

THE
New Massey-Harris Shoe Drill

is a model in appearance as well as in operation. It is simple, light, very easy to handle, easy on the team, and its work is of a character that challenges criticism. This machine can be made to do good work where no other drill will operate. On land where a long stubble has been lightly plowed under, or where there are heavy clumps of sod or grass, the Shoes will cut through or ride over it with the greatest facility. The shape of the Shoes and the Draw-Bars is such as to cause them to pass over any obstruction without the least difficulty. Again, in certain kinds of soil the hoe points of a Hoe Drill will gather the sticky clay and are unable to clean themselves, which results in clogging up and stopping the team. The knife edge of the shoe of a Massey-Harris Shoe Drill will, however, cut through such soil and cause the sides of the hard steel shoe plates to clean perfectly. Thus it is quite possible to sow on wet land with one of our Shoe Drills when a Hoe Drill could not be made to work. It is possible, also, with the new Massey-Harris Shoe Drill to sow seed at a more uniform depth than with any other machine yet invented. Not only may the seed be sown deeper than with any other drill, but it is also possible to sow nearer the surface, and, at the same time, to cover it perfectly—a great advantage when putting in certain kinds of seed. The seed grain being sown in the track or cut made by the shoe, is planted in very even, straight rows; hence the rows can be closer together than is otherwise admissible. The hoes on the Massey-Harris Shoe Drill are six inches apart. Where the soil is well cultivated, the earth falling back in the track of the shoes will automatically cover the seed, but as an additional provision a length of chain is attached to each runner, which covers the seed perfectly, no matter what the nature of the soil. Experience has taught, too, that the cut made by the shoe presses or packs the earth each side of the cut, so that when the seed is covered in, high winds will not uncover it, as is the case when sown by other methods,—a difficulty which has hitherto been hard to overcome on prairie lands.

There no longer exists any doubt but that in many sections this class of drill is the most profitable to use, and we therefore invite your careful consideration of the illustrations and brief description given herein



Solid Steel Frame.—A most important feature in the construction of a grain drill is its frame work, which is subject more than any other part of the machine to severe and sudden strain. We have, after carefully experimenting and thoroughly testing the relative merits of

many styles of frames, adopted for the Massey-Harris Shoe Drill a frame made from a single and continuous bar of high grade angle steel, which possesses the requisite strength and elasticity necessary to secure a proper foundation upon which to support the seed hopper, attach the draw-bars, shoes, lifting levers, etc. This frame is exactly the same as that used on the Massey-Harris Cultivators and Sectional Seeders. There are no joints in the frame, and there is no tendency whatever to twist. It will successfully resist the most sudden shock. No doubt this solid steel frame is the strongest, lightest and most attractive in appearance yet produced.

The Shoes or Runners.—Perhaps no greater improvement has been made than in the shoes or runners, and in the present general arrangement and perfect adaptation to the varying conditions of the soil. The machine being absolutely under the control of the operator, any desired depth of sowing may be obtained.

Controlling Lever.—This is most conveniently located, and by it a very light

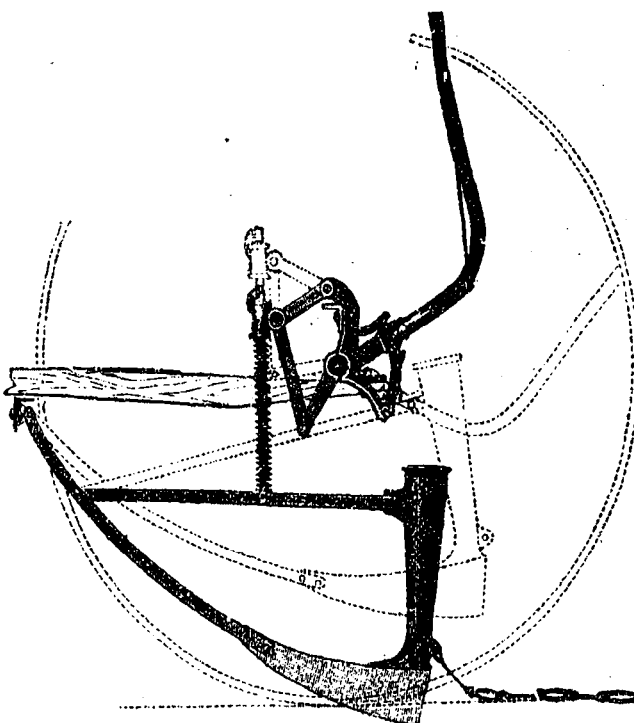
pressure or an exceedingly strong one may be applied. This same lever, when thrown in the opposite direction, will lift the runners up from the ground, ready for transportation.

The Pressure.—This can, as stated above, be made as light or heavy as desired; does not prevent the shoes or runners from following the unevenness of the ground surface and readily passing over obstructions which may be encountered. Each runner acts independently. By our method there is greater flexibility than in any other machine yet invented.

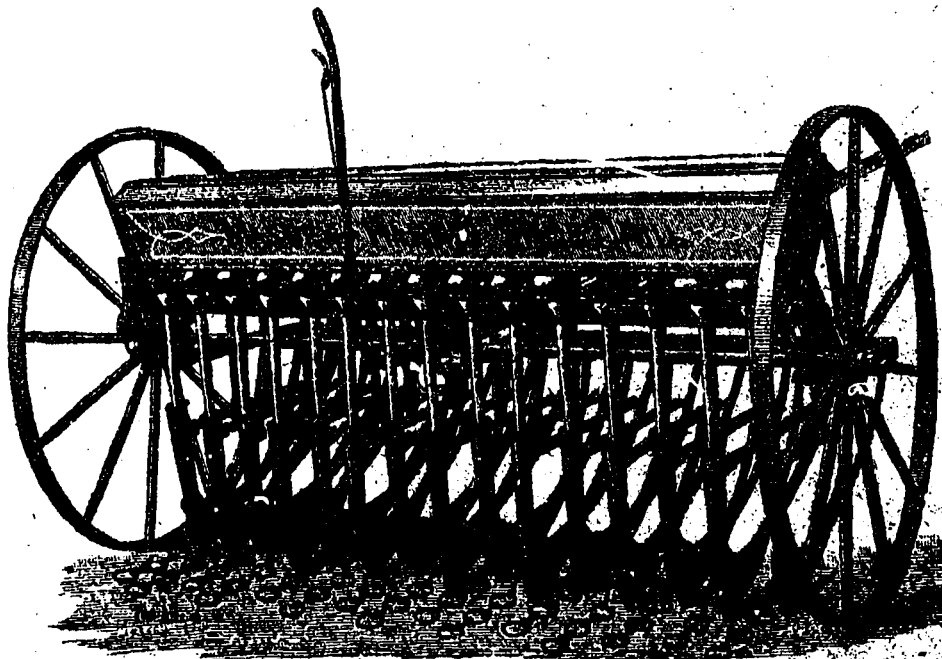
The Feed Runs or Distributors are the same as used on the Massey-Harris Sectional Seeders.

Rubber Conductors.—These are extra long and will never stop up when working on soft land, as the ends are not cut off square but on the slant, which results in other advantages also. These special rubber tubes are used on all the Seeders and Drills we make.

Whiffletrees complete are sent out with each Shoe Drill.



This shows the action of the Lever. Shaded portions of cut show the pressure applied, and the dotted lines indicate the position of the lever and parts when shoes are lifted for transportation



MANUFACTURED BY

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