

# Markets Reports

### GRAIN QUOTATIONS.

**Toronto.**  
 Toronto, Oct. 10. — Manitoba wheat—No. 1 northern, \$1.08 3/4; American corn—No. 2 yellow, 85c; No. 3 yellow, 84c all rail. Barley—No. 3 extra, test 47 lbs. or better, 55c to 58c, according to freight outside. Rye—No. 2, 62c to 67c. Millfeed—Delivered, Montreal freight bags included; bran, per ton, \$21; shorts, per ton, \$23; good feed flour, \$1.70.  
 Ontario wheat—No. 2 white, 88c to 90c, according to freights outside; No. 3, 85c to 90c.  
 Ontario No. 2 white oats—35c to 37c.  
 Ontario flour—Ninety per cent. patent, in jute bags, Montreal shipment, \$4.50 to \$4.60; Toronto basis, \$4.45 to \$4.50; bulk seaboard, \$4.30 to \$4.35.  
 Manitoba flour—1st patents in cotton sacks, \$6.50 per barrel; 2nd patents, \$6.30.  
 Hay—Extra No. 2, per ton, track, Toronto, \$16; mixed, \$13.50 to \$14; clover, \$13.50 to \$14; straw, \$9, car lots.

### Montreal.

Montreal, Oct. 10. —Oats, Canadian western, No. 2, 60c; do, No. 3, 55c. Flour—Manitoba spring wheat patents, firsts, \$6.90. Bran—\$20. Shorts—\$22. Hay—No. 2, per ton, car lots, \$17 to \$18.

### Winnipeg.

Winnipeg, Oct. 10. —Wheat, No. 1 northern, 98 5/8c; No. 2 northern, 97 3/4c; No. 3 northern, 92 3/4c; No. 4, 90 3/4c; No. 5, 83 1/2c; No. 6, 75 1/2c; track, 64 1/2c; track, 98 1/2c.  
 Oats—No. 2 C.W., 44c; No. 3, C.W., 41c; extra No. 1 feed, 41c; No. 1 feed, 39 3/4c; No. 2 feed, 36 3/4c; rejected, 34c; track, 42c.  
 Barley—No. 3 C.W., 52 3/8c; No. 4 C.W., 51 3/4c; rejected, 47 3/4c; track, 52 3/8c.  
 Flax—No. 1 N.W.C., \$1.99 3/4; No. 2 C.W., \$1.93 3/4; No. 3 C.W., \$1.83 3/4; rejected, \$1.82 3/4; track, \$1.97 3/4.  
 Rye—No. 2 C.W., 67 5/8c.

### New York.

New York, Oct. 10. —Rye flour—Fair to good, \$4.50 to \$4.70; choice, to fancy, \$4.75 to \$5.  
 Corn meal—Fine white and yellow granulated, \$1.92 to \$2.  
 Rye—No. 2 western, 90 3/4c f.o.b. New York and 8 3/4c c.i.f. export.  
 Wheat—No. 1, northern spring, \$1.26 3/4; No. 4 red winter, \$1.28 3/4.

### Corns Drop Off In Hot Water This Quite Wonderful

New easy to rid yourself of corns if you follow this method. Pain does not enter into the matter at all, for the action is painless and results absolutely sure. A hot foot bath gives the finishing touch to either corns or callouses. Here is the way. Spread a drop or two of Putnam's Painless Corn Extractor over the corn or callous, pain at once stops. An application or two more, then dip the foot a few minutes in hot water. Off comes the corn or callous. Putnam's Painless Corn Extractor is what you need. Costs little and druggists sell it.

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are now being paid to the shareholders of Northern Ontario's Gold Mines.

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Prepare for Winter! Install your furnace now. Choose one that will get all the heat from the fuel and deliver it to the right spot. Secure full returns for the money you invest in high-priced coal.

Read what some users say of Banner Furnaces: "Most economical and efficient."—Chatfield Heating Company, St. Catharines, Ontario.

Send us a plan of your house and we will tell you the cost of a Banner installation. Send for our booklets, "Winter Comfort in Your Home" and "How to Choose a Furnace."

The Galt Store & Furnace Co., Limited - Galt, Ontario  
 AGENTS IN KINGSTON SIMMONS BROS.

### MORE HEAT FROM LESS COAL

## TOWNSHIP SCHOOL FAIR

Held at Cataract on Sept. 14th—The Winners of Prizes.

List of prize winners at the Kingston township school fair held at Cataract on Thursday, Sept. 14th:  
 Four quarts, Wheat—Geo. Turnham.  
 Wheat, sheaf—Wilbur Price, Clifford Sly, Geo. Turnham, Albert Hendrie, Geo. Wartman, Vernon Burnett.  
 Oats, four quarts—Jack Gibson, Gordon Pillar.  
 Oats, sheaf—Geo. Turnham, Agnes Medley, Gordon Pillar, Clifford Sly, Jack Gibson, Bert Young.  
 Barley, four quarts—Clifford Sly, Jack Gibson.  
 Barley, sheaf—Clifford Sly, Agnes Medley, Archie Medley, Hubert Bradley, Hayward Turnham, Jack Gibson.  
 Field peas, two quarts—Cecil Kennedy, Charlie Brown, Gordon Bauder, Homer Rogers.  
 Field peas, three loaded vines—Cecil Kennedy.  
 Sweet corn, six ears—David Grant, Mosslyn Burt, Marjorie Silver, Evelyn Day, Mildred Wartman, Jack Gibson.  
 Sweet corn, single ear—Edna Shane, Nora Fearn, Mildred Burt, David Grant, Mildred Wartman, Kathleen Koen.  
 Sweet corn, sheaf—Elwood Morley, Jack Gibson, Mildred Wartman, David Grant, Mildred Burt, Jas. Kennedy.  
 Field corn, six ears—Hattie Ellerbeck, Geo. Wartman, Clifford Sly, Grace Day.  
 Field corn, single ear—George Wartman, Clifford Sly, Grace Day.  
 Field corn, sheaf—Geo. Wartman, Hattie Ellerbeck, Clifford Sly, Grace Day.  
 Twelve Irish Cobbler potatoes—Geo. Pillar, Geo. Turnham, Ken. Davy, Clifford Davy, Hazel, Babcock, Kathleen Koen.  
 Peck Irish Cobbler potatoes—Geo. Turnham, Margaret Ellerbeck, Alf. Baker, Mildred Burt, Florence Ledesair, Mildred Wartman.  
 Single Irish Cobbler potato—Geo. Turnham, Florence Ledesair, Leslie Harpell, Hazel Orser, Mae Truedell, Clifford Davy.  
 Twelve Green Mountain potatoes—Geo. Wartman, Wesley Baker, Beatrice, Simpkins, Thelma Baker, Ethel Baker, Mossaline Burt.  
 Peck Green Mountain potatoes—Geo. Wartman, Leslie Harpell, Wesley Baker, Thelma Baker, Jack Gibson, Mossaline Burt.  
 Single Green Mountain potato—Wesley Baker, Ethel Baker, Jack Gibson, Geo. Wartman, Thelma Baker, Leslie Harpell.  
 Peck Irish Cobbler potatoes from old seed—Gordon Pillar, Jack Gibson, Mildred Burt, Alf. Baker, Margaret Koen, Geo. Turnham.  
 Five Mangels—Albert Hendrie, Edw. Baker, Elwood Morley, Marion Koen, Frank Leonard, Archie Medley.  
 Single Mangel—Edward Baker, Albert Hendrie, Elwood Morley, Franklin Leonard, Marion Koen, Archie Medley.  
 Six beets, Margaret Koen, Hilda Pearson, Meryl Simpkins, Richard Gardner, Reta Truelove, Nelson Kennedy.  
 Single beet, Hilda Pearson, Margaret Koen, Gordon Baker, Meryl Kennedy.

**LIVE STOCK MARKETS.**  
**Chicago.**  
 Chicago, Oct. 10. —Native beef steers, \$9.15 to \$11.50; Western grassers, \$6.50 to \$7.50; stockers and feeders, \$6.25 to \$7.50; beef cows and heifers, \$4.15 to \$7; canners and cutters, \$2.90 to \$3.50; veal calves, \$10.50 to \$11.25.  
 Hogs—Bulk, 170 to 200-pound averages, \$9.75 to \$9.85; top, \$9.90; good and choice, 290 to 310-pound butchers, \$9.50 to \$9.60; bulk packing sows, \$7.50 to \$8; estimated holdover, 2,000; heavy, \$8.70 to \$9.85; medium, \$9.65 to \$9.90; light, \$9.75 to \$9.80; light, \$9.10 to \$9.50; packing sows, smooth, \$7.50 to \$8.25; packing sows rough, \$7 to \$7.60; killing pigs, \$8.75 to \$9.25.  
 Sheep—Top native lambs, \$13.85; bulk, \$13 to \$13.50; culls mostly, \$9 to \$9.50; choice Western lambs, \$14.55; fat heavy ewes, \$3.50 to \$4; lighter weight up to \$6.50; closing top feeding lambs, \$14.25.  
**Montreal.**  
 Montreal, Oct. 10. —Cattle—Butcher steers, \$5.50; bulls, \$2.25 and \$2.50; cows, \$2 to \$3.50; good veal, \$9; medium, \$8; grass, \$3 to \$3.50.  
 Sheep—Ewes, \$2 to \$4; lambs, good, \$10 to \$10.25; common, \$8 to \$9.50.  
 Hogs—Off car weights, select, \$12; lights, \$11.75 to \$12; sows, \$9 to \$10.

**GENERAL TRADE.**  
**Toronto.**  
 Toronto, Oct. 10. —Butter, dairy, 27c to 35c; do, creamery, 35c to 46c; eggs, fresh, doz., 43c to 45c; cheese, lb., new, 20c to 25c; do, old, 25c to 35c; broilers, spring lb., 40c to 45c; fowl, lb., 25c to 28c; ducks, lb., 25c to 35c; turkeys, lb., 35c to 40c; apples, basket, 20c to 50c; do, bushel, 75c to \$1.50; do, bbl., \$2.50 to \$5; grapes, gat, 30c to 40c; peaches, yellow 6-qt., 30c to 50c; do, 11-qt, 30c to 75c; pears 11-qt, 25c to 50c; do, prune, 11-qt, 75c to \$1.00; beets, bag, 90c to \$1; cabbage, dozen, 30c to 40c; cauliflower, doz, 75c to \$1.50; carrots, bag, 90c to \$1.00; celery, doz, 40c to 75c; cucumbers, basket, 50c to 75c; eggplant, 30c to 50c; lettuce, head, box, 50c to \$1 muskmelons, sugar sweet, 25c to 35c; do, salmon, 30c to 50c; onions, green, doz, 20c to 30c; do, sack, \$1.50 to \$2; do, pickling bkt., \$1 to \$2; parsnips, bag, 90c to \$1; peppers, basket, 25c to 35c; do, red, 40c to 60c; potatoes, bag, 70c to 80c; tomatoes, 11-qt, 25c to 40c.  
**Montreal.**  
 Butter—Creamery, solids, 36c lb; prints, 37c per lb.; cooking butter, 27c per lb.; oleomargarine, 20c per lb.  
 Eggs—No. 1, 36c; No. 2, 30c; extras, 40c; specials, 48c.  
 Ham—Large size, 30c; small size, 37c; cooked, 40c lb.  
 Bacon—Windsor boneless, 42c per lb.; breakfast, 30c per lb.  
 Dressed Poultry—Milkted chickens, 38c to 42c lb; broilers, 35c to 38c; selected chickens, 26c to 28c; turkeys, 40c to 50c; ducks, 32c to 55c; green ducks, 42c per lb.  
 Soup peas—\$4.29 per bushel; soup beans, \$4.50 per bushel.  
 Dressed hogs—Fresh killed abattoir stock, \$17.50 to \$18.50.  
 Milled—Bran and shorts—Unlimited quantities in mixed car lots, \$21.25; shorts, \$23.25.  
 Rolled oats—Standard grades, \$3.25 to \$3.50 per 90-lb. bag delivered to the trade.  
 Hay—Baled, per ton, in car lots, new crop, No. 2 Timothy, \$16 to \$17 No. 3 Timothy, \$14 to \$16, delivered to Montreal.

## MOTHER!

Clean Child's Bowels with "California Fig Syrup"



Even a sick child loves the "fruity" taste of "California Fig Syrup." If the little tongue is coated, or if your child is listless, cross, feverish, full of cold, or has colic, give a teaspoonful to cleanse the liver and bowels. In a few hours you can see for yourself how thoroughly it works all the constipation poison, sour bile and waste out of the bowels, and you have a well, playful child again.

Millions of mothers keep "California Fig Syrup" handy. They know a teaspoonful to-day saves a sick child to-morrow. Ask your druggist for genuine "California Fig Syrup," which has directions for babies and children of all ages printed on bottle. Mother! You must say "California" or you may get an imitation fig syrup.

## RADIO DEVELOPMENT

BY LIEUT. JOHN R. IRWIN U. S. AIR SERVICE (RESERVE)

### THE MAGNETIC FIELD.

If a compass needle is placed at various positions near a large bar magnet it changes its direction. This shows that in the space all around the magnet there are forces which act on magnetic poles. If iron filings are sprinkled on a level sheet of paper which will over the magnet the filings will arrange themselves over each end of the magnet; that is, group themselves over the north and south poles. Each little particle of iron acts like a compass needle at a given position. These direction lines, called "magnetic lines of force," all appear to center in two points near the ends of the bar magnet. Two magnetic poles are said to be alike when they both attract or repel the same pole. If one attracts and the other repels the same pole they are said to be unlike. Therefore we learn that like poles repel each other and unlike poles attract each other. In electricity we call these poles positive (marked by the plus sign +) and negative (marked by the minus sign -).

The space around the magnet in which these lines of force exist is called the "magnetic field" and the direction of the magnetic field is the direction in which a compass needle will point if a compass is used as previously described. This needle will always point north.

There is always a magnetic field about a wire where a current is flowing, and this magnetic field has lines of force in the form of concentric circles about the wire. If the current stops the magnetic field, together with its effects, disappears. When the current is started through the wire we may think of the magnetic field coming into being and sweeping outward from the axis as a center. This disappearing and rebuilding of the magnetic field as the current decreases and increases will be made use of in later articles and is the basis in explaining the most important principles which apply in radio circuits.

(Continued in next issue.)

## APPARATUS AND DEVICES

By RALPH BROWN, RADIO ENGINEER

### AUDIBILITY METERS.

An audibility meter is not an absolute necessity for individual experimenters, but where clubs and laboratories are concerned it is a very desirable piece of equipment; it is really essential where comparative tests are made of receivers and telephones, as it reduces the strength of signals to a definite standard basis of numerical comparison; thus, unit audibility, or an audibility of one, is the strength of a signal that is just audible. By means of a variable shunt around the telephone it is possible to reduce the strength of signal to unit audibility. If the proportional current passing through the shunt is known the number of times audibility of signals can readily be determined, provided that at the same time an impedance is introduced in series with the detector output, so as to maintain constant the total impedance across the circuit.

Will readers interested in these radio articles kindly communicate with the editor by mail?

Simpkins, Nelson Kennedy, Adeline Baker.  
 Six carrots, Gordon Baker, Elsie Ledesair, Evelyn Pearson, Charlie Fearn, Evelyn Wise, Thelma Morley.  
 Single carrot, Thelma Morley, Elsie Ledesair, Evelyn Pearson, William Chapman, Gordon Baker, Nelson Kennedy.  
 Five turnips, Albert Hendrie.  
 Single turnip, Albert Hendrie.  
 Six onions, Albert Hendrie, David Grant, Wesley Baker, Charles Fearn, Edward Baker, Margaret Ellerbeck.  
 Single onion, Albert Hendrie, Nora Fearn, Charles Fearn, Cecil Kennedy, Arthur Pearson, David Grant.  
 Bouquet asters, Eunice Heaton, Nora Fearn, Gladys Day, Florence Ledesair, Florence Diles, Leo Mooney.  
 Bouquet sweet peas, Evelyn Pearson.  
 Bouquet mixed flowers, Nora Fearn, Nellie Carroll, Evelyn Pearson, George Turnham, Evelyn Day, Thelma Morley.  
 Potted house plant, Hayward Turnham, Evelyn Day, Gladys Fairbanks, Winnie Ribbens, Thelma Morley, Helen Bradley.  
 Cockerel, Archie Medley, Nile Rodgers, Hayward Turnham, Clifford Davy, Ralph Gibson, George Hull.  
 Pullet, Eunice Heaton, Hayward Turnham, Clifford Davy, Archie Medley, George Hull, Nile Rodgers.  
 Pen three birds, Margaret Kennedy.  
 Cock and hen from home flock, Archie Medley, Mary Keenan, Ronald Gibson.  
 Colt, Orman Laidlaw.  
 Dairy calf, Jack Gibson, Albert Hendrie, Wilbur Price, William Chapman.  
 Lamb, Willie MacRow, Marie Black, Florence MacRow, Kenneth Joyce, Earl MacRow, Francis Black.  
 Five winter apples, Mabel Murray, Gladys Fairbanks, Nora Fearn, Geo. Wartman, Albert Hendrie, Charles Fearn.  
 Five fall apples, Margaret Ellerbeck, Nora Fearn, Mabel Murray, Charles Fearn, Albert Hendrie, David Grant.  
 Sponge cake, Lizzie Maloney, Mildred Wartman, Mary Smith, Gladys Fairbanks, Margaret Koen, Meryl Simpkins.  
 Twelve drop cookies, Mossaline Burt, Margaret Ellerbeck, Evelyn Bracken, Irma Ellerbeck, Ethel Baker.  
 Twelve jelly tarts—Florence McRory, Marion Koen, Evelyn Day, Helen Bradley.  
 Loaf bread—Mildred Wartman, Marion Koen, Evelyn Day, Mossaline Burt, Mildred Burt.  
 Lemon pie—Florence MacRow, Evelyn Day, Rosella Smith, W. W. Ribbens, Mabel Murray, Mae Truedell.  
 Collection six kinds small cakes or cookies—Special—Evelyn Day, Mildred Wartman, Margaret Koen.  
 White apron, fancy—Mae Truedell, Thelma Morley, Grace Day, Helen Bradley, Florence MacRow, Evelyn Day.  
 Clothes pin bag—Helen Morrison, Mary Leonard, Eunice Heaton, Olive Henslip, Margaret Koen.  
 Pillow case—Fiona Spronie, Elizabeth Maloney, Evelyn Day, Helen Burnett.  
 Model mail box—Bert Young.  
 Model food chopper—Arthur Pearson, Richard Beddows, Bert Young, Geo. Hull, Gordon Harros.  
 Model sheep feeding rack—Geo.

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## CANADA RADIO STORES

### IF A CYLINDER LEAKS

In your automobile engine, if it fails to give the power you have a right to expect from it the chances are there is a crack or a break in it somewhere. Our welding will remedy that in short order and it will pay you to let us fix it up for you. All metal breaks quickly mended with oxy-acetylene welding.

## Bishop Machine Shop

KING AND QUEEN STREETS

## DAINTY CAFE

The place where dining out is truly a delight

PRINCESS ST. OPPOSITE BIBBY'S

## City Water and Milk

At present the local Health Commissioner has publicly announced that all city water should be boiled—because it is not pure. Milk can be and, in many cases, is not pure, and to the consumer it is just as injurious to the health as impure water. Milk from PRICE'S DAIRY is pasteurized and clarified, thereby assuring their customers of only the purest milk it is possible to get.

## PRICE'S DAIRY

## Shoes of Higher Quality

Fashionable women who desire the perfect fit and graceful lines that are found only in high-grade footwear will be greatly impressed with the styles we are showing.

## The Sawyer Shoe Store

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## HEMORRHOIDS

Do not suffer another day with itching, bleeding, or protruding piles or hemorrhoids. No surgical operation required. Dr. Chase's treatment will relieve you at once and afford lasting benefit. For a box all dealers or Edmanson, Bates & Co. Limited, Toronto. Sample box free.