

MESSRS. R. L. FETHERSTONHAUGH & Co., 19 Board of Trade Building, Toronto, made a very successful exhibition of the Household fire extinguisher, for which they are agents, a few days ago. A wooden building, 18 by 12 feet, was constructed and filled with inflammable materials, over which a quantity of coal oil was poured. Fire was applied, and when the blaze was at its fiercest Mr. Fetherstonhaugh completely extinguished it in less than a minute. A similar structure was erected near the one above spoken of, the intention being to test the merits of another extinguisher at the same exhibition, but the apparatus didn't seem to operate, and the building would have been entirely consumed if Mr. Fetherstonhaugh, at the request of the fire chief, had not quickly subdued the flames with the Household.

MESSRS. BELDING, PAUL & Co., Montreal, manufacturers of sewing silks and all threads for manufacturing purposes, speaking of the Canadian silk industry, say that the great difficulty to be contended with is the low grade of goods required. In nothing is this more apparent than in the comparatively small article of sewing silks. The great demand in Canada seems to be for cheap quality, buyers forgetting that a cheap thread must necessarily be a fine and consequently a weak one. This firm make three grades of spool silk, and of these different qualities the poorest one has by far the largest sale, while at the same time they constantly hear of complaints of poor sewing silk. If purchasers will take the trouble to ask for Belding, Paul & Co.'s make they will be sure of getting a superior article, and just what they want.

WORK at Illicilleweat mines is being pushed with energy, and exceptional evidences of prosperity are evident. Messrs. G. B. Wright & Co. have over half a hundred men at work mining, and many more engaged in building trails through their mines. The mines are situated about three miles from Illicilleweat station, and about 5,000 feet above the C.P.R. track. The ore mined is chiefly silver and is very rich, some samples assaying \$2,000 to the ton; \$700 to the ton is said to be the average assay. Mules are used to pack the ore down the mountain, but Messrs. Wright & Co. propose shortly putting in a wire cable road or cars at an early date. The C.P.R. Company have put in a siding to the foot of the mines and ore is being shipped daily. The crushing and other machinery recently introduced is being worked, and things are booming generally.—*Victoria (B.C.) Standard.*

MESSRS. COWAN & Co., iron foundry, Galt, Ont., proprietors of the Galt Foundry, Engine and Machine Works, and manufacturers of all kinds of woodworking machinery with all the latest improvements, steam engines, Harris-Corliss engines, slide-valve engines, etc., have sent us their 1887-88 price list, the reference to their woodworking machinery being very extensive and comprehensive, embracing about every modern and useful machine used in the woodworking industry. A table is given embracing descriptions of the different sizes of steam engines made by this concern, and their capacities in horse power, embracing both Harris Corliss and slide valve engines; and the information is also given that boilers of the required size or horse power are supplied to suit purchasers, the finish and workmanship of which are first-class, the best mechanical skill and experience being employed in their construction.

MR. CHARLES M. GREEN, now at 53 Richmond street east, Toronto, finding his present place of business too small, has obtained the three-story and basement building on Bay street, near Front, 102 feet deep and 35 feet wide, which is being fitted for his occupancy, and which will be ready for him early in October. In addition to his present plant he will introduce a full equipment of metal spinning and other machinery, and will give employment to about 100 hands. Mr. Green succeeded to the Toronto Light Lamp Manufacturing Co. last October, at which time he employed only five hands—at this time he employs some 40 hands. His products embrace stove urns and ornaments, stove knobs, hinge pins, foot rails, etc., carriage lamps, rim bands and carriage hardware, Light King, Wizard, and Matthews' student lamps, kerosene burners, fancy brass goods, door knobs, bell pulls, etc. There will be a fine display of these goods at the Dominion and Industrial Exhibition.

MR. S. D. RANDALL, of Bothwell, on Friday last, took from the Wagon Works fourteen farm wagons fastened one behind the other by the tongue and drawn by three spans of horses. He finds it much cheaper to haul them to Bothwell by horses than to ship them by rail. Mr. Randall has purchased of the Chatham Manufacturing Company, since spring, sixty wagons and found sale for them all. It is estimated that if every twenty square miles of Ontario no better settled than the territory worked by Mr. Randall was as well worked as is less than this much territory by him, our wagon

works would be compelled to increase its capacity very materially to supply the demand for Ontario alone. It speaks well for the Chatham wagon that, just as sure as one can be introduced into a settlement, the whole settlement goes in for them. Mr. Randall said at starting in the spring he intended making \$1,000 by selling Chatham wagons this season, and he says the prospects are good of doing so.—*Chatham Planet.*

THE Lawrence Machine Company, of Lawrence, Mass., have just been awarded the contract for one of the largest pumping plants ever planned in this country. The plant is for the city of Montreal, P.Q., and consists of four centrifugal pumps, each with a discharging opening of 24 inches diameter, and capable of handling 18,000 gallons of water per minute, and four similar pumps of 15 inches discharge opening, with a capacity of 7,000 gallons per minute. Thus the four 24-inch pumps have a combined capacity of 72,000 gallons per minute, 4,320,000 gallons per hour, 103,680,000 gallons, or 386,000 tons of water per day of 24 hours, and the four 15-inch have a combined capacity of 28,000 gallons per minute, or 1,680,000 gallons per hour. These pumps are contracted for by the Inundation Committee of Montreal, and are designed to pump the sewage of the city over the walls and dykes now in process of erection, to protect the lower portions of the city from the annual inundation caused by the floods and ice gorges of the St. Lawrence river. *American Manufacturer.*

MESSRS. CLARE BROS. & Co., Preston, Ont., have sent us their new descriptive catalogue of stoves, ranges, hot-air furnaces, agricultural furnaces, hollow-ware, registers, etc., manufactured by them. In the introduction to the catalogue they call attention to the large number of new lines of patterns which they have added to their assortment, most of which are new in principle and construction, and not before offered to the trade. Mention is made of extensive additions having been made by the firm to their buildings and machinery, rendering their facilities for manufacturing unsurpassed; and that being favorably situated as a shipping point, and their stock and capacity large, they can forward goods promptly. The goods illustrated are the Marvel range, for coal or wood in four sizes and every desirable variety of style, the fire box being so arranged that either wood or coal may be burned, as desired; the Perfect reservoir range, a most artistic and attractive article, in similar sizes and styles as the Marvel; Fame, wood or coal cook; Grand Perfect, cook, for wood; Acorn, Diamond, Kremlin, Consort, Maple Leaf, New Republic, and Tribunal, all excellent cooks of various styles; Prize Gem, a parlor heating cook; Harvard, a cottage heater; Cone Disc, a powerful heating cannon stove; and Fancy, Sunflower, and Fire King, attractive box heaters. A full line of agricultural furnaces, stoves, hollow-ware, etc., are also shown, as well as the Hilborn wood furnace, made in eight sizes; the Waterloo self feeding coal furnace; the Pleasant Home furnace with low radiator, and a number of elegant hot-air registers. The catalogue embraces some 60 pp., the artistic and mechanical execution of which is equal to any similar thing in the trade. Accompanying the catalogue is a wholesale price list of convenient size, for the information of dealers.

SUPERINTENDENTS COTTON, WOOL AND WORSTED MILLS.

The Third edition of "THE RED BOOK" is ready. Get a copy of it and save money in buying your supplies. It places you in direct communication with first hands, thereby securing the advantages to be gained by *com petite prices*. Anything from a Ring Traveler to a Loom, Acetic Acid to Zinc Dust, Yarns of all kinds, Shoddy, Flocks, Cotton Buyers, Wool, New Devices, and Steam Appliances—in fact, everything needed for Cotton, Woolen and Worsted Mills, classified and indexed, compact and reliable. It also contains Yarn Tables, Cotton and Wool Products, and amounts used each year from 1841 to date by Northern and Southern Mills, Exports, Statistics, Receipts and information of considerable value to mill men. Sent post-paid on receipt of price in cash or stamps (U.S. or Canadian).

ONE DOLLAR, Cloth. FIFTY CENTS, Paper.

ADDRESS—

J. E. PALMER, Publisher,
176 BROADWAY, NEW YORK.