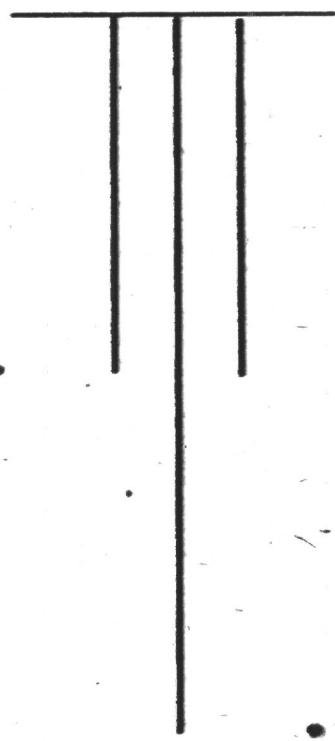


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ONT.

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 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. B. Graham, O. A. College, Guelph.

Aunt Ada's Axioms: Someone has said that a farm is a business with a home attached; but the best farms are homes with a business attached. Elm, maple, or even nut trees and fruit trees are good to plant along highways. The objection to fruit and nut trees is that they may be broken down by over-zealous collectors of fruit. This is not apt to happen if they are common on the highway.

Sandwich

Mr. and Mrs. J. W. Pond and family were guests of Mr. and Mrs. Joseph Awde at Hagersville last Thursday.

Mr. and Mrs. O. Schwyer, of Nelles Corners, and Mr. Jas. Munn and family, of Selkirk, visited at Bert Jonson's on Sunday.

Mr. and Mrs. Herb Peacock of Jarvis and Mr. and Mrs. Ed. Wright and family of Erie visited Mr. and Mrs. Chas. Peacock on Sunday.

Our local hunters are getting quite a few jack rabbits these days.

James Awde was elected Trustee at the annual school meeting.

Now that there is plenty of ice our local boys are indulging in a little "shiny."

Church Services

Knox Presbyterian—

REV. A. W. HARE, B. A., MINISTER
11 a.m.—"Christ Becoming Poor For Us."

7 p.m.—"The Lost Coin."
Y.P.S. Friday at 8 p.m. Subject, "Education of Religion." Leader, Miss Miss Josie Crawford. Consecration meeting.

Anniversary, Sunday Jan. 15th, by Rev. S. Burnside Russell of Erskine church, Hamilton. Extra soloist.

Choir practice Friday at 9 p.m.
You are cordially invited to these services.

Wesley Methodist—

REV. G. SMITHERMAN, Pastor.
The W. M. S. meets every third Tuesday of the month.

All are welcome.

Garnet Methodist—

1:30 p.m.—Sunday School
Epworth League and Prayer Meeting on Friday evening at 7 p.m.

St. Paul's Anglican—

REV. G. R. WREFORD, Rector
11 a.m.—"The Danger of Supposing."
7 p.m.—"The Fall of Tyre."

Tuesday—W. A. recommences at 2:30 p.m.

Friday 8 p.m.—Meeting for Prayer and Bible Study.

Jan. 15.—We shall observe as commemorating the 25th Anniversary of Building the church, the preacher at both services will be Rev. J. Ten Eyck, Rector of St. Paul's, Hamilton.

All are cordially invited.

Everybody's Column

25 words or under, 25c. per insertion.
Each additional word, 1c.

For Sale—Brick school house in S. S. No. 16, Walpole township, also seats and stoves. Tenders received up to and including Jan. 14th, 1922. Roger M. Dennis, Sec'y, Nanticoke, Ont.

Men Wanted—There is always a demand for automobile and tractor mechanics and drivers. We teach you so that you can drive and repair all makes of cars and tractors. Why not take our three months course starting January 1st. We can arrange your board. Full particulars can be had by writing St. Catharines Auto School, 12 Ontario Street, St. Catharines, Ont.

Poultry Wanted

All kinds of Live Poultry Wanted to be delivered every Tuesday morning at the premises of the undersigned.

GUS WEIL, Jarvis

HARRIS' BUTCHER SHOP

Choicest Fresh and Cured Meats and Poultry

We aim to please our Customers.

All Orders promptly attended to.

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Main St., JARVIS

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In Use For Over 30 Years
Always bears the Signature of *Dr. J. C. Thompson*

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We have a Good Assortment of
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Greatly Reduced Prices

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- Sweaters and Pullovers for Ladies, Men and Boys.
- Ladies' Gloves and Mitts in Silk, Wool and Union.
- Boys' Gauntlets and Gloves.
- Men's Leather Mitts in great variety.
- Men's Mocha Gloves.
- Men's Wool Mitts (hank knit).

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AND ALL KINDS OF STATIONERY
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A full line of
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Victor Christmas Records
Now in stock at reduced price.

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You will find LIBRARY TABLES, EASY CHAIRS, PEDESTALS, COUCHES and other articles suitable for Xmas Presents.

Thanking you in anticipation,

IVAN W. HOLMES
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