

Say It with Flowers

The increasing demand for flowers and plants at the Christmas season prove their popularity as a means of dispensing cheerfulness. Our stock this year is larger and better than ever.

Azaleas	\$1.50 to \$2
Begonias	50c to \$3
Ferns	25c to \$2
Xmas Cherries	15c to 50c

The ever popular Fern Pans 35c to \$2.50
As in previous year we will make deliveries Xmas Eve.

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
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A Good Stock of Repairs Always on Hand

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HARDWARE AND GARAGE

Battery Service Station
Batteries Re-Charged

A Good Line of Tires at \$15

Alton Bros.

Phone 175

Waterdown

Township Hall

Waterdown

Just One Night

Monday, Jan. 23, 1922

Palmer's Spectacular Production of

Uncle Tom's Cabin

See the Comic Marks, Little Eva, The Funny Poppy, Uncle Tom, Etc.

Not a Moving Picture

Adults 50c

Children 25

Bread from Stones



(National Crop Improvement Service.)

Uncle Henry Wallace, father of the American Secretary of Agriculture, used to say that you cannot expect to remove fertility year after year from the soil without renewing it any more than you could keep on drawing money out of the bank without making a deposit. He used to urge up and down the land denouncing the man who mined his soil and called it farming.

The late Cyril G. Hopkins, of the University of Illinois, belonged to the same school and single-handed he crusaded against soil robbery by advocating building up of a permanent soil fertility by the use of rock phosphate.

He demonstrated on three hundred acres of very poor land in Southern Illinois, that he could by using manure, limestone and rock phosphate, produce 35 1/2 bushels of wheat per acre whereas on his check plots, where farm manure alone was used, he got but 11 1/2 bushels.

He taught that our nitrogen supply can be taken from the air and that we generally have enough potash, but that we must replenish the phosphates.

The time will come when Canadian land must be reaped and while our farmers, especially in the West, have never used artificial fertilizers, it must be apparent that the economical time to replenish fertility is before the soil is exhausted.

THE PUMP IN THE HOUSE

Means Comfort and Convenience for the Farmer's Wife.

Water Indoors Pumped From Outdoor Wells—How to Do the Job—Up-to-date Pumps Save Time and Energy.

(Contributed by Ontario Department of Agriculture, Toronto.)

The writer recently described in these columns how to safeguard the farm water supply against contamination. All will agree that this matter should receive foremost attention. In this and subsequent articles various means for getting the water, whether well, spring, or cistern water on tap in the farm home will be described. In the first place I desire to emphasize the fact that it is frequently a very common thing for the farmers' wives to carry the water from the pump over the well to the house, where the pump could be located inside the house, and all the labor of carrying water avoided and without very little more labor expended in pumping.

Distance of House Pump from Well.

Note this question: When can the pump be located to one side of the well, and how far away? If the water supply is no more than 150 or 200 feet from the house, and the level of the water at the supply, say the well is never more than 20 or 22 feet below the level of the ground level at the house, the pump may be put inside the house, and the water drawn in quite satisfactorily. It would not cost very much to make this change in the pump arrangement, and consider what a great saving of labor and time, inconvenience, and exposure to bad weather would be effected by merely moving the pump inside. Perhaps you have never thought of this matter. How about it? Then, too, the well can be more securely guarded from surface contamination than when the pump is directly over it.

The Majority of Wells Are Shallow.

In many districts of our country the majority of the wells are shallow and within a short distance of the house, and readily lend themselves to the pumping system described above. It is the nearest approach to water on tap, and the system should be far more common in the rural districts than it is. If in the future some time an up-to-date water system should be installed in the home, the water line from the house to the well would be already installed, and no changes in it would be necessary.

Hints on Installation.

Before passing on, a few features concerning installation of the water pipe to the well or supply should be emphasized. These are: The best quality of galvanized pipe should be used, the joints in the line should be absolutely air-tight, the pipe line should be deep enough to be always safe from frost, the pipe should slope

slightly towards the well, and there should be a check-valve and strainer on the bottom of the pipe in the well in order to maintain the pipe line full of water up to the pump itself and to keep back sticks, stones, etc., that might clog the pump valves. The size of the pipe (inside diameter) should be at least one-half the diameter of the pump cylinder, the greater the horizontal distance water is drawn the larger the pipe. The type of pump used may vary considerably. The ordinary out-of-doors pump may be used. In this case the pump would be located in the woodshed, for instance, and installed over a dry well. This consists of a shallow pit cribbed up securely in which the pump cylinder is located, and it has a tight top like an ordinary well. It would be a much easier matter to repair the pump cylinder than when pump is over the well, and much easier to protect the pump from frost in severe winter weather. A single or double acting low down force pump similar to the type used on threshers' water tanks might be used. It might be located in the cellar or any convenient place inside; no dry well would be necessary in this case.

Have a Good Quality of Pump.

Even the kitchen pump would serve the purpose very well if it were somewhat heavier in construction and better designed than the cheaper ones of this class. Another type would be the semi-rotary pump which is fastened securely to the wall of the kitchen or pantry at one side of sink. It is operated by a short handle moved back and forth in a semi-circular manner. The same pump at the kitchen sink may be used also for pumping up the water from the cistern by having a three-way valve installed in the pipe line at a point just below the sink. When the valve is set one way, the well water can be pumped into the house, when opposite the cistern or soft water can be pumped.

In this short article an endeavor has been made to explain a few simple and inexpensive means of reducing the labor of getting the water into the farm home, in others to follow more up-to-date systems will be dealt with. Our Department at the College solicits inquiries regarding the problems of equipping the farm home with water systems, plumbing, sewage disposal, lighting systems, etc. Write for a copy of Bulletin No. 267; it is free.—R. R. Graham, O. A. College, Guelph.

The Habitants.

The habitants were the real colonists of New France who settled in Quebec as distinct from the Coureurs de Bois or bushrangers and trappers. The name given to habitants indicates that they were looked upon as permanent residents, who to-day constitute the bulk of the population of the Province of Quebec.

A Difference.

Della—"So you have broken your engagement! And, I suppose, of course, you returned that lovely girl?"

Geoff—"Well, no; that wouldn't be reasonable. While I no longer like George, I admire that ring quite as much as ever, you see."

For Mud and Slush You Need these Rubber Boots

Every farmer—every member of his family—every man who works out-doors in all kinds of weather—needs the dry, foot-comfort given by Ames Holden Rubber Boots.

For use on the farm, Ames Holden Rubber Boots are easy to wear because they're ounces lighter in weight, but they have the toughness that only pure rubber—pressure-cured—

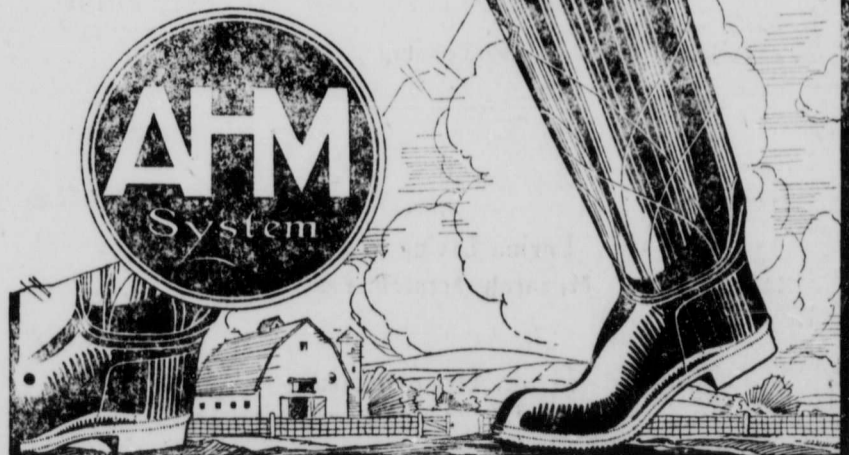
and years of experience in making rubber footwear can give.

Ames Holden Rubber Footwear is built for long wear, otherwise the iron-clad guarantee couldn't be tied to each pair. We stand behind it because it means full value for your money.

The next time you need rubbers ask us for

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