

Say It with Flowers



The Sawell Greenhouses

To the Farmer:

The purchase of a Piano or Victrola is only purchased invariably once in a lifetime. Therefore it behoves the purchaser to get the best and make sure you have the best.

I have had 25 years experience in tuning and repairing musical instruments, therefore feel quite confident I can choose the best instruments on the market.

I shall be pleased to place any instrument in your home beside any other in fair competition and let you yourself be the judge, without you feeling under any obligations absolutely. I can also save the purchaser quite a few dollars on account of my expenses being so low. I will always give you my best personal service and devote the whole of my time to supplying the country people. A postcard or telephone call will oblige.

Yours truly,

F. WATERS

Telephone 30-4, Waterdown

Dealer in "His Master's Voice" Victor Victrolas, Records, Etc

A. C. SINCLAIR

AGENT FOR

Massey-Harris Farm Implements
O. K. Potato Planters and Diggers
Louden Stable Equipment

A Good Stock of Repairs Always on Hand

Phone 186

Waterdown

ALTON'S

HARDWARE AND GARAGE

Battery Service Station
Batteries Re-Charged

A Good Line of Tires at \$15

Alton Bros.

Phone 175

Waterdown

THE FARM CISTERN

A Good Supply of Soft Water a Household Boon.

The Farmer's Wife and Daughter Will Appreciate It—Location of the Cistern — Advice Given for Local Installation.

(Contributed by Ontario Department of Agriculture, Toronto.)

Lucky indeed is the farmer who can boast of a never-failing supply of pure and fresh water from well or spring on his premises. Its value cannot be reckoned up in dollars and cents. Another source of water supply on the farm is the rain water caught on the roofs of the buildings and stored in large underground tanks, called cisterns. It is commonly called soft water in contrast to the hard water of wells and springs.

A Supply of Soft Water a Boon.

Every housewife who is fortunate enough to have a plentiful supply of soft water for washing dishes, clothes and woodwork, and for use in the bath, knows well how much superior it is to hard water. It saves a lot of soap, and the operations are more easily carried out and the results more satisfactory. This valuable supply of water comes down from the clouds in fairly copious amounts month by month, and costs nothing except a small outlay, probably \$150, once in a lifetime for cave-trenching and a storage tank or cistern.

Over Ontario the average rainfall from April to December is about 2 1/2 inches per month, and if all the buildings of an average-sized farm were provided with cave-trenching, no less than four barrels of water per day on the average over the whole year would be collected. This quantity of water will serve efficiently a family of six living in a home equipped with modern plumbing fixtures. The only draw on the well, or hard water, supply would be the amount required for drinking and cooking purposes.

A Good Cistern a Necessity.

To safeguard against a shortage of soft water in times of drought and during the winter season when rains are scarce, the cistern should be large enough to hold a two or three months' supply. This would require a storage tank at the very least 10 feet square and 10 feet deep, or its equivalent in different dimensions, or two smaller tanks having together this capacity. It is well to remember that the tank built in the cubical form, say 10x10x10, is more economical than one of the same size but oblong in form (6-2-3x15x10) for example. The cylinder form takes even less material than the cubical, but it may be a little slower and harder to build. Sometimes the bottle form is constructed. Either the cylindrical or bottle type is usually built of brick laid in a rich concrete mortar and finally well coated on the inside with a rich mixture of cement, preferably super cement, and fine sand.

ELECTRIC LIGHT BULBS

40 Watt 3 for \$1
60 Watt 45c

GUARANTEED LAMPS

40 Watt 50c
60 " 55c

HOTPOINT IRONS

SPECIAL

We have 10 60 Watt Bulbs, guaranteed, which we will sell for 45c each. These are regular 55c

GREENE BROS.

Electrical Work and Supplies

Phone 146

Waterdown

The 10x10x10 size will hold 6,250 Imperial gallons, or approximately 200 barrels. In U.S.A. gallons the capacity would be 1-5 more, or 7,500 gallons. To build the cube-shaped cistern (10x10x10) it would require 12 cu. yds. of concrete, the walls, bottom and top being six inches thick. Using a 1-6 mixture it would take approximately 18 barrels of cement and 15 loads of gravel. For the cylindrical shape it would take about 11 cu. yds. of material, and for the oblong shape (6-2-3x15x10) about 13 cu. yds. With a knowledge of local prices of material and labor, it would be an easy matter to estimate the cost of a 6,000 to 7,000 gallon cistern.

The Location of the Cistern.

The house cistern may be located in the cellar, or outside underground, according to conditions. If the cellar be large and provided with good drainage for the overflow of the cistern, there can be no serious objection to having the cistern in the cellar. If the roof of the house is not large enough to collect sufficient rain water for the water service of the home, the roofs of barns and other buildings may be connected up to another cistern at these buildings and the two cisterns connected for joint service if necessary. In this case probably the best arrangement would be to build one very large underground tank, 12 or 15 feet square and 10 feet deep, at a point where rain water from both house and barns would gravitate and collect. Between the barns and this cistern it would be advisable to build a

settling basin to intercept dirt from roofs. The water system would be connected to this large cistern to supply the house or barn as required. The same water system could be used to supply the house or barn with the water from the well or other source used for drinking and cooking purposes.

In building a cistern do not make the serious mistake of making it too small. Then install some form of water system in order to have the soft water, both hot and cold, on tap throughout the house. In subsequent articles I will describe various types of water systems for the farm home.

The Department of Physics, O.A.C. Guelph, Ont., is prepared to advise you without charge regarding installation of water systems, plumbing, sewage disposal, etc.—R. R. Graham, O. A. College, Guelph.

Speedy Birds.

The swallow is a strong flyer and is estimated to fly at at least 60 miles an hour. Relative to its size, the tiny humming bird has also great powers of flight, and is thought to go from 30 to 50 miles per hour. Of course absolute proof of the average rate of speed of any species is impossible to establish. Birds make long sustained flights in migrating, but it is reasonable to suppose that steady, rather than rapid passage is then desired; while bursts of speed would be characteristic of sudden flight in pursuing prey, or escaping an enemy.

Is Your Rubber Footwear Guaranteed Better Value?

Every pair of Ames Holden Rubber Footwear is guaranteed to outwear any pair of similar shoes of any other make, sold at the same price and worn under the same conditions.

The little round tag tied to every pair tells you that Ames Holden Rubber Footwear gives you more value for your money than you ever got before.

This guarantee means that Ames Holden

Rubber Footwear is better—in quality of rubber and linings, as well as in the way it is made. It stands the hardest kind of wear because there is extra strength wherever there is extra strain.

You get the most value for your dollar if you insist on getting the benefit of this guarantee by wearing only Ames Holden Rubbers. We stand squarely behind it.

When you buy Rubber Footwear of any kind, let us fit you with

AMES HOLDEN RUBBER FOOTWEAR

For Sale by
Estate of Jas. E. Eager
Waterdown, Ont.

Look for the Ames Holden mark on every pair.

