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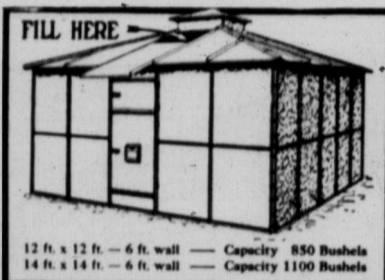


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### LIVESTOCK SUGGESTIONS

The department of agriculture has recently issued a bulletin containing some seasonable hints on matters pertaining to the farm. Some of those relating to livestock, and prepared by E. S. Archibald, Dominion Animal Husbandman, are as follows:

#### Feeds

Mill feeds necessary for the coming fall and winter can usually be purchased cheapest during the summer months. Watch the markets closely and buy co-operatively.

#### Horses

Feed the work horses well during the hard work of summer and fall. A grain mixture of oats, 5 parts, and bran, 1 part, gives excellent satisfaction. When feeding well, don't forget the usual weekly laxative, such as the Saturday night bran mash or the Sunday pastures.

Keep the colt growing rapidly, but not too fat. The growthy, trim colt weaned on grass, grain and milk makes the largest and most valuable horse.

If the mares were not bred in the spring, why not try fall breeding? Fall foals are often fully as economical as spring foals, and you have the mares unimpaired for heavy spring and summer work.

#### Dairy Cattle

When pastures are short, feed the dairy cows liberally but judiciously on green feed and grain. One bag of meal fed before the cow declines in milk flow is worth four bags in trying to increase the milk flow after a decline.

Conserve the green feed for supplementing pasture. If not sufficient for this year, prepare early for next summer.

Calves never thrive when subject to intense heat and flies. House them comfortably during the day and increase the gains by many pounds.

#### Beef Cattle

The scarcity of beef warrants the most economical use of pasture. Pasture supplementals—such as green feed—and even a limited grain ration in summer and fall feeding. Finish the steers early and thoroughly. Feed yearlings well. These are usually neglected and much money lost.

#### Sheep

Sheep were never more profitable than now. The summer and early fall are splendid seasons either to increase the flock or make a start in the sheep business.

Before the sheep go into their winter quarters be sure of the absence of parasites. Fall dipping pays.

Force the lambs on pasture, even though it necessitates a limited grain ration. Rape and clover pastures are excellent for quick and economic gains.

Before breeding the ewes, flush well on good pasture. It means more and stronger lambs during the coming spring.

#### Swine

Force the fall litters before winter weather sets in. Only the larger pigs can make the most economic gains in cold weather. Use only the best breeding boars. Good boars are scarce. Do not part too quickly with the proven sire.

### MANITOBA WOOL CLIP

The sheep industry has never received the attention it deserves in Manitoba, primarily on account of the high cost of fencing, an essential to the successful handling of sheep under present conditions. This difficulty, to a large extent, is now being overcome, and the breeding of sheep promises to become one of our staple industries.

Sheep should not only be a profitable branch of mixed farming, but their introduction into our farming system will do much to help control the spread of noxious weeds, and an increased supply of lamb and mutton will go a long way in helping to reduce the cost of living, both on the farms and in the cities.

In order to encourage the sheep industry, and assist the farmers of the province in finding a satisfactory market for their wool, the provincial department of agriculture undertook to handle this season's wool clip for the farmers on a co-operative basis.

At the request of the minister of agriculture, Hon. Valentine Winkler, George H. Greig, secretary of the pro-

vincial Sheep Breeders' Association, took charge of the work about the middle of May. Circulars were sent to all known breeders of sheep in the province announcing the plan, and giving instructions for packing and shipping the wool. Upon receipt of the farmer's wool, whether the product of one or two sheep or a thousand, it was carefully weighed, and then graded by an expert wool classifier sent out by the Livestock Branch of the Dominion Department of Agriculture. It was then properly packed and the grade and weight branded on each sack.

Upwards of 74,000 pounds, four carloads in all, were received, and finally sold to the highest bidder, a local firm, the North West Hide and Fur Co., securing the lot at \$26.80 per hundred, except for the tags.

In order to make this effort as instructive and helpful as possible, each farmer is paid for the value of his wool, those having good sheep, well cared for, and putting up their wool in good condition receiving the benefit over those whose wool is of inferior quality.

#### Improvement Possible

Mr. Jennings, the expert grader, pointed out that great improvement could be made in Manitoba wools by better breeding care and feeding of the sheep, as well as by more careful handling of the wool after shearing.

He further stated that much of the Manitoba wool was somewhat lacking in yolk, weak in fibre and dark, as compared with the bright wool of Ontario and Quebec. Of course this is easily accounted for by the fact that in this province sheep are largely used as weed destroyers, and allowed to run on the summerfallow, where they get a great deal of soil blown into the fleeces.

On the whole the results have been most satisfactory, the price realized for the farmers, after paying the one cent per pound commission charged for handling, being from five to seven cents more than would have been realized had the department not taken up the work.

The grades, values and quantities of each are given in the following table:

Grade	Value	Amount
		lbs.
Fine combing . . . . .	\$ .25	738
Fine medium combing . . . . .	.26	3,942
Medium combing . . . . .	.27	16,222
Low medium combing . . . . .	.27	32,843
Coarse combing . . . . .	.27	3,000
Lustre combing . . . . .	.27	5,745
Fine medium clothing . . . . .	.25	694
Medium clothing . . . . .	.25	4,359
Low medium clothing . . . . .	.25	2,403
Fine clothing . . . . .	.23	750
Rejections . . . . .	.23	1,391
Black . . . . .	.23	1,195
Cots . . . . .	.23	23
Washed . . . . .	.35	827
		74,132
Tags . . . . .	.08	504
		74,636

### FEED THE YOUNG FOAL

Are you giving that young foal the proper care? To become a strong, sound horse when matured the foal must be well nourished and given every advantage possible.

At this time of the year mares and colts are allowed to spend at least a part of the time in the pasture. The foal should be taught to eat grain very early. By placing the feed box from which the dam eats her grain low, the foal, at about two months of age, will begin nibbling with the mother and will soon acquire a taste for the grain.

A pen built in one corner of the field made high enough to keep the mare out and allow the colt to pass under will make it possible to feed the foal grain with very little difficulty. Allow the mare in the enclosure with the foal for a few times, and it will soon learn to go in itself. Keep a liberal supply of grain, preferably oats and bran, and perhaps some cracked corn, in the feed box. To induce the dam to loiter about with the colt, have the pen near a shade tree or the salt box.

By weaning time the foal will have become thoroughly accustomed to eating grain and will wean very easily, besides being in better condition as a result of this additional feed.

Try this plan this year and you will be surprised to find a sleek, fat, well-grown colt at weaning time.—C. S. Anderson, Colorado Agricultural College.