

Inquiries and Answers

Readers of the paper are invited to submit questions on any phase of agriculture.

Rutherford System of Ventilation

I am about to build a new cow stable and would like all the information possible as to the Rutherford system of ventilation.—B. B. Bards, B. B. Bards.

The Rutherford system of ventilation, consists of U pipes under the wall behind the stock to admit the fresh air. Wooden boxes are generally used instead of the pipes. The outer arm of the U pipe may be of any length that seems advisable, while the inner arm should terminate near the ceiling. This latter may rise to the ceiling and extend horizontally for some length, the object being to allow for better diffusion of air. This system is not confined to

out damage of any kind. After the operation take a needle and strong linen thread, and carefully sew up the inner membrane. If this is done properly further difficulty seldom occurs.

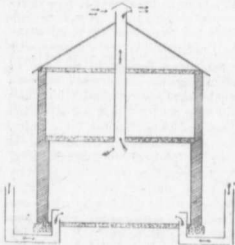
Azorturia

Correction. In our issue of the 18th of March there was a typographical error in the question—treatment for azorturia. On the 13th line from above, the sentence commences, "Give two drams iodide of potassium every six hours for four or five days." It should read for "four or five doses." There is a great deal of difference, and the drug in these doses continued for four or five days would produce iodism (poisoning by iodine), which, though it would not prove fatal, unless continued administration of the drug was practised, it would be very undesirable.

Applying Manure

S. H. Reynolds

My experience has taught me that the best method of applying manure on level ground is to spread it direct from the wagon at any time of the year. If long, strawy manure, however, is put upon the ground that is to be worked immediately afterwards, will difficulty will be experienced in the working of same. A quick and sure way is to draw frozen and long manure and pile it in the fields during the winter, then when it is wanted, it can be applied from these piles with a manure spreader. This affords an opportunity of drawing manure when work is not pressing and permitting it to rot before it is required in the spring. Both of these methods have proven equal in my experience and have proven better than top dressing rolling land when same is frozen.



one inlet pipe. The number put in will depend upon the number of animals in the stable.

The outlet of the modern Rutherford system is a galvanized iron pipe, or chimney, of considerable dimensions, furnished with an ordinary rain cap, and a large damper, manipulated with cords, from the second floor. When the damper is open, the foul air, being warm, rapidly rises, passes on through the chimney, and is steadily replaced by fresh air, which comes in through the U pipes, or boxes. By closing the damper, the rush of air through the lower pipes is at once checked, while a partial closure has a corresponding effect on the action of these inlets. The whole system is under easy control, and can be adjusted to suit the weather, or the number of animals in the stable. The accompanying diagram illustrates the Rutherford system. Here the intake pipes open at the floor. They may, however, continue to the ceiling, as before mentioned.

Simple Pig Holder

The holding of pigs for castration is always more difficult than the real work of castration where the little fellows are caught and held down upon the ground by one or more awkward attendants while the operation is being performed. The handiest and simplest contrivance is a smooth keg of sufficient size, with one head removed and several holes cut through the staves near the bottom to allow free air circulation.

After catching the pig, raise him by the hind legs and let his head and shoulders drop into the keg as it is gently tipped to one side, and then bring the hind legs down against the outside and you have him in the best and handiest position to castrate.

If you happen to have a ruptured pig you can have him by this method in the very best position to safely treat for the breach, as this allows the intestines to settle away from the rupture while the testicles are being removed in the regular way with-

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