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THE FARMER'S ADVOCATE.



First-prize Shearling Oxford Down and Champion Ewe of the Breed At Toronto, 1910. Owned and exhibited by Peter Arkell & Sons, Teeswater, Ont.

for food purposes should be thoroughly pasteurized.

When diseased animals are found, the stables from which they are taken should be thoroughly cleansed and disinfected.

When the stable can be tightly closed, formaldehyde gas, properly used, is reliable and satisfactory

If tuberculous cattle have been kept in a small yard, the litter should be removed. the surface plowed, and the fencing and other fixtures thoroughly cleansed and disinfected.

Why Winter Hog Lice?

There is small reason for the continued pres ence of lice on hogs. When pork is as high-priced as it is now, it is folly to lose largely what might be clear profit by neglecting this pest. pork is cheaper, no one can well afford to harbor such destroyers. Lice should be cleaned out of the pens and yards, and kept out. To do this requires frequent attention. They are more likely to appear on fail and winter pigs for which reason more attention should be given to these. The pigpens should be thoroughly disinfected, and the pigs dipped two or three times at periods about ten days apart. For dipping purposes, any of the reliably-advertised dipping mixtures or coal-the reliably-advertised dipping mixtures or coaltar products may be used. tank is owned, the same end is served by placing the pigs in a pen and thoroughly sprinkling them with the mixture. Small pigs may be effectively dipped in a barrel. Few farms where dipping or dipped in a barrel. Few farms where dipping or at almost any time, yet it must be remembered its equivalent has not been practiced are free from that, during October and November a very large lice, and it would behoove every man who has pigs to winter to see that both the pigs and their quarters are cleaned of lice before the cold weather sets in.

hand a very ready source of reliable information upon vict these poachers with perfect safety. If these records have not our fault. They should be kept by every dairy farmer who aims to be progressive. We have be ore our readers, and urge you now to stop to the dishonesty which your cows are practicing. Blank forms for keeping these records may be obtained free on at plication to J. H. Grisdale, Dominion Agriculturist, Central Experimental Farm, Ottawa. Write to-night. As soon as these gulls, these non-producers, are located, fatten them up, and let the butcher have them

And there are horses which have amply proven that

they can neither do a draft horse's work day in and day out, nor a road horse's work at any Some of these have been kept for many a day. They are not good enough. They eat al-most as much as the right kind of a horse, but never give satisfaction in harness. They are poor advertisements of your business acumen. If they are brood mares, they are still less desirable. Let the grocery man or the other city fellow have them; they can come nearer making good use of such horses than can farmers. Let them go, and, in place of three scrubs, get a pair of good (if possible, pure-bred) draft mares or other mares of the type preferred, study to use them rightly, and know by your own experience what you now believe is good practice.

Similarly can scrub brood sows and breeding sheep be located in every breeder's possession Get rid of them : it seems costly to do so, but in reality it is an actual saving. One will be money ahead every time he discovers and discards an unprofitable animal. And that money can be put into profitable ones.

Dairy Bull Requirements.

Thoughtiul farmers who practice taking time by the forelock are casting about at this season in search for a suitable sire to place at the head of their herds for next season. By making that pur-chase now there is a larger stock from which to select than at any later season. Though one may reasonably expect to be able to purchase a bull part of the breeders' surplus stocks are being bicked)ED 1866

money at the seller. It is not a question of buying a good bull, but of bu bull that is superior to anything that you previously which they can con- had, in order that he may have the lity to improve on the already improved he Not only should he be better than the las ne, but he should be as much better than the L one as you not been kept, it is have money to purchase. Every o Judiciously invested in buying superiority in a will return dollars in milk, and that right speed

The new bull should be of the s. breed as those that have gone before. There merit in all of the breeds, and if a man, in star ing out for gressive we have of the oregan, has selected a certain breed, he is surer of attaining his end by adhering to that breed than by changing. However, uniformity in and arge you not not an entire community is a splendid characteristic. records and put a which would justify the changing from one breed to another if such an end would be accomplished. However, excellence is not assured by the selection of any particular breed, but by judicious selection after careful and continuous study of the performance of individuals within the breed.

In selecting a bull, the two factors of individuality and ancestral performance must go hand in hand. Whatever the breed, constitutional vigor, as revealed in a strong heart girth, a capacious middle, evidenced by a deep flank and a long, roomy barrel; quality, as reflected in refined bone, a soit, lively, fine coat of hair and a loose, mellow hide; and the nervous development, which indicates a highly-organized and well-controlled system, should all be in evidence. But, of at least equal if not greater importance is the record of performance back of the individual. Has the dam of this bull a record for heavy production of high-testing milk? Is his sire out of a dam that has a record that is desirable? These are the questions that the pedigree of a bull should answer affirmatively before he is taken to head a herd of milkers. The greater the number of cows of such capacity, close up in the pedigree of a bull, the more certain is he likely to prove a profitable sire. Couple these requirements with the individuality of the animal, and get the highest combination of both that your finances can command.

Beyond this, there are some things which, in buying, must not be overlooked. The herd from which one selects should be clean. Few men can afford to import tuberculosis or contagious abortion into their herds, no matter how much they may desire some of the animals from an infected herd. Tuberculosis may be readily detected by the tuberculin test, and a buyer will do well to demand such test, even if it costs more; abortion is not so easily detected, but its presence can usually be learned, and both should be carefully avoided.

Hogs to Test for Tuberculosis.

The tuberculosis problem and its solution has been given careful study recently by Burton R. Rogers, of Kansas State Agricultural College, who formerly was Faderal Veterinary Inspector. In a pamphlet recently sent out, he deals with the, uam ger of hogs becoming tuberculous from getting the germs in faces from tuberculous cattle running in the same yards or fields. His claim is that ten per cent, of all cattle in the United States are tuberculous, and that forty per cent, of those that react to the tuberculin test pass tuberculosis germs. Hogs rooting through these faces naturally become afflicted with the dread disease

Mr. Rogers points out that the hogs in reality test the cattle, because, when a tubercular hog is found in the slaughter-house, it can safely be up, and, assuredly, all of their best animals. It is found in the slaughter-house, it can stands to reason that farmers can winter their inferred that he came from a farm on bulls just as cheaply as the breeder, so that, by were cattle suffering from tuberculosis. The diff-

Cull the Herds.

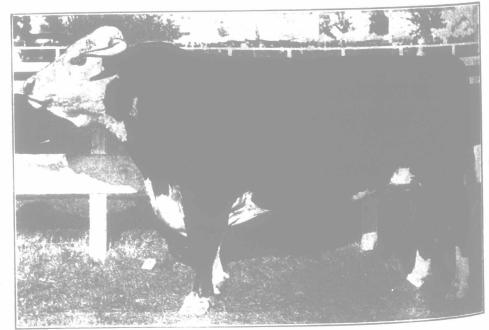
Too many men hold the opinion that most everything on their farms is just about right Their teams keep a little fatter on less feed, yet do more worl : their cows give just as much milk as anyone's else, and of higher lutter-lat content. their sheep always raise more or larger lambs and their sows the largest and evenest litters of the settlement – But, in truth, there is scarcely a jing the late fall and farm throughout the land that is not carrying too large a proportion of deadweight two stock The sensible thing to do now is to divest the problem of all sentiment, and in a business man of shipping becomes ner discard every animal that is not handsomely paying its way.

In most every man's group or calves are to his own't has the In most every man's group or carves are to mis own't has the be found some stunted ones that for one reason' privilege or giving or another give promise of a slowly-gamed, him the care re-dwarfed maturity. They will never pay. As quired to put hum beef animals, they will eat their heads off the into first class herd for any provide desired by broader. females will never make desirable breeders or milkers. The thing to do is to hasten them of the place before winter sets in

Likewise, in almost every herd of milch cows there are cows that have not paid for the pasture they have used, and the labor expended on them They have deadheaded their way for a number of years, being kept, perhaps, because their dams or their grandams were what were then thought to be you can consciengood cows li records have been kept by use of tiously spare, with the scales and Babcock tester, the owners have at out throwing your

early buying, the additional costs of wintering, and risks encountered by the breeders in carry ing their stock longer, do not have to be paid for $-B\bar{x}$ having the hull in his new home dur

In buying a new stock bull, whether to head a pure-bred or grade herd, never be niggardly Put every dollar the investment that



Prime Lad 32nd. ye rs and over, at the Western Fair, Lon-Herefesd built 1 of a by O'Neil Bros., Southgate, Ont.