

(No Model.)

2 Sheets—Sheet 1.

L. EBERHART & I. D. STEVENS.

CHECK ROWER ATTACHING IRON.

No. 329,725.

Patented Nov. 3, 1885.

Fig. 1.

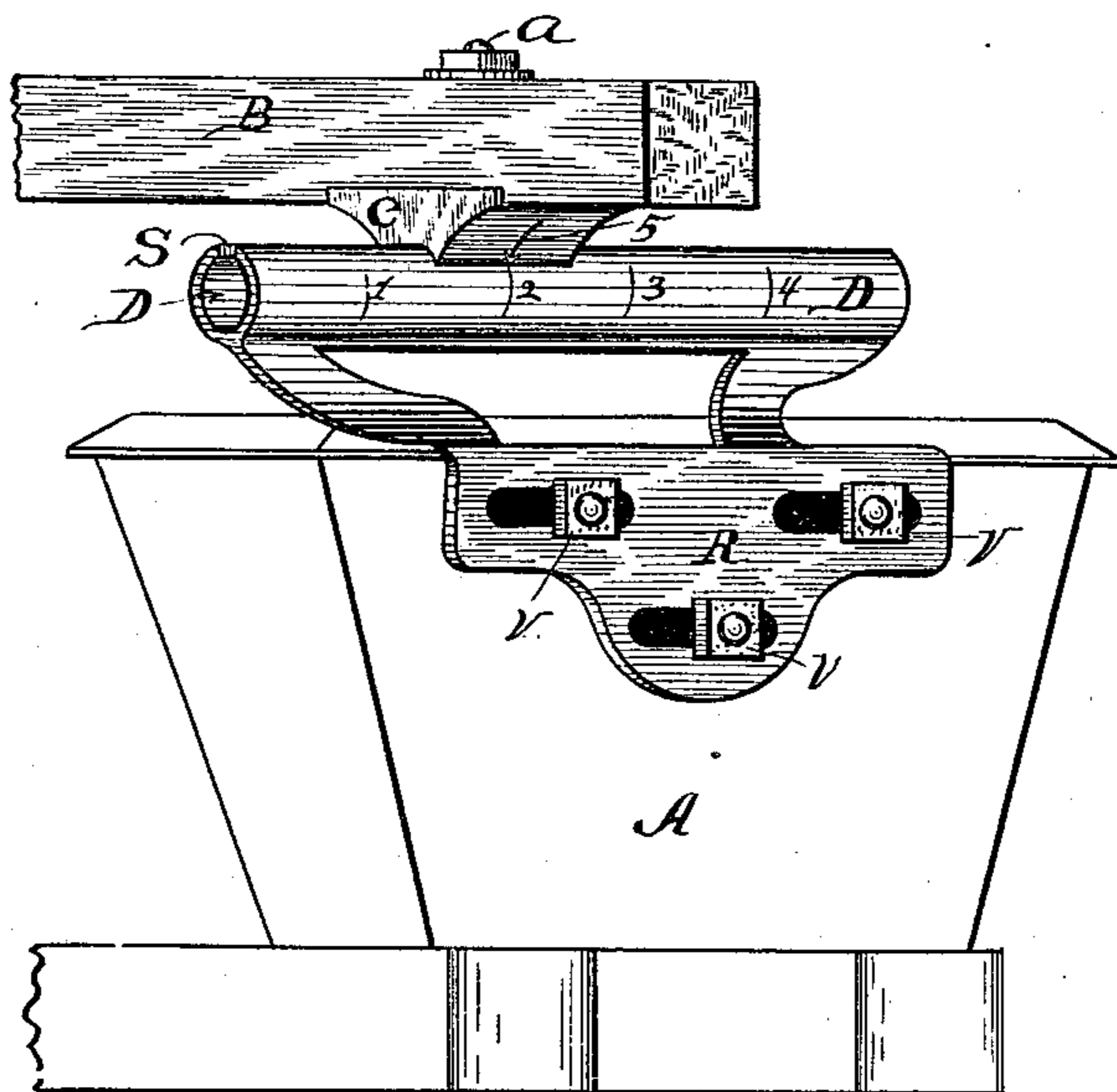


Fig. 2.

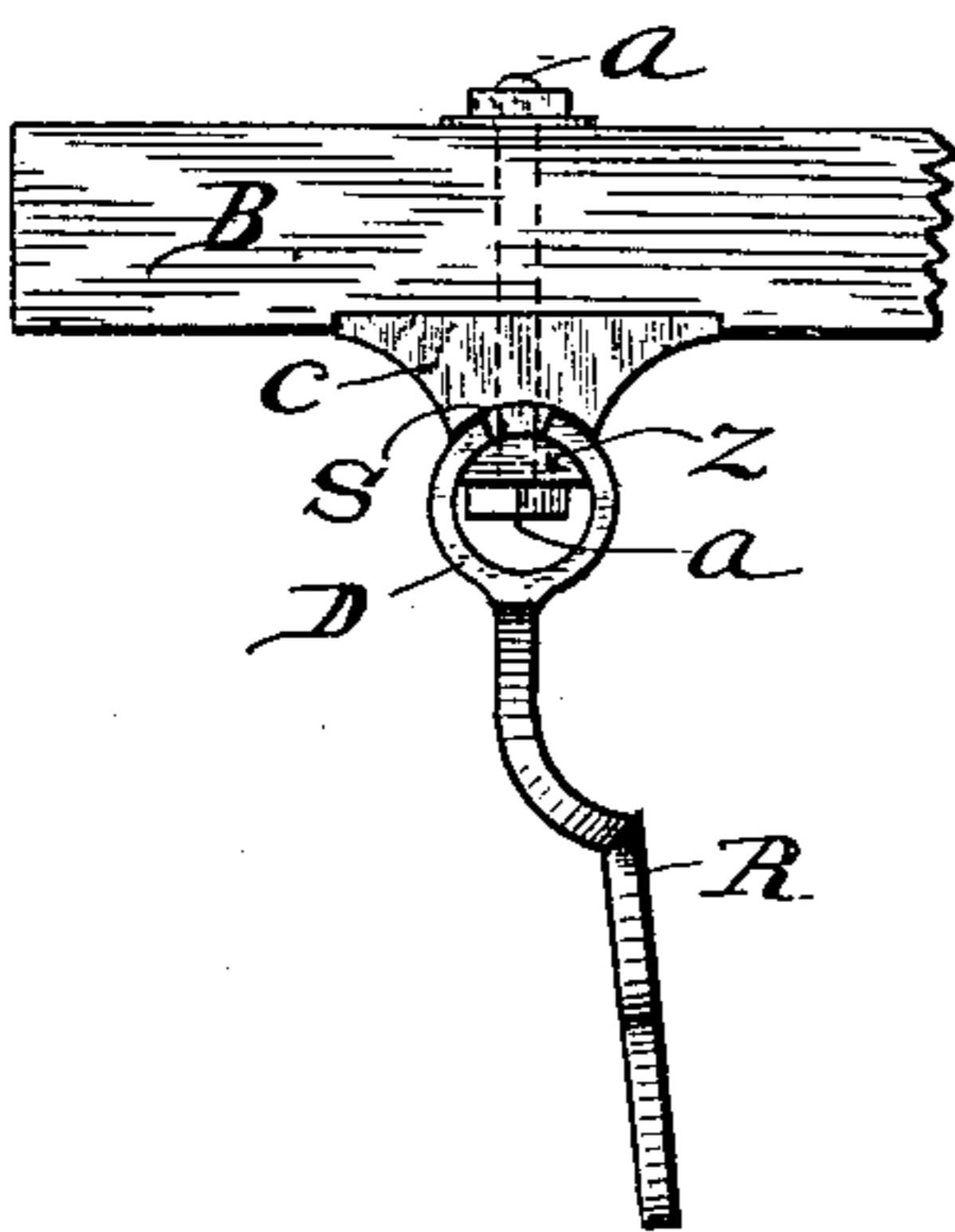


Fig. 3.

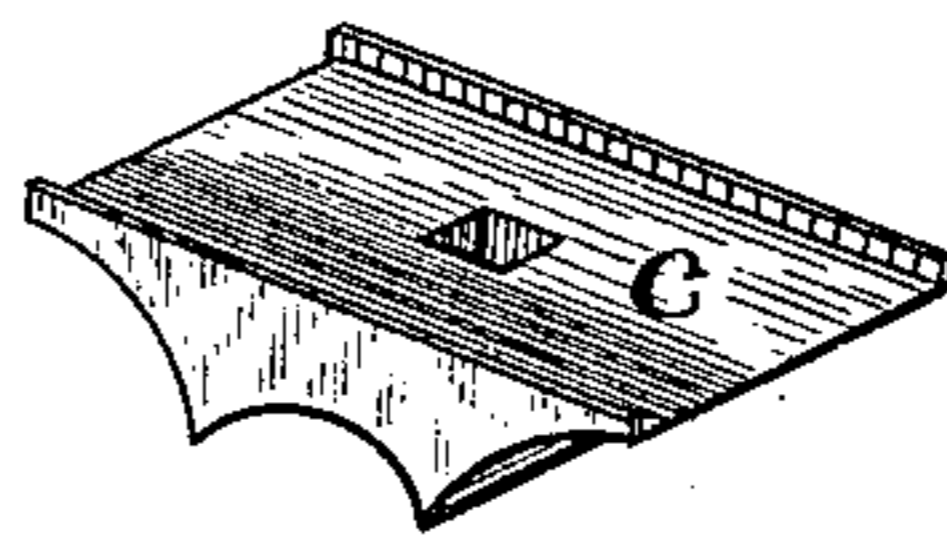
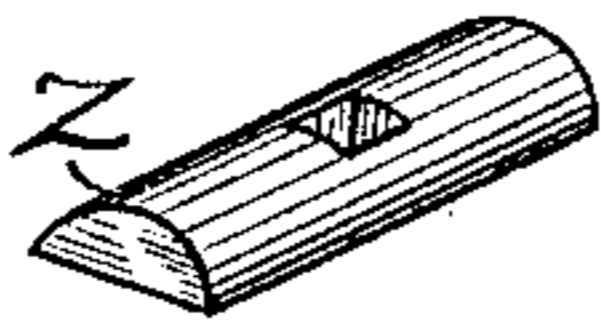


Fig. 4.



Witnesses.

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(No Model.)

2 Sheets—Sheet 2.

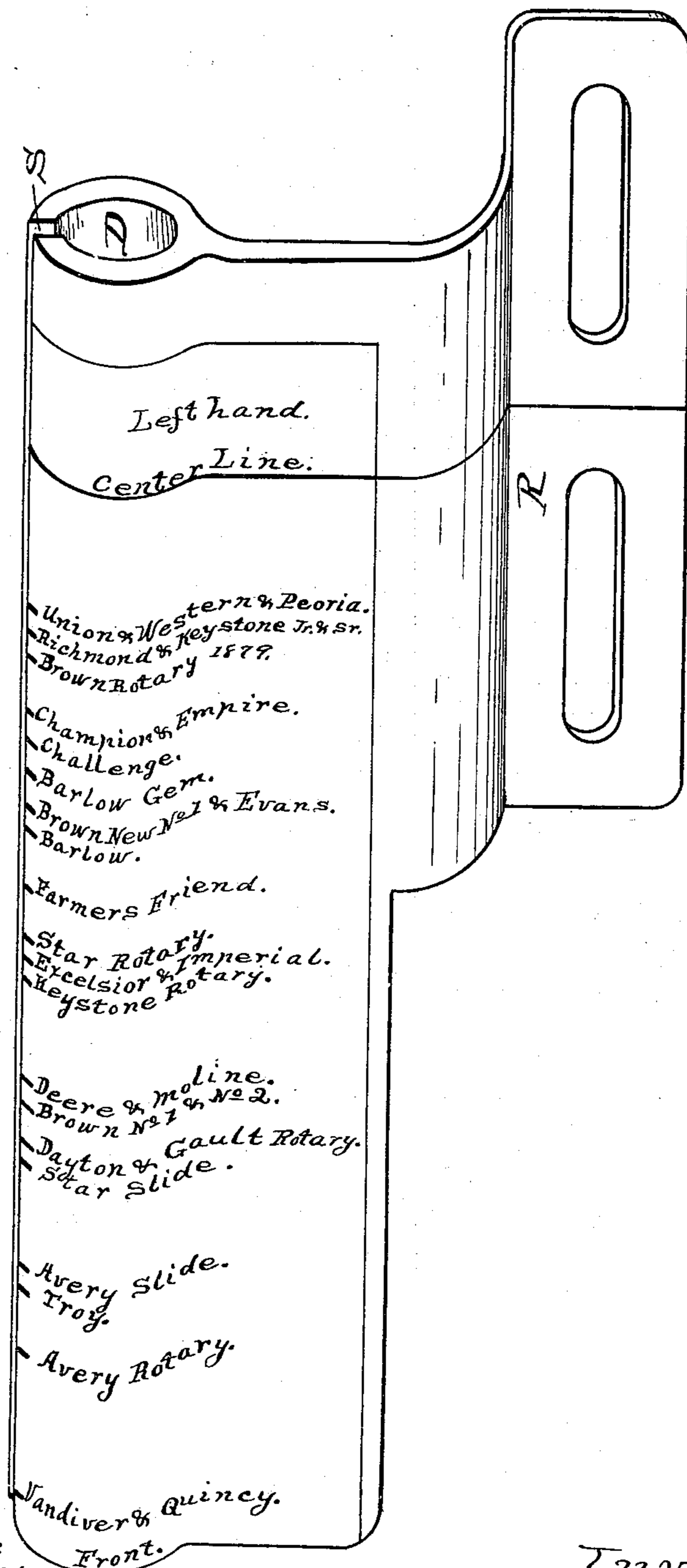
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Fig. 5.



Witnesses.

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John J. Hutchins.

Inventors,
Lloyd Eberhart,
Irving D. Stevens.

UNITED STATES PATENT OFFICE.

LLOYD EBERHART AND IRVING D. STEVENS, OF JOLIET, ILLINOIS.

CHECK-ROWER ATTACHING-IRON.

SPECIFICATION forming part of Letters Patent No. 329,725, dated November 3, 1885.

Application filed September 11, 1884. Serial No. 142,799. (No model.)

To all whom it may concern:

Be it known that we, LLOYD EBERHART and IRVING D. STEVENS, citizens of the United States of America, residing at Joliet, in the county of Will and State of Illinois, have invented certain new and useful Improvements in Check-Rower Attaching-Irons, of which the following is a specification, reference being had therein to the accompanying drawings.

Figure 1 is a perspective view; Fig. 2, a side view; Fig. 3, a perspective view of the sliding seat upon which the check-rower beam rests; and Fig. 4, a perspective view of the sliding plate which holds the bolt *a* within the barrel D. Fig. 5 is a perspective view of the entire attaching-iron having the names of different planters marked thereon at the indicating-scale.

This invention relates to certain improvements in "attachment irons" for attaching check-rowers to the various kinds of corn and seed planters; and their construction is such that it is possible to attach them to the seed-boxes of any kind of planter, where the sides of the seed-boxes are at different angles, and still retain a perfect and horizontal bearing for the check-rower to rest upon; but the principal feature in our invention being an indicating-scale to indicate to the operator at what place along on the attachment to fasten the check-rower beam for any given kind or make of planter, so that the seed may be dropped in perfect checks without further instruction than a mere inspection of the scale.

Referring to the drawings, A represents a seed-box of a planter, to the side of which is attached the plate R by means of bolts *v v v* passing through horizontal slots in said plate for adjustment on the seed-box. This plate R has a pair of curved integral arms, which extend above and to one side of the seed-box. Integral with the upper extending ends of these arms is a barrel, D, arranged in a horizontal position, and having a flared slot, S, through its upper side, extending the entire length of the barrel, for a bolt, *a*, to pass through, and in which the said bolt may be moved in either direction. Upon the barrel D is placed a sliding seat, *c*, (shown more clearly in detail, Fig. 3,) upon which the beam

B rests. Within the barrel D is placed a sliding plate, *z*, (shown more clearly in detail, Fig. 4,) after having been placed on bolt *a*, in a manner that the said bolt will project up through slot S, and through sliding seat *c* and beam B, and secured by a nut on the upper part of beam B. By means of the hole through the sliding plate *z* being square, and the bolt *a* at that place also being square, said bolt is prevented from turning while its nut is being turned down to tighten the parts. On one side of the sliding seat *c* is an indicating mark or pointer, (shown at 5, Fig. 1,) and along on one side of the barrel D are marks or pointers. (Shown at 1, 2, 3, 4, Fig. 1.) In connection with each one of the marks or pointers 1, 2, 3, and 4 may be placed the name of the planter it is adapted for, as shown in Fig. 5, and an operator may, in using the attachment with the various kinds of planters, by inspecting the marked scale, be able to set the sliding seat *c*, bearing the check-rower beam, so the pointer of said seat will point directly at the proper marked or named scale of any particular kind of planter he may be using, so the seed may be dropped in perfect checks without further adjustment. For instance, if the attachment were to be applied to a "Brown" planter, then the seat *c* would be moved along until its scale-line or indicating-pointer would be opposite the scale-line on the barrel named or marked "Brown." The slot in the barrel D is flared for the purpose of permitting the sliding plate *z* and bolt *a* to hold the seat *c* and beam B in a perfect horizontal position, as the barrel may be partially rotated in attaching the plate R to seed-boxes of different angles. It becomes necessary to have these attaching-irons made so as to adjust the check-rower, as stated, for the reason that in different makes of planters the distance varies between the seed-boxes and the heel of the shoe, where the seed enters the ground, and it thus becomes absolutely necessary to move the check-rower either forward or backward, as may be required for the machine to which it is attached.

It is intended to always attach the plate R so its center will be on a line with the center of the seed-box of the planter to which it attaches.

Having thus described our invention, what we claim as new and useful, and desire to secure by Letters Patent, is as follows, to wit:

1. The attachment for attaching check-row-
5 ers to seed-planters described, consisting of the plate R, having an integral slotted and scaled barrel, D, extending from its upper end, sliding seat c, having an indicating point or mark thereon, sliding plate z, and bolt a, combined
10 and arranged substantially as and for the purpose set forth.

2. A check-rower attaching-iron having the names of several planters, or their equivalent, marked thereon to indicate the position of the check-rower on different planters, substantially as shown and described. 15

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