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of four acres each were selected, and one of these "Foreign" or "Colonial" was also considered by stall occupied by it at once thoroughly cleansed. received a dressing of 10 cwt. of ground lime, the council, and a resolution in favor of such I have known every mare (and cow) to lose her and a few days later 4 cwt. of superphosphate marking approved. and 1½ cwt. of sulphate of potash per acre.

Nothing was applied to the second plot. The pasture was naturally poor, but the artificials soon showed their effect by increasing the yield of grass, and by the finer character of the herbage.

Two cows were placed on each plot and changed from one to the other every two weeks. The cows on the manured showed a decided increase in the yield of milk, and in addition the plot was able to carry an extra cow during the latter half of the experiment. The manures cost 29s. per acre, but the increased milk yield, at 8d. per gallon showed a profit above the cost of 27s. per acre. The gain in milk was 84 gallons per acre, including the third cow. The quality of milk was not appreciably affected. The results are very encouraging as far as the experiment has proceeded.

#### CO-OPERATIVE ASSOCIATION

The Midland Farmers' Co-operative Association has had a successful year, or rather ten months, as owing to a change in the method of accounting, the figures only cover that period. The total trade during this time was £21,298, compared to £21,720 for the previous twelve £5,377; manures, £2,786; and seeds, £1,611.

supply the purest and most genuine goods at a sending nearly £3,300,000 worth. low price, and the society has been able to do this, and often considerably below market prices. The society is to branch out in a new direction by a scheme for the disposal of milk, and will equip a factory to handle any surplus milk. The membership during the year increased from 347 to 401.

#### WELFARE OF AGRICULTURE

An excellent paper on the Agricultural Development Act of 1909 was read by Mr. Eve before important act had been passed affecting the wel- and land is in a soddened condition. This is for the animal. Here is an example: If your fare of agriculture.

cessity of research rather than education.

pended by the Lords — but endorsed by the generally is good. recent elections.

# PREPARING FOR LIVERPOOL SHOW

For the forthcoming Royal Show at Liverpool prizes to the amount of £10,620 are to be offered. The local committee contributes £1,890 to this total; £2,341 came from the various breed societies; and £567 from the Royal Lancashire Society. In the horse section £3,371 is offered in the cattle section £2,840; for sheep, £1,990; and for pigs, £710. There are many miscellaneous prizes, and for the best managed farms of. It is Nature's own disinfectant. This is in Lancashire and Cheshire £450 is to be awarded.

For the next year's show the city of Norwich has been selected and the King will be the president of the society for 1911. For the show of especially in contagious diseases, where hosts of The writer sets forth in a conclusive way the 1912 both Doncaster and York have sent invitations. A special committee was appointed disease germs may be given off and pollute the arguments that have been urged in support of a higher woolen tariff and attempts to show that higher woolen tariff and attempts to show that the property of the duty of the duty of the duty of the property of the duty o several months ago to consider the new Development Act, and it suggests that assistance from the water would dilute and wash them away, too. fund created by the act should be given to scientific agricultural research and to the improvement of live stock.

# SKIMMED MILK FOR CONDENSER

vigorous condemnation at recent meetings of may be readily purified. It is scarcely necessary the sheep industry in Canada. Increasing the Chambers of Agriculture, and the Central Council to say that the scraper and brush should be used duty, he says, will mean that a smaller quantity has taken up the matter. Especially strong is the previously. If unable to wash out the stable demand that all such milk should be labelled as the crude carbolic may be sprinkled on the floor. demand that all such milk should be labelled as the crude carbolic may be sprinkled on the floor, tax on the consumer. Similarly a higher tariff unfit for infants' use — on the ground that "in- etc. It will cost a mere trifle and may save the on wool will benefit the sheep industry by forcing force might have full store in the consumer. Similarly a might have full store in the consumer. Similarly a might have full store in the consumer. Similarly a might have full store in the consumer. Similarly a might have full store in the consumer. Similarly a might have full store in the consumer. Similarly a might have full store in the consumer. fants might have full stomachs of skimmed milk other animals. and still starve to death."

#### PREVALENCE OF TUBERCULOSIS

How prevalent tuberculosis is amongst dairy cows in England is indicated by 73 samples of milk being found tuberculous out of 676 samples coemia and pycemia, or blood poisoning, will examined by the Health Department of the London County Council. In addition, a instances show that not only contagious disease veterinary inspection of 4,455 cows on 184 farms cases should be isolated, but that it is erring on supplying milk to London resulted in 74 cows the safe side to isolate even simple cases. I have being found suffering from tuberculosis of the known hog cholera to be spread from the shoes

The medical officer strongly urges the early reintroduction into parliament of dairies and milk for the same person to attend the sick and well. bill, which was one of the "innocents" slaughtered because the contagion may be carried by hands, in the last session owing to lack of time for con- clothes, brushes, etc. So that if an attempt is sideration.

#### THE EGG SITUATION

Increasing home production of eggs and a decrease of foreign and colonial supplies to the animals, he can at least freely use carbolic acid, extent of 256,000,000 eggs were features of 1909. Last year's imports were valued at the huge total leaving the sick. He should also use an old of £7,235,302, against £7,183,122 in the previous year - smaller supplies and higher prices.

Poultry imports were of the value of £920,699, compared to £934,679 in 1908. Canada plays but for the sick. an insignificant part in egg imports, the total months. The profit for the year was £861. The value being but £2,182. However, they were principal items of the society's purchases for its worth more per great hundred (10s. 11d.) than as to irritate the mouth, and that it is given members were, cakes, £8,129; grain and meals, those from any other country. Denmark came regularly; and if you value your animal do not next at 9s. 63d. Russia is the largest single begrudge a little attention during the night. The idea is not so much to make a profit as to source of supply of both eggs and poultry -

The foreign trade of the United Kingdom for warm to the hand. In large quantities they will January showed a considerable increase over be ejected, and, therefore, cause the bowels to January, 1909. Imports increased by £2,420,790 work. In small quantities they will be retained. and exports by £6,000,069. Grain and flour were In the case of a sick animal it may be wise, if it responsible for £1,550,160 of the increase in im- cannot swallow, to inject a small quantity of ports. Animal products imported decreased by gruel (or soup if the patient be a dog). €333,889.

Although February opened with dry and seem- in the house were suffering in a similar manner to the Farmers' Club. Mr. Eve stated that no more ingly settled weather, rain soon returned again the animal? Then as far as possible do the same especially deplorable in view of the arrears of eye is sore or inflamed you put a shade over it. At least £250,000 is to be applied annually plowing, as February is usually largely devoted Do the same with your animal. I have seen for agricultural development. In the discussion to the sowing of spring wheat. Should the dozens of poor beasts suffering dreadful agony it was claimed that England had more to fear weather change so that farmers can get onto the from their eyes. The tears have been rolling from the science which held sway in Germany land a large area will be sown to wheat in place of down their faces and their lids swollen to an than from their ships or army. Another point oats and barley. Of the crops above soil wheat enormous size, yet their owners were amazed emphasized during the discussion was the ne- looks fairly strong, rye is healthy and so is young when I have said that every ray of light was clover.

By the way, no money is yet available under Lambs and ewes are doing well, with lower is the general cry. the act — the amount was in the budget sus- mortality than usual, and the health of farm stock

F. DEWHIRST.

# Nursing Hints for Stock Owners

BY DR. J. FIELDING COTTRILL. Part III.

DISINFECTING

It is just as important that the animal and its surroundings be kept clean and sweet as it is they be covered with quicklime). But to defor ourselves. Pure air I have already spoken stroy them by burning is safe. largely aided by sunlight and fresh water; but as we are not always able to take full advantage of the general consumer to the wool tariff, from the these we use various chemical preparations, pen of E. B. Biggar, Toronto, is being circulated. water would dilute and wash them away, too, the producer of wool. but might cause the disease to spread elsewhere, With these arguments we are all more or less but by adding say two ounces of carbolic acid to familiar. They are similar to those always urged one gallon of water and flushing the stable out by advocates of higher protection. The writer with this these dangerous germs would be de- informs us that raising the woolen tariff will not stroyed. If about four ounces of crude carbolic necessarily mean increasing the cost of clothing Machine skimmed condensed milk has received be added to every gallon of lime wash the walls to the consumer, and will markedly stimulate

Every sick animal should, whenever possible, ada.

grazing on the experimental plots. Two plots The suggested marking of all imported meat as be removed from the rest of the animals, and the young because they were kept in the same place as one which had aborted. I have seen several mysterious cases of inflammation of the udder appear in the same stable which contained one animal with a badly suppurating wound. Septireadily pass from one animal to another. These of one who walked through a healthy pen after visiting a diseased one. Hence, it is dangerous made at isolation let it be real. Let a separate person attend to the sick, or, if it is absolutely necessary that the same person attend to all the four ounces to the gallon, on his hands after coat when entering the stable, and this can keep the contagion from his ordinary coat. But be sure to use separate pails and stable utensils

#### MEDICINE ADMINISTERED

See that the medicine is never given so strongly

Enemas, enemata, clysters or injections, as they are variously named, should be freely used on all sick animals. They should feel comfortably

Let me request you to say when you have a sick animal: "What would we do if one of us torment to the beast. "I never thought of it,"

"Gentleness," "cleanliness," "regularity," and "thought" should be written over every stable

# DEAD CARCASSES

This subject is beyond nursing, but I would like to say a few words about them. They should in every case be burned. To leave the carcasses for the coyotes is criminal, morally, and should be made so legally. To bury them, in many cases, is merely to court further disaster (unless

A pamphlet on the relation of the farmer and

manufacturers to buy more of their wool in Can-