

(No Model.)

2 Sheets—Sheet 1.

H. McPHERSON.  
CORN SHOCK LOADER.

No. 528,734.

Patented Nov. 6, 1894.

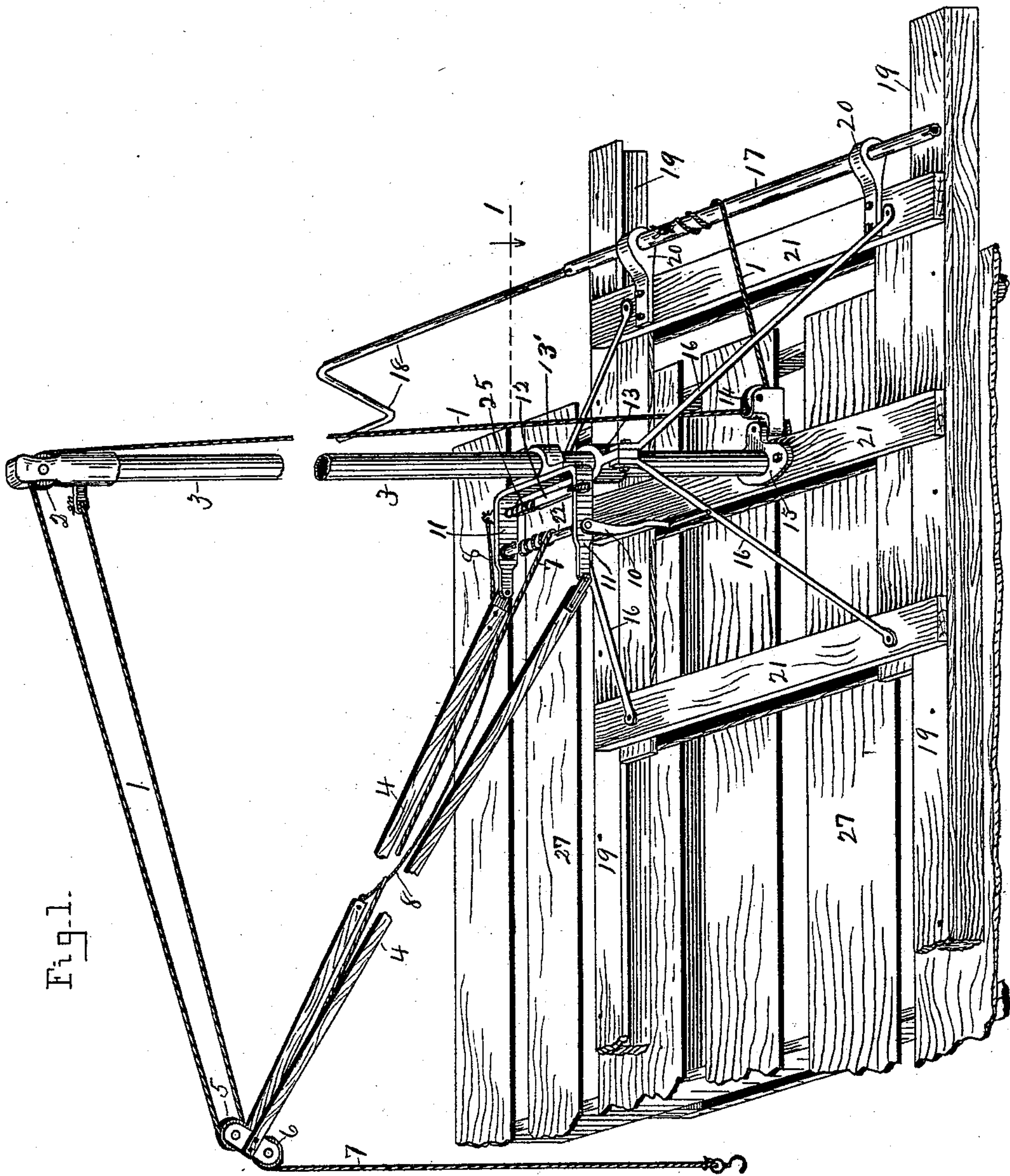


Fig. 1.

Witnesses:

*Ray Hutchins.*

*Herbert Corwell.*

Inventor:

*Horace McPherson*

By *Thos H. Hutchins* Attorney.

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Fig. 2.

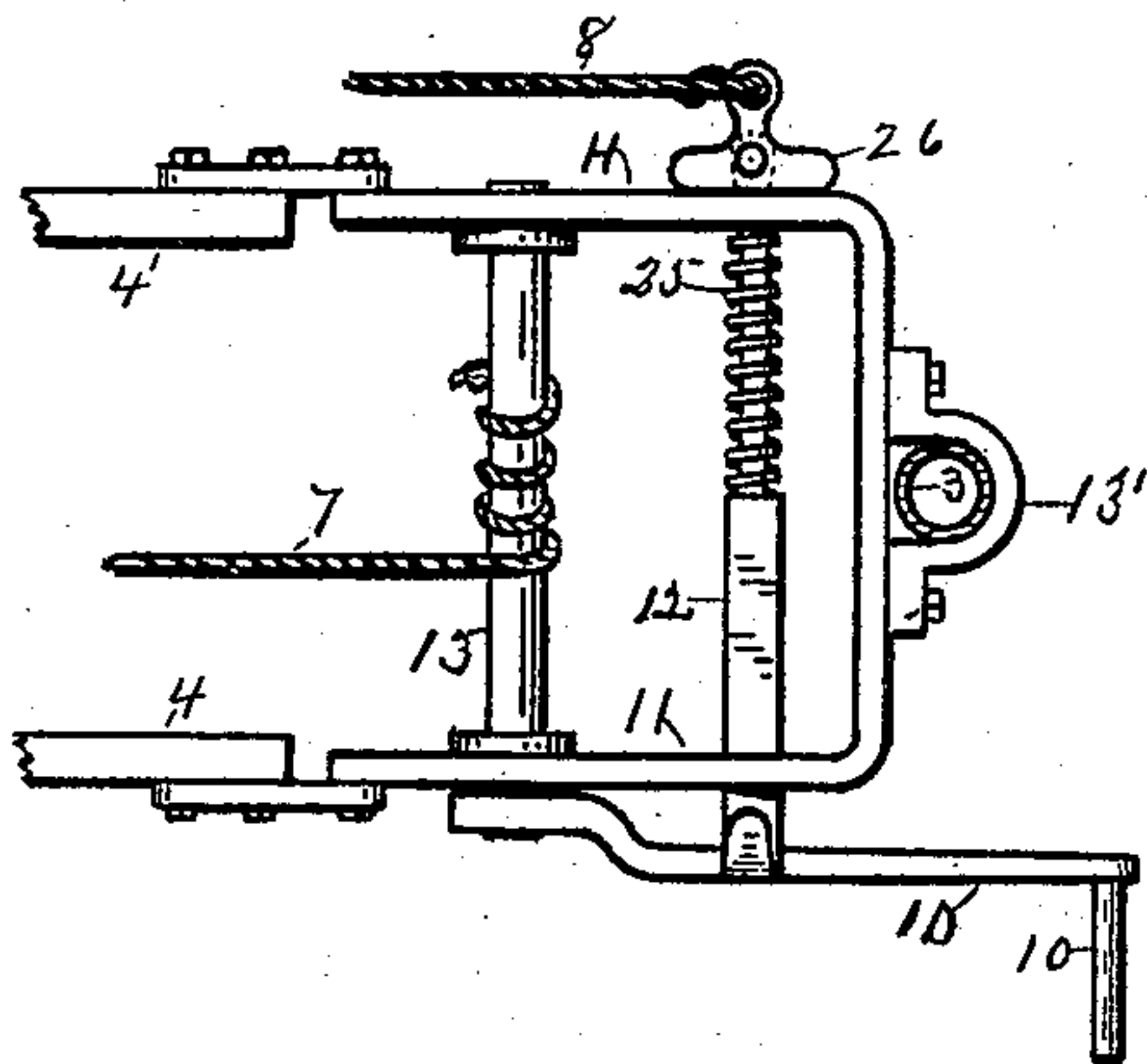
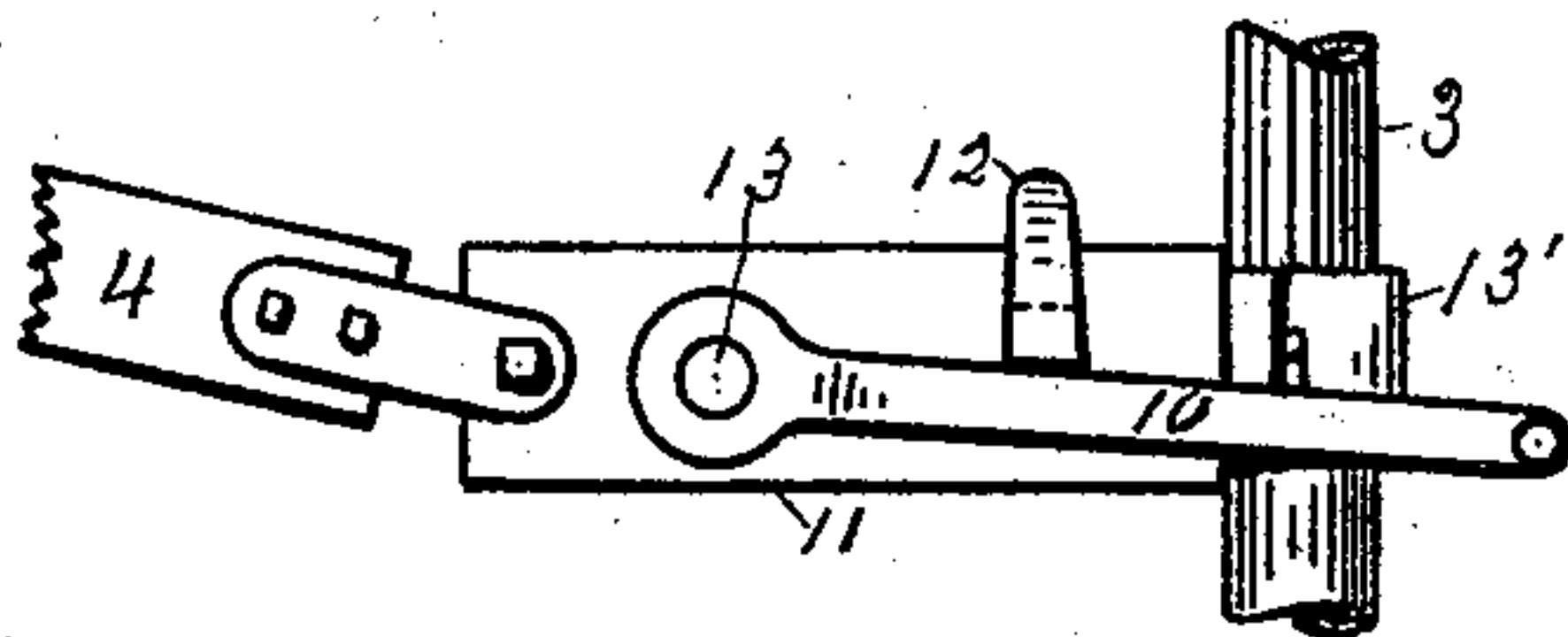


Fig. 3.



Witnesses:

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Inventor:

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By Thos. H. Hutchins Attorney.



# UNITED STATES PATENT OFFICE.

HORACE MCPHERSON, OF CRETE, ILLINOIS.

## CORN-SHOCK LOADER.

SPECIFICATION forming part of Letters Patent No. 528,734, dated November 6, 1894.

Application filed January 22, 1894. Serial No. 497,688. (No model.)

*To all whom it may concern:*

Be it known that I, HORACE MCPHERSON, a citizen of the United States of America, residing at Crete, in the county of Will and State of Illinois, have invented certain new and useful Improvements in Corn-Shock Loaders, of which the following is a specification, reference being had therein to the accompanying drawings, and the figures of reference thereon, forming a part of this specification, in which—

Figure 1 is a perspective view of the corn shock loader applied to a hay rack, and as it would appear ready for use. Fig. 2 is a horizontal section of the corn shock loader detached from the hay rack, taken on line 1 of Fig. 1 looking down, and Fig. 3 is a side view of Fig. 2 looking at it from the bottom of the figure.

This invention relates to certain improvements in corn shock loaders, which improvements are fully set forth and explained in the following specification and claims.

Referring to the drawings, 3 is a mast standing in a step box 15 secured on a sliding frame or base 21, and maintained in a perpendicular position by means of the braces 16 and collar 13 in which said mast turns. Said sliding base rests and slides on a pair of rails 19 secured to the upper side of an ordinary hay rack in such manner that said base with the mast and its appendages may be moved along on the hay rack from one end to the other to enable the operator to load corn shocks anywhere along on the rack.

11 is a boom frame rigidly secured to the mast 3 by means of a box 13'. 4 is a boom pivotally connected at its inner end to said frame, and provided at its outer end with the pulleys 5, and 6. Said frame 11 is provided with a windlass 22 having a crank 10, upon which windlass is wound the inner end of a rope 7 which passes from said windlass over pulley 6, and is provided with a hook on its outer end for adapting said rope to be passed and hooked around a corn shock.

17 is a windlass attached to bed frame or base 21 by means of boxes 20, and is provided with a crank 18 adapted to be attached to said windlass at either end so that said windlass can be operated at either side of the

rack. 1 is a rope having its inner end attached to said windlass 17, and passes from said windlass under the swivel pulley 14 located at the foot of the mast. From said pulley it passes over a pulley 2 located in the upper end of the mast. From said pulley it passes over pulley 5 on the outer end of the boom 4, and from said pulley said rope passes to the mast near its upper end where it is secured as shown in Fig. 1 particularly.

The frame 11 is provided with a spring latch 12 for engaging crank 10 to prevent it from turning backward until desired to lower the shock on the rack. Said latch is provided with a coil spring 25, which spring presses it forward so its forward extending beveled end will be engaged by crank 10 and moved backward to permit said crank to pass it when said spring will move said latch out far enough so as to prevent said crank from turning back past said latch. The opposite end of said latch has pivotally attached to it a cam 26 to which is attached a hand rope 8. When said rope 8 is pulled it will through the medium of said cam withdraw said latch from contact with crank 10, so it can turn backward and permit windlass 22 to unwind rope 7 so the corn shock may be deposited on the rack 1.

The outer ends of windlass 17 are hollow for a short distance to receive the end of crank 18, so said crank can be applied to either end of said windlass.

If desired rope 1 may be detached from windlass 17 and attached to a team at one side of the rack, in case the corn shocks are too heavy to be hoisted by means of said windlass, and in such case the swiveled pulley 14 will permit said rope to extend to one side of the rack.

In operation it is intended to slide the base 21 with its appendages toward the forward end of the rack 27 when beginning to load, so as to load from the forward end of the rack toward its rear end. The wagon supporting said rack is driven along by the side of a row of corn shocks in the field. An operator will pass rope 7 around a corn shock and hook it so as to form a noose around the shock. He then leaves the shock and takes hold of crank 18 and winds up rope 1 to elevate the outer end of the boom 4 to elevate the shock and



swing the boom with its shock over the rack, while at the same time an operator on the rack takes hold of crank 10 and winds up windlass 22 with rope 7 attached to the shock, 5 and when the shock is in proper position pulls rope 8 and releases crank 10 so windlass 22 can turn backward and cause the shock to drop on the rack, when rope 7 is unhooked from it and the device is ready for another 10 like operation.

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

1. In a corn shock loader the combination 15 of the frame 11, windlass 22 having the crank 10, reciprocatory latch 12 for engaging said crank, coil spring 25 sleeved on said latch, cam lever 26 pivotally attached to the rear

end of said latch, and the hand rope 8 attached to said cam lever, all arranged to operate substantially as and for the purpose set forth. 20

2. In a corn shock loader the combination of the slidable base 21, the mast, 3, the boom, the rope 7 frame 11, windlass 22 having the 25 crank 10, reciprocatory latch 12, for engaging said crank, coil spring 25 sleeved on said latch, cam lever 26 pivotally attached to the rear end of said latch, and the hand rope 8 attached to said cam lever, all arranged to 30 operate substantially as and for the purpose set forth.

HORACE MCPHERSON.

Witnesses:

THOS. H. HUTCHINS,  
RAY HUTCHINS.