

### Clearing Land in New Ontario

Ed. The Dairyman and Farming World.—When I received your letter I was just taking my horse from the stump, and I had just finished pulling some terribly heavy stumps.

Four years ago our place was expropriated to make a yard for the Grand Trunk Pacific, so we had to go into a green bush to settle now, and move there at once. We did not see our way clear to clean the land by the old method, that is by hand, so I looked in the farming papers I had in hand, to see the announcement of some stump puller.

I bought one stump completer, with 100 feet of cable, double pulley, and stump hook, to be ready for every kind of stumps and trees that we might have to pull. I placed the stump according to directions, and started the work. I had little trouble at the beginning because I was in a green bush. I tried the standing trees but it did not work well for me. I cut the trees down except the ones under a foot in diameter I took standing. I pulled stumps up to 15 inches with a single hitch. The other day I pulled a stool of three birches each about nine inches in diameter, and cut about one foot above the ground.

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It was about 80 feet from the stump. We cut few roots, and we can pull about two feet of frozen ground with the stump, and all that with a single hitch. A little while after I pulled a birch stump, about nine inches in diameter, that was covered with three feet of clay, so we could not cut any roots. We just moved the clay around the stump and put on double hitch, then pulled everything out. It made a hole about five feet deep, so anyone can judge of the power of the machine.

The cost for stumping an acre will depend on the size of the stumps, their age and the number to be pulled. I pulled 10 stumps in one hour, all green, except one. I didn't cut any roots, and I had to pull them from 10 to 15 feet out of the place. This is the work takes the most time; to turn a stump over takes only a moment, as the machine can pull 50 feet in one minute.—Alphonse Lemire, Rainy River, Ont.

### Good Prices for Small Seeds Likely again this Year

Ed. The Dairyman and Farming World.—The best of the year crops many farmers had last year was from growing small seeds. Both alsike, and red clover brought almost unparalleled prices. Even what in ordinary years would not be considered as of much value brought big prices. The outlook for the new crop whatever it may be, so far as prices are concerned looks very inviting. It would appear to be good policy on the part of every farmer in the seed producing districts to keep every available piece of clover for the production of seed. Every farmer should remember that he can contribute very largely to the production of pure seed by paying attention to the growing crops.

In many parts of the Province the dry weather last summer damaged the new seeding of clover to such an extent that a considerable portion of it was plowed up either last fall or this spring. Our neighbors to the south of us are similarly located and the foreign supply is not likely to be above the average.

Weeds are very active in June.

They should not be allowed to go to seed in the meadows where seed is being produced.—T. G. Raynor.

### Farm Drainage Demonstrations

Ed. The Dairyman and Farming World.—The Department of Physics at the Ontario Agricultural College desires to announce the continuance of its program of assistance to farmers in matters pertaining to drainage. For the past three years we have been authorized by the Minister of Agriculture to go out and assist such farmers taking the levels of his lands for drainage purposes, in planning the most advantageous systems of drains, and in calculating the grades and sizes of tile for the different drains. A finished map, bearing all the information, is sent to the owner. This serves two purposes; first, it is used as a guide in constructing the drains; second, it may be preserved as a record of the exact location of every drain, so that if for any reason it should be necessary in years to come to find any drain, it could be done accurately, at a moment's notice.

The number of applications for assistance has increased very rapidly, so that last year we had more than we could attend to. To enable us to meet this increased demand, the Minister of Agriculture has this year given us a special appropriation, whereby we have been enabled to double our work.

A new feature is being added: We have found that frequently the neighbors in the vicinity of the farm being surveyed were interested and wished to observe the operations. This suggested the desirability of making these demonstrations public, and this will be done wherever possible. Anyone interested will be welcome on all occasions. By this means we shall be able to instruct a much larger number in matters pertaining to drainage problems.

Anyone wishing drainage surveyed done, should apply to Wm. H. Day, Department of Physics, O. A. C., Guelph. The only outlay connected with the work is the travelling expenses of one man, including meals, and cartage of instruments, and railway fare at one cent a mile each way.

The Department has just issued a new pamphlet on "Farm Drainage Operations," which may be had on application.—Wm. H. Day, Lecturer in Physics.

### Reading in the Farm Home

Continued from page 1

only is the taste for reading developed then, but the taste for certain kinds of reading. It is the duty of the parents to guide the reading according to the nature of the child.

But first comes the formation of the habit. A close observer will notice that the child has a very active imagination. Some may describe it as an "over-active imagination," especially when the little boy tells of seeing "fifty dogs in the yard with my 'Dash,'" and under pressure afterwards narrows down to "at least one other dog." This period in the development of the child mind is perfectly natural, and need not be a cause for worry; it should rather be satisfied with nursery rhymes, Mother Goose stories, etc. The value of reading aloud in the home, as a means of giving children a taste for reading, cannot be over-estimated. A word of explanation here and a short discussion on there, raises the interest to a state of enthusiasm.

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oic, good healthy stories of adventure seem to be especially adapted to them. Such writers as Henty and Bullen have become famous because of their "Books for Boys." As the boy becomes older, he becomes interested in the literature of the home, and the girl in the literature of the home if such be open to them. But even then, they may develop an inclination towards other pursuits. The boy may have a special liking for one of the so-called "earned professions," while the girl may desire teaching, nursing or something else. In that case they will naturally read according to their choice, but it is a fact that the choice of a profession generally follows from the reading or the environment of the child. Right here, therefore, a great deal can be done in educating the boys and girls towards the farm. An effort should also be made to lead them out in the noble literature of the past, which was suggested for the parents. The standard writers—Shakespeare, Scott, Dickens, Longfellow, Carlyle, and Tennyson—will never die because they have left themselves in books for the service of humanity.

In this busy, bustling Western world many individuals are so engrossed in pursuing the bubbles which are glittering just before them that they fail to see things in their proper proportion. They are inclined to try short-cuts in following up their get-rich-quick schemes, but in the road to learning there are no short-cuts. If our Canadian farmers are to get in line with the "new agriculture" they must make an effort to work out his own salvation by making use of the means at his disposal, and reading will help to make them the full men which they ought to be.

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