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High Grove Jerseys to Better Blood ent offering : Two choice young bulls about fourteen months old. Will be sold right, before going into winter. ARTHUR H. TUFTS, P. O. BOX 111, TWEED. ONTARIO.

THE FARMER'S ADVOCATE

QUESTIONS AND ANSWERS. Miscellaneous.

FORMALDEHYDE SOLUTION AND SMUT.

In 1909 I had considerable smut in my oats, so thought it better to treat my seed, which I did, using the following : One pint formalin to forty gallons of water, and wetting the grain thoroughly. My crop this year, instead of being clear of smut, as I expected, was about onethird smut.

1. Can you give me directions for treating seed that will insure a clean crop ?

2. A farmer living some little distance from me came and bought some of the same seed from me, and sowed it without treating at all, and reports having had no smut at all in his crop. Kindly account for this, if possible,

3. Could the land have anything to do with causing it? R. W. B. Ans .- The only explanation we can suggest is that the formaldehyde solution was away below strength, and hence failed of its purpose. It is difficult to account for the fact that your neighbor had a clean crop from using untreated some of the same seed as yours. Are you sure he really had a clean crop? Some farmers would ray no attention to a considerable percentage of smut. Reverting to the question of formaldehyde, we should judge from the smell of the sample sent, that it was not nearly up to strength. Indeed, a druggist to whom we showed it, was of the opinion that the solution did not contain over 10 per cent. of formaldehyde gas, whereas it should contain 40 per cent. A simple test is to get an ounce of good formaldehyde solution, known to be exactly the right strength, and expose a sample of this to the air in a shallow vessel alongside a sample of the solution you have on hand. The solution which is of the proper strength will solidify in a day or

SILO QUESTIONS-NITRO-CUL-TURE.

1. What is the capacity of a round silo 12 x 25, and 10 x 30?

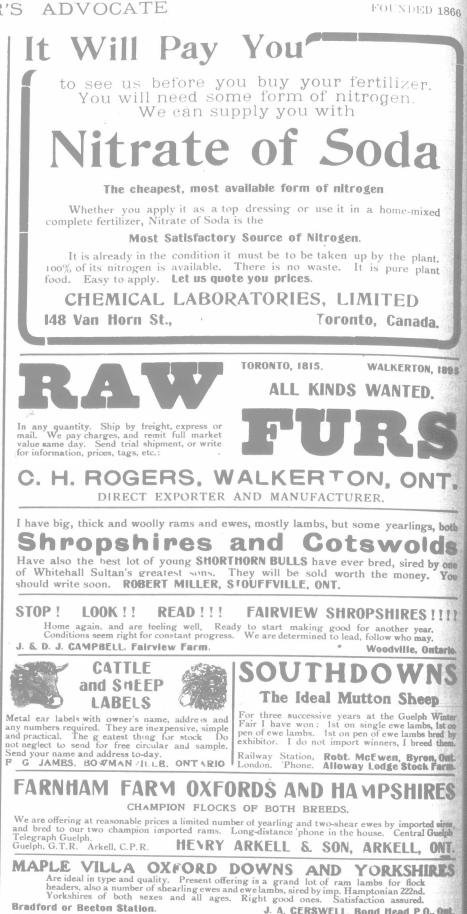
2. Which gives best satisfaction, a solid concrete or a hollow-block silo, and the cost of same?

3. Do you know whether the United States has closed some silos in East Buffalo, and why?

4. I have six acres I want to seed with alfalfa. Would it be advisable to treat it with bacteria? P. Z.

Ans.-1. The capacity of the silo 12x25 would be about 56 tons, and of the other, 10 x 30, about 50 tons, or a trifle over, making some allowance for greater settling in the deeper silo.

2. We believe either kind of silo is perfectly satisfactory if properly built. The



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