

**Winnipeg Hardware and Metal Prices.**

TIN—Lamb and Hagg, 56 and 28, lb. ingots, per lb. 31c.

TIN PLATES—Charcoal plates, 1c, 10 x14, 12x12 and 14x20, \$5.25; 1 X, same size box, \$6.25; 1 O, charcoal, 20 x28, 112 sheets to box, \$10, 1 X box 20x 28, 112 sheets, \$12.00.

TERNE PLATES—1 C, 20x28, \$10.00.

IRON AND STEEL—Bar iron, 100 lbs., base price \$2.55; band iron, 100 lbs., \$2.85; Swedish iron, 100 lbs., \$5 to \$6; sleigh shoe steel, \$3.25, tire steel, \$3.75; cast tool steel, lb., 9 to 12 1-2c; imitation Russian sheets, 7 to 8c; genuine Russian sheets, lb., 12 to 13c.

STEEL BOILER PLATE—3-16 inch \$3; 3-8 inch and thicker, \$2.75.

BOILER TUBES—2 inch, 14c per foot; 2 1-2 inch, 15 1-2c; 3 inch, 17c per foot.

SHEET IRON—10 to 20 gauge, \$3.50, 22 to 26, \$3.75, 28 gauge, \$4.

CANADA PLATES—Garth and Blaine, \$4.35.

GALVANIZED IRON—American, 16 gauge, \$4.25; 13 to 22, \$4.50; 24 gauge, \$4.75; 26 gauge, \$5; 28 gauge, \$5.25 per 100 lbs. Queen's head, 25c advance on American prices.

IRON PIPE—Quoted as follows per 100 feet: 1-1 inch, \$4.25, 3-8, \$4.35; 1-2 \$5.25; 3-4, \$5.75; 1 inch, \$6.25; 1 1-4 \$11; 1 1-2, \$13.50; 2, \$18; larger, 33 per cent.

GALVANIZED PIPE—1-4 inch, \$6.40; 3-8 inch, \$6.40; 1-2 inch, \$6.80; 3-4 inch, \$7.60; 1 inch, \$10.40; 1 1-4 inch, \$14.40; 1 1-2 inch, \$17.60; 2 inch, \$23.60.

STAMPED TINWARE—Plain, 70 and 20 per cent; retinned 70 and 12 1-2 per cent.

CHAIN—Proof coil, 3-16 in. per 100 lbs., \$7.50; do. 1-4 in. \$7; do. 5-16 in. \$5.50; do. 3-8 in. \$5.25; do. 7-16 in. \$5; do. 1-2 in. and up, \$8; trace, per doz. pairs, \$3.75 to \$5.50; jack chain, iron, single, per doz. yards, 15 to 75c; jack chain, double, per doz. yards, 25c to \$1.

COPPER—Tinned copper sheets, 10c, planished, 35c; boiler and TK pitted, plain tinned, per lb. 29c; spun 33c.

LEAD—14c, per lb. 5 to 6c.

SHEET ZINC—In casks, \$9 per 100 lbs; broken lots, \$9.50.

SOLDER—Half and half, per lb. 20c.

SHOT—Soft, 6 1-2c per lb; chilled, 7c; blackshot, 7 1-2c.

AMMUNITION—Cartridges—R. F. Hotel, American discount 37 1-2 to 40 per cent; rim fire cartridges, Dominion, 50 per cent to 50 and 5 per cent; centre fire military, American, net list; centre fire pistol and rifle, American, 10 per cent; centre fire cartridge, Dominion, 30 per cent; shot shells, 12 gauge, \$6 to \$8.50.

LOADED SHELLS—Eley's black, 12 gauge, per 100, soft \$1.50, chilled \$1.65; No. 10 gauge soft, \$2; chilled, \$2.15; Eley's smokeless, 12 gauge soft, \$1.90, chilled, \$2.05; No. 10 gauge soft, \$2.40, chilled, \$2.55.

WADS—Grey felt, 75c per lb.; thin card wads in boxes of 500 each, 12 and smaller gauge, 20c per lb; thin card wads in boxes of 500 each, 10 gauge, 25c per lb. Chemically prepared lines, edge grey cloth wads, in boxes of 250 each, 11 and smaller gauges, 65c per 1,000; 9 and 10 gauges, 75c per 1,000; 7 and 8 gauges, \$1 per 1,000.

ANVILS—Per lb. 10 to 12 1-2c; anvil and vice combined, each \$3 to \$4.50.

LAGER BITS—American, 65 to 70 per cent Jennings' Excelsior, 50 per cent; post hole, Vaughan's, each 60 to 90c.

AXES—Chopping axes, per dozen, \$6; to \$12; double bit, per doz. \$11 to \$18; bench axes, 40 per cent.

BILLING—Extra, 30 to 35 per cent; No. 1, 50 to 50 and 10 per cent; agricultural, 55 to 60 per cent.

BOLTS—Carriage, 1-4 and 3-16, 47 1-2 per cent; 3-8 and up, 42 1-2c; tire, dis. 55 per cent; stove, dis. 60 per cent; machine, discount 47 1-2; coach screws, dis. 60 per cent; plough bolts, 40 per cent.

BTTN—Loose pins, cast, dis. 60 per cent; wrought steel, fast joints, dis. 65 per cent; loose pins, dis. 65 per cent; Berlin bronzed, dis. 45 per cent; gen. bronzed, per pair, 35 to 55.

HINGES—Light T and strap, 65 per cent; heavy, per lb. 5 to 6c; screw hook

and hinge, 6 to 10 in., 5c per lb.; 12 in. up, per lb., 4c; spring screen door, \$1 to \$2.25 doz.

HARVEST TOOLS—62 1-2 per cent.

ROPE—Sisal, lb. 11 1-2c base, manilla, lb. 13c base; cotton, 1-4 to 1-2 in. and larger, 15c lb.; deep sea, 16 1-2c; lath yarn, 10c.

BUILDING PAPER—Anchor brand plain 45c; do. tarred, 60c; Jubilee, plain 57c; do. tarred, 73c.

HORSE NAILS—Pointed and finished, oval heads. List price as follows: No. 5 \$7.50 per box; No. 6, \$6.75 box; No. 7, \$6 box; No. 8, \$5.75, box; No. 9, 10 and 11, \$5.50 box. Discount on above list prices, 40 per cent.

HORSESHOES—Iron shoes, keg, 0 and 1, \$4.50; 2 and larger, \$4.25. Less than full kegs, 25c extra. Steel shoes, 0 and 1, \$4.90; 2 and larger, \$4.55.

NAILS—Wire—1 1-2 in. up, \$2.35; 4 in. \$3.10, 3 in. \$3.45, 3 1-2 in. \$3.50, 2 in. \$3.65; 1 1-2 in. \$3.75, 1 1-4 in. \$4. 1 in. \$4.35.

NAILS—Cut—30d up, \$2.75; 10d, \$2.80; 10d, \$2.85; 8d, \$2.90; 6d, \$3.05, 4d, \$3.15; 3d, \$3.40; 2d, \$3.70.

SCREWS—Wood, F. H., iron and steel dis. 80 and 5; Wood, R. H. iron, dis. 70 and 10, wood, F. H., brass, dis. 70 and 10; wood, R. H., brass, dis. 65 per cent. Bench, wood, per doz. \$3.75 to \$4.50, bench, iron, per doz. \$4.50 to \$6.

SOLDERING IRONS—Per lb. 32c.

WIRE—Brass and copper wire, 20 per cent advance on the list; clothes line wire, 18 gauge, per 1,000 feet, \$3.50.

WIRE FENCING—Galvanized 4 barb. regular, \$3.75, galvanized, plain twist, \$3.75.

STAPLES—Galvanized, \$4.25 per 100 lbs.

WIRE CLOTH—Painted screen, per 100 sq. ft. \$1.90.

RIVETS AND BURRS—Carriage, section, wagon box rivets, etc., steel 37 1-2 per cent; black M rivets, 37 1-2 per cent; black and tinned 37 1-2 per cent. copper rivets and burrs, 32 1-2c; cartons 1c per lb. extra net.

GLUE—Sheets, 15c lb.; broken, 12 1-2c; glue, white, for kalsomining, 18 to 25c.

AXLE GREASE—Imperial, case, \$2.70.

FRASER'S axle grease, case, \$3.75; Diamond axle grease, case, \$2.35.

COAL TAR—Per barrel, \$5.

PINE PATCH—\$4 per barrel.

CEMENT—Portland cement, barrel, \$4 to \$4.25.

PLASTER AND HAIR—Plaster, barrel, \$3.25; plasterers' hair, P. P., 85c bale.

**Winnipeg Prices of Paints, Oils, Glass, Etc.**

WHITE LEAD—Pure, \$6.62 1-2 100 lbs., No. 1, \$6.37 1-2.

PREPARED PAINTS—Pure liquid colors, gallon, \$1.20 to \$1.60, as to shade and quality.

DRY COLORS—White lead, lb. 7 1-2c; red lead, kegs, 6 1-2c; yellow ochre in barrel lots, 2 1-2c; less than barrels, 3c; golden ochre, barrels, 3 1-2c; less than barrels, 4c; Venetian red, barrels, 3c; less than barrels, 3 1-2c; American vermilion, 15c; English vermilion, \$1 per lb.; Paris green, 18 to 20c; Canadian metallic oxides, barrel lots, 2 1-2c; less than barrel lots, 3c; English purple oxides, in casks, 3 1-2c; less quantities, 4c lb.

VARNISHES—No. 1 furniture, per gallon, \$1; extra furniture, \$1.35; pale oak, \$1.50; elastic oak, \$1.75; No. 1 carriage, \$1.50 to \$1.75; hard oil finish, \$1.50 to \$2; brown Japan, \$1; house painters' gold size Japan, \$1.50; coach painters' do., \$2 to \$2.25; No. 1 orange shellac, \$2.25; pure orange shellac, \$2.50.

PUTTY—In bladders, barrel lots, 2 1-2c lb.; in 100 lb. kegs, 2 3-4c; do. less than barrels, 3c lb.

ALABASTINE—Cases of 20 packages, \$6.50.

GASOLINE—Stove, per case, \$3.50.

BENZINE—Case, \$3.50.

WINDOW GLASS—Single glass, first break, 16 to 25 united inches, \$2.25; 26 to 40, \$2.50 per 50 feet boxes; 41 to 50, \$5.30; 51 to 60, \$5.80; 61 to 70, \$6.30 per 100 feet boxes.

LINSEED OIL—Raw, gal., 61c; boiled, gal. 63c in barrels, less than barrels, 6c gal. extra, with additional charges for cans.

TURPENTINE—Pure spirits, in barrels,

70c; less than barrels, gal. 75c. An additional charge for packages for small quantities.

OILS—Range about as follows: Black oils, 25 to 30c gal; clear, machine oil, 27 to 30c; cylinder oil, 50 to 75c; a 80 quality; castor oil, 11c per lb.; tanners' or harness oil, 65c; neatfoot oil, \$1; steam refined oil, 85c; pure winter bleached sperm oil, \$2 gal.

REFINED PETROLEUM—Prices here are as follows: Silver Star, 18c; Crescent, 20 1-2c. Oleophene, 21c in barrels. United States oils in barrels are quoted at 24 1-2c for Cocene and 21 1-2c for sunlight. Straight car lots Silver Star 1c less, other brands 2c less.

**Scientific Notes.**

Aluminum is a source of stored energy whose use, as described to the German Electro-Chemical society, has given astonishing results. When mixed in a sand-lined wooden bucket with an oxygen compound, such as iron oxide, the aluminum can be ignited with a match, after which it burns quietly, giving forth intense heat, which may reach 3,000 degrees C. This supplies an economical furnace for brazing or hard soldering. It can be used also for welding, for producing pure wrought iron, and for obtaining certain pure metals free from carbon that have been almost impossible to produce. A mass of metallic chromium weighing 55 pounds has been obtained. The slag is artificial corundum of extraordinary hardness, containing minute artificial rubies.

The record of the ordinary tuning fork chronograph is traced on a smoke-blackened surface. A new and far more delicate chronograph consists of a cylinder, rotated with a surface velocity of 100 feet per second, on which is photographed a pencil of light which has passed through a hole in the end of a rapidly vibrating tuning fork. A recent curious record is that of the compression of a copper cylinder by a blow. A 33-pound weight falling 15 inches permanently compressed the cylinder 0.1658 inch, and the chronograph curve shows the progress of the compression during its interval of 0.0030317 second.

Theodore A. Heintzman, founder of the oil and well known piano manufacturing house of Heintzman & Co., Toronto, is dead. His age was 83 years.

## FACTS

The Victor Safe and Lock Co. are the largest manufacturers of Fire Proof Safes in the world.

The Victor Safe and Lock Co. is the only company who manufacture their own locks.

The Victor Safe and Lock Co. is the only company who combine the handle and dial of a safe in one, thereby doing away with the necessity of piercing the door twice for the spindles.

An unlimited number of combinations can be set up on the Victor Lock.

## WATT & ALBERT

General Agents for Western Canada, Winnipeg, Man.