

AMONG THE MANUFACTURERS

A department for the benefit of all readers to contain news from the manufacturer and inventor to the profession.

GROWTH OF THE GAS ENGINE.

A recent example of the growing popularity of the Suction Producer Gas Engine is found at Blackwood's Brewery, Winnipeg, where a Paxman Gas Engine is replacing a Corliss steam engine.

The engine is of 50 horse-power and is to drive the compressor of the refrigerator plant. It is designed to run on anthracite coal, and on the makers guarantee, a very considerable reduction of the working expenses will result.

As the plant is the first of its kind, installed in Winnipeg, its operation will be watched with considerable interest, by power users.

The engine is made by the well-known firm of Davey, Paxman & Company, of Colchester, England, and is supplied through their Canadian agents, The Brydges Engineering & Supply Company, Limited, Winnipeg.

The plant will be in operation by the end of February, and no doubt many Western manufacturers will take advantage of the opportunity of seeing at work, what is claimed to be the cheapest form of motive power.

Situated on the banks of the Red River facing Rosser Avenue, the brewery occupies an area of ten acres. Not only is the plant an extensive one, but it is up-to-date, and first-class in every respect, and equipped with the latest and most approved machinery and appliances for the manufacture of pure beer.

To carry out the company's intention of providing only the best beverage, they have erected a strictly modern building, with every fire-proof appliance which could be obtained. The building is built of brick and iron throughout, with concrete floors, and occupies a large ground floor space, with three stories and tower, the whole combining to make one of the most commanding structures on the banks of the Red River.

PERSONAL.

MR. J. T. CHILD, formerly consulting engineer, Calgary, Alta., has been appointed city engineer for that municipality.

MR. E. A. TURNER, of Montreal, has been appointed local manager of the Montreal Transportation Company at Kingston.

DR. EUGENE HAANEL, Director of Mines, Ottawa, has returned from an important visit to Sweden, where he has been inspecting a new electric smelting process.

MESSRS. ALLAN FINDLAY and Samuel E. McCall, of Winnipeg, have been granted commissions as Manitoba Land Surveyors.

MR. E. W. HUBBELL, D.L.S., Ottawa, has been appointed special examiner of candidates to be articulated pupils and for commissions as Dominion Land Surveyors.

PRESIDENT ELLIOT, of the Northern Pacific, and L. P. Gilman, assistant to the president of the Great Northern, were in Vancouver last week to confer with the city authorities concerning the location of joint terminals on False Creek, in the east end of the city.

MR. ROLAND YEATES, of the London Machine Tool Company, and Mr. Rudel, formerly of the Canadian Fairbanks Company, Ltd., have formed a partnership. Both men have a wide experience in machinery lines, and they intend handling a full line of tools.

MR. W. F. DEAN, mill engineer and architect, Boston, Mass., is acting for the City of Baltimore, Md., in the matter of valuation of plant and property of the Warren Manufacturing Company, Warren, Md., in which are concerned some interesting questions as to the value of an old water power

A COMBINATION PUMP.

The introduction of a new combination pump into the many systems of heating both by live and exhaust steam, has been followed by gratifying results. The economic and simple features are generally recognized. The pump is a vacuum and boiler feed combined in one, and driven as an ordinary duplex steam pump, each having its own suction and discharge separate. The purpose for which it was designed, was to be used in connection with steam heating systems, especially where the ordinary gravity low pressure systems are installed, whereby a simple alteration of piping and with one of these pumps can be converted into a vacuum heating system, giving much better results, a more even heat absolutely noiseless, and a reduction in the consumption of fuel. With double combination vacuum pumps a heating system can be compounded by dividing it into two sections, and the condensation from the first being pumped into the second is again flashed into steam, by using a higher vacuum, which again condenses and is then pumped back to the boiler, or atmosphere. A number of these pumps connected to heating systems have been installed, and are operating both live and exhaust steam, which are giving good results. They can also be used on double and triple effects, in laundries, confectioneries, distilleries, breweries, etc. Also as air and circular pumps for surface condensers. The Canada Steam Pump and Machine Company, Limited, 97 Richmond Street East, Toronto, are the makers who have applied for the patent.

CATALOGUE RECEIVED.

Oil Switches and Circuit-Breakers are listed in Bulletin No. 4 of the Kelman Electric & Manufacturing Company, 194 Lefferts Place, Brooklyn, N.Y., which also contains interesting descriptions of high voltage oil circuit-breakers and an electrically operated oil switch.

with supplementary steam power as compared with that of a modern steam plant for the development of all power.

OBITUARY.

MR. NORMAN F. PEDLEY, of Montreal, Stud. Mem. Can. Soc. C.E., who was employed as a surveyor by the Illinois Traction System, died at Springfield, Ill., January 18th, 1909. His death was the result of his being struck by a train several days before on the Chicago & Alton tracks five miles south of Springfield. Mr. Pedley was a graduate of McGill University and was about 24 years old.

MR. J. G. McGRATH, C.E., one of the engineers in charge of the construction of the Victoria Bridge, Montreal, died in London, Eng., January 11th, 1909. Mr. McGrath was born in England and returned there after over thirty years spent in Canada. He was also connected with the work upon the Intercolonial and Northern Railway, being associated with Messrs. Peto and Brassey in this work, as well as other important undertakings in this country. In 1861, at the time of the Trent affair, Mr. McGrath and others raised an engineer corps, which later became the present Royal Grenadiers. He also volunteered for service with the Queen's Own Rifles of Toronto in the Fenian Raid, and was at the time of his death a member of the Toronto Veterans' Association of 1866. In the Crimean War times he held a commission in the army and saw active service around Sebastopol. On returning to England in 1855 he was engaged on the construction of the Manchester ship canal, and later on the Buenos Ayres docks. He retired from active life about ten years ago.