

Properties For Sale

Wiley Street—One Frame House, 6 Rooms, 1 bathroom, with kitchen addition, 10x20; Good cellar, newly painted outside this spring, decorated inside last year; Lot about 35x90. A snap at \$2,600; terms

Nelson Street—One House, 6 Rooms and bathroom, with kitchen addition, 10x20; good cellar; Lot about 32x132; good value at \$2,500; terms.

Woodland Avenue—2 Frame Houses, 6 Rooms and bathroom with kitchen addition; 10x20, good cellar; Lots about 35x80; well worth the money; \$2,500; terms

Russell Avenue—One Pebble-dash House; 6 Rooms; 3-piece bathroom; good cellar; hot air furnace, chestnut barn; lot about 33x78. A bargain at \$3,200; terms

Russell Avenue—2 Frame Cottages; 4 Rooms; cheap at \$1,500 each; terms to suit.

FOR PARTICULARS AND TERMS APPLY

The St. Catharines Improvement Corporation, Limited

49 St. Paul Street Phone 1107



The CANDY Cathartic

"Really DELICIOUS"

Cascarets

FOR CONSTIPATION

THEY WORK WHILE YOU SLEEP

DEPARTMENT SOLDIERS' CIVIL RE-ESTABLISHMENT

It is notified for the information of men discharged from the Canadian Expeditionary Force who require Medical Treatment, that

DR. J. SHEAHAN

will act as Medical Representative of the Department Soldiers' Civil Re-Establishment in and for the City of St. Catharines

English Health Salts

Large Cans 35c

Camphor Flakes

Pound Packages 25c

Moth Balls

Per Pound 30c

Water Glass

Per Pound Can 18c; 2 Lbs. 35c

WALKER'S EAST END DRUG STORE
297 ST. PAUL STREET

USE A HYDRAULIC RAM

Now Recognized As the Cheapest Power for Pumping.

When and How It is Used—Complete Information Given—Tuberculosis Cows a Menace to Health—How Tubercular Test is Made—Why It Pays Farmer to Test Cattle and to Disband Renctors.

(Contributed by Ontario Department of Agriculture, Toronto.)

WHEN conditions are suitable for an hydraulic ram it is without question the cheapest and most satisfactory method of pumping water. It has one drawback—it wastes far more water than it pumps to the buildings, and hence can only be installed where the supply is from five to twenty times as great as required at the buildings. The efficiency of the ram is from 68 to 80 per cent, i.e., it uses 68 to 80 per cent of the energy of the falling water. Suppose the spring supplies 10 gallons per minute and the fall from the spring to the ram is five feet. Multiply these together and then take 65 per cent of the product, and we have the energy available for driving water to the buildings.

Energy in this case 65-100 x 10 = 650 foot-gallons—32.5 foot-gallons. Now divide this by the height of the buildings above the ram and we have the number of gallons the ram will deliver per minute at the buildings. If, for example, the height is 32.5 feet then Number of gallons per minute = 32.5 divided by 32.5 = 1 gallon, which is 1-10 of the water supplied by the supposed spring.

Number of gallons per day = 60 x 24 = 1,440 gallons (about 23 barrels). Consequently with five feet of head and 32.5 feet of lift the ram will deliver at the buildings 1-10 of the water in the spring. The quantity that will be delivered with other heads, lifts and spring-flows may be calculated in a similar way.

Generally speaking it is found that for each 10 feet of lift there should be one foot of head, but there is a limit—it is seldom advisable to install a ram where the head is less than one foot. Although they have been known to work with as little as 18 inches. The length of drive pipe should not be less than three-quarters of the vertical lift to the buildings, or less than five times the fall from the spring to the ram. It may, however, be longer, but seldom exceeds 50 feet, and 75 feet might be taken as an extreme length for a run of ram suitable for farm conditions. If too long a drive pipe is used, the extra friction it prevents the water from striking as heavily or as frequently as with a drive pipe just the right length.

The cost of installing a ram is not great. For the smallest size of ram it will run in the neighborhood of \$25 to \$35 and about \$15 extra for each hundred feet between the spring and the ram. Thus if they were 100 feet apart the total cost would be from \$40 to \$50. If 200 feet apart, from \$55 to \$65, and other distances in proportion. The largest size of standard ram can be installed at about \$100 if the ram and pump are 100 feet apart, and \$125 if 200 feet apart.—R. R. Graham, B.S.A., O. A. College, Guelph.

Tuberculosis in Cattle. One reason why farmers should have their cattle tested for tuberculosis is the financial loss which they suffer by having tubercular animals in their herds. As the disease is a great stayer in development and does not induce sudden death, like anthrax, black leg or hog cholera, the farmer does not realize the loss that he endures by having tubercular animals in his herd until one or more animals develop the disease in an advanced degree and die or are slaughtered, when they are at once seen to be infected with the disease. Such animals will have had the disease a long time without it being suspected and will have been giving off in their milk, saliva and droppings large numbers of tubercular bacilli. In this way the bacilli are spread around, the food, water and atmosphere in the stable get contaminated with them and other animals come in contact with the disease from these contaminated materials.

The tuberculin test will indicate whether or not an animal is tubercular long before any clinical symptoms are visible, thus enabling one to deal with such an animal before it becomes a dangerous spreader of the disease.

When an animal is shown to be tubercular it should not be allowed to mix with the rest of the herd. When cattle are purchased to add to the herd it should be only when subject to the tuberculin test, as cattle may have every visible indication of good health and yet be tubercular, the disease not yet having developed to an advanced degree.

It is therefore strongly recommended that farmers 1st. Have their herds tested for tuberculosis with the tuberculin test. 2nd. That they slaughter the calves that have the disease in an advanced degree. 3rd. That they separate the cattle that react to the test from those which do not react.

4th. That they remove the calves from tubercular mothers as soon as dropped, and feed them on milk from healthy cows or on their mother's milk after it has been properly pasteurized, i.e., after it has been heated to 145 deg. F. for half an hour.

5th. That they apply the tuberculin test to every new purchase of cattle that are to be placed in the clean herd. 6th. That the herd be tested with tuberculin annually.

Observing Tuberculosis For the Test. The manufacture and supply of tuberculin is kept under the Dominion Government control. It is required that a veterinarian be employed by the farmer to make the test.—Prof. Dan. H. Jones, Ontario Agricultural College, Guelph.

Beecham's Pills

Largest Sale of any Medicine in the World Sold everywhere, in boxes, 25c.

70,000 TELEGRAPHERS STRIKE ON WEDNESDAY

CHICAGO, June 10.—After a conference with other union officials today S. J. Koenekamp, International President of the Commercial Telegraphers' Union of America stated that final steps have been taken for the nation wide strike of 70,000 telegraph and telephone operators next Wednesday.

"Telegrams from all sections of the country show the determination of the workers to win their fight," he said.

ADVERTISE IN THE JOURNAL



DR. ARTHUR B. COBB

Dentistry

Of all tests of real merit the test of time is the greatest.

Anything that lacks merit can not survive the test of passing years.

Our Dental Offices have stood the test of time. We have been established in Buffalo for more than twenty years, and with each passing year our business has expanded and our fame for skilled Dentistry has spread.

Patients of twenty years ago are still our patients, and they have remained loyal to us only because we have served them faithfully.

If your teeth require Dental attention and you recognize the great importance of having a skilled Dentist to treat them, it is to this Office that you may safely turn, well knowing that you will receive the best of care promptly and at the lowest cost.

Offices 308-378 Main Street, Corner of Eagle

Open until 8; No Sunday work. Phone: Seneca 405.

Known formerly as White Dental Office.

KING GEORGE THEATRE

TO-DAY and TUESDAY

ALICE JOYCE

In the Six-Act Super Feature

"The Lion and The Mouse"

A Screen Adaptation of the Famous Stage success by the late Chas. Klein

GIRLIES AND GRUBBERS

The Special Vitagraph Two-Reel Comedies

THE STRAND COMEDIES

British-Canadian News Mat. 10c; Eve. 15c and 10c

GRAND TRUNK RAILWAY SYSTEM

Double Track Route

Between

Montreal, Toronto,

Detroit and Chicago

Unexcelled Dining Car Service

Sleeping Cars on night trains and Parlor Cars on principal day trains.

Full information from Grand Trunk Ticket Agent, or C. E. Horning, District Passenger Agent, Toronto, Ont.

C. J. HARRIS, Agent

106 St. Paul Street

Phone 947

Rates for Telephone Service

THE new rates for Long Distance Service, effective May 25th and based upon air-line mileage, correct inequalities in the old schedule and embody both increased and decreased charges.

Following is a comparison of old and new rates for a 3-minute talk to points most frequently called by local subscribers:

	OLD RATE	NEW RATE
St. Catharines to Hamilton	\$.30	\$.30
Toronto	.40	.30
Brantford	.40	.40
London	.60	.70
Guelph	.40	.45
St. Thomas	.60	.70

The hours during which reduced Long Distance rates (night rates) are in effect are now

From 8.30 p.m. to 11.30 p.m., 60 per cent of day rate

From 11.30 p.m. to 6 a.m., 40 per cent of day rate

Night rates are based on Standard Time

LOCAL SERVICE

Rates for local service to present subscribers will be increased ten per cent, effective from July 1st next.

Applicants for service will be charged at the increased rates, from May 25th.

Every Bell Telephone is a Long Distance Station

The Bell Telephone Co. of Canada



Electric Water Systems for Rural Homes

GIVES—A modern bathroom, hot and cold water at your finger tips.

An indoor closet, properly flushed by an abundance of clean water.

Hot and cold water in the kitchen a saver of time and labor.

Water for the stock, or to wash your car in fact water where you want it.

See the Paul System, (it is not an experiment) at

J. H. SANDHAM COMPANY

ELECTRICAL DEALERS

237 St. Paul Street Telephone No. 1112

Tires! Tires! Tires!

Single! Tires at Wholesale! Prices. The Cheapest Tires Ever Sold in the City.

We buy, and sell

30-3 1/2 Plain \$14.50; Non-Skid \$17.00

32-3 1/2 Plain 18.50; Non-Skid 20.00

32-4 Plain 24.50; Non-Skid 26.00

32-4 Plain 25.50; Non-Skid 27.50

33-4 Plain 26.50; Non-Skid 29.00

33-4 Plain 28.00; Non-Skid 30.00

34-4 Plain 34.00; Non-Skid 37.00

Sizes to 37 x 5 at Cut Rate Prices

Every Tire Bears the Manufacturer's Name and Serial Number

St. Catharines Tire Co. - - 42 Geneva St.

The Wide Outdoors

pure health-giving air and miles of beautiful surrounding country are yours for the asking, if you own a car.

Of course, you want the tires kept up in good condition and don't want to entrust them to bungling amateurs.

That's why you'll be interested when you meet with a puncture, (cu or other tire troubles in our work in

Vulcanizing

We have ample facilities for vulcanizing tires and tubes. The latest machinery, tools and equipment, backed by fifteen years' experience in the tire industry, place us in a position to give you the very best results.

Phelan's Vulcanizing Works

Rubber Tires For All Vehicles Tire Repairing of All Kinds

Opp. Glen Ridge Bridge We Sell Tires of All Makes

20 St. Paul St. W. Phone 734 House Phone 732

FREE AIR AT YOUR SERVICE



MARY HAD A LITTLE LAMB— IT WAS THE WORST OF SCAMPERS— SHE SOLD IT'S WOOL; AND MADE AN HUE THEN BOUGHT WAR-SAVING STAMPS

Fresh easterly winds. Easterly winds, fairly warm.

ESTABLISHED 1855

MEETING IN CITY PARK FOR THE

Large Gathering Listened to Address by Prof. Speakers.

Quite a large gathering was present in Montebello night and listened with interest and close attention to the address delivered by Mayor of Brantford and Mr. Allan M.P.P. of Hamilton. Mr. presided and introduced the who had previously appeared an audience in Merriton, home will speak in Port tonight.

Mayor McBride is a mandating platform appearance and moderate in and conveys the impression who believes in the work getting the best wages a conditions they can but he these things being secure constitutional lines. He stressed profiteers and said that of the country and its con the hands of a small group ciers who grew rich out of rest payments. He called the blunderbuss and said working man of this count titled to a larger share in they helped to produce and going to get it.

Mr. Stathome wandere able in his address and d finger to cold hard facts ing as well as he can when He reviewed the hard time Zealand had one known as the late premier Dess S Ward, out of the ranks of crs had risen and saved. They were honest, courage who appealed to the sense of ing classes. What had be New Zealand could be de ada which was now burd heavy debt and interest.

Mr. Stathome discuss cost of living and the fo the "big fellows" that w in the pinto. The work produced the wealth of and were entitled to hav voice in the government o They should give Gr politicians both a wide b a man who was friendly to ed to the Legislative halls. Both speakers were list close attention.

PRINCE TO FLY IN C

Toronto, June 11.—The Wales will be one of the in Canada's new flying C inaugurated during the C.

The Dominion Govern asserted to the plan for of flying circus, which will b of 250 aeroplanes, that b been surrendered by the have been presented to the Governments of Gre France and Italy. The circus is already pr enized, and its compleme el is composed of such well adian "aces" as Barker, Bis Keever.

The first shipment of ad ing conveyed on ten railw now on its way to Toronto sixty-five aeroplanes, and number will eventually be the exhibition grounds in to be assembled and teste exhibition opens.

WOMEN MAKING H

SPRINGFIELD, June is the first state to ra the suffrage constitu tion. The General As proved the measure yes vote in the Senate was while in the House the to 2. At Madison the W. legislature yesterday ratifie al suffrage amendment, bly voting 54 to 2 and 1 to 1.

AUSTRIANS ASK JOIN

PARIS, June 11.—T delegation at St. Germa Germany to protest ag against the rigor of the Presented to Austria. Agencypays it is inform able source. The repor the Austrians is unfav mented upon here.