

The Toronto Electric Motor Company, Toronto, are building a 1000-light direct connected generator which is to be driven by a 100 h. p. Goldie and McCulloch engine. This generator is of a different type from generators usually made in this country, having wrought iron laminated pole pieces and soft steel pole shoes with a heavy cast iron crown. The armature is also of a new design, there being no wire passing down over the end. By this improvement considerable wire is saved, which means giving less wire loss than by the old system. The armature core is of laminated iron with ventilating strips which allow a free flow of air through the body of the armature, thus keeping the iron cool. This, we are told, is one of the largest machines yet built in Toronto and the first generator of this type built in Canada. This company have now

ready for shipment a forty h. p. motor and between twenty-five and thirty machines, ranging from  $\frac{1}{2}$  h. p. to ten h. p. They are now working on orders for Ottawa, Toronto and Campbellton, N. B.

The C.P.R. Company are building two heavy combination engines for use in the mountain districts, three compound ten-wheel freight engines for the Pacific division, six ten-wheel passenger engines for the Eastern division and four compound ten-wheel freight engines for miscellaneous and general use.

The Sturgeon Falls Pulp Company, Sturgeon Falls, Ont., is being incorporated with a capital stock of \$160,000, to purchase the partnership business heretofore carried on at Sturgeon Falls under the firm name of the Sturgeon Falls Pulp Company.

W. Tudhope, manufacturer of carriages and agricultural implements, Orillia, Ont., has admitted E. F. Cooke as partner, changing the firm name to W. Tudhope & Son.

The Raymond sewing machine factory at Guelph, Ont., has commenced the manufacture of bicycles.

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