

N. B. HOWDEN EST.

can save you money and give you quality.

- Heinz Pork and Beans.....25c
- Clark's Pork and Beans...10c to 25c
- Redout Salmon.....40c
- La Crasse Salmon.....38c
- Cascade Salmon.....28c
- Carnation Milk (large can).....18c
- Carnation Milk (small can).....8c
- St. Charles Milk.....15c
- Red Band Raisins.....15c
- Griffith's Seedless Raisins.....15c

Try us with your next order.

Canada Food Board License No. 8-017.



Seeing is Knowing

The glass oven door and the oven thermometer on the Pandora Range make baking an exact, absolutely controlled operation.

You can see precisely how the oven is working—how fast or slow.

For Sale by T. DODDS & SON

McClary's Pandora Range

London Toronto Montreal Winnipeg Vancouver
St. John, N.B. Hamilton Calgary Edmonton Saskatoon

TRENOUTH & CO.

DEALERS IN

Flour, Oatmeal, Cornmeal, Wheat Kernells, Flaked Wheat and Barley, All Kinds of Feed, Grain, Seeds and Poultry Food.

We Carry a Full Stock of

INTERNATIONAL STOCK FOOD FOR HORSES, CATTLE, SHEEP, HOGS AND POULTRY.

CALDWELL'S MOLASSES MEAL AND THREE DIFFERENT MAKES OF CELEBRATED CALF MEAL

ALL KINDS OF GRAIN TAKEN IN EXCHANGE Chopping and Rolling Done While You Wait
PHONE 39

GRAND TRUNK RAILWAY SYSTEM

TIME TABLE

Trains leave Watford Station as follows:

GOING WEST	
Accommodation, 75.....	8 44 a.m.
Chicago Express, 13.....	1 16 p.m.
Accommodation,	6 44 p.m.
GOING EAST	
Accommodation, 80.....	7 32 a.m.
New York Express, 6.....	11 16 a.m.
New York Express, 18.....	2 52 p.m.
Accommodation, 112.....	5 16 p.m.
C. Vail Agent Watford	

COMPLIMENTARY addresses are charged for at five cents a line. Minimum 50c. The report of the proceedings is news and is not charged for.

Fall Term from Sept. 3rd

CENTRAL Business College

The call for trained help is greater now than ever before in the history of Canada. Our graduates are securing splendid positions. We have Commercial Shorthand and Telegraphy Departments. If you purpose taking a business college course during fall or winter months, write now for our free catalogue.

W. J. Elliott, President. D. A. McLachlan, Principal.

ZAM-BUK

Purely Herbal—No poisonous coloring
Antiseptic—Stops blood-poison
Soothing—Ends pain and smarting, etc.
Pure—Best for baby's rashes.
Heals all sores.

50c. box. All Druggists and Stores

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 for a 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 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 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 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 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 say two 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 50 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 in 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.

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 at first slow 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 tuberculosis 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 rotten 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 tuberculi bacilli. In this way the bacilli are spread around, the food, water and atmosphere in the stable get contaminated with them and other members of the herd contract 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 animals 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.

Obtaining Tuberculin 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.

Mouth Veil is Latest.

Just to prove that variety is all that is needed in the world of fashion to interest femininity, gaze on the new veils which are designed for afternoon and evening wear and already show signs of becoming popular. The new veil swatches the lower half of the face, giving the upper half a rest, and reaches from the tip of the nose to far below the chin. Smart women are probably growing tired of the nose veil and the veil for the chin and mouth will doubtless be a welcome change. The harem veil, which made its appearance last summer on the bathing beaches, suggested the new one and the designers, disregarding the original purpose of the beach veil as a protector from the sun, are using the idea for evening wear. It is never worn with a hat and is tied about the head like a scarf.

In Dyeing Anything.
Remember, in dyeing anything, that to get the best results the things that you dye must be free from dirt. Boil them clean in a boiler of water and then rinse them thoroughly in clear cold water.

CASTORIA

For Infants and Children
In Use For Over 30 Years

Always bears the Signature of *Chas. H. Tutcher*

Enemy Quickly Disappeared.

An official of a railway which passes through Philadelphia, I am told, was in the habit of expressing his war sentiments without restraint to his private secretary, Girard writes in the Philadelphia Ledger. These sentiments were derogatory to the allies and favorable to Germany. One day at the end of a particularly vehement tirade the secretary said: "I trust, sir, that what you have said does not represent your real feelings on the subject." "I mean every word of it," said his employer. It was just after a fire had taken place in a nearby city and the responsibility had been laid at the doors of German hirelings whose enterprise the railway man extolled. "Then I shall be obliged to arrest you," said the secretary, throwing open his coat and showing the badge of a secret service agent. The indiscreet official is now supposed to be in a place where what he may have to say in praise of kultur will reach a severely limited audience.

By Twists Teacher's Words.

A Greenacastle young woman teacher in the Peru (Ind.) high school a few days ago had a vision of her job leaving because of a violent protest lodged against her by a patron. The teachers were at a meeting when the protest came up. The patron accused the teacher of calling her boy "a scurvy elephant." The teacher was dumfounded when she heard the charge, and could not recall making any such remark. The corps of teachers went to work to attempt to unravel the mystery. Finally it was solved. The teacher had told the boy "He was a disturbing element," and the boy mistook what she said for "A scurvy elephant."—Indianapolis News.

Scotch experimenters have succeeded in making news print paper with about 35 per cent of saw dust and 30 per cent of waste paper as ingredients.

A kitchen spoon has been patented that has a perforated bowl terminating in three narrow fork tines and has more than fifteen uses, its inventor claims.

No child should be allowed to suffer an hour from worms when prompt relief can be got in a simple but strong remedy—Mother Graves' Worms Exterminator.

SELF DEFENSE

DEFEAT BACKACHE AND KIDNEY TROUBLE WITH ANURIC.

Many people in Canada have suffered from rheumatism and kidney trouble and have found Anuric to be the most successful remedy to overcome these painful and dangerous ailments.

The lucky people are those who have heeded Nature's warning signal in time to correct their trouble with that new discovery of Dr. Pierce's called "Anuric." You should promptly heed these warnings, some of which are dizzy spells, backache, irregularity of the urine or the painful twinges of rheumatism, sciatica or lambeago. To delay may make possible the dangerous forms of kidney disease, such as diabetes or stone in the bladder.

To overcome these distressing conditions you should take plenty of exercise in the open air, avoid a heavy meat diet, drink freely of water and at each meal take Dr. Pierce's Anuric Tablets (double strength). You will, in a short time, find that you are one of the firm indorsees of Anuric, as are many of your neighbors.

Send Dr. V. M. Pierce, Buffalo, N. Y., or Bridgeburg, Ont., 10c for trial pkg.

St. Catharines, Ont.—For several years I suffered with gravel and with uric acid, causing rheumatic pains. Nothing ever helped me until I commenced to take 'Anuric,' and the first thing I noticed was that the gravel had disappeared and has never made a reappearance. My general health has improved and I have a better nerve condition and my eyesight seems better, too. I used to have such dizzy spells at times I thought I would faint, but these no longer trouble me. My only regret is that I did not know of Anuric before.
—Mrs. H. MARJORAM, 124 Albert St.

NOTICE

HOW ARE YOU GOING TO HEAT YOUR HOUSE NEXT WINTER?

HOT WATER OR HOT AIR?

If you are going to—PUT IN THAT BATH ROOM—this summer, don't fail to get our price.

HEADQUARTERS FOR Pumps, Cylinders, Sinks, Pipe and Fittings, Eavetroughing, and Repairing of all kinds. No job too big and no job too small.

Prices Right. All Work Guaranteed

C. H. BUTLER
PHONE 85-2. WATFORD

INSURANCE

J. H. HUME.

AGENT FOR FIRE, ACCIDENT AND SICK BENEFIT COMPANIES.

REPRESENTING Five Old and Reliable Fire Insurance Companies

If you want your property insured, call on J. H. HUME and get his rates.

—ALSO AGENT FOR—
P. R. Telegraph and Canada Permanent Loan and Saving Co.

Local Agent For C. P. R.—Tickets to all points in Manitoba, Northwest and British Columbia

THE LAMBTON

Farmers' Mutual Fire Insurance Company.
(Established in 1875)

JOHN W. KINGSTON PRESIDENT
JAMES SMITH VICE-PRESIDENT
ALBERT G. MINIBELLY DIRECTOR
THOMAS LITHGOW DIRECTOR
GUILFORD BUTLER DIRECTOR
JOHN PETER MCVICAR DIRECTOR
JOHN COWAN K. C. SOLICITOR
J. F. ELLIOT FIRE INSPECTORS
ROBERT J. WHITE
ALEX. JAMIESON AUDITORS
P. J. MCHWEN
W. G. WILLOUGHBY, MANAGER AND
Watford. SEC. TREASURER
PETER MCPHEDRAN, WATFORD P. O.
Agent for Warwick and Plympton.

A new electric flashlight pistol of French invention for scaring criminals not only displays a bright light when the trigger is pulled, but also makes a noise like a real weapon as well.

For the convenience of tourists a clothing closet has been invented with a wire frame which can be folded and carried in a trunk and opened and hung on a nail when a hotel room is reached.