

INDUSTRIAL CANADA

Issued monthly as the official publication of the Canadian Manufacturers' Association Incorporated, and devoted to the advancement of the industrial and commercial prosperity of Canada.

Established 1900

Contents for January

Canada's Industrial Expansion	57	What Electrical Energy Barometer Shows	120
The Industrial Romance of Five Quebec Towns. By W. B. McCall	81	B. C. Mining Industry Leaps Ahead in 1934. By Hon. G. S. Pearson	121
New Industries and Extensions in Nova Scotia. By E. A. Saunders	83	Saskatchewan's Non-Metallic Mining Industries	122
Viscose Rayon Industry Has Great Growth	85	Trade Relations, Canada and Australia. By L. R. Macgregor	123
Industrial Activity Expands in Quebec Territory	86	Midwest Canada's Metallic Mining Gains. By G. R. Laycock	124
Canadian Industry Grows Despite the Depression	88	How We Sold Alberta Coal. By Howard Stutchbury	126
New Products and Goods in Which there have been Marked Developments	91	Progress of Alberta's Oil and Gas Industry. By D. Austin Lane	128
The Effect of the Empire Trade Agreements	93	Machinery for Mining Industry Made in Canada	129
The Ottawa Trade Agreements and the Tanning Industry	97	Shoe Manufacturing Maintains Employment. By S. Roy Weaver	130
British Columbia's Lumber Industry Makes Progress	99	Expansion of the Canadian Woollen Industry in the Last Ten Years. By Paul Larose, B.Sc.	132
Twenty Years' Lumber Export to Three British Countries	101	Primary Textile Manufacturing Industry	134
Progress of Canada's Canned Salmon Industry	102	Distribution Map of Primary Textile Industries	135
The Canadian-United Kingdom Trade Agreement. By F. W. Field, C.M.G.	104	How Canadian, British and Foreign Mills Share the Canadian Market for Woollen and Worsted Cloth	136
Canada's Growing Share in British Market. By Frederic Hudd	105	Great Britain Now Shipping to Canada More Cotton Woven Fabrics	137
South African Trade in Canada. By D. de W. Meyer	106	Silk Industry Experiences Marked Expansion. By John Cowling	138
Bacon Industry Gains by Agreement. By S. E. Todd	107	Power Development of Past Decade	139
Canada's Progress in the Chemical Field. By G. S. Whitby, A.R.C.S.	108	Water Power Development in Manitoba. By Hon. J. S. McDiarmid	140
Calcium Chloride Now Made in Canada	112	Progress in British Columbia Power Field	141
Alcohol and Benzol from Turner Valley. By A. Cameron, Ph.D.	113	Fine Record of Expansion by Fish Company	142
Prince Edward Island's New Industries. By C. L. MacKay	113	Extensive Additions and Improvements of The Steel Co. of Canada, Limited	143
Developing a Great Fertilizer Industry. By R. W. Diamond	114	Continual Improvements Increase Efficiency of Dominion Steel & Coal Plants	146
List of Chemicals Now Being Made in Canada	116	Advances in the Field of Food Products. By N. H. Grace, Ph.D.	147
New Maple Products are Developed. By L. A. Skazin, M.Sc.	117	Flying to Prosperity. By G. M. Ross	148
Base Metal Industry Has Had Big Expansion	118		

SUBSCRIPTION

Annual \$4.00. Single Copies: Ordinary Issues, 35 cents. Special Issues, 50 cents. Advertising rates on application.

OFFICES

1404 BANK OF HAMILTON BUILDING
TORONTO

56

Canada's Industrial Expansion

A Record of Some of the Progress Made in the Erection of New Plants, Extension of Older Ones and Installations of New Equipment

WITH a view to ascertaining in a general way what Canadian manufacturers had been doing in the way of expansion and improvement of their plants during recent years, a representative group were asked to supply information along the following lines,—(1) new construction; (2) extension of existing plants and (3) installation of new equipment and improvement of manufacturing processes.

In this and the following pages a number of replies to these questions have been assembled. A ten-year period was named as covering an interesting decade in Canada's economic history and it will be found that in this period very substantial developments have taken place in all three lines of activity. A good many new plants have been erected, a large number have been enlarged and there has been a very general rehabilitation and modernization of manufacturing equipment and processes.

Darling Brothers, Limited, Montreal, report that owing to the great improvements and refinements in the

past ten years in heating systems for institutions and commercial and industrial buildings with a view to economical operation, they have enlarged their department for this work very considerably, particularly as regards testing of all units under working conditions before shipment is made. Greater space has been given their department manufacturing and testing centrifugal pumps of all kinds and some new equipment purchased, including special boring machines, radial drills, lathes and electric welding equipment.

Cosmos Chemical Co., Limited, Port Hope, have increased their grinding equipment, which is used for the manufacture of pigmented lacquers, about 50 per cent. They have built new storage sheds, using the old storage space for their manufacturing process, this addition increasing their manufacturing space about 25 per cent. During the 10-year period they have practically replaced their refining equipment, which they use for the manufacture of amyl acetate and the refining of crude fusel oil, and have about 25 per cent additional equip-

ment for stirring clear lacquer into solution.

B. J. Coghlin Co. Limited, Montreal, have added over one-third to their buildings in the past ten years, trebling the output on their principal product, springs. They have also made a complete change in the heating equipment in their furnaces, adapting heat control furnaces throughout and electrical draw furnaces.

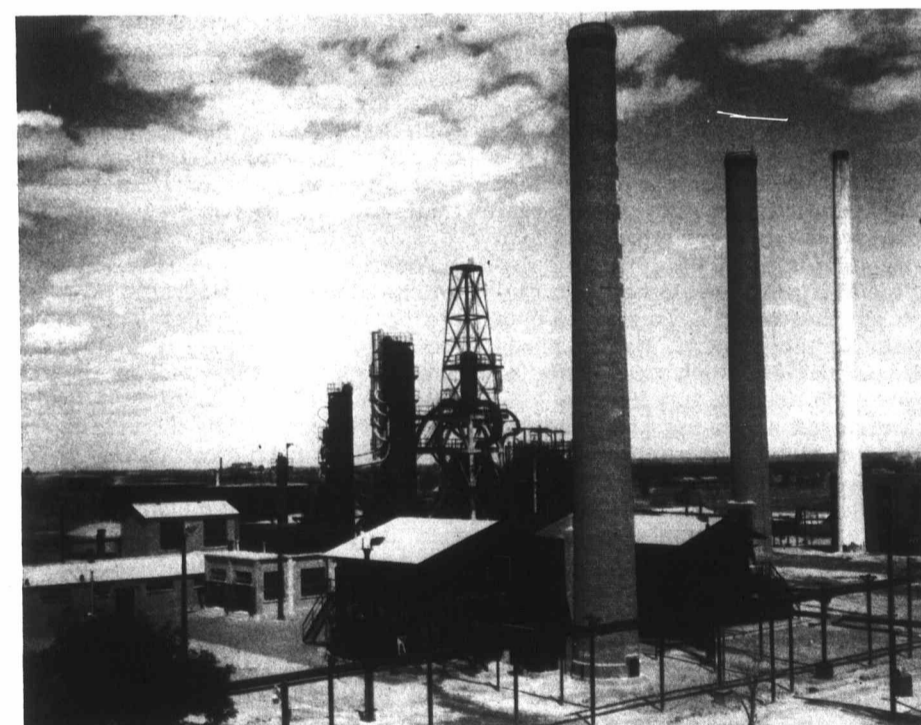
Christie, Brown and Company, Limited, biscuit manufacturers, Toronto, erected a new plant in Winnipeg in 1932 at a cost of over \$1,000,000. They are always looking for improved equipment and install same from time to time.

The Canadian Drawn Steel Co. Limited, Hamilton, made a fairly large addition to their plant about ten years ago and have installed some new equipment to facilitate and improve the manufacture of their product.

Champion Spark Plug Co. of Canada Limited, Windsor, made a large addition to their plant in 1929 at a cost of almost \$200,000. This was at a time when the original plant, built in 1919, could no longer take care of the production which had climbed to 20,000 a day. The present enlarged factory has a capacity of 5,000,000 a year.

Dominion Tar & Chemical Company, Limited, Montreal, have, during the past ten years extended their tar distilling facilities by the installation of stills which enable them to distil tar until the residue is a carbon coke of 99 per cent purity. The distillates comprise in the first place an increased production of creosote oil used in the wood preserving industry and in the second place oils which are redistilled or built up to supply the market for resins, solvents and naphthalene. In addition a large extension has been built at the Toronto tar distilling plant to manufacture pure phenol for which a market in Canada has always existed but which was previously supplied from abroad.

Delamere & Williams Limited, Toronto, engineers, designers and builders of special machinery, were in



Oil Refining Operations Important.

A marked expansion has taken place in the oil refining industry in Canada of recent years and in this illustration there is shown one of the newer plants, that of Shell Oil Company of Canada, Limited, at Montreal. It was opened in March, 1933, has a capacity of 5,000 barrels of crude oil per day and gives employment to over 100 people.

57

MEIGHEN PAPERS, Series 5 (H.C. 26, I, Volume 175)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA