PUBLICATIONS

In writing for any of the following publications, readers are requested to mention THE CANADIAN MINING JOURNAL.

Catalogue No. 3, of the Montreal Steel Works Limited, is a handsomely printed and bound work, designed to facilitate the ordering of springs, steel castings, switch material and other articles manufactured by the company.

A. O. Norton & Company, of Boston, Mass., and Coaticook, Que., are sending out a neat and instructive catalogue of their ball-bearing jacks.

"Suuction Gas Plants" is the subject matter of a pamphlet issued by the Economic Power, Light & Heat Supply Company, of Toronto, Ont.

The Canadian Westinghouse Company have adopted the "loose leaf" system to their distribution of catalogues. Their customers are supplied with serviceable binders and the catalogue is forwarded on the installment plan as monthly circulars, in which are described the new lines manufactured by the company.

Bulletin 22, being instructions for erecting and running the No. 5 Wilfley concentrator, is being sent out by Mussens Limited.

We would acknowledge the receipt of three handsome and instructive catalogues from the Chrome Steel Works, Chrome, N.J., dealing respectively with (1) Chrome steel stamp mill wearing parts, (2) rolled shells and rings, (3) Canda tempered steel jaw plate.

Messrs. Sheldon & Sheldon, Galt, Ont., manufacturers of drying, heating and ventilating appliances, forge and cupola blowers, exhausters, etc., have adopted the plan of issuing tehir catalogues in sections. These booklets, which are perfect gems of the printer's art, are more than mere catalogues. They are, indeed, text-books on the subject mechanical draft in all its forms. Copies will be sent on application to interested parties.

An exhaustive catalogue, illustrative of the use of the Davis-Calyx diamondless core drill, is number K53 of the Canadian Rand Company Limited, Montreal.

Proper methods for thawing dynamite are explained in a neat booklet published by the Dupont Company, selling agents for the McBeth Fuse Works, Pompton Lakes, N.J. The same people are sending out an instructive folder on exploders and batteries.

"Mine Cages, Skips and Ore Cars" is the title of Circular No. CA-3, a handsomely gotten up booklet, issued by the Wellman-Seaver-Morgan Company, Cleveland, Ohio.

A rather exhaustive treatise, of nearly a hundred pages, copiously illustrated, has been issued by the Standard Diamond Drill Company, of Chicago, covering the history, development and use of the diamond drill.

A handbook and illustrated catalogue of engineers' and surveyors' instruments of precision has been received from C. L. Berger & Sons, Boston, Mass. It is a book of some two hundred pages, and full of useful information in regard to the use of all sorts of delicate scientific and engineering instruments.

The Peabody Coal Company, Chicago, have published a most complete atlas of the shipping mines and coal railroads of the central commercial district of the United States, accompanied by valuable chemical, geological and engineering data. The atlas is 16 3-4 inches by 18 inches in size, 149 pages, is serviceably bound in handsome green cloth covered board, and is printed on paper of excellent quality. The atlas was compiled by A. Bement, and is published at $5.00.

MARKET REPORTS

London, week ending March 23rd.—Copper—The market is still unsettled, but a fresh buying movement is expected. Tough is quoted at £115 10s. Electrolytic at £117 10s. to £119.

Tin.—Large transactions and pronounced movements in values in this market. English ingot tin is quoted at £190.

Lead—After a weak opening, this metal recovered all lost ground; £19 15s. to £20.

Spelter has improved to £26 10s.

Iron and Steel—This market is in good shape. Cleveland iron is quoted at 54s. 5d.

Antimony—£98 to £100.

Quicksilver—£7 per bottle.

Silver—30 7-8d. spot and 30 5-8d. forward. Fine silver, 33 5-16d. spot, and 33 1-16d. forward.

New York, March 27th.—Lake Copper—Per lb., 25 1-2 cents.

Electrolytic Copper—Per lb., 25 cents.

Silver—Per oz., 66 3-8 cents.

Tin—Per lb., 40 1-4 cents.

Lead—Per lb., 6 cents.

Spelter—Per lb., 6 8-10 cents.

INDUSTRIAL NOTE

The Cleveland-Cliffs Iron Company has placed an order for a 60-drill Sullivan air compressor for its new Maas Mine at Negaunee. Michigan. The machine will be of the Corliss-Cross compound condensing two stage type, with large receiver intercooler. The steam cylinders will be 24 x 46 inches in diameter, with a 48-inch stroke, and the air cylinders 40 x 24 x 48 inches, with a displacement capacity of 4,000 cubic feet of free air per minute at 60 R.P.M., or nearly 5,000 feet at 70 R.P.M. The compressor will be built at the Chicago works of the Sullivan Machinery Company.

COBALT ORE STATEMENT

Period—March 25th, 1907, to March 30th, 1907. Coniagas Mine shipped to American Smelting & Refining Company, Perth Amboy, N. J., 65,070 lbs.; Nipissing Mine shipped to Nipissing Mining Company, New York, 42,200 lbs.; O'Brien Mine shipped to Canadian Copper Company, Copper Cliff, 81,860 lbs.; Cobalt Townsite Mine shipped to Canadian Copper Company, Copper cliff' 43,000 lbs.; Trethewey Mine shipped to American Smelting & Refining ompany, Per Amboy, N.J., 60,090 lbs.; Trethewey Mine shipped to American Smelting & Refining Company, Perth Amboy, N.J., 41,560 lbs.; O'Brien Mine shipped to American Smelting & Refining Company, Perth Amboy, N.J., 64,130 lbs.; Right of Way Mine shipped to Anglo-French Nickel Company, Swansea, South Wales, England, 3,800 lbs.; Nipissing Mine shipped to Nipissing Mining Company, New York, 75,520 lbs.

TAILINGS

The great English-French-German technical dictionary, begun in 1901 under the auspices of the Society of German Engineers, is nearing completion, and printing is to begin early in 1907. Over 3,000,000 word cards have been collected. Dr. Hubert Jansen, of Berlin, is editor, and about 2,000 firms and individuals in Germany and elsewhere are assisting in compilation.

While the electric furnace cannot compete with other processes in the general production of iron and steel, Dr. R. S. Hutton, the British metallurgist, finds that it may be used to advantage where water power is cheap, and that it has a fairly clear field in the manufacture of iron alloys not easily made in the blast furnace. Many electric plants have been established in Savoy and Isere, in the south of France, the furnaces ranging from 200 to 2,000 horse-power. At Grenoble five furnaces of 1,200 horse-power and four of 2,000 horse-power are used to produce ferro-silicon, ferro-chomium, silico-spiegels of varying composition, and manganese-silicon, and the output is between 7,000 and 8,000 tons a year. The Giraud works, soon to be enlarged, now have an output of about $1,700,000 per year from furnaces of 18,000 horse-power. The product is 5,000 tons of ferro-sicilon of 50 per cent. and 1,000 tons of 30 per cent., 2,000 tons of ferro-chromium, 900 tons of ferro-tungsten, 50 tons of ferro-molybdenum, and 10 tons of ferro-vanadium.

One of the largest blowers ever built in Canada is being built by Sheldons Limited, of Galt, for the Diamond Coal Company of Calgary, for ventilating their mines near Lethbridge.

The blower, which is all of steel, will stand, including foundation work, 27 feet high. It will weigh 14,000 pounds, and will deliver 156,000 cubic feet of air per minute under a pressure of one ounce per square inch. The wheel is 16 feet in diameter and 6 feet wide, and will be driven by a 75 horse-power Westinghouse motor, and, under full load, will make 105 revolutions per minute.

Extra heavy steel is used in the construction of this blower, and it is provided with steel doors and ducts, and can be used either as a blower or an exhauster.

The blower is to be delivered in September.