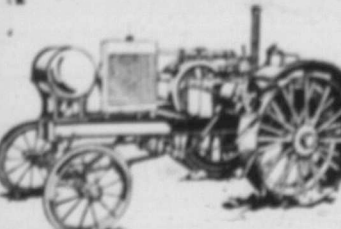




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Roth Feeder and new high loader and
register attached. \$1000
Two new 24 1/2 h.p. separators of our own
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and high loader and register. \$1390
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Market price high. Larger yields
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The Loader helps the hustling Farmer with his Haying Operations.

Field Crops

Fall Cultivation

The eradication of weeds without recourse to summerfallow or the use of hood crops is the problem confronting the farmer in Central Alberta. In this region summerfallow is not practical, particularly in the areas of black loam soil, for the reason that too much nitro-
gen is liberated by the frequent cultivation with the result that the crops lodge, do not fill properly, nor mature as early as if less growth had been promoted. Hood crops at the present time are not practical on account of the high cost of labor and the relatively large per-
centage of the farm which would an-
nually have to be included in this class of crop.

Under these conditions, fall-cultiva-
tion of stubble land with the object of
encouraging the germination of weed
seeds offers the best opportunity of con-
trolling and eliminating weeds. Begin-
ning in 1908, the practice of disking
immediately behind the binder has fre-
quently been followed, and in conse-
quence land, which in 1907 produced
53 per cent. of its total crop as weed
seeds, does not now produce more than
five per cent. of weeds, while no season's
crop has been lost in the interval
through the use of the summerfallow.
The advantage of disking immediately
behind the binder, as compared with
disking after the grain has been
shocked, consists in the fact that all
of the land can be disked, and the
moment the field of grain is cut the
disking is completed. Much disking has
the dual effect of providing a shallow
seed-bed in which weeds germinate
freely, and of preventing the evapora-
tion of moisture from the land newly
exposed by the cutting of the crop. By
plowing such land as soon as the grain
is threshed and following with the
parker, a second crop of weeds can be
germinated in favorable seasons. The
parker does the most effective work if
used immediately after the plow, both
as to its cultural effect on the land
and in conserving moisture, and on
heavy black loam soils will leave the
land in good condition for germination
of weed seeds.

No fall plowing should be done to a
depth of less than six inches, since it
should be remembered that fairly deep
plowing brings returns far beyond the
extra cost of turning the additional
depth.

Where the fall plowing of soil is

practised, it is wise to do this work
as early in the season as possible, pre-
ferably the latter part of August or
early in September. Six horses will
handle a two-furrow, 14-inch gang plow
in this class of land, and if the furrows
are carefully turned to a depth of at
least six inches, the land packed,
double-disked and drag-harrowed, the
parker at least being done daily and
the other work within a week of the
turning of the soil, this cultivation will
be found equivalent to a partial sum-
merfallow and quite sufficient to insure
a maximum crop for the black loam
areas.—G. H. Hutton, Superintendent
Lacombe Experimental Station.

Put Manure on Land

"The sooner we get it into our heads
that we must manure our land the
better," said John Arnott, reeve of
Shell River municipality, Man., the
other day, when three or four of us
happened to be talking over farming
matters in general. "The crop you get
does not all depend on the cultivation
you give the land. You know that field
of mine where we held the plowing
match last year. Well, the part of the
field which the boys plowed that day
was well turned over and was well
cultivated, but the crop growing on the
other part of the field beats it by a
third. The reason is that this part has
been manured while the other has not
had any manure and is losing heart."

Later the discussion turned to manure
spreaders. "One of the big advantages
of the manure spreader," said Mr.
Arnott, "is that you can hire ten men to
spread with it to one you can hire to
spread by hand."—R. D. C.

Mice Cutting Twine

Q.—Is there any way of treating twine
to prevent mice from cutting it while the
grain is in the stook?

A.—We know of no treatment for
twine to prevent mice from cutting it
while the sheaves are in the stook.
No doubt some strong-smelling sub-
stance such as Zenoleum would act as a
deterrent.

Inoculation Benefits Alfalfa

For the fall seeding of alfalfa it is
well to remember that this crop differs
from most others by having bacteria
living in nodules on its roots. Sup-
plying these bacteria to the plants is



Potato Field on the Farm of Lynn Bloom, Hardisty, Alta.

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Perennia

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