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2 year olds—First, GUERIDON

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3 year olds—First, DIMITRI 2 year olds-First, GUERIDON

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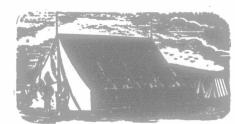
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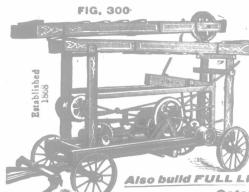
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#### TESTING SOILS FOR ACIDITY.

How should I go about it to make a simple test, whereby I may get an idea as to whether the soil of my farm is acid or not?

Ans.—Dr. Cyril Hopkins, of the Illinois Experiment Station suggests the

following procedure:

In testing for soil acidity with blue litmus paper the soil should be moist and it is well to test for acidity at two or three different depths, say in the plowed soil at a depth of four inches, and in the subsoil at a depth of 10 or 12 inches. It may be of interest to test for acidity even at a depth of 3 feet, as some soils which are acid in the surface are often more strongly acid in the subsoil while other soils which are equally acid in the surface soil may be alkaline at a depth of 3 feet. In the one soil water rising by capillary action from the subsoil would tend to increase the acidity in the surface soil while in the other case it would tend to correct it. The blue litmus paper should be left in contact with the moist soil for 15 or 20 minutes and it may then be compared with another piece of the same kind of blue litmus paper which has been moistened with pure water. If the piece in contact with the soil turns distinctly pink or red as compared with the other piece it shows that the soil is acid.

#### THE YEAST TREATMENT FOR BARRENNESS.

What is the yeast treatment for sterility in cows, and what is the underlying principle governing the use of this remedy?

Ans.—It is supposed that the reason conception fails to take place, in spite of the mating of individuals in a state of health, is that the secretions of the female generative organs have become acid and therefore destructive to the vital element contributed by the male. This disastrous acidity has been at times corrected by the use of injections of baking soda solutions just previous to mating; the yeast treatment below, however, seems to be more in favor and is quite frequently recommended.

Take an ordinary two-cent cake of yeast and make it into a paste with a little warm water. Allow this to remain in a moderately warm place for twelve hours, then add one pint of lukewarm freshly boiled water, mix and allow to stand for another twelve hours. Prepare this mixture twenty four hours ahead of the time the cow is expected to come in heat and inject it into the vagina as early in the heat as possible. Breed at the latter end of the heat.

#### PERVIOUS URACHUS.

1. What is the cause of a foal leaking from the navel?

2. Give treatment.

Ans.—1. This is called pervious urachus, and is due to a nonclosure of a tube called the urachus, which is a fætal

literated at birth. 2. The best treatment is to get a veterinarian to seer with a red hot iron. Another method is to apply a caustic, as butter of antimony, applied with a teather twice daily as long as necessary.

#### FIBROUS TUMOR.

Mare has hard lump on point of shoulder. I got a liniment from my veterinarian, but it did no good

Ans.—This is a fibrous tumor, and external application will do no good. It can be removed in time by introducing setons, or by injecting sloughing agents but the better way is to have it carefully dissected out by a veterinarian, who will then stitch the wound with the exception of an opening for the escape of puss, and supply you with an antiseptic dressing, as a five-per-cent solu-tion of Zenoleum, creolin or carbolic acid to use until healed.

#### RINGBONES.

A year ago my twelve year old mare got lumps like ringbone on one fore pastern. She went very lame, but seems to be a little better now. The other pastern now shows similar lumps,

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