

How to Free Cattle and Pastures of Ticks.

There are four practical methods that may be employed in freeing cattle and pastures of Texas fever ticks: (1) Picking or brushing off the ticks; (2) smearing or spraying the animals with a disinfecting solution; (3) dipping the "ticky" animals in a vat containing a solution capable of killing the ticks without injury to the cattle; (4) a systematic pasture rotation whereby the ticks are eliminated by changing the cattle to one pasture to another, allowing the ticks to drop off, and preventing new ticks from getting on the cattle.

In sections where there are large herds and ranches, dipping on a large scale has been successfully carried out, either alone or in conjunction with pasture rotation, while in other sections, where the cattle on farms consist of only a few head, hand dressing with oil has been found to be the most practical plan. The methods above suggested, therefore, apply to different sections of the country, and the stockman or farmer should select the one which is best guided to his particular case.

PICKING OR BRUSHING OFF THE TICKS.

Where the heard is small the ticks may be picked off by hand or scraped off with a dull knife or a currycomb. This should be done at least three times a week in order to remove all the large ticks before they mature and fall off, as by this system the smaller ticks which at first escape detection will be found before they are fully developed. After removal the ticks should be destroyed, preferably by burning. Care should be taken to go over the animals thoroughly, and after once going over they should not be neglected, as ticks may be picked up from time to time. If this work is thoroughly done and no ticks allowed to fall off and lay eggs from June 1 to the end of November, the cattle will be free from ticks and the pastures clean.

SMEARING OR SPRAYING.

Greasing the animals all over thoroughly with cotton seed oil, fish oil, or Beaumont crude petroleum will assist in preventing the ticks from getting upon them and destroy the ticks already on them. This method is practicable when only a few animals are to be treated. A mixture of 1 gallon of kerosene, 1 gallon of cotton seed oil, and 1 pound of sulphur has proved effective when used two or three times a week during the tick season. It should be applied with a sponge, syringe, brush, mop or broom.

Where a large number of cattle are to be treated, but not enough to warrant building a vat, spraying has given good results. The necessary equipment consists of a force pump such as is used by orchardists for spraying trees, with a barrel in a wagon or on a platform and a hose with an ordinary nozzle. A 20 per cent. emulsion of Beaumont oil or a 5 per cent. solution of any of the standard coal-tar dips may be used. The spraying should be continued throughout the whole season and if thoroughly done will leave the cattle and pastures free for the following year.

DIPPING IN A VAT.

Where a large number of animals are to be treated, dipping in a vat is a convenient and effective method. Beaumont crude petroleum is considered the most satisfactory dip and may be used either alone or in a 20 per cent emulsion. Animals that have been dipped in the oil, especially during warm weather, should not be driven any great distance immediately afterwards, and should be provided with shade and an abundance of water.

PASTURE ROTATION.

This system of eradication appeals to many farmers and should be followed when ver practicable or conditions will permit. It consists in placing ticky animals in a small pasture for a period of 20 days. During that time a considerable number of ticks will drop off. Then transfer the cattle to a second small pasture for another 20 days, and if all of the ticks have not dropped off, still to another pasture. If the full time has been consumed and the stock is then ready to be placed on tick-free

pasture. The object of moving the cattle from pasture to pasture at intervals of 20 days is to cause all the ticks to drop off and at the same time to prevent the animals from becoming infested again with young, or seed ticks. Twenty days is less than the shortest time within which seed ticks will appear from eggs laid by ticks that drop off, and all of the ticks present on the animals will have dropped off in the 60 days. The young ticks, when hatched, will starve if no cattle are present in the pasture for them to get on.

Full information as to how to get rid of the ticks, including directions for the preparation of dips and sprays, the arrangement of pastures, etc., may be obtained free on application to the Bureau of Animal Industry, Department of Agriculture, Washington, D. C.

Sorry for George Hall.

We confess that we are not glad that George Hall has been recaptured and we feel like things ought to be done to the man who informed on him, for the patry sum of ten dollars. George Hall was a sorry citizen, an ex-convict, hence without friends, and he joined in a mob of some five thousand other George Halls and others, and lynched the Gillespie negroes who murdered the Lyerlys. Out of all that mob he only was convicted and punished for trampling the law underfoot. It is true that the fact that he was the only one punished does not lessen his crime; but we see no justice whatever in sending such a man to the penitentiary for fifteen years, when many of his ilk and scores of his betters were as guilty as he. We have never been able to see that matter as any thing else but a farce. We have no sympathy for Hall; he doubtless ought to be in the pen on general principles. But somebody else ought to have been in company with him when he journeyed to Raleigh, and when he escaped and especially since he has been reported as leading an industrious life in Spartanburg, he ought to have been suffered to continue enjoy liberty and support his family, which is large and which is poor.—Lexington Dispatch.

New Move Proposed.

With the idea of securing more perfect organization in the dissemination of improved cultural methods and uplifting life on the farm generally. The Farmers' News is brisly advocating the creation of a commissioner of agriculture for each county in the State, supplementing the present system of State and federal departments.

Whatever may be the ultimate outcome of the demand, it is supported by contentions that are obviously logical.

Marvelous progress has been recorded by the individual States and the federal government in the matter of introducing scientific methods of farming and fostering the all-important work of farm experimentation.

The bulletins and literature regularly issued by the State Department of Agriculture in Georgia, for instance, in conjunction with the regular output of the department at Washington and its agents, have been of incalculable value in demonstrating to the farmers of this State and the country at large the benefits of business methods in their daily vocation.

It is now argued, and with reason, that the county commissioners would come as the completing link between State and Federal departments.

His duties would consist largely of localizing of farm improvement propaganda. He would be charged with making a study of conditions in his immediate vicinity, reporting on reforms needed and the most expedient way of securing them.

The system has been tried, with telling results, in Mississippi and other Southern and Western States. In each instance, where money has been invested in inaugurating the work, prompt and rich dividends have been the result.

There is little question that a large proportion of the benefits of the demonstration and experiment work of both State and Federal government is now lost because means are lacking to secure an audience for them in the sections most in need, and for adapting them to the peculiar situation obtaining in each locality.—Atlanta Constitution.

August time, tells on the nerves. But that spiritless, no ambition feeling can be easily and quickly altered by taking what is known to druggists everywhere as Dr. Shoop's Restorative. Within forty-eight hours after beginning to use the Restorative, improvement will be noticed. Of course, full health will not immediately return. The gain, however, will surely follow. And best of all, you will realize and feel strength and ambition as it is returning. Outside influences depress first the "inside nerves" then the stomach, Heart, and Kidneys will usually fail. Strengthen these failing nerves with Dr. Shoop's Restorative and see how quickly health will be yours again. Sold by Cornelison & Cook.

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The Curse of the South.

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