

THE WAY PLATE GLASS IS MADE.

To cast, roll, polish and burnish plate glass requires machinery of a peculiar construction, and a "plant" that is costly by reason of its complex nature. The pouring of liquid glass from the furnace upon the cast-iron plates, and the subsequent rolling, are processes comparatively simple. Any housekeeper who has used a rolling-pin on a batch of pie-crust dough performs an operation very similar to this stage of plate-glass making. It is the succeeding processes of grinding and polishing and final burnishing that require the time and costly mechanism. After leaving the rolls and bed-plate the glass is rippled and rough, and only fit for grating and skylights. Each must be transferred to machines that resemble the turntables of a railway. On that revolving platform the glass is cemented in a bed of plaster of Paris and the machine started. Bearing heavily on the surface, of the glass are blocks of metal, and while in motion the surfaces are supplied with sharp sand and a constant stream of water. The next stage of the glass grinding process is the same as to machinery, but instead of sand coarse emery is used. The finer emery is used in another revolving table, and so on for half a dozen times. The final polishing is done by heavy reciprocating devices, fed with rouge, and maintaining a constant backward and forward motion, and also lateral movement over the surface of the crystal. All this requires the assistance of a large force of men, many of them skilled laborers. After going through these different grindings and polishings the plate that measured an inch in thickness is only three-fourths of an inch thick, has lost its roughness, and is ready for the show window of the purchaser.

Commercial.

BRITISH MARKETS.

LONDON, July 9.—*Beerbohm Reports*.—Floating cargoes—Wheat declined about 3 to 6 pence; maize none offering. Cargoes on passage—Wheat and maize, rather easier. Mark Lane—Wheat and maize, inactive; good cargoes No. 1 California off the coast was 37s to 37s 3d; good cargoes Red Winter Wheat off the coast, 37s to 37s 6d, was 37s 6d to 38s. *London*—Good shipping No. 1 California wheat, just shipped, &c., 39s 6d, was 40s; do., nearly due, 39s was 39s. Arrivals off coast, for orders—Wheat moderate; maize nil. English and French country markets quiet. Imports into the United Kingdom past week—Wheat 135 to 140,000 qrs.; maize, 195 to 200,000 qrs.; flour, 135 to 140,000 bbls. *Liverpool*—Spot wheat, inactive; maize, inactive at 5½d cheaper. *Paris*—Wheat and flour, rather easier.

LIVERPOOL, July 8.—Market depressed and irregular. Receipts, 23,000 bales, of which 10,300 were American. Sales, 5,000 bales, of which for speculation and export, 500 bales. Middling uplands, 6½d; do. Orleans, 6½d. Futures quiet at the decline. 4 p.m.—Futures closed steady.

MONTREAL MARKETS.

MONTREAL, July 9, 1884.

As a whole, trade continues to be marked by the regular mid-summer quietude, though one or two lines show a little more activity than a fortnight ago. The leather trade seem to be busier and hardware men report fair sales in harvesting tools, etc. Dry goods travellers in some houses are preparing for the fall campaign, and by the middle of the month there will be a fair proportion of them on the road. Country remittances have picked up somewhat during the last few days, and are rather better than ten days ago. Crop reports, from the various sections of this Province, continue favorable; in some districts where rain was not plentiful, hay will hardly yield as much as was at first expected, but taking it all round there will be an average crop. Grain and potatoes, generally look well. The money market presents no new features, call loans being obtainable at 5 per cent. and discounts at seven per cent. There is comparatively light trading in stocks; Montreal

is in demand for investments at 183½ to 184; Commerce is down a little 113½; Federal offered at 45 without takers; Merchants 107½; Toronto 165.

ASHES.—The market is rather quiet with a tendency to weakness. No. 1 Pots are quoted at \$4.30 to \$4.45; seconds nominally \$4.25. In Pearls there is very little doing, and \$5.25 is a nominal quotation. The receipts from January 1st to June 30th 1884, were 3,375 brls. pots, 378 pearls, against 4,212 brls. of pots and 175 pearls for same period of 1883, showing a decrease of 634 brls. The deliveries for the six months just closed were 3,119 brls.

BOOTS AND SHOES.—Travellers report fair orders from the west, in Central Canada business is scarcely so good, and, on the whole, trade is not up to the average of this date last year.

CEMENTS, FIRECLAY, &c.—Portland Cement \$3.25 per brl.; round lots \$2.90 to \$3.00; Roman \$2.75; Canadian \$1.75; Fireclay \$2.00 per bag; Firebricks \$25 to \$30 as to brand.

DRY GOODS.—By the middle of the month most travellers will have started out on their fall trips, and the result of their labours will be looked for with interest. Houses having an extended clientele, state that, as far as they can judge, the feeling all around is one of caution, and although country stocks are not large, close men are disposed to refer placing anything like their usual orders until crop results are fully assued. City trade and payments are very fair, though the cool weather of Monday and Tuesday curtailed sales some. Country remittances have recovered a little, and are better than ten days ago; what payments fell due on the 4th inst, seem to have been very fairly met. In cotton there is nothing new. It is stated that the Magog print mills have started their machinery and will shortly place goods on the market.

DRUGS AND CHEMICALS.—Trade in this line has assumed a very quiet phase, and there is really nothing new nor interesting to note. Prices are maintained at last quotations as below: *Sal Soda*, \$1.10 per 100 lbs.; *Bi. Carb. Soda*, \$2.50 to 2.60; *Soda Ash* \$1.65 to \$1.75; *Bichromate of Potash*, per 100 lbs., \$8.50 to \$10; *Borax* refined, 11 to 12½c.; *Cream Tartar* crystals, 30 to 31c.; do ground 34c. to 37c.; *Tartaric Acid*, 54 to 58c. per lb.; *Caustic Soda*, white, \$2.40 to 2.60; *Sugar of Lead*, 9 to 11c.; *Bleaching Powder*, \$2.50 to \$2.75; *Alum* \$1.75 to \$1.90; *Copperas*, per 100 lbs., 90c. to \$1.00; *Ground Sulphur*, \$2.50 to \$2.75; *Flowers Sulphur*, sublim per 100 lbs., \$2.75 to \$3.00; *Roll Sulphur*, \$2.25 to \$2.40; *Sulphate of Copper*, \$5.75 to \$6.50; *Epsom Salts*, \$1.25 to \$1.40; *Salt-petre*, \$9.00 to 9.50; *German Quinine*, \$1.50 *English and American* do., \$1.60 to \$1.75, as to makers, per oz. bottles; *Opium*, \$4.00 to \$4.25; *Morphia*, \$2.10 to \$2.20. *Gum Arabic*, sort, 28 to 33c. *White*, 40 to 55c. *Hellebore*, 20 to 24c.

FISH.—Business continues of a very ordinary character, and the available stock of salt fish is of an old and straggling character. Dry Cod \$4 to \$4.50; British Columbia Salmon \$15 to \$15.50; North Shore \$19 for No. 1.

FURS.—With this week we give quotations of raw furs for the last time until the fall. Beyond a few odd lots of Muskrats, there has been nothing received lately, nor is there likely to be till the fall catch, we quote: *Beaver*, \$3.00 per pound *Otter*, \$9.00 to \$12.00; *Bear*, large, \$9.00 to \$12.00; small, \$4.00 to \$7.00; *Cub* do. \$3.00 to \$5.00; *Fisher*, \$4.00 to \$6.00; *Lynx*, \$3 to \$3.50 *Red Fox*, \$1.20 to 1.35; *Cross* do., \$3.00 to \$7.00; *Mink*, 50c. to \$1.00; *Marten*, \$1.00 to \$1.20; *Muskrat*, (winter) 12½c.; (spring) do. 15c.; *Skunk*, 40 to 60c.; *Raccoon*, 50 to 80c.

FLOUR.—In spite of the very low prices now ruling, business is very dull and unsatisfactory, the transactions reported being unimportant. We quote: *Superior Extra*, \$5.40 to \$5.45; *Extra Superfine*, \$5; *Fancy*, \$4.30; *Spring Extra*, \$4.25; *Superfine*, \$3.30 to \$3.40; *Canadian Strong Bakers'* \$5.00 to \$5.25; *American* do., \$5.30 to \$5.60. *Patent Flour* \$5.75 to \$6.25.

GROCERIES.—There are some complaints of a lack of business, while other houses expressed themselves fairly well satisfied with the volume of orders, and, as a whole, payments are very well spoken of, the calls for assistance being really very few. Sugars are again reported lower; we hear of sales of granulated, by refiners, at 6½c. being a cent lower than it was ever known to be before; yellows are proportionally low. We have seen nice samples of groceries raw at 5½c. and a lot of dark Porto Rico has been sold to go west at 5c. Molasses, strange to

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NEW SEASON'S JAPAN TEAS.

Choice Green and Black Teas, all grades and sorts

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Trustee.

Hamilton, April 24th, 1884.

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Put up in Tin Foil, and in 10s Paper Boxes.

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Full lines of choice Porto Rico, Liverpool, Scotch and Canadian Refined, at bottom prices.

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JONES' Spades, Shovels, Forks and Draining Tools, a large stock of all their Brands. Jobbers get our price List. Equal to "Ames" in quality and cheaper.

AXLES manufactured by Byers Bros. & Co., very superior quality and finish.

CARRIAGE SPRINGS complete stock of Gananoque Spring Co., second to none.

HOOBS & HINGES, heavy and light, T hinges, Butts and Washers, Cowan & Britton, celebrated make.

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SCYTHES, Grass and Grain, from the celebrated makers Hubbard, Blake & Co.