

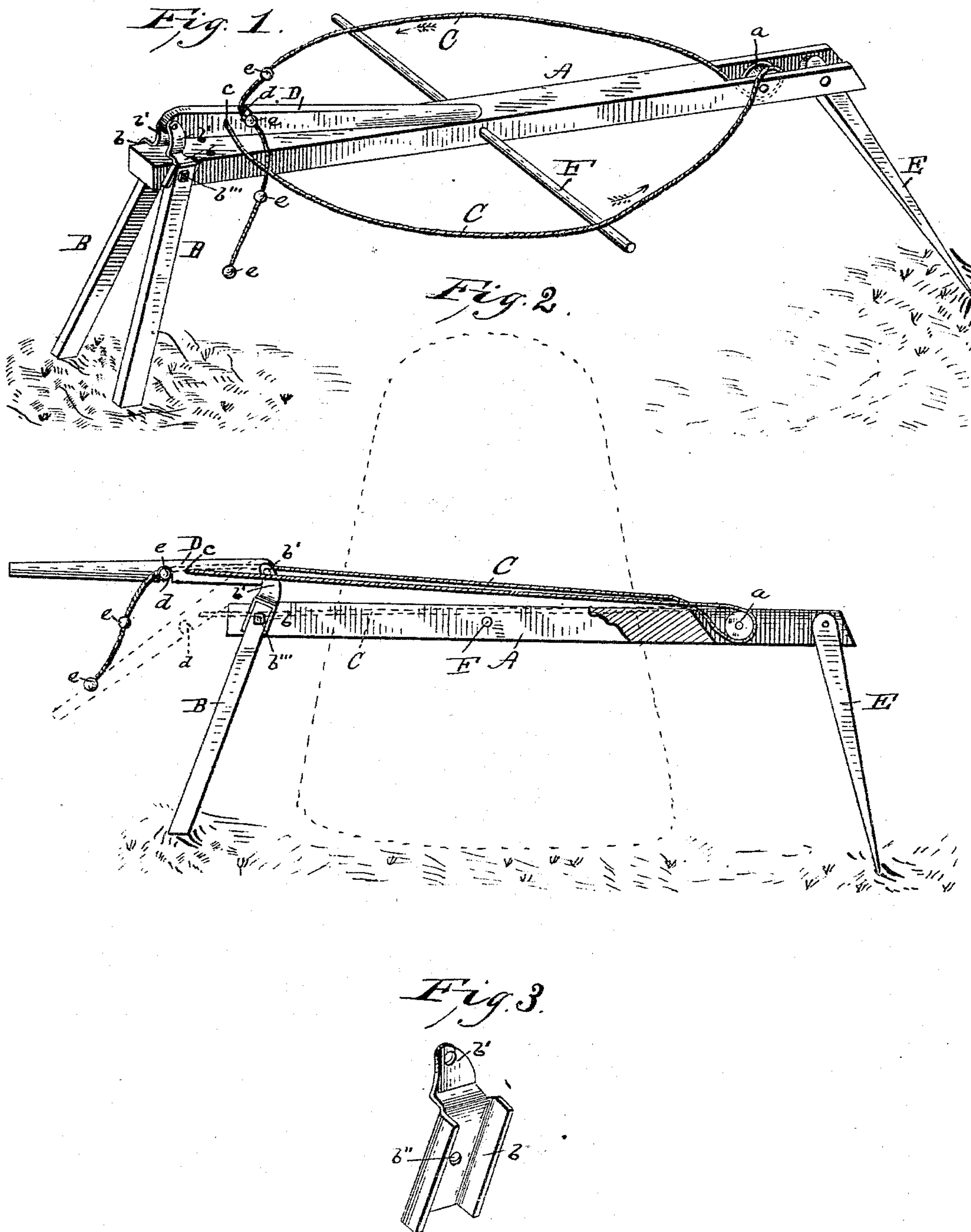
(No Model.)

A. REICHERT.

MACHINE FOR SHOCKING AND BINDING CORN.

No. 412,220.

Patented Oct. 1. 1889.



WITNESSES
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UNITED STATES PATENT OFFICE.

ADAM REICHERT, OF TIFFIN, OHIO, ASSIGNOR OF ONE-HALF TO JOHN COX,
OF SAME PLACE.

MACHINE FOR SHOCKING AND BINDING CORN.

SPECIFICATION forming part of Letters Patent No. 412,220, dated October 1, 1889.

Application filed December 20, 1888. Serial No. 294,207. (No model.)

To all whom it may concern:

Be it known that I, ADAM REICHERT, a citizen of the United States, residing at Tiffin, in the county of Seneca and State of Ohio, have
5 invented certain new and useful Improvements in Corn-Horses for Shockers and Binders, of which the following is a specification, reference being had therein to the accompanying drawings, in which—

10 Figure 1 represents a perspective view of the machine complete; Fig. 2, a side elevation of the same, and Fig. 3 a detail perspective view of one of the combined leg-and-lever supports.

15 The object of my invention is to furnish an extremely light machine of that character used to sustain cornstalks while the same are being shocked until a sufficient amount is accumulated to bind, and then by the opera-
20 tions of the machine, as hereinafter described, the stalks of the shock may be drawn tight together and held permanently in position until the tie-band is securely placed around them.

25 By means of this invention the shock is more firmly put together and with greater ease, and is never liable to come apart and blow over, as is common with the old way of shocking.

30 To enable others skilled in the art to manufacture my machine, I will describe it as follows:

I take a suitable piece of timber to form a beam A, provided with a vertical slot in one
35 end, this slot having journaled in it a pulley *a*. Two legs B B are fastened to this piece A near the other end by means of clips or sockets *b*, the upper ends of these legs being beveled to throw the legs apart at the bottom
40 to make the foundation broad enough to sustain the machine. The metallic clips *b b* are formed with upward extensions *b' b'*, which pass above the piece A and form a bearing for the fulcrum or pivot of the lever D, as
45 shown. The upper ends of the rigid legs B B are secured in the sockets and the sockets secured to the beam A by means of horizontal bolts *b'''*, which pass through the legs, through apertures *b''* in the sockets, and into the beam.
50 A leg E is pivoted in the vertical slot in the

end of the main piece A, and is of the same size as the other legs, but has a sharp point at the lower end to enable it to be pressed into the ground gently to assist in sustaining the machine in an upright position while the
55 shock of corn is being formed. The lever D is pivoted, as before stated, between the ears *b' b'* of the clips *b b*, and is provided with a hole *c* through it, in which hole one end of the rope C is fastened, and in its upper side with
60 a notch *d* to place the free portion or end of the rope in temporarily, while drawing the corn snugly. While the corn is being placed in position the lever is thrown forward, giving the utmost slack to the rope. The rope
65 C is provided with a suitable number of knots or stops *e* near its free end, and is passed forward under the pulley *a* and around the shock of corn, when it is drawn taut and the free end dropped in the said notch *d* in lever D.
70 By pulling the lever backward, as shown in Fig. 2, the rope is drawn tight around the shock from both directions, and when the lever is pressed farther back or thrown down, as in dotted lines in Fig. 2, the force on the
75 rope will hold it in position while the shock is being bound, as is evident. By thus journaling a pulley upon the forward end of the beam and passing the compressing-rope
80 around the same, I avoid pulling or tipping the shock over out of its vertical position during the compressing operation, the portions of the compressing-rope upon opposite sides of beam being drawn in toward the beam
85 steadily and evenly. The shock is thereby firmly compressed in the precise position in which it was originally formed, tilting neither one way nor the other.

By means of the stops *e* any desired tension may be given to the tightening-rope or
90 any sized shock compressed, as is evident.

In placing the corn in position I pass through a hole in the piece A a pin F, about three feet long. This forms the corners, so
95 that the corn will be held in substantially an upright position until the shock is finished. When the shock is bound and finished, this pin F is withdrawn and the lever is thrown forward, relieving the cord or rope. The free
100 or knotted end of the cord is then detached

from the slot in the lever and the cord released from around the shock, and the machine raised at the end where the legs B B are attached and drawn backward out of the shock, the leg E moving forward in a parallel line with the main piece A, so that it presents no obstruction in removing the machine from the shock.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a corn-shocker, the combination of a beam, a pulley at one end thereof, a lever pivoted at the other end, and a rope connected at one end to the lever, passed around the pulley, and having its other end adapted to be detachably connected to the lever, substantially as described.

2. In a corn-shocker, the combination of a

beam, a pulley, and a pivoted leg at one and the same end, fixed legs and a pivoted lever at the other end, and a rope connected at one end to the lever, passed around the pulley, and having its other end provided with knots, whereby it is adapted to be detachably connected to the lever, substantially as described.

3. In a corn-shocker, the combination of a beam having a slot in one end, a pulley in said slot and a lever at the other end thereof, and a compressive rope passed over the pulley and attached at its ends to the lever, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

ADAM REICHERT.

Witnesses:

A. C. BARBOUR,
SADIE HOOK.