

NEWEST NOTES OF SCIENCE

A nut cracker has been invented that will crack three nuts at once.

Russia leads the world in the production of rayon fibre and Argentina of its seed.

Portable electric machinery has been invented to screen coal and load it in wagons.

An aerial rudder helps to steer a French racing automobile and lessens its skidding.

Sliding racks for silverware instead of knives feature the bottom of a new sideboard.

For automobile upholstery an artificial silk is being made from spun glass in England.

An ash receiver from the centre of which rises a vase to hold flowers has been invented.

Irrigation projects under consideration for India involve about 10,000,000 acres of land.

A jack to lift telegraph or telephone poles from holes has been invented by a Chicago man.

A German city collects garbage, dries it and mixes it with molasses to form a cattle food.

A lever arm lifts the top of a new range and holds it out of the way when a fire is to be fixed.

Carbons for lighting and electro-chemical purposes are made in Sweden from tar by a new process.

Pennsylvania's mineral resources yielded an output valued at nearly \$2,000,000 last year.

A dredge built in Holland for the government of Uruguay crossed the Atlantic under its own power.

Pliers have been patented by an Illinois inventor to split insulation and remove it from wires neatly.

Chinese cotton planters in the vicinity of Shanghai are experimenting with seed obtained from Georgia.

A brush, comb, mirror and electric light are combined in a new toilet set that can be carried in a pocket.

A Brazilian city uses a trolley car ambulance to transport patients to and from hospitals in its suburbs.

A recently patented oscillating electric fan can be made to blow its blade either vertically or horizontally.

Uruguay has organized a government institute of geology with a director and assistants from the United States.

The addition of a few drops of cedar oil to gasoline when the latter is used for cleansing will lessen its odor.

Tongs invented by a Frenchman for handling hot dishes are equipped with a spring to ensure them holding firmly.

Water pressure operates a new air compressor for automobilists so that no oil is sprayed into tires to injure them.

China has increased its telegraph lines to a total of 30,000 miles, of which the government owns more than one-half.

A patent has been issued for an attachment by which any person can lessen the amount of sound given by telephone bells.

About 5,000,000 cardboard food containers are being made by a London factory weekly to take the place of tin receptacles.

Ordinary wire crassers will cleanse tarnished copper, the grit in the rubber removing the tarnish without scratching the metal.

With walls but two inches thick, a concrete motion picture theatre, 80 by 45 feet and eighteen feet high, has been built in England.

AMERICAN BANK NOTE CO.

Earned \$3.84 Per Share For the Half Year. New York, Sept. 6.—The American Bank Note Company's report for six months ended June 30th shows a net income of \$570,864, after charges and expenses, compared with \$734,058 for the twelve months of 1917.

Purchased Factories. New York, Sept. 6.—The General Cigar Company has purchased the four large cigar factories operated for several years by the Wayne Cigar Company of Detroit.

Outlook Is Good. Toronto, Sept. 6.—Canadian steel companies have made remarkable headway during the past three years of operations.

Commercial Notes. It is understood that it is likely that the Mining Corporation of Canada will soon be working on the Kennedy claims in Boston Creek.

Net earnings of the U. S. Rubber Co. for the six months from January 1st to June 30th, 1918, after deducting all interest charges and after allowing for depreciation federal taxes and reserve were \$10,243,325.

The annual report of the Canada Bread Company for the year ending June 30th, shows an increase in manufacturing profits, the total being \$205,771, as compared with \$199,107 during the previous year, and \$223,771 in 1915-16.

The Market Reports

LIVE STOCK.

East Buffalo Cattle. East Buffalo, Sept. 6.—Cattle, receipts, 125; steady.

Chicago Cattle. Chicago, Sept. 6.—Hogs, receipts 21,000; mostly 25c. lower than yesterday's average.

GRAINS. Chicago. Cash prices closed: Corn—No. 2 yellow, \$1.63; No. 3 yellow, \$1.60 to \$1.53; No. 4 yellow, \$1.55.

Winnipeg. Cash prices closed: Oats—No. 2 C.W., 84c; extra No. 1 feed, 80c; No. 1 feed, 78c; No. 2 feed, 75c.

TORONTO STREET MARKET.

Dairy Produce. Butter, choice dairy, 45c to 48c; do, creamery, 43c to 52c; margarine, lb., 35c to 37c.

Dressed Poultry. Turkeys, lb., 30c to 33c; fowl, lb., 36c to 40c; spring chickens, 45c to 50c; roosters, lb., 25c to 28c; ducklings, lb., 35c.

Vegetables. Beans, small measure, 15c; beans, new, doz., 25c; carrots, new, doz., 25c; corn, doz., 15c to 25c; cucumbers, basket, 40c to 50c; do, pickling, basket, 75c to \$1.50; do, doz., 25c to 30c; cabbage, new, doz., 10c; cauliflower, each, 10c to 20c; celery, head, 5c to 10c; egg plant, each, 10c; gherkins, basket, \$1.25; lettuce, head, 5c; onions, 100-lb. sacks, \$4.50 to \$5; do, green, bunch, 4c to 5c; parsley, bunch, 10c; pumpkins, each, 15c to 20c; potatoes, 10c; radishes, 3 for 10c; sage, bunch, 5c; savory, bunch, 5c; squash, each, 10c to 25c; tomatoes, basket, 30c to 50c; vegetable marrow, each, 5c to 10c.

GENERAL PRODUCE PRICES.

Eggs. Belleville, 43 to 47c; Brantford, 48 to 50c; Cobourg, 45 to 48c; Kingston and Kitchener, 48 to 50c; London, 45; Port Hope, 44 to 48c; St. Thomas, 48 to 50c; Stratford, 40 to 42c; and Woodstock, 45 to 47c per dozen.

Butter. Belleville, 53c per pound; Brantford, 48 to 50c; Cobourg, 48c; Kingston, 45 to 52c; Kitchener, 45 to 48c; London, 45 to 48c; Port Hope, 48 to 50c; St. Thomas, 50c; Stratford, 42 to 45c; and Woodstock, 45 to 50c per pound.

Poultry. Belleville, 25 to 30c per pound; Brantford, 25 to 28c; Cobourg, 35c; Kingston, 30 to 40c; Kitchener, 35 to 38c; London, 33 to 35c; Port Hope, 27 to 30c; St. Thomas, 30 to 42c; Stratford, 23 to 25c; and Woodstock, \$2.20.

Hay. Belleville—Loose, \$14 to \$16 per ton; Brantford—Loose, \$10 to \$13; Kingston—Baled, \$16 to \$18; loose, \$12 to \$15; Kitchener—Baled, \$15.50 to \$18; loose, \$13.50 to \$16; London—Loose, \$14 to \$18; Port Hope—Baled, \$18 to \$20; loose, \$12 to \$13; St. Thomas—Baled, \$12; loose, \$13 to \$15; Stratford—Baled, \$13 to \$14; loose, \$12 to \$13; and Woodstock—Baled, \$16 to \$17; and loose, \$13 per ton.

Wheat. Belleville and Brantford, \$2.10 per bushel; Cobourg, \$2.16; Kingston, \$2.25 to \$2.40; Kitchener, \$2.10 to \$2.15; London, \$2.10 to \$2.12; Port Hope, \$2.12; St. Thomas, 2.11; Stratford, \$2.15 to \$2.20; and Woodstock, \$2.12 per bushel.

Oats. Belleville, 72c per bushel; Brantford, 75 to 77c; Cobourg, 95c; Kingston, 90c to \$1.10; Kitchener, 72 to 78c; London, 92 to 92 1/2c; Port Hope, 85 to 85c; St. Thomas, 70 to 72c; Stratford, 78 to 82c; and Woodstock, 75c per bushel.

Barley. Belleville, \$1.10 per bushel; Brantford, \$1.05; Kingston, \$1.90; Kitchener, \$1.08 to \$1.10; Port Hope, \$1.05 to \$1.15; St. Thomas, 95c to \$1; and Stratford, \$1.20 to \$1.25 per bushel.

The Kingston Market

Kingston, Sept. 6th. Fish. Cod, lb., 10 to 15; Hake, lb., 12 to 15; Flounders, lb., 10 to 12; Fillets, lb., 22 to 25; Finan Haddie, lb., 12 to 15; Hake, lb., 12 to 15.

Halibut, fresh, lb., 30; Herring, fresh, lb., 10; Kippers, doz., 60; Mackerel, lb., 15; Perch, lb., 12 1/2; Pike, lb., 12 1/2; Rock-fish, lb., 10; Salmon, lb., 25; Smelt, lb., 20; Tiledish, lb., 20; Trout, salmon, lb., 18; White fish, lb., 18.

Dairy Produce. Butter, creamery, lb., 48 to 52; Butter, rolls, lb., 45 to 48; Cheese, lb., 30 to 35; Eggs, fresh, doz., 48 to 50; Oleomargarine, 32 to 38.

Meats. Beef: Porterhouse Steak, 35 to 46; Leg Roast, lb., 35 to 42; Round Steak, lb., 35 to 38; Rump Roast, lb., 30 to 32; Rib Roasts, lb., 26 to 30; Shoulder Roasts, lb., 25 to 32; Boiling Cuts, lb., 19.00; West'n carcass cwt, 15.00; West'n Hinds cwt, 22.00; Local carcass cwt, 16.00; Local Fronts cwt, 15.00; Local Hinds, cwt., 20.00.

Pork: Lion Roasts, lb., 40 to 45; Leg Roasts, lb., 35 to 40; Chops, lb., 40 to 45; Hogs, live, cwt., 19.25 to 20.00; Hog, dressed, cwt., 27.00; Lamb, fronts, 30 to 35; Lamb, hinds, 30 to 40; Lamb, loins, 30 to 40; Lamb, legs, 45 to 50; Lamb, chops, 30 to 40; Mutton, lb., 20 to 25; Veal, lb., 20 to 30.

Poultry. Chickens, dressed, lb., 25 to 35; Chickens, live, lb., 25 to 28; Hens, dressed, lb., 22 to 27; Hens, live, lb., 20 to 24; Ducks, dressed, lb., 25 to 30.

Vegetables. Beets, bunch, 5 to 10; Cabbage, head, 5 to 10; Carrots, bunch, 5 to 15; Cauliflowers, each, 5 to 10; Celery, bunch, 5 to 10; Cucumbers, each, 5 to 10; Corn, doz., 20 to 25; Lettuce, bunch, 5 to 6; Onions, bunch, 5 to 8; Onions, dry, lb., 5 to 8; Parsley, bunch, 5 to 10; Peppery, bunch, 20 to 25; Peppers, red, doz., 20 to 25; Potatoes, new, pk., 25 to 30; Radishes, bunch, 5 to 6; Tomatoes, bush., 1.00.

Fruit. Apples, pk., 25 to 40; Bananas, doz., 25 to 40; Blueberries, qt., 25 to 30; Blackberries, box, 35 to 40; Canteloupes, each, 15 to 40; Cherries, lb., 30 to 35; Dates, lb., 25 to 30; Grapes, Malaga, lb., 8 to 12 1/2; Grapes, Tokays, lb., 25 to 30; Lemons, doz., 50 to 60; Oranges, doz., 40 to 1.00; Peaches, basket, 1.00 to 1.25; Peaches, doz., 30 to 50; Pears, basket, 30 to 50; Pears, doz., 30 to 50; Plums, basket, 1.25 to 1.50; Plums, doz., 20 to 40; Prunes, lb., 15 to 20.

Grain. Barley, bush., 1.90 to 2.00; Bran, ton, 39.00 to 40.00; Buckwheat, bush., 1.90 to 2.00; Cornmeal, cwt., 5.50 to 6.00; Corn, yellow feed bush., 1.90 to 2.00; Flour, Govt. standard, cwt., 5.80 to 5.90; Hay, baled, ton, 18.00 to 20.00; Hay, loose, ton, 13.00 to 15.00; Oats, Man., bush., 90 to 1.10; Oats, local, bush., 90 to 1.05; Shorts, ton, 43.00 to 45.00; Straw, baled, ton, 10.00 to 11.00; Straw, loose, ton, 8.00 to 9.00; Wheat, local, bush., 2.25 to 2.40.

Hides, Furs, etc. Hides, beef, lb., 15 to 16; Lamb skins, fresh up to, 1.25 to 2.50; Veal skins, lb., 38 to 40; Deacon Hks, No. 1, 1.50 to 3.00; Horse hides, No. 1 large, 5.00 to 6.00; Tallow Cakes, 15 to 16; Wool, wash, lb., 85 to 90; Wool, unwashed, lb., 60 to 65; Genster, wild dry, per lb., 8.00 to 9.00; Reenwax, lb. up to, 30 to 35; Shearings, up to, 1.50 to 2.00; Kips, lb., 16 to 18.

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