

to the surface of the water. At the Falcon river crossing, a pile foundation for 600 feet is to be constructed; and for 150 feet of this length it will be necessary to depress the aqueduct, so that its top will be low enough to permit the passage of water of the river and light-draft boats. The depressed portion will be reinforced with steel, and the concrete will be much thicker than under usual circumstances.

### PERSONAL.

Hon. Dr. J. O. REAUME, Minister of Public Works in the Ontario Cabinet, has resigned.

Hon. FINLAY G. MACDIARMID has succeeded Hon. Dr. Reaume as Minister of Public Works for the Province of Ontario.

R. O. WYNNE-ROBERTS, consulting engineer, Regina, Sask., is on a trip east, visiting Toronto, Ottawa, Montreal and New York.

Hon. W. H. HEARST, Minister of Lands Forests and Mines for the Province, has been chosen to succeed the late Sir James Whitney as Premier of Ontario.

E. L. HORWOOD, Ottawa, has been appointed chief architect of the Department of Public Works. Mr. David Ewart, who for about forty years has been acting in that capacity, will be consulting architect.

H. C. GROUT, St. John, N.B., has been appointed general superintendent of the Atlantic Division of the C.P.R., succeeding Mr. Wm. Downie, resigned. Mr. Groat has been in the company's service since 1898.

Hon. Sir ADAM BECK, chairman of the Hydro-Electric Power Commission of Ontario, has retired from the Ontario Cabinet. It is understood that his desire is to devote as much time as possible to the affairs of the Commission.

H. A. WOODS, of Montreal, is acting as chief engineer of the Grand Trunk Pacific Railway Co., at Winnipeg, since the resignation of Mr. B. B. Kelliher. (See *The Canadian Engineer*, Sept. 10th, 1914.) The directors have decided not to appoint a successor at present.

Hon. I. B. LUCAS, Provincial Treasurer of Ontario, has been appointed a member of the Hydro-Electric Power Commission of Ontario, to succeed Lieut.-Col. Hon. J. S. Hendrie, whose appointment to the Lieutenant-Governorship of the Province left a vacancy on the Hydro Board.

Dr. T. KENNARD THOMSON, consulting engineer, New York City, has been appointed by Gov. Glynn, of New York State, a member of the Atlantic Deeper Waterways Commission. This commission, of which Hon. J. Hampton Moore is President, has under investigation a system of canals to extend from Florida to Maine, with a total length of between seven and eight hundred miles and at a probable cost of \$35,000,000.

### CANADIAN SOCIETY OF CIVIL ENGINEERS.

The Council of the Canadian Society of Civil Engineers have announced that their fees for the year will be remitted to all members of the Society who have volunteered for service with the allied armies.

At its meeting on Sept. 9th the Council also resolved to establish a fund to be applied in aid of dependent members of families of Society members who have volunteered for active service in the army.

Premier McBride says that public works in the province will not be stopped, that construction will proceed on the railways in different sections, and that every effort will be made to sustain that confidence which has generally marked the people of British Columbia.

### IRRIGATION PUMPS FOR EGYPT.

Some particulars have been recently made public regarding the pumps which are being supplied from England in connection with the irrigation work now being carried out in the Behira district.

The pumps are of the Humphrey pattern, similar to those at the Metropolitan Water Board's reservoir at Chingford, but incorporating some novel ideas. The valves, for example, are of a unique design, which permits them to shut fairly close even when a large obstruction fouls the seating. The pumps will be eight in number, with a total capacity of 792,000,000 gallons per 24 hours, and the lift to be provided for is from 19 ft. to 20 ft. The maximum internal diameter of the combustion chamber will be 8 ft. 8 in., and it will be about 14 ft. in height. The water valve box, which will be 7 ft. in height, will be 8 ft. 8 in. in diameter.

The gas for the pumps will be produced by an anthracite Mond plant, gasifying 44 tons per day, the plant consisting of nine producers, one of which is a spare. The plant is being supplied under a guaranteed consumption of 1.15 lb. of coal per water horsepower.

### COMING MEETINGS.

MOTOR TRUCK CLUB OF AMERICA.—Annual Convention, Detroit, Mich., October 7th to 9th. President, George H. Duck, New York City.

GULF AND INTEROCEAN NATIONAL HIGHWAY ASSOCIATION.—October 8th, 9th, 10th; conference to be held at New Orleans, La. Secretary, Jno. B. Kent, Lake Charles, La.

INTERNATIONAL ASSOCIATION OF FIRE ENGINEERS.—Annual Convention, Grunewald Hotel, New Orleans, La. October 20th to 23rd. Secretary, Mr. McFall, Roanoke, Va.

ALABAMA GOOD ROADS ASSOCIATION.—Nineteenth Annual Convention will be held from October 21st to 23rd at Montgomery, Ala. Secretary, J. A. Rountree, 1021 Brown Marx Building, Birmingham, Ala.

NORTHWESTERN ROAD CONGRESS.—Annual Convention, to be held at Milwaukee, Wis., October 28th to 31st. Secretary, J. P. Keenan, Milwaukee.

AMERICAN SOCIETY OF MUNICIPAL IMPROVEMENTS.—Charles Carroll Brown, Secretary, Indianapolis, Ind. Meets at Somerset Hotel, Boston, Mass., October 21st, 22nd and 23rd.

AMERICAN HIGHWAYS ASSOCIATION.—Fourth American Road Congress to be held in Atlanta, Ga., November 9th to 13th, 1914. I. S. Pennybacker, Executive Secretary, and Chas. P. Light, Business Manager, Colorado Building, Washington, D.C.

WASHINGTON STATE GOOD ROADS ASSOCIATION.—Convention to be held at Spokane, Wash., November 18th, 19th, and 20th. Secretary, M. D. Lechey, Alaska Building, Seattle, Wash.

ANNUAL MEETING, AMERICAN SOCIETY OF MECHANICAL ENGINEERS.—The annual meeting of the American Society of Mechanical Engineers will be held in New York, December 1st to 4th, 1914. Secretary, Calvin W. Rice, 29 West 39th Street, New York.

AMERICAN ROAD BUILDERS' ASSOCIATION.—Eleventh Annual Convention; fifth American Good Roads Congress, and 6th Annual Exhibition of Machinery and Materials. International Amphitheatre, Chicago, Ill., December 14th to 18th, 1914. Secretary, E. L. Powers, 150 Nassau Street, New York, N.Y.