

The World's Best Wheat

Continued from Page 7

on June 5, 11, 14 and 15, when the temperature reached 15 degrees. This checked growth somewhat, but the seed, being a vigorous strain and selected for past four years, was not so seriously affected as some other sorts.

Sheaf Exhibits

In sheaf exhibits I entered one sheaf of hard spring wheat from an original selection of my own, from a single plant of Marquis wheat in 1911. It is a distinct and new sort and has been re-selected since that time until this season, when I had four acres seeded down. The grain from this selection would, I consider, have made an equal or better showing than the wheat that won the sweepstakes. At this time I cannot go into details respecting this wheat, but it is the best wheat I have ever grown under all the varying conditions of the past five seasons. This sheaf won first in the class and I have named it "Kitchen-er."

In the soft spring wheat I entered a sheaf of a sort that originated on my own farm, that I know as "Dominion." It is a very handsome wheat. This sheaf won first prize and third sweepstakes.

In the winter wheat class I entered an original selection of my own that originated also on the farm. This sheaf won first prize.

In the oat class I entered my selected Victory oats and won first prize and first sweepstakes. In sheaf of Brome grass I won first prize and sweepstakes.

Success with Sudan Grass

In Sudan grass I won third place. The entry called for a bale of Sudan grass. I sent in this sheaf as a special exhibit, as it is the first time I have grown it. The sheaf was five feet tall and I may say that I feel convinced that it will have a place in the West. A few heads ripened seed and I allowed it to stand as long as possible to note what effect frost would have on it. A very hard frost of 18 degrees on September 14 cut it down, but it also cut all other crops down as well. The alfalfa I entered was the third cutting this year.

Twelfth Annual Alberta Winter Fair Fat Stock, Dairy, Seed and Poultry Shows

To be held under the auspices of THE ALBERTA DEPARTMENT OF AGRICULTURE; THE LIVESTOCK BRANCH OF THE DOMINION DEPARTMENT OF AGRICULTURE; THE ALBERTA LIVESTOCK ASSOCIATIONS

In conjunction with the Alberta Provincial Seed Fair - the Calgary Poultry Show

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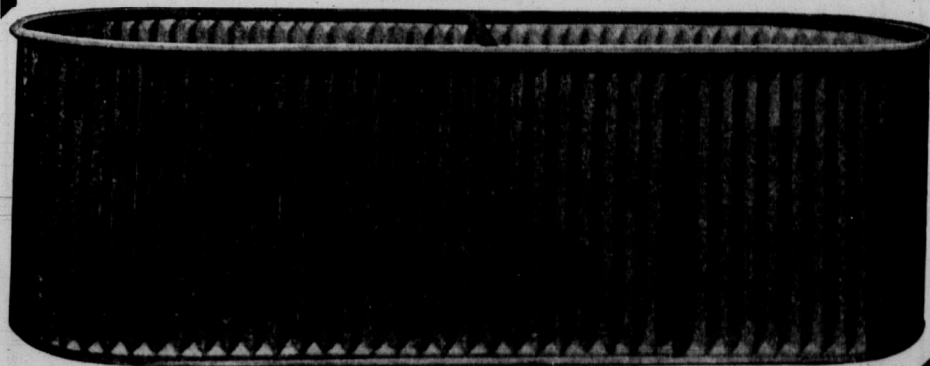
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1042	2 ft.	2 ft.	6 ft.	5 1/2 bbls.	60 lbs.	10.20
1043	2 ft.	2 ft.	7 ft.	6 1/2 bbls.	80 lbs.	10.50
1044	2 ft.	2 ft.	8 ft.	7 1/2 bbls.	85 lbs.	11.50
1045	2 ft.	2 ft.	10 ft.	9 bbls.	100 lbs.	13.55
1046	2 1/2 ft.	2 ft.	10 ft.	12 bbls.	120 lbs.	15.90
1048	3 ft.	2 1/2 ft.	10 ft.	18 bbls.	140 lbs.	18.10
1050	4 ft.	2 1/2 ft.	10 ft.	24 bbls.	180 lbs.	21.95
1052	6 ft.	2 1/2 ft.	10 ft.	35 bbls.	230 lbs.	28.00
1056	6 ft.	5 ft.	10 ft.	70 bbls.	315 lbs.	38.80

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The Marking of Livestock

By E. S. Archibald, B.A., B.S.A., Dominion Animal Husbandman

The importance of marking individual animals in the herd and flock is evident. Animals which are on pasture, particularly on the Crown lands, where the owners do not see them at least once per day, are apt to be mixed with the neighbors' cattle and in any event so change in their appearance during the few months on pasture that it often leads to confusion. Numerous cases of theft of unmarked animals have been brought to our attention in recent months. This would have been eliminated had the animals been properly marked.

The writer knows from personal experience that a comparatively large percentage of Canadian farmers take so little interest in their livestock that they cannot readily tell the individuals and the breeding of their herds, this even applying to many farmers who have pure bred cattle. Altho proper marking will not correct this lack of interest, with the accompanying lack of intelligent work, nevertheless it will guarantee the knowledge of the breeding of the various animals and the possibility of retaining the heifers from only the best producing stock for the upbuilding of the future herds.

Methods of Marking

There are four methods, more or less commonly practised, of marking livestock, namely, branding on the body, nicking of the ears, use of ear tags, and use of the tattoo in the ear.

Branding on the body is still practised in many districts and is very satisfactory. However, for show purposes the brand is more or less unsightly and with valuable breeding animals which might be sold to other individuals or companies this large brand, which it is impossible to obliterate, is very unsatisfactory.

The nicking or slitting of the ears of individuals has been practised from time to time with practically all classes of livestock to designate both the owner and the breeding of the individual. This, too, has its objection, as it is unsightly in valuable breeding stock and is not sufficiently complete in its marking.

The use of the ear tag is most commonly practised where mixed farming is commonly carried on. The ear tag may have stamped thereon the name of the owner and the individual herd name or number of the animal and the registration number in the case of pure bred animals. This is very complete so far as information is concerned. The great trouble with the ear tag is that it may be lost or in the case of theft may be easily removed and replaced by another. Aside from this, of the various types of ear tags used, the writer has not discovered one which may not be torn out, leaving a very badly mutilated

ear. In the hands of careless, indifferent users the ear tag may disfigure the ear by not being properly placed therein, by using the wrong size of tag, or by allowing festers to form around a tag which is too small or which has not been treated in a cleanly manner. Hence the fact that many of our largest breeders of livestock are looking for some better system of marking cattle and other classes of stock.

The Ear Tattoo

The tattooing of the ears of animals has been tried for several years in various countries, and with greater or less success. It consists in punching numerous small holes in the skin in the inner part of the ear and rubbing into the perforations a special tattoo oil which is indelible. The needles which are used to make these perforations are set in small lead blocks in the form of letters or numbers as required, and these lead blocks slip

into the jaws of a specially made punch. The marker, that is, the punch, with three letters or figures is valued at \$2 and extra letters or figures are valued at from 30 to 35 cents each. The black tattoo oil per bottle, sufficient to mark 500 ears, is valued at 50 cents, and the red oil at 60 cents per bottle. Hence an outfit sufficient to mark the name of the owner and designate the herd number of the individual would cost about \$4 for 500 head and for animals over 500 head only one-tenth of a cent per head for tattoo oil. Comparing this with the average price for labels, it is seen that it is really much more economical. As a rule the charges for ear tags in lots of 500, with name and number stamped thereon, are \$7 for the small size for sheep and hogs, \$10 for the average size for cattle, and \$12 for the extra large cattle size.

Method of Tattooing

The method which has been adopted for the tattooing of cattle, sheep and swine on the Central Experimental Farm is as follows: The part of the ear where it is desired to make the necessary marks

Continued on Page 30

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