

Letters patent are now issued subject to the provisions of c. 150, R.S.C., 1927, as consolidated in c. 32, 1935, and application for protection relating to patents should be addressed to the Commissioner of Patents, Ottawa, Canada.

The Patents, Designs, Copyright and Trade Mark (Emergency) Order, 1939, was passed to deal with conditions arising out of the present war. The Order confers on the Commissioner of Patents power to extend the time for doing anything prescribed by the Patent Act, the Design Act and the Copyright Act; to grant licences to manufacture under enemy-owned patents, designs and copyrights; to vary existing agreements; to hold secret or to withhold from publication any disclosure that might be of service to the enemy; and to grant permission to file patent applications abroad. The main object of the licensing provisions under the Order is to permit and encourage the working in Canada of inventions protected by enemy-owned patents, which for that reason could not be utilized during the War.

The growth of Canadian inventions\* is shown by the fact that the number of applications and total fees increased each year without a break from the beginning of the present century until the fiscal year 1913, when 8,681 applications were received and the total fees amounted to \$218,125. Since then progress has not been so rapid. Of the 7,686 patents granted in 1943, 6,003 or 78 p.c., were from inventors resident in the United States, 500 from Canadian residents and 641 from residents of Great Britain and Ireland, while residents of Germany applied for 188, of Switzerland for 82, of Holland for 71, of France for 45 and of Sweden for 39.

#### 1.—Patents Applied for, Granted, etc., in Canada, Fiscal Years 1938-43

Item	1938	1939	1940	1941	1942	1943
Applications for patents.....No.	10,950	10,899	10,413	9,064	9,678	10,024
Patents granted.....“	7,720	7,578	7,234	7,834	8,346	7,686
Granted to Canadians.....“	647	620	571	608	595	500
Certificates for renewal fees.....“	1	Nil	Nil	Nil	Nil	Nil
Caveats granted.....“	399	475	378	318	246	233
Assignments.....“	8,249	8,245	7,976	7,728	7,488	8,530
Fees received, net.....\$	367,127	365,672	350,607	333,646	351,553	348,036

During the fiscal year 1942-43, there was notable activity in the chemical and allied arts, particularly in the development of new and improved synthetic rubbers, higher quality motor fuels, polyvinyltype resins as substitutes for rubber and plastic compositions. Production of new insecticides was very active both for field and home use. In the therapeutic field, many compounds and derivatives of chlorophyll were developed for use in the medical world. New sulphur drugs were created and developments made in the B vitamin group. Interesting and extensive development took place in the processing, preservation and concentration of animal and vegetable products. In metallurgy, new methods of extraction of magnesium from its ores, powder metallurgy, and many new alloys were the principal line of invention. Electric welding continued very active, particularly in the field of welding by means of stored energy, and new types of vapour electric rectifiers were developed. In

\*'Invention' means any new and useful art, process, machine, manufacture, or composition of matter or any new and useful improvement in any art, process, machine, manufacture, or composition of matter.