D. E. McSherry,

Drill Tooth.

No. 111,132. Patented Jan. 24. 1871

Fig. 1.

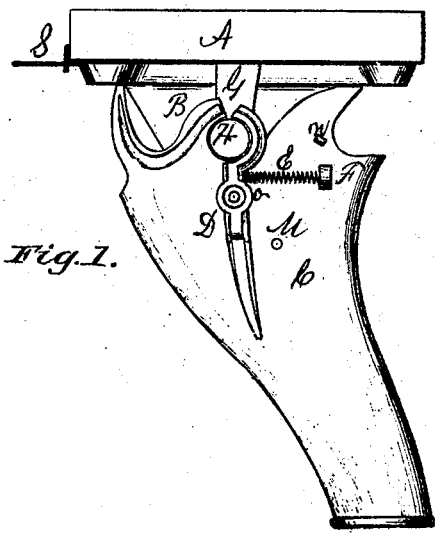
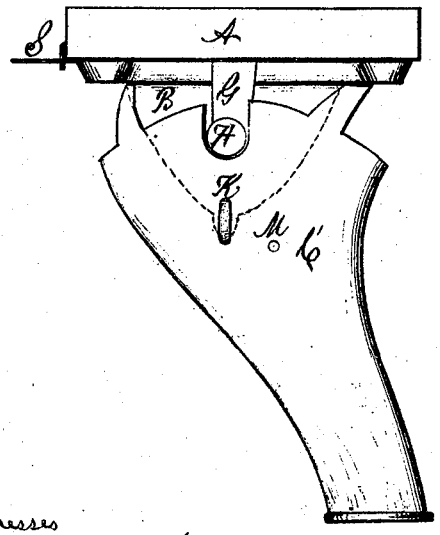


Fig. 2.



Witnesses
Edward Brenemand
Barton Pickering

Inventor.
Daniel E. McSherry

United States Patent Office.

DANIEL E. McSHERRY, OF DAYTON, OHIO.

Letters Patent No. 111,132, dated January 24, 1871.

IMPROVEMENT IN GRAIN-DRILLS.

The Schedule referred to in these Letters Patent and making part of the same.

I, DANIEL E. McSHERRY, of Dayton, in the county of Montgomery and State of Ohio, have invented certain Improvements in Grain-Drills, of which the following is a specification.

My invention relates to the manner of attaching the receiver to the concave or distributing-cup, and to the shaft of the distributer.

Figures 1 and 2 are a side elevation, showing the parts involved in my invention.

Like letters occurring in the different figures refer to like parts.

A represents the bottom of the seed-box, to which is attached the concave B, which incloses the distributing-wheel, which is not shown, as it is not involved in this invention.

S is a slide by which the flow of seed is regulated.

G is a part fitted within the concave, and forms the upper part of the bearing for the shaft H.

The receiver C is a hollow vessel composed of two halves interlocked and secured together by the rivet M. The upper part has four projections, two on either side, and semicircular indentations, which, with the catches D, one on either side, embrace the shaft. The catch is pivoted at *o*, and is held against the shaft by the spiral spring E. The spring is held in position by a projection from the catch and an orifice within the lug F.

n is a projection to stop the movement of catch.

The projections with the parts embracing the shaft hold the receiver in a rigid position.

To the lower end is attached the flexible tube which conveys the grain from the receiver to the "hoes."

The usual arrangement of the hoes is alternately forward and aft, and in the use of my invention the hoes, being brought on a line, I reverse the position of the receiver by detaching it and turning the rear side to the front. This secures a proper position to the flexible tube in its relation to the hoes.

A modified form of my invention is shown at fig. 2, in which C′ is the receiver, constructed and operated similarly to the part already described, the difference being that an indentation of the upper part embraces the shaft; and the receiver is suspended by a wire, K, or its equivalent, which passes through the sides of the receiver and ears of the concave, the position of the concave being shown by dotted lines. The projections on the upper part may be dispensed with. This form is also reversible.

What I claim as my invention, and desire to secure by Letters Patent, is—

The receiver C, having a catch, D, and spring, E, in relation to the shaft H and concave B, substantially as described.

DANIEL E. McSHERRY.

Witnesses:
EDWARD BRENEMAN,
BARTON PICKERING.