

QUESTIONS AND ANSWERS.
Miscellaneous.

PIGS WANTED.

Please advise me, through your valuable paper, where I could purchase a pair of pure-bred pigs, age ranging from four to six weeks old, the sow to be Tamworth and the boar English Berkshire, and give your opinion on cross-breeding them, and as to what type of hog they would be? G. S.

Ans.—Write some of the advertisers of these breeds in "The Farmer's Advocate." Both the Tamworth and Berkshire are good breeds of hogs. The Tamworth is a more extreme bacon type than the Berkshire, although many good bacon hogs are found in the latter breed. Crossing the two gives a very good type of feeding hog, but, as a rule, it does not pay to cross-breed pure-bred animals of any kind. Would advise buying both of the same breed, and keeping them pure.

CORN AND POTATO FERTILIZERS.

1. What commercial fertilizers would likely give best returns on corn and potato crops in Huron County, on ordinary soil, mostly clay loam?

2. What do the O. A. C. and Experimental Farm reports show re fertilizers on potato and corn crops

SUBSCRIBER.

Ans.—1. It is always well, before using a fertilizer extensively, to experiment with the various materials on the soil to ascertain which is needed most. This can be easily done on small plots. This is the only method of being sure of what the soil lacks. Of course, fertilizers give most satisfactory results when used in conjunction with barnyard manure. For corn, a complete fertilizer of nitrate of soda, 100 to 150 pounds; acid phosphate, 300 to 400 pounds, and muriate of potash, 100 to 150 pounds, would make a good dressing. For potatoes, nitrate of soda, 150 to 200 pounds; phosphate, 300 to 400 pounds; sulphate of potash, 150 to 250 pounds. A smaller amount of nitrogen might be used for the potatoes.

2. In the average of experiments in applying fertilizers with corn, in each of eight years the yields of the entire crop produced by the plots which received an application of nitrate of soda, muriate of potash and mixed fertilizer were equal, while a plot on which superphosphate was applied produced nearly half a ton less than the others, the largest yield of husked ears being obtained from the plot on which mixed fertilizer was used. The muriate of potash produced the corn at the least cost per ton, but even with this it cost \$3.33 on the average, to produce each additional ton of fodder corn. Complete fertilizers give the best results with potatoes. The highest yield of all in each of the past four years was produced by an application of cow manure at the rate of 20 tons per acre. Land thus treated gave an average of 46.7 bushels per acre more than unfertilized land. These experiments were carried on by the Experimental Union. Would suggest that you use the commercial fertilizers in conjunction with farmyard manure. The smaller quantities would be enough used in this way. See article by Alfred Hutchison in the issue of March 21st, page 530.

Veterinary.

OPEN JOINT.

Mare had hock injured. In three days it swelled, broke, and ran matter. In two days, a thin, clear, oily fluid commenced to escape, slightly at first, then in considerable quantities. This fluid is still escaping. J. W. B.

Ans.—The fluid escaping is synovia, or joint oil. The case is known as open joint. If the articular cartilage is decaying, a recovery will not take place, but if this stage has not been reached she may recover. Keep poulticed ice constantly to the joint, and keep the wound clean by washing three times daily with a five-per-cent. solution of carbolic acid. Do not probe. It will be better to place her in slings, as if she lies down she will have difficulty in rising. Feed reasonably well on light, easily-digested food.

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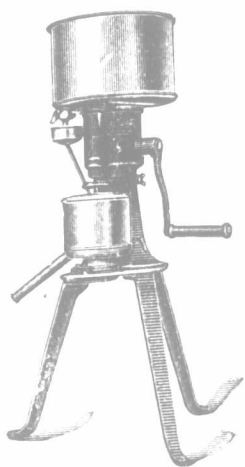
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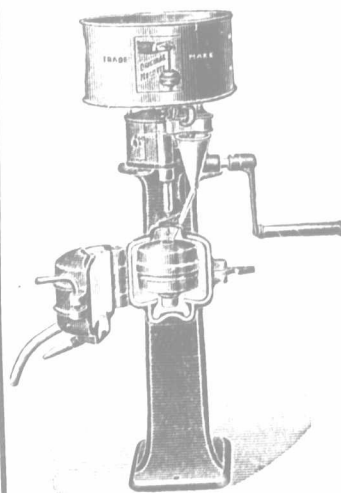
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