

INDUSTRIAL PUBLICATIONS.

The publishers of *The Canadian Manufacturer* solicit in advance, if possible, catalogues, circulars, and other industrial publications issued by manufacturers. We wish to review such literature, and bring the principal points to the attention of our readers.

We have from the British Foreign Office, London, Diplomatic and Consular Reports as follows: United States—Trade of Consular District of New Orleans; Germany—Prussian estimates for 1904-'05. Trade of Grand Duchy of Baden; Spain—Trade of Consular District of Cadiz; Austro-Hungary—General trade of; Russia—Trade of Consular District of Moscow; China—Trade of Ichang.

The Ontario Government have published a return asked for at the last session of the legislature showing the number of reproductive undertakings, such as water works, electric lighting plants, gas works, and other utilities operated by the various municipalities throughout Ontario, and also showing the rates charged consumers for water, gas, and electric lighting. The return is unusually complete, and it requires 45 pages of closely printed matter to furnish the information asked for.

Referring to the Toronto water works system, the return states that the total capital invested in it, exclusive of borrowed capital, provided by the corporation, is \$4,171,151.54. Of this \$3,895,094.32 is borrowed capital. The amount of capital borrowed which has been paid off is \$190,000. The average annual working expenses of the water works is \$181,542.46.

The following information in connection with municipal ownership is also furnished in the return:

The City of Stratford has recently taken over the water works system.

The town of Gravenhurst has purchased an electric lighting plant.

The town of Hawkesbury is constructing water works.

The town of Palmerston is purchasing an electric lighting system.

The town of Strathroy has purchased water works and an electric lighting plant.

The town of Listowel has maintained a water works system for fire protection purposes only, respecting which no figures have been supplied.

The village of Port Perry is constructing water works and an electric lighting plant.

The village of Southampton is constructing water works.

The village of Alvinton maintains a water works system for fire protection purposes only, the power for the same being furnished by the Grand Trunk Railway at the rate of \$1 per hour.

The sixteenth annual reports of the inspectors of factories for Ontario has been issued. The inspector of the western district, Mr. James T. Burke, in his report states that the "industrial and commercial conditions were very satisfactory, and the year 1903 may be termed a bright one for our province. It was thought that the year 1902 was remarkable on account of the nature and extent of the commercial progress which was then apparent, but the succeeding twelve-month was far ahead of it, as it carried with it large investments of capital and exceptionally good and remunerative agricultural yields, together with a large output from various factories, and both skilled and unskilled labor shared in the general prosperity."

The Lawrie Engine Co., Montreal, have issued folders on feed water heaters and on hangers and couplings.

Bristol's Recording Pressure and Vacuum Gauges are fully described and illustrated in a handsome catalogue just issued by the Bristol Co., Waterbury, Conn. The catalogue is revised to July 1, 1904, and cancels all previous catalogues and lists.

Anthracene Chrome Blue G. & B. B. are shown in an artistic sample book now being mailed by the Cassella Color Co., New York and Montreal.

Among the recent publications issued by Sheldon & Sheldon, Galt, Ont., is an illustrated catalogue and price list of steel plate planing mill exhausters, shaving separators and blast gates.

Jeffrey water elevators are described and illustrated in a booklet just published and which can be obtained from the A. R. Williams Machinery Co., Toronto, Canadian agents for the Jeffrey Mfg. Co.

The 1904 catalogue and price list of the Cleveland Twist Drill Co., Cleveland, Ohio, recently issued, is one of the most complete of the kind and should be in the hands of all users of this line of tools.

Under the title of "Westinghouse Industries" the Westinghouse interests have issued a handsome booklet exemplifying the exhibits of these interests at the Louisiana Purchase Exposition. Considerable space is given to the Canadian Westinghouse Co., and a cut of the Hamilton plant as it will appear when additions now under way are completed. The booklet is for distribution at the Exposition.

We are in receipt of the monthly report for April, 1904, of the Department of Trade and Commerce, which contains many valuable articles regarding the progress of Canada, statistical tables, tariff changes, reports of commercial agencies abroad, and other general commercial information, also unrevised monthly statement of imports entered for consumption and exports for May 1904 and the preceding eleven months, published by the Dominion Customs Department, also correspondence respecting the Alaska Boundary, together with the award of the Alaska Boundary Tribunal, a sessional paper printed by order of parliament.

Eighth Annual Report of Mr. A. W. Campbell, Commissioner of Highways of Ontario, respecting road improvements in this province.

The Ontario Government have sent us as follows:—"Reproductive Undertakings of Ontario Municipalities" a brochure published by order of the Legislative Assembly. It relates to reproductive undertakings operated by municipalities

in Ontario respecting waterworks, electric lighting plants, gas works and other utilities, also rates charged the consumers of water, gas and electric lighting. The report is similar to that ordered by the British House of Commons in 1902.

Sixteenth Annual Reports of the inspectors of Factories for the Province of Ontario. This report contains much matter of interest to all manufacturing and industrial establishments in the province.

The pneumatic tool department of the Ingersoll-Sergeant Drill Co., New York, have issued an attractive pamphlet containing a full description and excellent illustration of the construction of the Haeseler "Axial Valve" Hammers. Interesting reference is also made as to the scope of a recent decision of the Supreme Court bearing on patented features of pneumatic hammer handles.

There has been during the past few years a steadily-increasing application of concrete steel to engineering work. A pioneer in this field of engineering was Ernest L. Ransome, and to-day the Ransome System is extensively used in important construction work in all parts of the world. Concrete steel construction is based upon the principles of so combining the steel with concrete that the full compressive strength of the concrete can be utilized, and this is effectively accomplished by the use of the twisted bar. The Ransome Concrete Machinery Co., 11 Broadway, New York, are issuing a booklet which gives important facts and figures and formulas regarding the Ransome system that will greatly interest architects, contractors and others.

The Mexican Permanent Exposition Co. have been organized, secured a government concession, and are erecting extensive exposition buildings, which will be ready for occupancy in October. It is the intention of the company to maintain a permanent exhibit in the City of Mexico, of such products of other countries as are best adapted to Mexican uses. J. Landero Y Cos is president, and E. Hegewisch is secretary.

The National Machinery Co., Tiffin, Ohio, manufacturers of bolt and nut machinery, forging and bending machines, wire, nail, spike and special machinery, have issued a new catalogue and price list, which is one of the most artistic of the kind ever published. The catalogue contains 170 pages, and in it is illustrated and described complete lines of the above mentioned machinery. Copies of the catalogue can be obtained from the company or from their Canadian agents, the A. R. Williams Machinery Co., Toronto.

The D. VanNostrand Co., 23 Murray St., New York, have sent us a copy of the ninth edition of Mr. F. A. Halsey's "Slide Valve Gears," being an explanation of the action and construction of plain and cut off slide valves. The different parts of the book have reference to the slide valve, with fixed eccentric; with shifting and swinging eccentric; with independent cut-off, and with link motion. Price \$1.50.