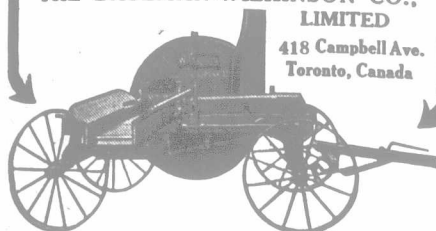


TRADE MARK
Wilkinson Climax B
REGISTERED
**Ensilage and
Straw Cutter**

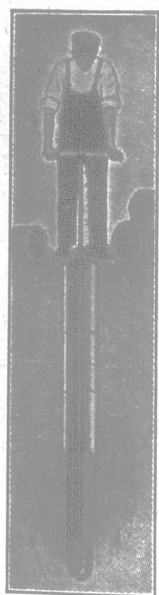
Our "B" machine, built especially for the farmer. A combination machine—it will cut and deliver green corn into the highest silo or dry straw or hay into the mow. 12-inch throat, rolls raise 6 inches and set close to knives—solid, compact cutting surface. Can change cut without stopping. Can be reversed instantly. Direct pneumatic delivery. Knife wheel carries fans. No lodging, everything cut, wheel always in balance. Steel fan case.

Made in two styles—mounted or unmounted. We also make larger type machine for custom work. Ask your dealer about this well-known machine and write us for new catalog showing all styles.

THE BATEMAN-WILKINSON CO., LIMITED
418 Campbell Ave.
Toronto, Canada



**You Can Dig 40-foot Wells
Quickly Through Any Soil
With Our
Outfit At
\$12.00**



Write us to-day, and learn how you can start a profitable business, digging wells for others, on an investment of but \$12.00. Works faster and simpler than any other method. 100-foot outfits at \$25.00.

Write us for full information.

Canadian Warren Axe & Tool Co. Limited
15 Carlton St., St. Catharines, Ontario

IMPERIAL BAG HOLDER

Will hold any sized bag or sack at any height—is easily carried about—stands anywhere—made of steel—lasts a lifetime. Satisfaction guaranteed or money refunded—\$3 each. Send to-day, or ask your dealer. Agents wanted.
Imperial Bag Holder & Machine Co.
Lucknow, Ontario

We Build a Spramotor for You.
It does not matter what your spraying needs may be there's a

SPRAMOTOR
specifically built for your purpose. Prices range from \$6.00 to \$350.00. Write for particulars.
SPRAMOTOR CO., LONDON, ONTARIO

Shorthorns For Sale

3 bulls from 9 to 12 months, 2 young cows soon to freshen, 3 two-year old heifers choicely bred and from heavy milking strain. Prices easy.
Stewart M. Graham, Lindsay, Ont.

Spring Valley Shorthorns

Herd headed by the two great breeding bulls, Newton Ringleader (Imp.) 73783, and Nonpareil Ramsden 83422. Can supply a few of either sex.
KYLE BROS., Drumbo, Ontario
Phone and Telegraph via Ayr.

Oakland 53 Shorthorns

Parties wishing to purchase good dual purpose Shorthorns should inspect our herd of breeders, feeders and milkers. One right good bull for sale, a sure calf getter; good cattle and no big prices.
JNO ELDER & SONS, Hensall, Ont.

Shorthorns

Young bulls and heifers of the best type and quality; reds and dams.
Thomas Graham, R.R. No. 3, Port Perry, Ont.

Questions and Answers.
Miscellaneous.

Lightning Protection.

How many strands of wire would be needed in a cable to ground a steel roof for lightning protection? Would a wind-mill (power) with a steel rod running down to almost basement floor, and which has steel connections with pump, through jack, require to be grounded? Would lightning rods be advisable on a detached drive-shed, which is sheltered by two large elm trees, which grow close beside and dominate it? W. S. M.

Ans.—The number of strands depends on the size of wire. If it is large enough, one strand will do, but if not, then it will require more. For copper, the cable should weigh not less than 3 ounces per foot, and for iron not less than 4½ ounces per foot. Large elm trees might be some protection to the drive-shed, but it is not unusual for buildings beside trees to be struck, and for complete safety, the drive-shed should be rodged. W. H. D.

Exchange of Roads—Trespassing Hunters.

1. Can I compel the Council of our Township to give me the concession road which runs through my property in lieu of a trespass road, which has passed through the same for the past twenty-five years or so?

2. Our next neighbor has had a gate across this road for quite a number of years. Would this make any difference?

3. What steps should I take?

4. What steps should I take to stop hunting on my property?

Ontario.

Ans.—1. We do not think so.

2. Yes.

3. It is a case for mutual arrangement.

4. Put up and maintain at the boundary of your land sign-boards—two to each forty acres, and at least one foot square—containing a notice to this effect: "Hunting or shooting forbidden." After such warning, or a notice to the particular person given either verbally or in writing, anyone hunting, shooting, or with any sporting implement in his possession going upon any enclosed land of yours may be treated as a trespasser and prosecuted accordingly.

A Thistle—Weeds on Railroad.

1. I have purchased a farm, and since moving on it I find one field covered with what they call Russian sow thistle. It is now in pasture, and I learn it has been down for nine years. We can see them all over the field. Could you advise me how to handle field to destroy them, about eight acres?

2. The railroad runs through the farm. Along the fence is covered with white daisies. They have come through in the fields. We have cut ours down, and have asked the men if they would cut theirs. They said they would, but have not done so. What can we do? G. C.

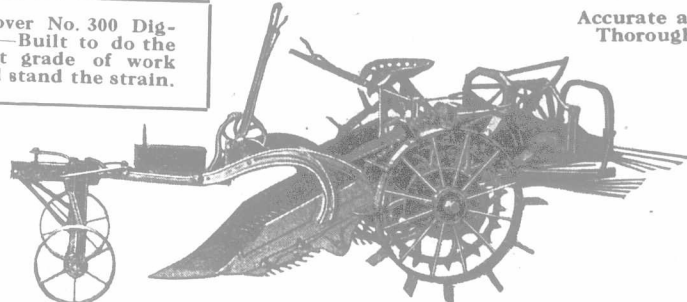
Ans.—1. We are not sure whether you have the Russian thistle or the perennial sow thistle. These are two distinct weeds. The Russian thistle has thin, thread-like, prickly-tipped leaves, and the older plants have spiny bracts on the flowering branches. The old plant resembles a tumble weed. It is not common in Eastern Canada. Hand-pulling or summer-fallowing will clean the land. We are inclined to think, however, that your weed is the perennial sow thistle, one of our worst pests. It can be easily identified by its showy, yellow flowers, about 1½ inches in diameter, and its long, pointed, deeply-cut leaves, often 6 to 12 inches in length. In small patches, it may be eradicated by digging out. This may have to be done several times in a season. Plow lightly in summer or early fall, and work frequently with the broad-shared cultivator until winter. Summer-fallow with frequent cultivation next spring up until time to sow rape. Drill up and sow the rape in drills at the rate of 1½ lbs. per acre. Cultivate the rape until it is too large for further working. The land may be cleared in this manner, or a hoed crop may be put on it the following year.

2. See the section foreman again, and if he does not look after it make complaint to headquarters. If this does not bring results, place the matter before the Railway Commission.

HOOVER POTATO DIGGER

Hoover No. 300 Digger—Built to do the best grade of work and stand the strain.

Accurate and Thorough



STRONG CONSTRUCTION

Main frame is strongly constructed, and gives maximum strength with least amount of weight.

Shovel is of crucible steel, so shaped that it will properly scour, also gather the potatoes with the least possible loss.

DOES CLEAN WORK

Agitating rear rack and vine turner has a backward and forward motion, which sifts all dirt out and deposits the potatoes in a compact clean row, while the vines and trash are deposited at one side by the upper set of rods and vine forks. It can be relied upon to do first-class work always.

ROLLER BEARINGS

Main elevator shaft has roller bearings, 2½ inches long, protected from the dirt and oiled by means of compression grease cups. All idlers over which elevator runs and the pitman shaft are provided with roller bearings.

TRUCK

Wheels of truck have nearly double the action of the pole, and permit the machine to be turned around at the end of the row to come back on the next one, or even shorter, if necessary. Made in six-foot size for sandy land, and seven-foot size for heavy, sticky soils.

JOHN DEERE SHAKER POTATO DIGGER

Lasting qualities have been built into this digger. Strong but simple—steel beam—high natural temper steel blade.

Fore carriage, or double-gauge wheel which straddles row, insures steady running of the digger. Wheels have an up-and-down adjustment.

DOES HIGH-GRADE WORK

Has a perfectly flat blade and will not cut the potatoes.

Can be furnished with wings and wide grate.



The rod grating is hinged at the front and is given an up-and-down shaking motion by the sprocket wheel at the rear. This shakes the dirt from the tubers and leaves them clean and whole on the top of the ground.

The weed-fender attachment clears away weeds and vines, preparing the way for the blade.

JOHN DEERE SPREADER—THE SPREADER WITH THE BEATER ON THE AXLE

THE SIMPLEST SPREADER MADE.

All working parts of the John Deere Spreader are mounted on the rear axle. No independent studs or shafts to give trouble. No clutches or chains to get out of order. All strains are borne by the main axle, and are not transmitted to the side of the box or the frame of the spreader.

Power to drive beater is taken from the rear axle and operates through simple gears like those used on horse-powers mounted on the rear axle within the beater.

LIGHT DRAFT—FEW PARTS

There are two reasons why the John Deere Spreader is the lightest-draft spreader. One is that the beater runs on roller bearings. Another reason is that the John Deere Spreader has so few parts. It has about 150 less types of castings than the simplest spreader heretofore made. It is

NO CLUTCHES. NO CHAINS.
only natural that the fewer parts a machine has the easier it will operate.

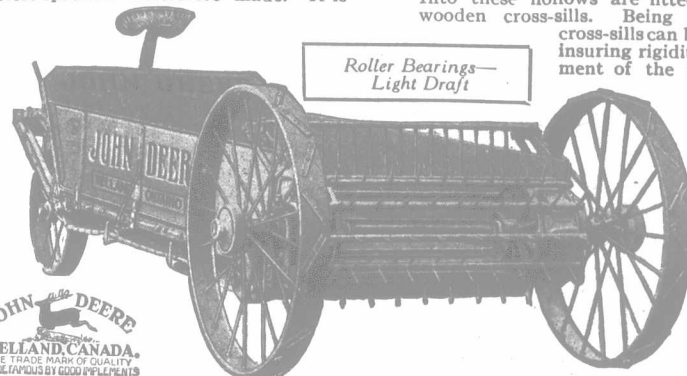
EASY TO LOAD

The John Deere Spreader is low down. It is only necessary to lift each forkful of manure three feet. Thus the hard work of loading is done away with. Besides, the person doing the loading can see inside the spreader at all times. Each forkful is placed exactly where it is needed.

It is thrown in gear by moving a heavy dog back until it engages a stop at the rear of the machine. No clutch used.

STRONG STEEL FRAME

Both the side sills in the John Deere Spreader are of high carbon channel steel, with the channels turned to the inside. Into these hollows are fitted four large wooden cross-sills. Being bolted these cross-sills can be kept tight, insuring rigidity and alignment of the frame at all times.



JOHN DEERE PLOW COMPANY of Welland, Limited
77-79 Jarvis St., TORONTO, ONT.

Shorthorns and Clydesdales

We have seven yearling bulls and seven bull calves from 7 to 12 months. All reds and roans, and of choice breeding. We have some extra good imported mares for sale, also some foals. If interested, write for catalogue of their breeding.

W. G. PETTIT & SONS, Freeman, Ont.
Burlington Junction, G. T. R. Bell 'Phone

100

SHORTHORNS IN OUR HERD

Our 1913 crop of 22 bulls are all sold, we have 20 extra bull calves coming on for the fall trade. For sale—25 heifers and young cows; those old enough are bred to Right Sort (imp.) or Raphael (imp.), both prize winners at Toronto last fall.

100

MITCHELL BROS. Farm ¼ mile from Burlington Junction BURLINGTON, ONT.



SHORTHORNS

Our present offering consists of Nonpareil Lord—87184—; Dam Imp. Dalmeny Nonpareil 6th; 7 young bulls from 6 to 12 months old; 15 cows and heifers of choicest quality and breeding.
A. J. HOWDEN & CO., COLUMBUS, ONTARIO. Myrtle, C.P.R. and G.T.R. Long-distance 'Phone.

SHORTHORNS and CLYDESDALES We have a nice bunch of bull calves that will be year old in September and are offering females of all ages, have a choice lot of heifers bred to Clansman—87809—; One stallion 3-years-old, a big good quality horse and some choice fillies all from imported stock.
A. B. & T. W. Douglas Long-distance Phone Strathroy, Ont.

When writing advts. please mention The Advocate.