

the full length of the hull. On the trial a 45 ft. boat was used and a 37-h.p. gasoline engine was used to pump the water into the tube in which there is a number of valves. It is claimed that the compression of the water in being forced through the tube makes the vessel move. The inventor is J. Dudley. Those interested propose forming the Hydraulic Navigation Co.

A delegation composed of Hon. Richard Turner, Messrs. H. M. Price, J. T. Ross, Thomas Harling, J. G. Scott, and W. A. Kingsland, representing a proposed new steamship company, waited upon the Quebec Harbor Commissioners recently. This company, to be known as the Quebec Transportation Co., hope to establish a line of steamers with Great Britain; Quebec to be its terminal point in Canada. The vessels are to be owned and managed in Quebec, and are to form a fortnightly line from that port. To assist in the establishment of the line, the delegation ask that the company be exempt from all harbor dues, and be given the use of certain berths. The requests of the committee will be considered.

The steamer City of Collingwood was burned to the water's edge on June 19th, at the cost of the lives of four of the crew. Those burned to death were: James Meade, Prescott, fireman; Lyman Peters, Owen Sound, deck hand; A. McLellan, East Tawas, Mich., deck hand, and one deck hand not identified. The City of Collingwood was the flagship of the Georgian Bay division of the Northern Navigation Company, and was valued at \$125,000. She was built by John Simpson, in Owen Sound, in 1893. She was a wooden vessel, 213 feet long and 34 feet wide, and was insured for \$80,000. The Grand Trunk freight sheds were also destroyed, the loss being estimated at \$20,000.

The International Waterways Commission began its regular sessions in Toronto the second week in June, meeting two or three times in private conference. The Canadian Government has acceded to the United States' claim that the scope of the commission covers only those waterways whose natural outlet is the St. Lawrence, on the understanding that at the next session of Congress there will be special legislation for the purpose of widening the powers of the Commission to include the St. John river, on which there are difficulties requiring settlement. Among the problems that have come up for consideration by the Commissioners is the building of a dam at the outlet of Lake Erie, and the probable effects of such a work on the lower St. Lawrence levels. The Commission is now adjourned, to meet Montreal on July 7th. Sessions will later be held in Buffalo, Toledo, Detroit, Sault Ste. Marie, and other points along the Great Lakes. Public sittings will be held, which will be duly announced, where cases may be laid before the Commissioners by interested parties.



NEW INCORPORATIONS.

Dominion.—The Portland Mica Co., Ottawa, \$6,000; F. W. Webster, Boston, Mass.; J. F. Higginson, Buckingham; H. Allen, Ottawa; W. R. Taylor, and T. W. Symmes, Aylmer.

Ajax Metal Co., Montreal, \$50,000; G. M. Pyke, J. R. Meadowcroft, W. D. Hutchins, W. J. Henderson, and W. D. Garland, Montreal. To deal in metals and compositions of metals.

The Ottawa Cement Block Co., Ottawa, \$10,000; L. S. Macoun, J. D. LeMoine, G. S. May, R. Wright, and C. A. Irvin, Ottawa. To manufacture blocks of cement, concrete, and other material for building purposes, and to carry on the business of contractors for the construction of buildings.

The Model Building Stone Co., Montreal, \$20,000; J. Boddy, A. Valine, D. Loynachan, J. E. Wilder, Montreal, and J. M. Reid, Outremont. To deal in building and cement stone, artificial and composite stone, bricks, tiles and sewer pipes.

Laird Paton & Sons, Montreal, \$95,000; J. Paton, H. L. S. Paton, W. J. Thompson, J. Sutherland, Montreal, and G. A. Robertson, Westmount, Que. To take over the business carried on by Laird Paton & Sons, Montreal, also to deal in and repair yachts, boats, canoes, etc.

Kakabeka Power Co., Fort William, \$100,000; H. S. Holt, C. R. Hosmer, F. W. Thompson, H. W. Norton, Montreal; and F. H. Phippen, Winnipeg. To carry on the business of a power and electric heating and lighting company.

The Barnett-McQueen Co., Winnipeg, \$20,000; L. C. Barnett, Superior, Mich.; F. R. McQueen, R. C. Hanna, Minneapolis, Minn.; W. H. McWilliams, H. Sutherland, Winnipeg, Man. To carry on the business of mechanical and electrical engineers and contractors.

Shippers Cartage Co., Montreal, \$1,500,000; A. C. Casgrain, C. M. Cotton, S. J. LeHuray, K. J. Beardwood, and L. L. Legault, Montreal. To operate machine shops, blacksmith shops and factories for the manufacture of wagons, drays, automobiles, etc.

Ontario.—Eagle Lake Gold Mining Co., incorporated in Arizona, has been granted a charter to operate in Ontario.

The Chatham Steam Heating Co., Chatham, \$40,000; G. W. Kipp, E. Walen, Tonawanda, Pa.; J. T. O'Keefe, W. N. Warburton, and N. H. Stevens, Chatham. To operate works for the production of steam, hot air, or water for the purposes of power and heating, also to distribute electricity or natural gas for similar purposes.

Temagami Navigation Co., Toronto; \$50,000; J. E. Russel, S. Hall, J. M. Sinclair, J. J. Main, A. H. Jeffrey, Toronto. To establish lines of steamers and build wharves, piers, docks, etc.

Russel Elevator Co., Toronto, \$20,000; J. Russel, A. Russel, E. Marshall, C. Q. Parker, and A. T. Struthers, Toronto. To manufacture elevator and hoisting machinery.

Toronto Construction Co. Toronto, \$200,000; G. S. Deeks, A. B. Cook, Toronto; W. Winters, Spokane, Wash.; H. H. Boomer, and T. R. Hinds, Butte, Montana. To carry on business as contractors for railways, canals, bridges, docks, etc.

Doolittle & Wilcox, Hamilton, \$100,000; C. M. Doolittle, H. W. Wilcox, W. Doolittle, Hamilton; F. W. Schwendiman, and M. W. Schwendiman, Tp. Barton, Ont. To carry on business as quarrymen, miners, etc., and to enter into contracts for the construction of roads, bridges, etc.

The Port Rowan Natural Gas Co., Port Rowan, \$40,000; C. S. Killmaster, J. L. Buck, W. O. Franklin, F. H. Pearsall, J. Hanson, and E. Meek. To drill for and sell natural gas for purposes of heat, light and power.

MacDonald Engineering Co., incorporated in Illinois, to construct elevators, warehouses, power plants, etc., has been incorporated in Ontario, to use not more than \$50,000 capital. W. H. Adamson, Toronto, attorney.

New York Oil Co., incorporated in Arizona, U.S., has been granted a charter to operate in Ontario, provided not more than \$1,000,000 capital is used.

Crescent Oil and Gas Co., incorporated in Arizona, has been granted power to use \$1,000,000 capital for operations in Ontario.

The Welch Manufacturing Co., Toronto, \$40,000; A. H. Welch, A. J. Welch, A. Welch, L. M. Welch, and E. G. Welch, Toronto. To deal in gold, silver, and precious stones and metals of all kinds, to operate mines containing metals or precious stones, and maintain establishments for grinding and polishing the same.

Manitoba.—Russel Telephone Co., \$5,000; A. G. P. Smellie, W. J. Doig, J. J. Moon, T. A. Wright, and A. Tingley, Russel. Operations to be carried on within the municipalities of Russel, Silver Creek, Boulton and Schell River.

Melita-Arthur Telephone Co., Melita, \$10,000; D. Day, F. C. Coulter, J. V. Collard, A. Gould, J. F. Atkinson, M. S. Shantz, Arthur; J. W. Hunt, Lyleton; and W. J. S. Atkinson, Melita. To do business in the village of Melita and municipality of Arthur.

British Columbia.—Salmon River Placer Mining Co., \$40,000.

Boundary Iron Works, \$25,000; to manufacture machinery, tools, and carry on business as founders.

The William Ralph Co., \$50,000; to carry on business as sanitary, lighting, heating, and electrical engineers and contractors.

Laclede Mining Co., \$150,000.

The Pollock Mines Co., \$1,000,000; to purchase and carry on business in "Maple Leaf," "Pine Knot," "Daisy," "Martin," and "Minnehaha," mineral claims in Yale, B.C.



—The Krupp Company, at Essen, Germany, is turning out field pieces made of paper. They have half the lightness of forged steel, but will endure an equal strain. They are mounted on light carriages to be drawn by infantry.