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The William Galloway Co. Ltd. of Canada

Methods of Preparing Soil

April 8, 1914

Continued from Page 15 tention of moisture. Subsequent work with dise, scrubber, and drag harrow will put the area in condition for seeding the following spring."

### Southern Alberta

W. H. Fairfield, Superintendent of the Experimental Station at Lethbridge, Alta., finds that the methods advocated for Saskatchewan by Mr. Mackay are entirely applicable to Southern Alberta. He emphasizes the value of harrowing immediately after plowing.

"What Mr. Mackay says is applicable in every detail to Southern Alberta. If every homesteader settling here could have the importance of the advice given so impressed on him that he would follow it implicitly, the annual production of grain in this part of the province would be increased by many thousands of bushels. I cannot see that there are any conditions peculiar to this part of the province of Alberta that demand treatment other than such as Mr. Mackay has outlined for Saskatchewan, with the possible exception of the following details:

"Prairie sod in Southern Alberta should be broken shallow and backset later on in the same season, as recommended, but, if for any reason the land is to be broken deep, care must be exereised to see that the furrow slice or sod is not so thick as to prevent it being furned completely over and lying flat. For, if it is allowed to lap on the previous furrow, an air space will be left under part of each furrow slice, with the result that it will dry out rapidly and the process of rotting will be stopned. It is a help to roll or flatten down all breaking as fast as it is done.

"In the district of the Chinook winds special emphasis should be laid on the importance of harrowing land as fast as it is plowed, in fact, of the advisability of attaching a section of the harrow to the plow. Special attention should also be called to the mistake so often made of plowing in the fall when the soil is in a lumpy, dry condition. In regard to the depth of seeding. A is well for a farmer to force the seed down till it is in contact with the moisture. even if it is over two inches below the surface."

#### Northern Alberta

G. H. Hutton, superintendent of the Experimental Station at Lacombe, Alta., gives some valuable points as to the breaking and later treatment of brush land.

"Generally speaking, the Experimental Station at Lacombe covers conditions in all territory north of Township 24 west of the 5th Meridian, and all territory north of Township 30. In those districts in Central Alberta which are strictly prairie country, the general recommendations outlined elsewhere in this bulletin will apply. In those districts which are not strictly prairie, but which are commonly designated as brush country, i.e., country in which there is a fair proportion of prairie and also patches of willow brush or timber, slightly different recommendations may be made.

"Brush Country Methods .-- In brush country, deep breaking is the only practical method. By breaking to a depth on five or six inches, the breaking plow gets under the roots and it is not so easily thrown from the ground. When denty of power is used, as a five or six

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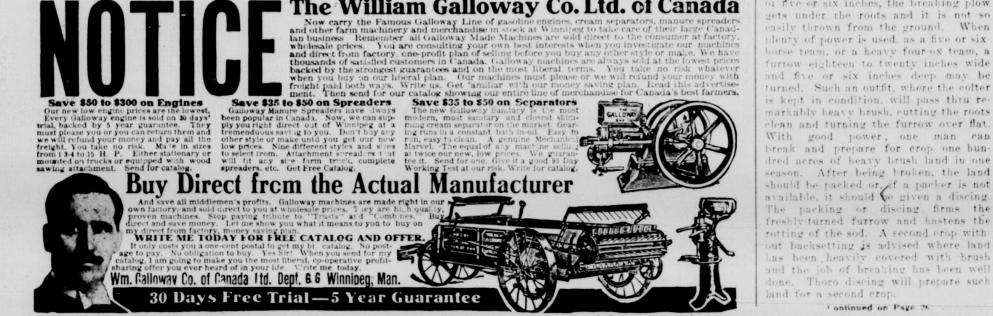
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