

employed 90 p.c. of the workers. In the period immediately preceding the Great War many consolidations of previously independent manufacturing plants were effected, involving large economies in the purchase of materials and in selling expenses.

The historical Table 1 shows fairly well the advance of the "Industrial Revolution" (which might better be called "Evolution") in Canada. The average capital per manufacturing establishment, the average number of employees per establishment, and the average value of product per establishment, have been in trend continuously on the increase. If the consolidation of industry lessens the chances of an employee becoming a master, it must also be remembered that the amounts paid to employees in salaries and wages have also increased, so that the position of the average employee has been greatly ameliorated, though the lack of statistics on Canadian prices before 1890 prevents us from comparing the purchasing power of the average wages of the worker of 1870 and of the employee of the present.

The Censuses of Manufactures.—The comparability of the statistics of the various censuses is seriously affected by the different methods employed in census-taking. In the censuses of 1870, 1880 and 1890, all manufacturing establishments were included, the instructions to enumerators running as follows:—"An industrial establishment is a place where one or several persons are employed, in manufacturing, altering, making up or changing from one shape into another, materials for sale, use or consumption, quite irrespectively of the amount of capital employed or of the products turned out. All repairs, mending or custom work are understood to be industrial products and are to be entered accordingly, by value, in the returns of industrial establishments."

In the statistics of 1900, 1905, and 1910, however, only establishments employing five hands and upwards were included. The 1901 instructions are that no manufacturing establishment or factory will be so recognized for census purposes which does not employ at least five persons, either in the establishment itself or as piece-workers employed out of it. This, however, did not apply to cheese and butter factories nor to certain mineral products. The 1911 instructions stated that every factory in operation during the whole or part of 1910, and employing five or more persons, was to make a full report. All flour mills, saw and shingle mills, lime kilns, brick and tile works, butter and cheese factories, fish-curing plants, electric light and power plants whatsoever were nevertheless to be included. The statistics for 1915 included only establishments having an output of \$2,500 or over, irrespective of the number of persons employed, except in the case of flour and grist mills, butter and cheese factories, fish-preserving factories, saw-mills, brick and tile yards, lime kilns and electric light plants, where all plants were included.

Under the Statistics Act of 1918, the policy of including mines, fisheries, manufactures and other industrial production in the decennial census was abandoned and an annual "census of industry" substituted therefor. (See first annual report of the Dominion Statistician, pp. 30-36).

In the census of industry for 1917, the limit of output was withdrawn and all establishments reporting to the Bureau were included, the effect being an increase in the number of establishments included from 21,306 in 1915 to 34,392 in 1917—an increase due mainly to change of method, rather than to a change in the actual number of industrial establishments existing in the Dominion. In the taking of an annual canvass of the wide scope of the Canadian industrial census, it is inevitable that changes in the number of reporting industries shall be made from time to time, interfering with the comparability of the results. The statistics in regard to a large number of the custom and repair industries for 1922 were not collected,