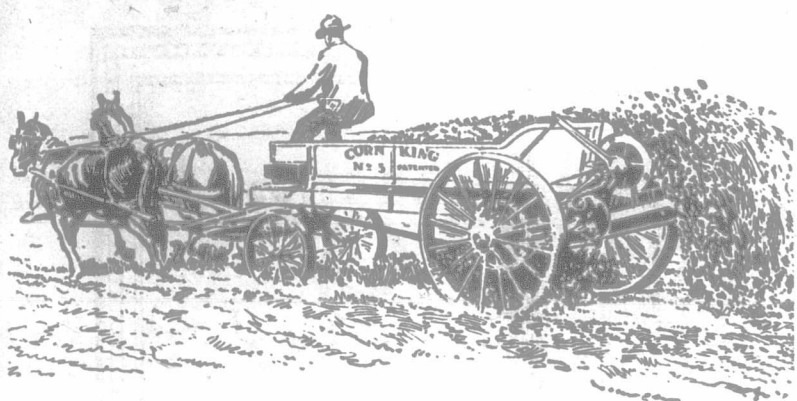




Your Soil Is Alive

TO all intents and purposes, soil is alive. It breathes, works, rests; it drinks, and, most important of all, it feeds. It responds to good or bad treatment. It pays its debts, and pays with interest many times compounded. Being alive, to work it must be fed. During the non-growing seasons certain chemical changes take place which make the fertility in the soil available for the next season's crop. But this process adds no plant food to the soil. Unless plant food is added to soil on which crops are grown, unless the soil is fed, in time it starves. There is one best way to feed your soil. Stable manure, which contains all the essentials of plant life, should be spread evenly and in the proper quantity with an

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I H C manure spreaders—Corn King or Cloverleaf—are made in all styles and sizes. Sizes run from small, narrow machines for orchard and vineyard spreading, to machines of capacity for large farms. The rear axle is placed well under the box, where it carries over 70 per cent of the load, insuring plenty of tractive power at all times. Beaters are of large diameter to prevent winding. The teeth that cut and pulverize the manure are square and chisel pointed. The apron drive controls the load, insuring even spreading whether the machine is working up or down hill, or on the level. I H C spreaders have a rear axle differential, enabling them to spread evenly when turning corners.

The I H C local agent will show you all their good points, and will help you decide on the one that will do your work best. Get literature and full information from him, or, write the nearest branch house.



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Questions and Answers.

Veterinary.

Cats With Vermin.

I have two Persian cats that have Mce. R. R. McL.

Ans.—Get some insect powder, part the hair in several places, and dust the powder in, or wash well every third day as long as necessary with a warm five-per-cent. solution of Creolin or Zenoleum. V

Aphtha—Abortion.

1. Mare has little sores on tongue and lips.
2. After a heavy pull and bad jerk, my mare aborted. Would it be wise to breed her early, or wait until the time she should have foaled? G. S. S.

Ans.—1. Gargle her mouth three times daily with acetic acid 1 part, water 30 parts. If some of the sores do not heal, touch them once daily for a few days with a pencil of lunar caustic.
2. Breed her any time after six weeks after aborting. V.

Unthrifty Animals.

1. Nine-months-old colt, fed well on hay and oats, has a heavy coat of hair, and is not gaining in flesh.
2. Mare is getting five quarts of oats daily, and plenty of good hay, has a rough coat and remains thin. S. C. H.

Ans.—1. The rough coat is natural to animals that are not blanketed and well groomed, and it will remain rough until the colt sheds its hair in the spring. Feed rolled oats and bran dampened with warm water night and morning, and feed whole oats and a carrot or two at noon. If you allow regular exercise, you may increase the amount of grain until it is getting equal to a quart of whole oats three times daily.
2. This mare is not getting sufficient grain to cause increase of flesh. See

that she gets a little exercise daily, and feed one gallon of oats, or its equal of rolled oats, three times daily. She will do better on rolled oats, and also give a little bran and raw roots daily. V.

Diarrhea in Foals.

Last winter I had three mares in foal. I fed well on oats, hay, and straw, and towards spring increased the grain ration. I exercised them every day, and when spring work commenced I worked them daily until they foaled. One mare

produced a strong foal that did well. The second one produced a strong foal that when about 24 hours old took diarrhea, which continued for two days, then it gradually ceased, and the foal died when a week old. The third mare also produced a strong, smart foal, but in 24 hours it also took diarrhea and died when 48 hours old. S. B.

Ans.—Your care during pregnancy was good, which was evidenced by the production of strong, smart foals. The

diarrhea was, no doubt, caused by the mares' milk containing too great a percentage of fat, which cannot be accounted for, nor suspected, without a testing of the milk. The administration of about a dram (60 drops) of laudanum in a little lime water every two hours for a few doses might have saved them. When this condition of the milk is suspected, it is good practice to milk the mare frequently in order to prevent the colt from getting all it will take. V.

Miscellaneous.

Apples—Pig-pen—Heating.

1. I have several young trees of fall apples, some Yellow Transparent, and some I don't know name of. Would it do to graft winter varieties on them, say, Baldwins?

2. Would Northern Spies bear earlier if grafted on Yellow Transparent? Does San Jose scale affect currant bushes?

3. Would you please publish a plan of small hogpen, as I have to rebuild mine?

4. Could house be heated by steam radiators. We have no cellar under the house, as it is built on edge of marsh. Heating with coal-stoves is expensive this winter, to keep house comfortably warm. Would it be expensive to install a proper heating system? L. F. W.

Ans.—1. Yes; they could be grafted with fair success, provided the young trees are healthy.

2. Northern Spies bear earlier on grafts than on the Spy trunk.

3. Anyone having a good plan of a hogpen should submit it to "The Farmer's Advocate" for publication.

4. Certainly, a house may be heated by radiators. Enquire as to cost of installation from some reliable hardware and plumbing firm, giving them particulars.

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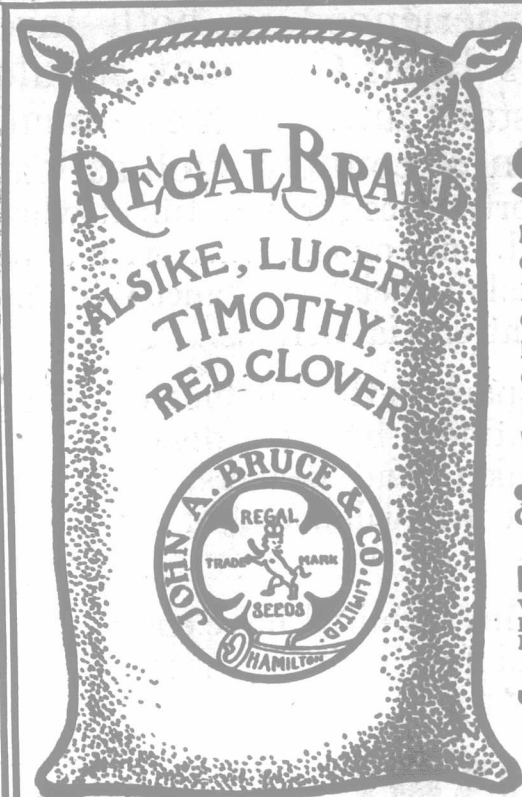
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