

HOW TO GET RID OF RHEUMATISM

"Fruit-a-tives" Point the Way to Quick Relief

VERONA, Ont., Aug. 5.—"I suffered for a number of years with Rheumatism and Severe Pains in my Side and Back, caused by strains and heavy lifting. When I had given up hope of ever being well again, a friend recommended 'Fruit-a-tives' to me and after using the first box I felt so much better that I continued to take them; and now I am enjoying the best of health, thanks to your wonderful fruit medicine".

W. M. LAMPSON, "Fruit-a-tives" are sold by all dealers at 50c. a box, 6 for \$2.50, trial size 25c.—or sent postpaid by Fruit-a-tives Limited, Ottawa.

GREAT BRITAIN FEELS OPTIMISTIC

Is Statement of Lieut. Col. Thompson of Haldimand

By Courier Leased Wire. Ottawa, Ont., Aug. 5.—Lieut. Col. Andrew Thompson, former Liberal M.P. for Haldimand County, who went overseas in command of a battalion from Ontario returned to Ottawa last night from overseas. He stated that when he had left England the pendulum of war was swinging distinctly to the optimistic side. Col. Thompson was invalided home following a serious operation. Two of his sons are also back from the front after service. Captain A. R. Who was wounded at Passchendaele and Lieut. W. P. Who has been discharged as an permanently unfit as the result of gunshot wounds.

HELP SAVE WESTERN CROP

20,000 Farm Laborers Wanted \$12 to Winnipeg

Plus half a cent per mile beyond. Returning, half a cent per mile to Winnipeg, plus \$18.00. Comfortable Through Trains, Lunch Service at moderate prices, Special Accommodation for Women and a Scenic Route by E.N.M. Excursion Dates from From Toronto Union 10:00 p.m., Aug. 22nd and 29th. Special Train Service: Nearest C.N.R. Agent—J. S. Dowling & Co., Ltd., City Agents, Brantford. For information see: Nearest General Passenger Dept., 68 King St. E., Toronto, Ont. Ask for "Harvester Work and Wages" Leaflet.

CANADIAN NORTHERN RAILWAY

carried on until German military planes fell. Resumed. Paris, Aug. 6.—The German long range bombardment of Paris was continued to-day.

USE A HYDRAULIC RAM

Now Recognized As the Cheapest Power for Pumping.

When and How It is Used—Complete Information Given—Tubercular Cows a Menace to Health—How Tubercular Test is Made—Why It Pays Farmer to Test Cattle and to Discard Reactors. (Contributed by Ontario Department of Agriculture, Toronto.)

WHERE conditions are suitable 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 65 to 90 per cent, i.e. it uses 65 to 90 per cent of the energy of the falling water. Suppose the spring supplies 10 gallons per minute and the fall from the spring is 100 feet. The ram will deliver 65 to 90 per cent of the energy available for driving water to the buildings.

Energy in this case 65-100 x 10 x 5 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 2 1/2 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 rams where the head is less than six feet, 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, nor less than five times the fall from the spring to the ram. It may however, be longer, but seldom exceeds 60 feet, and 75 feet might be taken as an extreme length for sizes of ram suitable for farm conditions. If too long a drive pipe be 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, but if 200 feet then 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.

Lindell's schoolhouse, a farmer's dwelling and several barns were burned in a serious bush fire south of Cultus Lake, not far from Chilliwack.

MANY RECEIVE PENSIONS
Upwards of 16,000 men, women and children are now receiving pensions through the district office of the Pensions Board. About 60 per cent of the men receiving disability pay are married and have families averaging three children each. There are in the district list 1,003 widows, 2,101 children, 44 guardians, 37 orphaned little ones, 377 dependents and two nursing sisters.

DON'T WORRY ABOUT THAT RUPTURE
We fit trusses and know how. Trusses priced from \$1.50 to \$10.00. Satisfaction guaranteed. Brander's Drug Store, Corner Market and Dalhousie streets.

Every 10c Packet of **WILSON'S FLY PADS** WILL KILL MORE FLIES THAN \$8.00 WORTH OF ANY STICKY FLY CATCHER.
Clean to handle. Sold by all Drug, Grocers and General Stores.

MARKETS

Butter	0 49	to 0 50
Eggs	0 00	0 48
Cherries	0 00	1 50
Raspberries	0 00	0 25
Grain		
Hay	12 00	13 00
Oats	1 20	1 24
Rye	1 60	1 66
Straw, baled	5 00	7 00
Wheat	2 10	3 10
Barley	1 00	1 00
Vegetables		
Beans, quart	0 00	0 5
Beans, peck	0 00	0 30
Cabbage, doz	0 90	1 50
Cabbage, head	0 10	0 30
Cabbage, head	0 10	0 25
Carrots, basket	0 00	0 25
Green Onions, b'ch	0 30	for 10c
Celery, 2 1/2	0 35	0 15
Parasols, basket	0 00	0 15
Potatoes, per bushel	0 00	1 60
Potatoes, bag	2 00	2 40
Turnip, bushel	0 40	0 50
Lettuce, bunch	2 for 15	0 08
Tomato plants, doz.	0 15	0 15
Asparagus, bunch	3 for 25	1 2c
Green peas, quart	12 1-2c	1-2c
New Beets, bunch	10c	3 for 25c
Fish		
Halibut, steak, lb.	30	30
Kipped herring, pr. 0	10	0 15
Salmon trout, lb.	0 20	0 23
Salmon, sea	0 30	0 30
Mixed fish	0 10	0 12
Herring, fresh	0 10	0 15
Meats		
Dry salt pork, lb.	0 30	0 35
Fresh Pork carcass	0 11	0 24
Bacon, back trim.	35	50
Bacon, back	45	45
Beef, boiling, lb.	0 20	0 25
Beef, roast, lb.	25	30
Beef, steak	40	40
Chickens, dressed	1 60	1 95
Chickens, per lb.	0 00	0 35
Celery plants	15	for 15c

House Snaps!

\$3,500.00—3-storey Brick, on Queen street, with finished basement in 3 apartments, with furnace, electric light, city and sewer water, 11 rooms, 8 bedrooms, some with clothes closets; complete bath. This is a very central, and a money-maker for the right party. Side drive, immediate possession. \$800 cash will handle.

\$4,150.00—Red Brick, double house, on Erie avenue, 2-storey with 3 apartment cellar, front veranda, electric light, hard and soft water, 7 rooms in each. Will be sold separate or together. Side drive to each side. \$300 each will handle.

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Carting, Teaming
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Phone 638

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D. L. & W. Scranton Coal

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Everything Clean and Fresh
Try us for your Fish Dinner
Meals at all hours.

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Cleaning, Pressing, Repairing and Altering.
G. H. W. BECK
Bell 560. 132 Market St.

PRINTING!

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Agent for Ely's Neckwear
Agent for Aertex Underwear
"Boralino" and other High-grade Hosiery
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GENERAL CONTRACTOR AND BUILDING MOVER
Contracts Made for Moving Any Buildings, Large or Small
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43 Market Street. Phone 961.

BANK OF HAMILTON

BUSINESS that will foster the growth of Canada receives primary consideration in the extension of credits by the Bank of Hamilton. It is in the national interest that exports be largely increased and that Canadian-made products should take the place of imported goods.

BRANTFORD BRANCH
C. A. Laing.

Valentine Cantagiona, an Indian who lived in a tree-stump at Hastings, terrorizing the people of that locality, has been captured by the police of Vancouver, B.C.

TO THE PUBLIC

In order to assist the Canada Food Board in the conservation of Food for the Allies, and to save money for our customers

The Royal Cafe

has introduced a Combination Menu, with all summer delicacies, at Special Prices—see our new menu cards and prices. Our idea is to furnish meals for hot weather "when cooking is not pleasant" cheaper than you could prepare them in your own home, fresh, and of the best quality, at rock bottom prices. Come and give us a trial. Our Motto—Service and Cleanliness Always.

Special Combination Meal Tickets for Sale. Good for meals at any time.

The Royal Cafe
Phone 1853. 151 Colborne St.

WITH SMILES AND JOKES

Parisans Greet Resumption of the Long Range Shelling

Paris, Aug. 5.—Contemptuous smiles and jocular remarks greeted the first explosions of the German long range shell in the Paris region to-day, because a resumption of the bombardment at this time was exactly what the population expected, the Germans to do. Despite the inclement weather scores of persons sat indifferently in the cafes saluting each shell with caustic comments. Expressions of rage and hope of revenge soon were heard, however, when it became known that somewhere in the vicinity of Paris women and children had been killed by the German shells. Renewal of the bombardment lost his life while flying at Kingston of Paris to see that the war

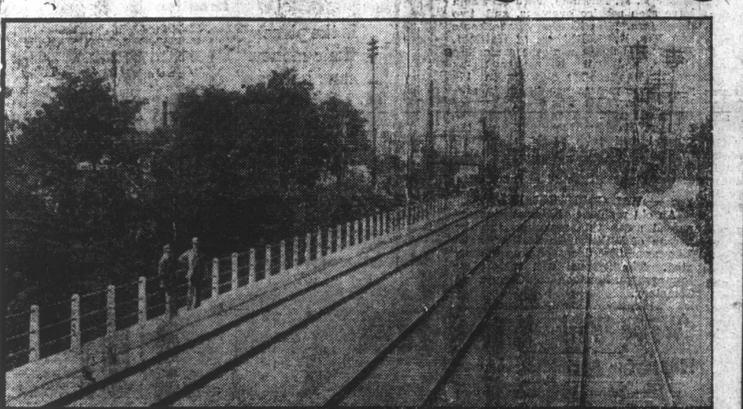
LOCAL NEWS

THE MARKET.
Fruits of several varieties were on sale at the market this morning despite the rain, the attendance was large, and a brisk trade was done.

VEPS MAY TAKE ACTION.
The local branch of G.W.V.A. is considering action on the proposal for the distribution of post cards among American troops passing through the city. Such cards, if stamped, could be provided at a comparatively low cost, and would be gladly received by the G.W.V.A. members and sent to all parts of the U.S. The veterans are likely to act in conjunction with other bodies in the city.

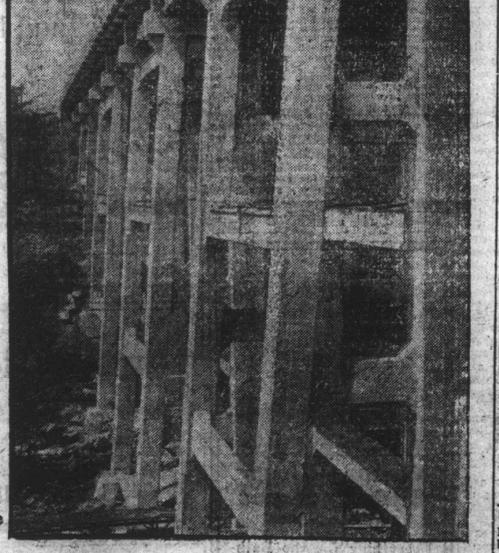
Impressive ceremony at Trail, B.C. marked the funeral with full military honors of the late Roy Weir, a well known Trail young man, who lost his life while flying at Kingston airplane training camp.

Record In Concrete Bridge-Building



THE double tracking of the North Toronto Sub-division of the Canadian Pacific Railway between Leaside and North Toronto is now nearing completion, and involves the replacement of bridges (known as 0.9 and 1.8) which heretofore had been trestles constructed of steel. Owing to the high price of steel and the difficulty of procuring it since the war began it was found that reinforced concrete competed successfully against steel.

The bridges were therefore constructed of this material and are a triumph of railway construction work, No. 0.9 being 386 feet long and 90 feet high carrying two tracks, and No. 1.8 of similar dimensions, but a three track structure. The length of the individual spans and the details of their construction are unprecedented in the engineering world. Previous to this no reinforced concrete beam with a length of more than about 25 feet had been attempted; the spans of these two C. P. R. structures are each from 25 to 37 feet long. These spans have been made possible by the employment of unit construction by which each span was designed as two T-beams which, after being manufactured near the work, were laid side by side on the previously built reinforced concrete towers. The towers themselves are really reinforced concrete buildings constructed in the usual manner by means of wooden forms built around a steel reinforcement which was previously assembled and securely wired together. When all was in readiness the concrete was poured by means of long spouts which led in several directions from the main mixing tower. The pouring of the concrete was maintained as continuously as possible until a whole tower was completed. This work was done during the winter at a time when the temperature was below freezing point; it was performed inside of what was virtually a building erected to maintain a suitable temperature around the newly deposited concrete until it was out of danger of being damaged by frost.



artistic in appearance and at the same time satisfactory from a general and utilitarian point of view, besides being absolutely permanent. Both are designed to carry the heaviest engines in existence with a considerable margin of safety, and are epoch-making in the art of bridge engineering inasmuch as they have demonstrated that reinforced concrete can take the place of steel for a very large number of permanent bridges.

These two structures are so solid that when passing over them on a train one gets the impression that he is on a solid fill instead of a bridge. The method employed in the erection of the reinforced concrete spans is a specially interesting feature of the structures. Each slab, as a unit, weighed 55 tons, which—as the limit load that could be handled by the C. P. R. 100-ton standard trucking cranes. The cranes engaged handled no less than 110 slabs, each 55 tons in weight, or in all something like 6,000 tons, and all this was done without a single mishap to either men or material. Another remarkable feature is that both structures were built without intermission from June, 1917, to July, 1918, which was a shorter period than would have been required to manufacture and erect similar structures in steel. Passenger and freight traffic on the C. P. R. main lines was continued without interruption during the process of these interesting works.

market day.
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