

6.—Movement of Population, including estimated Natural Increase, recorded Immigration and estimated Emigration, for the intercensal periods 1901-1911 and 1911-1921.—

Decades and Items.	No.
Decade 1901-1911—	
Population, Census of April 1, 1901.....	5,371,315
Natural increase (1901-1911), estimated.....	853,566
Immigration (April 1, 1901, to May 31, 1911).....	1,847,651
Total.....	8,072,532
Population, Census of June 1, 1911.....	7,206,643
Emigration (April 1, 1901, to May 31, 1911), estimated.....	865,889
Decade 1911-1921—	
Population, Census of June 1, 1911.....	7,206,643
Natural increase (1911-1921), estimated.....	1,150,659
Immigration (June 1, 1911, to May 31, 1921).....	1,728,921
Total.....	10,086,223
Population, Census of June 1, 1921.....	8,788,483
Emigration (June 1, 1911, to May 31, 1921), estimated.....	1,297,740 ¹
Net gain in population, 1901-1911.....	1,835,328
Net gain in population, 1911-1921.....	1,581,840

¹ This figure includes also the 60,000 Canadian lives lost at the front and the soldiers (about 20,000) enlisting in the Canadian forces and receiving their discharge in the United Kingdom.

Annual Estimates of Population.—While the populations in different countries are actually counted at decennial or quinquennial censuses, annual estimates of populations are required by modern states for many purposes, such as the calculation of birth, death and marriage rates, and of per capita figures of production, trade, finance, consumption, etc. In different countries various methods of obtaining annual figures of postcensal populations are adopted. For example, in countries so far distant from the other civilized countries of the world as Australia and New Zealand, it is possible, with good vital statistics and records of the comparatively few arrivals and departures, to obtain the actual population at any particular date with approximate accuracy by the simple method of adding births and arrivals and subtracting deaths and departures during the period elapsed since the census. For Canada, on account of her 4,000 miles of common boundary line with the United States, crossed every day by many thousands of people in either direction, this method is impracticable; consequently our annual figure of population must be an estimate pure and simple. This indeed is the case in almost all civilized countries, though their methods of making the estimates vary.

Thus, the method of arithmetical progression is widely used in the older countries of the world, and also in the United States; this method involves the annual addition to the population of the country and of particular areas within it of one-fifth or one-tenth of the numerical increase in the last quinquennial or decennial intercensal period. This method is not yet applicable to Canada, where immigration is still relatively but variably heavy and the growth of population rapid. The method of geometrical progression, involving the addition each year to the population of a certain percentage of the population at the commencement of that year, is also generally inapplicable to Canada, as in only two decades since 1871 has the application of this method given approximately accurate results.

In making the estimates of Canadian population, the Bureau of Statistics has adopted the method of fitting a series of curves to the populations of the different provinces, as ascertained at the six decennial censuses since 1871, using the curve