

(Model.)

J. C. DUPEE.

Coupling Stop and Wire for Check Row Planters.

No. 238,370.

Patented March 1, 1881.

Fig. 1.

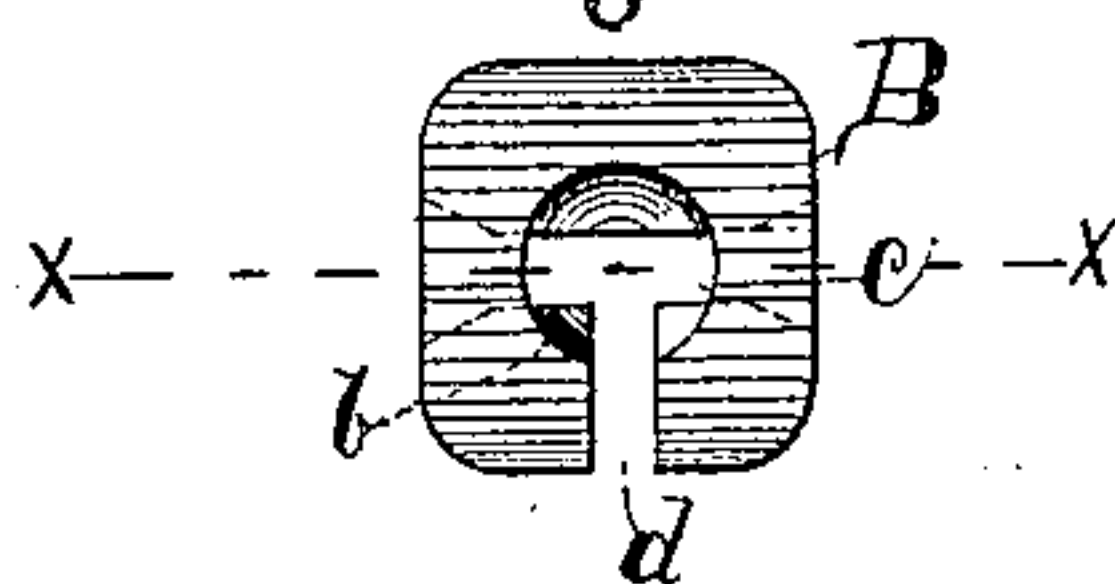


Fig. 2.

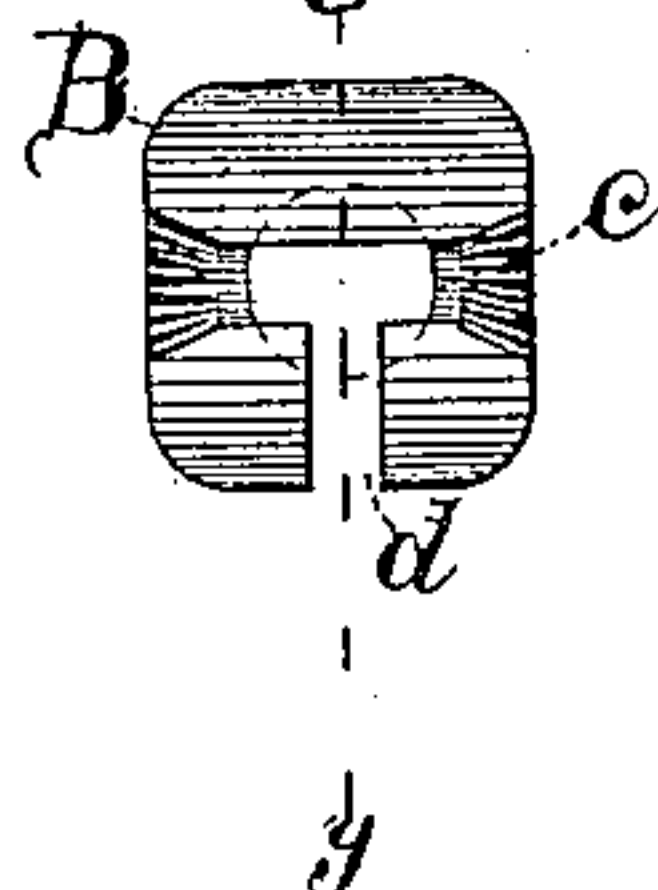


Fig. 3.



Fig. 4.

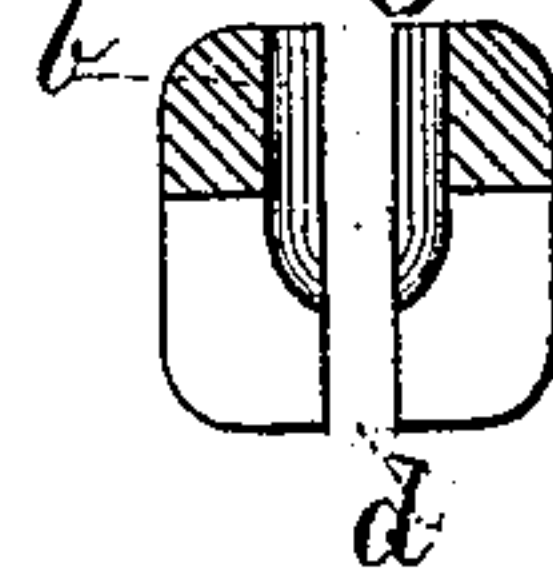


Fig. 6.



Fig. 5.

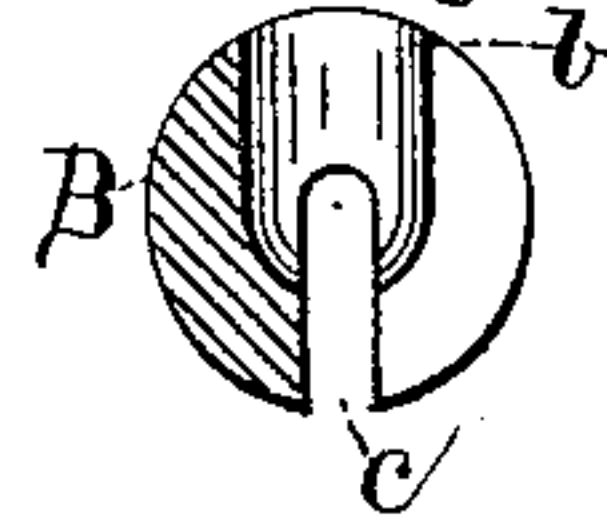
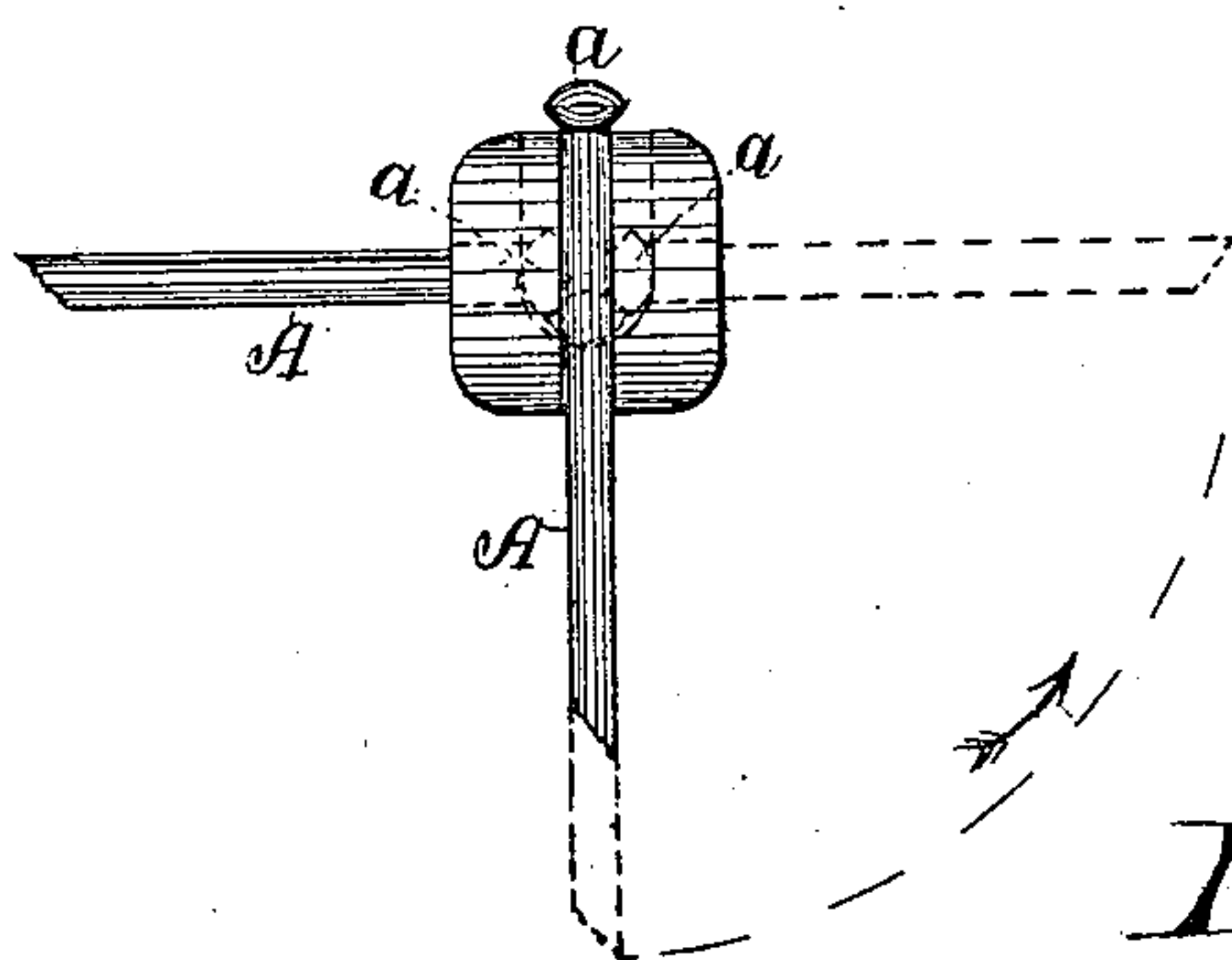


Fig. 7.



Witnesses:

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JOHN C. DUPEE, OF DECATUR, ILLINOIS.

COUPLING STOP AND WIRE FOR CHECK-ROW PLANTERS.

SPECIFICATION forming part of Letters Patent No. 238,370, dated March 1, 1881.

Application filed September 3, 1880. (Model.)

To all whom it may concern:

Be it known that I, JOHN C. DUPEE, a citizen of the United States, residing at Decatur, in the county of Macon and State of Illinois, have invented a new and useful Improvement in Coupling-Stop Wire for Check-Row Planters, of which the following is a specification.

My invention relates to an improvement in coupling stops and wire for check-row planters; and it consists, first, in the construction of a coupling-stop out of a single piece of metal, provided with a hole of suitable diameter to receive both heads of the wire therein, and slots to allow the placing or removal of either the stop or the solid-headed wire without changing the form of either; and, second, in the construction of a solid head out of and on each end of the sectional wire, to allow the placing, removal, and swiveling of the head in the stop without changing the form of the head. I attain these objects by the stop and wire illustrated in the accompanying drawings, in which—

Figure 1 is a longitudinal view of stop. Fig. 2 is a reverse view of Fig. 1. Fig. 3 is an end view of same. Fig. 4 is a longitudinal section on the dotted lines *xx*, Fig. 1. Fig. 5 is a transverse section on the dotted lines *yy*, Fig. 2. Fig. 6 is a plan showing end of wire, and Fig. 7 is a plan showing method of placing the wire in the stop.

A is the wire, provided with the solid head *a* on each end, sufficient to prevent it from slipping through the slots in the stop B, as hereinafter described, and yet will swivel or turn in the stop to prevent twisting. These wires are made of a length that it is desired to plant the rows of corn apart. The stop is made of metal sufficient in strength to operate the finger arms or levers used in check-rowers for corn-planters without bending or breaking the stop. The outside configuration may be of a longitudinal spheroid form, as shown in the drawings, or round, depending on the shape of the finger arms or levers it is desired to operate. The body of the stop on one side is provided with a circular hole, *b*, reaching nearly to the opposite side of the stop, as shown in sectional views, Figs. 4 and 5, and large enough to receive the headed wires and allow them to swivel therein.

c is a longitudinal slot from end to end of the stop, and deep enough so that when the wire is placed therein it shall be in the center

of the end of the stop. (See Figs. 3, 4, and 5.) The ends of this slot are rounded, to allow the wire to play therein without bending. A transverse slot, *d*, passes into the hole *b* and slot *c*, as shown in Fig. 5.

The wire is placed in the stop as shown in Fig. 7, viz: laying the wire into the transverse slot *d* until it reaches the bottom of the same, the head can be pulled down into the hole *b*; then passing the wire up into the longitudinal slot *c*, as shown by the dotted lines, until it reaches the bottom of the slot. This leaves the wire in a line with and in the center of the end of the stop, the interior edges of the slot *c* being such that it will not allow the head on the wire to pass through. The hole *b* being larger than the head on the wire allows it to turn or swivel therein.

To remove the wire from the stop, turn the wire outward in the longitudinal slot until it is at right angles in the same and pass the head out of the circular hole, when the wire can be removed out through the transverse slot.

It is obvious that other forms of heads may be used on the wire than the oval head shown in the drawings, that will permit the placing, removal, and swiveling of the head in the stop, and that the outside configuration of the stop may be spherical, instead of an elongated spherical form.

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

1. A stop for sectional check-row wires, constructed of one piece of metal and provided with a hole adapted to receive both heads of the wires, allowing them to swivel therein, and slots to allow the placing or removal of the solid-headed wires without changing the form of either the stop or wires, substantially as shown and described.

2. The stop B, provided with the circular hole *b*, longitudinal slot *c*, and transverse slot *d*, substantially as and for the purpose set forth.

3. The sectional wire A, provided with the solid heads *a*, formed of and on the ends of the wire, substantially as shown and described.

JOHN C. DUPEE.

Witnesses:

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JOHN S. BIXBY.