

No. 701,912.

Patented June 10, 1902.

A. D. MILLER.
CLOVER HARVESTER.

(Application filed Dec. 26, 1901.)

(No Model.)

Fig. 1.

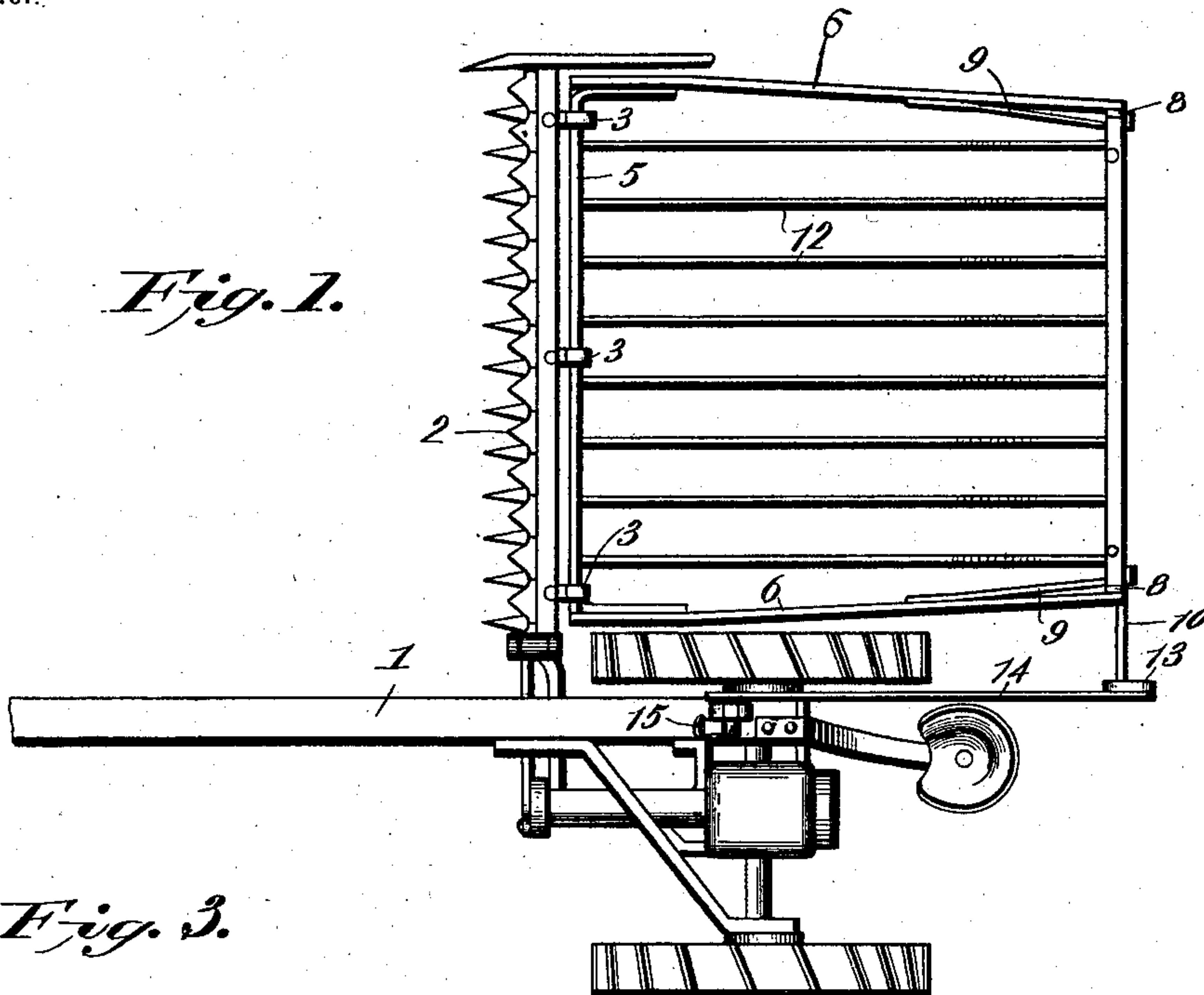


Fig. 3.

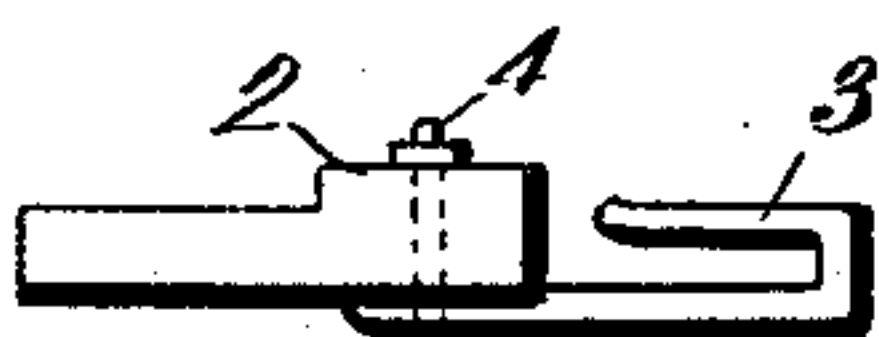
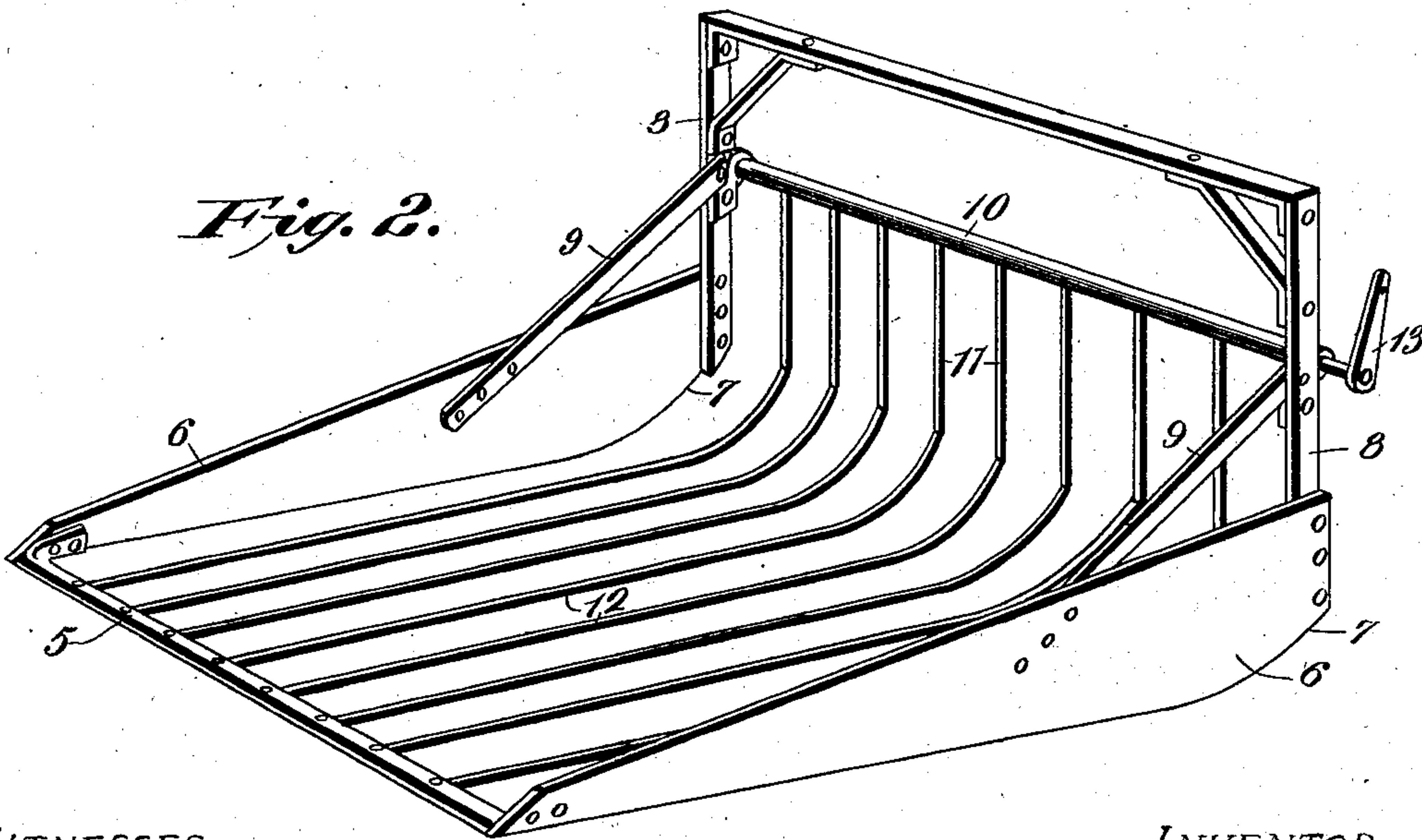


Fig. 2.



WITNESSES:

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ALBE D. MILLER, OF PORTLAND, INDIANA.

CLOVER-HARVESTER.

SPECIFICATION forming part of Letters Patent No. 701,912, dated June 10, 1902.

Application filed December 26, 1901. Serial No. 87,287. (No model.)

To all whom it may concern:

Be it known that I, ALBE D. MILLER, a citizen of the United States of America, residing at Portland, in the county of Jay and State of Indiana, have invented certain new and useful Improvements in Clover-Harvesters, of which the following is a specification.

This invention relates to harvesters, and particularly to that class known as "clover cutters and gatherers."

The object of the invention is to produce a clover-gathering attachment for mowing-machines which may be readily connected to or detached from the finger-bar of a mowing-machine, said attachment comprising novel means for retaining the cut material under certain pressure and for releasing it after a predetermined or suitable accumulation.

Furthermore, the object of the invention is to produce an attachment for mowing-machines which will permit backing or the swinging rearwardly of the finger-bar. It frequently happens in the use of a mowing-machine that short turns are made in which the finger-bar swings back. It is desirable at such times to have an attachment which will ride over the surface of the ground without obstruction. This invention is designed and accomplishes that result.

Finally, the object of the invention is to produce a mowing-machine attachment which will possess advantages in points of efficiency and durability, proving at the same time comparatively inexpensive.

With the above and other objects in view the invention consists in the details of construction and combination and arrangement of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail reference will be had to the accompanying drawings, forming a part of this specification, wherein like characters denote corresponding parts in the several views, and in which—

Figure 1 is a plan view of a mowing-machine with an attachment embodying the invention attached. Fig. 2 is a perspective view of the attachment. Fig. 3 is a detail view of the connecting means between the mowing-machine and the gathering attachment.

In the drawings, 1 indicates a mowing-ma-

chine, and 2 a finger-bar, which, being of any ordinary construction, need not be described in detail. Hooks 3 are secured to the finger-bar by means of bolts 4, the said hooks terminating a short distance from the rear edge of the finger-bar.

The clover-gathering attachment comprises a front bar 5, which is engaged by the hooks 3. The frame has sides 6, of sheet metal, tapering toward the rear and having a curved edge 7 at the rear. Standards 8 are secured to the rear end of the sides, and braces 9 extend from the sides to the standards. The sides of the frame converge at the rear ends in order that the material passing between them may be compressed somewhat before its discharge, there being a gate formed by a shaft 10 and slats or fingers 11, which controls the rear of the gatherer. The bottom of the frame is formed of strips 12 of metal, secured at their front ends to the bar 5, while their rear ends are curved and terminate in a line with the slats of the gate. Owing to the curvature of the rear ends of the strips, they are free to ride over the surface of the ground regardless of the movement of the mower.

A crank 13, connected by a link 14 to the lever 15, is under control of the operator on the mower-seat.

From the foregoing description it will be observed that as the clover is cut it will be forced rearwardly against the gate and that as the gate is opened the accumulation will be deposited in a bunch, which can be readily taken up.

The construction, operation, and advantages will, it is thought, be understood from the foregoing description, it being noted that various changes in the details of construction may be resorted to for successfully carrying the invention into practice without departing from the scope of the claim.

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

In a clover-harvester, a front bar, bottom strips secured thereto extending rearwardly and having their ends curved upwardly, side plates converging toward the rear and increasing in height and having curved edges 7, standards secured to the sides, a shaft sup-

ported by the standards, fingers carried by the shaft and projecting to the upturned ends of the bottom strips means for partially rotating the shaft, and hooks on the finger-bar
5 engaging the front bar of the receptacle, as and for the purpose described.

In testimony whereof I affix my signature,

in the presence of two witnesses, this 30th day of November, 1901.

ALBE D. MILLER.

Witnesses:

S. W. HAYNES,
GEO. W. HALL.