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WHEAT

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ed!—J. A. McE.

No. 8 of the
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THE SOIL

important class of
mobilized at this
arms is that to
e "Soldiers of
to 19 years of
place 25,000 such
Canada this year.

The city of Winnipeg alone has about 6,000 boys of this age, and though many of these are employed in classes of work which cannot be interfered with, there is still a large balance that have not yet quit school or that may be spared for farm work.

Enrolment of these boys was carried on in the various cities in Canada during the week March 17 to 23, and the campaign to enlist them is so thorough as to promise large results.

Every farmer is aware that a city boy of 17 is not as good a helper as a country boy of the same age, but as some preliminary instructions are to be given in regard to handling horses, etc., and as no doubt in most cases the boys can be worked in company with experienced help, it is believed that they can be very greatly used.

Other movements are on foot to secure men of various classes, both English speaking and of foreign birth, and there is every reason to believe that the amount of help available for seeding will be adequate in Manitoba.

The main need just now, from the farmers' standpoint, is that he shall file his application at the earliest possible moment. These applications from Manitoba farmers should at once be addressed to the Provincial Immigration and Colonization Office, 439 Main street, Winnipeg.

WHAT I HAVE LEARNED

I have learned that Tumbling mustard, so common and harmful in this locality, can be successfully combated by proper cultivation at the proper time, namely, through cultivation of the surface soil at time of the weed's germination or just after.

That it is imperative that a close watch be kept on the fields for the appearance of Tumbling mustard in early spring.

That the first principles of summer tillage in parts where the rainfall is limited is the storing up and conserving of moisture in the soil.

That plowing is not a complete operation in itself, but that it should be followed immediately by the packer and harrow.

That it is a saving of time and labor and a means of conserving moisture to plow shallow in the fall all land that is to be summer tilled the following season.

That a moderate number of cattle, sheep, hogs and grain, as circumstances will permit, is more advisable than to specialize in any one of them.

That considering the possibility of being frozen out it is advisable to keep hogs.

That cattle invariably carry lice all summer and that it is profitable to treat them for lice early in the fall and upon going into winter quarters.

That the most economic method of feeding oat sheaves is to first put them through the feed cutter, thus making waste impossible.

That most economic failures in rural districts are due to lack of effort to co-operate.

That the duty of a good citizen and farmer not only comprises the management of his farm for more profits, but an active interest in the general welfare of his community to bring about better social conditions and better laws.—Progressive, Sask.

TIMOTHY ON DRIFTING SOIL

To get a catch of timothy and light drifting land I have tried a few different ways and found none to be as good as this: If the land is in a run-down condition, summerfallow it, plowing once the first summer very deep, say seven inches. That fetches up some of the soil that has not been used or cultivated for some time. New soil, no matter how light, will not drift like soil that has been worked a lot.

This land must not be cultivated too much as the finer it is the worse it will drift. Just harrow and pack and leave until next spring till about May 24. Then run the cultivator over it just to give it a rough top. Sow either oats or barley, putting the timothy seed right in with grain and be sure to mix the grain up at every round. If this is not done the timothy will work to the bottom of the box.

By this method of seeding timothy late with barley or oats I get the



The lever hitch carries the pull of the plow up over the drive wheel. The harder the pull, the harder the wheel grips the ground. Note the great width of driving wheel surface.

NILSON

Big Traction Minus Dead Weight

WHEN you have found the tractor weighing only 6200 pounds which has 4000 pounds draw bar pull, or the tractor weighing only 4300 pounds which has 3000 pounds draw bar pull, you have found the tractor which is economical in fuel consumption.

The Lever Hitch is the secret of the Nilson Tractor. It obtains traction by the lever and fulcrum principle instead of by weight. By carrying the line of pull up over the drive wheel, it converts the pull of the plow into downward pressure, thus giving the drive wheels "Grip" or traction. With a Nilson you do not pay for fuel for propelling hundreds of pounds of dead traction weight.

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The Nilson Junior as shown in the accompanying photograph is a three and four plow tractor, depending upon conditions. The Nilson Senior is a four and five plow tractor. The Junior operates a 24-inch cylinder separator fully equipped, the Senior a 28 to 30-inch separator. Both models have a speed of 2 1/4 to 6 miles an hour and a short turning radius of 16 to 17 feet.

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