to \$42.80. Lubricating oil, cylinder, 35c. per gallon, McColl Bros. & Co.; engine, 25c. per gallon, Queen City Oil Company. Wire nails, Thomas Meredith, pany. Wire 1 \$2.53 per cwt.

BIDS.

TORONTO, ONT. — The following tenders were received for installation of cold storage plant in St. Lawrence Market: De La Vergne Co., New York, \$30,600; Linde British Refrigerator Co., Montreal, \$41,200; Triumph Ice Machine Co., Cincinnatti, \$13,495; York Mfg. Co., York, Penn., \$19,000. The city engineer will report on the tenders.

BUSINESS NOTES.

The assets of D. Houle, contractor, Montreal, are to be sold.

A meeting of the creditors of Greenleaf & Doring, contractors, Winds Mills, Que., was held on the 13th inst. Windsor

The Canadian Firestop Manufacturing Co., manufacturers of fire proof articles, has been incorporated in Montreal.

The new foundry and machine shop which the Gurney Foundry Company are erecting at Toronto Junction is expected to be ready for occupation early in February.

Darling Bros., of Montreal, are opening a branch at 2 Toronto street, Toronto, under the management of Richard Dawson. This firm controls the Webster system of steam heating in Canada and are dealers also in electric, hydraulic, power and hand elevators.

COMPUTATION OF THE STABILITY OF HIGH CHIMNEYS.

Recently the Prussian Minister of Public Works has acted on a recommendation of the Prussian Building Academy and has issued a set of regulations governing the design of high chimneys. As reported by the "Deutsche Bauzeitung," these regulations are essentially as follows:

The regulations generally prescribe an assumed wind pressure of about 26 pounds per square foot on a plain perpendicular to the direction of the wind. Any possible suction on the leeward side is assumed to be included in this pressure. The wind area of the chimney is taken to be its vertical section, and if the chimney is polygonal, its greatest diametral section is to be used. The point of application of the resultant of the wind pressure is to be assumed to coincide with the center of gravity of the section, which is equivalent to assuming a uniform distribution of the wind pressure over the full height of the chimney. For circular chimneys the total wind pressure area is to be reduced to two-thirds, and for octagonal chimneys to (Continued on page 6.)

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