

## CANADIAN PRODUCTION OF CEMENT.

The production of cement in Canada during the past few years, though all classed as Portland, has included an output of Puzzolan cement, made from blast furnace slag at Sydney, N.S., and a small production of "natural Portland," made at Babcock, Manitoba, 75 miles southwest of Winnipeg, on the Canadian Northern railway, according to the annual report of mineral production in Canada by John McLeish, B.A.

The total quantity of cement made in Canada during 1911, as per reports received from the manufactures, was 5,677,539 barrels of 350 pounds net each (993,569 tons), as compared with 4,396,282 barrels (769,349 tons) made in 1910—an increase of 1,281,257 barrels, or over 29 per cent.

The total quantity of Canadian Portland cement sold in 1911 was 5,692,915 barrels (996,260 tons), as compared with 4,753,975 barrels (831,946 tons) in 1910—an increase of 938,940 barrels, or nearly 20 per cent.

The total consumption of Portland cement in 1911, including Canadian and imported cement, was 6,354,831 barrels of 350 pounds net (1,112,095 tons) as compared with 5,103,285 barrels (893,075 tons) in 1910—or an increase of 1,251,546 barrels, or nearly 25 per cent.

The cement industry has been rapidly growing in importance, and its output is now exceeded in value amongst non-metallic products by coal and clay products only.

An average of 3,010 men were employed in 1911, the total wages paid being reported as \$2,103,838.

The increase in annual production since 1905 has been nearly four-fold. The production per capita in 1911 was about 278 pounds, as against only 79 pounds in 1905. The approximate consumption per capita has increased during the same period from 115 pounds to 310 pounds.

A similar rapid increase in both production and consumption has taken place in the United States, where the annual production now exceeds 75,000,000 barrels.

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## PERSONAL.

Mr. A. N. BEER has been appointed assistant water-works engineer of Ottawa, to succeed Mr. Storrie.

Mr. ALEXANDER LARIVIERE, who for some time has been connected with the Montreal Harbor Commission, recently resigned and has joined the staff of the Department of Roads, Province of Quebec.

J. T. HOWARD, B.A.Sc., has become associated with the F. W. Thorold Company, consulting engineers and contractors, as engineer. Mr. Howard is a graduate in structural engineering of the University of Toronto.

Mr. F. T. BOWRING, of Winnipeg, was a visitor at the office of *The Canadian Engineer* this week. Mr. Bowring is on an extended trip through the eastern provinces. He is a member of the municipal engineering firm of Bowring and Logan, Winnipeg.

W. CHASE THOMSON, M.Can. Soc., C.E., has opened an office in the new Birks Building, Montreal, as consulting engineer. Mr. Thomson will make a specialty of bridges and other steel structures. His experience in bridge and structural designing covers a period of twenty-three years, during which time he has spent three years with the King Bridge Company of Cleveland, Ohio; seventeen years with the Dominion Bridge Company, Limited, of Montreal; and the past three years as manager for Canada, with the Cleveland Bridge and Engineering Company, Limited, of Darlington,

England. Mr. Thomson has contributed several articles to the engineering journals and has written two books: "Bridge and Structural Design" and "The Design of Typical Steel Railway Bridges," both of which are extensively used, both in colleges and engineering offices, throughout Canada and the United States.

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## AMERICAN INSTITUTE OF CHEMICAL ENGINEERS.

The sixth semi-annual meeting was held at the Engineers' Club in Boston, Mass., June 25-28. Papers were presented on "The Power Plant," by Perry Barker, of Arthur D. Little, Inc.; "Relation of the Manufacturer to the Patent System," by Dr. W. M. Grosvenor; "Depreciation and Obsolescence," by R. K. Meade; "Legal Control of Dangers to Health in Factories," by Dr. C. F. McKenna; "Some Peculiar Functions of the Retained Expert," by Dr. W. M. Grosvenor, and other papers.

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## COMING MEETINGS.

THE INTERNATIONAL GEOLOGICAL CONGRESS.—The Twelfth Annual Meeting to be held in Canada during July and August. Opening day of the Toronto Session, Thursday, August 7th. Secretary, W. S. Lecky, Victoria Memorial Museum, Ottawa.

THE ROYAL ARCHITECTURAL INSTITUTE OF CANADA.—Sixth General Annual Assembly will be held at Calgary, Alberta, September 15th and 16th. President, J. H. G. Russell, Winnipeg, Man.; Hon. Secretary, J. W. H. Watts, R.C.A., Ottawa, Ontario.

CANADIAN PUBLIC HEALTH ASSOCIATION.—Annual Meeting in Regina, September 16, 17 and 18, General Secretary, Major Drum, Ottawa; Local Secretary, Dr. Murray, Regina.

AMERICAN ROAD CONGRESS.—Annual Session will be held in Detroit, Michigan, from September 29th to October 4th. Secretary, J. E. Pennybacker, Colorado Building, Washington, D.C.

AMERICAN SOCIETY OF MUNICIPAL IMPROVEMENTS.—Twentieth Annual Meeting to be held in Wilmington, Del., October 7th to 10th. Secretary, A. Prescott Folwell, 15 Union Square, New York.

UNITED STATES GOOD ROADS ASSOCIATION.—Convention will be held at St. Louis, Mo., November 10th to 15th. Secretary, J. A. Rountree, Lo21 Brown-Marx Building Birmingham, Ala.

AMERICAN ROAD BUILDERS' ASSOCIATION.—Tenth Annual Convention to be held in First Regiment Armory Building, Philadelphia, Pa., December 9th to 12th. Secretary, E. L. Powers, 150 Nassau Street, New York, N.Y.

NATIONAL ASSOCIATION OF CEMENT USERS.—Tenth Annual Convention to be held in Chicago, Ill., February 16th to 20th, 1914. Secretary, E. E. Krauss, Harrison Building, Philadelphia, Pa.

THE INTERNATIONAL ENGINEERING CONGRESS.—Convention will be held in San Francisco in connection with the International Exposition, 1915.

THE WESTERN CANADA IRRIGATION ASSOCIATION.—Meeting to be held at Lethbridge, Alberta, on August 5th and 6th, 1913. Secretary, Norman S. Rankin, Calgary, Alta