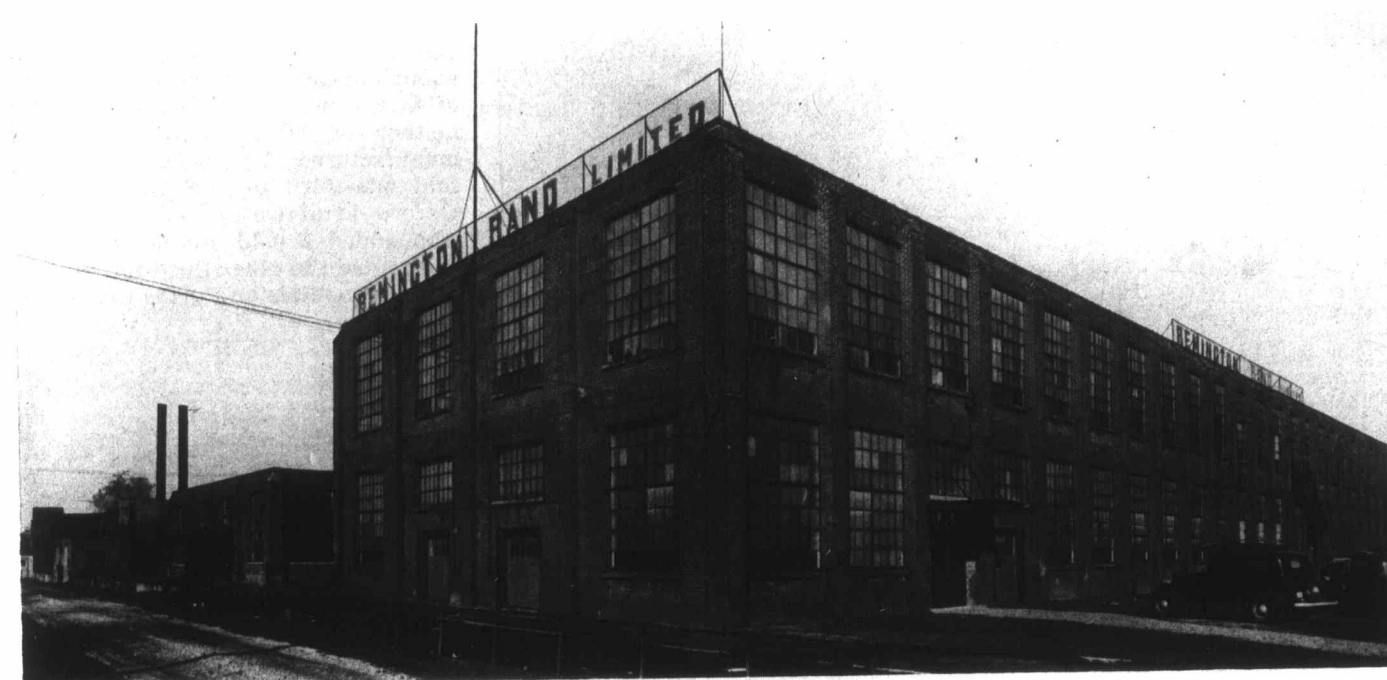
The Shell Oil Company of Canada, Limited, commenced manufacturing operations in their refinery at Montreal, in March, 1933. The plant has a capacity of 5,000 barrels of crude oil daily. Another refinery is also operated in British Columbia. The company employ more than 100 hands in the refinery and about 850 persons in other capacities.

The Torrington Company, Limited, manufacturers of machine needles, Upper Bedford, P.Q., have extended their plant several times during the past ten years, more than doubling its size, as well as production. They have installed a great deal of new equipment during this period, as well as replacing considerable hand equipment with automatic machinery, with a view to improving the quality of their products. They have also started the manufacture of a new type of needle for making full-fashioned hosiery and this business has been so satisfactory that they have had to double the equipment in this department to increase production from 500,000 a month to 1,000,000. In the ten-year period the number of their employees has increased from 200 to about 500.

Spruce Falls Power and Paper Company, Limited, began operations as newsprint manufacturers in July, 1926, at Kapuskasing, Ont. Before

this time, they had operated a sulphite mill, which was started in 1921. The plant has a capacity of 550 tons of newsprint per day, and in addition to the sulphite used in the manufacture of this newsprint, 120 tons of sulphite per day can be produced for sale as sulphite pulp. Employment is given to approximately 1,500 men the year round.

United-Carr Fastener Company of Canada, Limited, Hamilton, who opened their plant in 1920, redesigned its interior completely in 1928 in order to enable the company to add several new lines to the regular fastener output. These lines included principally parts for radio and electrical manufacturers and many special stampings of brass and steel, which could be economically produced on specially constructed machinery acquired at the time. Since then upwards of \$50,000 has been spent on machinery and equipment enabling them to give a complete and well-rounded line of snap fasteners, slider fasteners, tee nuts for automotive and furniture manufacturers and parts for radio and electrical manufacturers. The company also took over the complete rights for the Dudley Combination Lock for the British Empire and they now produce combination padlocks, unique in their construction, which are rapidly becoming standard equipment in schools and institutions. The main addition, of course, has been the manufacture of slider fasteners, to which great care and attention has been given. Since 1928 the personnel of the factory has been doubled. Wages have been maintained at the regular standard, without loss of time for any workman. Offices and warehouses have recently been opened in Toronto and Montreal.



Typewriter Company Plan Important Expansion.

These two buildings in Hamilton which have been purchased by Remington-Rand, Limited, contain about 90,000 sq. ft. of floor space. The company expect to commence manufacturing operations in Hamilton in April and will probably enlarge the one-storey building before the end of the year.

## Typewriter Company Plan Large Industry

Remington-Rand Limited Acquire Plant in Hamilton and Expect to Employ 800

WORK is proceeding at Hamilton on the alteration and equipment of the buildings recently purchased by Remington-Rand, Limited, for their manufacturing plant. The two buildings, which are illustrated on this page, are brick structures containing approximately 90,000 square feet of floor space, which were used during the War for the manufacture of munitions. One is a two-storey and the other a one-storey building. The company are already contemplating enlarging the smaller building and will probably undertake this before the end of this year. The site which they have purchased is large enough to permit the erection of other buildings when necessary.

Remington-Rand, Limited, expect to start operations in Hamilton about April 1, employing about 800 hands and hope eventually to employ in the neighbourhood of 1,500. In addition to serving the Canadian market, they look forward to a large increase in their export business, particularly with other countries of the Empire, as the Canadian content of their products will be increased so as to give them all advantages of preferential tariff rates.

Some 25 products will eventually

be made in the Hamilton factory, including typewriters, standard, portable and noiseless; bookkeeping machines; adding and accounting machines; office systems; record systems and other modern office equipment. R. A. Ballard, who is at present in charge of the company's Toronto factory, will also be manager of the Hamilton plant.

While certain equipment for the factory has to be brought in from the United States, the company are filling their requirements in Canada as far as possible and will continue this policy in purchasing materials when manufacturing gets under way.

Building Products, Limited, Montreal, have spent during the past eight years a sum of substantially more than \$250,000 in the extension of plants and the replacement of equipment for producing new or improving old products. During this period they have erected three new factories. At Hamilton, in conjunction with their roofing factory, close to \$100,000 has been invested in buildings and equipment for the manufacture of premoulded asphalt products, including asphalt tiles in many colours for use in public buildings and private homes; industrial floorings

for use in factories and warehouses and bridge plank, for use as a wearing surface for bridges. In the same plant they also produce expansion joints, used in the building of concrete highways, bridges, etc. At Verona, Ont., they erected, less than two years ago, a crushing plant for the production of coloured rock granules used in the manufacture of asphalt shingles and roofing, a product hitherto imported from the United States. At Winnipeg, Man., they erected their third roofing factory, being the only one of its kind between Toronto and Vancouver.

Wallaceburg Brass Limited, Wallaceburg, Ont., have made two extensions to their plant during the past ten years. A two-storey brick and reinforced concrete building, 40 x 60 ft. in size, was erected to accommodate their finished stock room on the upper floor and their pattern and drafting room on the lower floor. Another extension was to take care of an exhaust system for their polishing department. It is of solid brick construction, housing exhaust fans with more capacity than is presently required for the department. During the last two or three years they have been gradually replacing porcelain parts with die casting parts, the latter now being made in Wallaceburg, taking the place of parts originally secured from a foreign country. This company have also installed complete chromium plating equipment.