

(No Model.)

K. L. KAMMERER.
CORN PLANTER ATTACHMENT.

No. 510,069.

Patented Dec. 5, 1893.

Fig. 1.

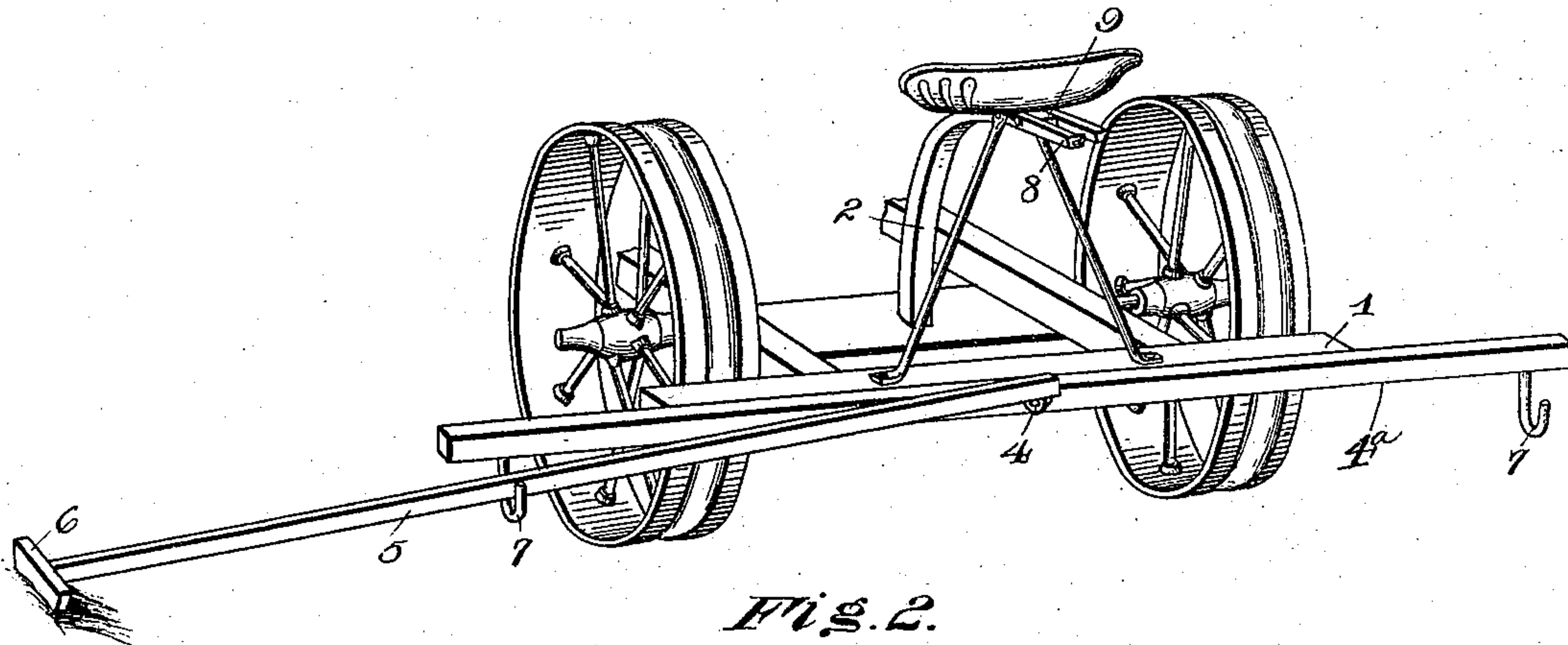


Fig. 2.

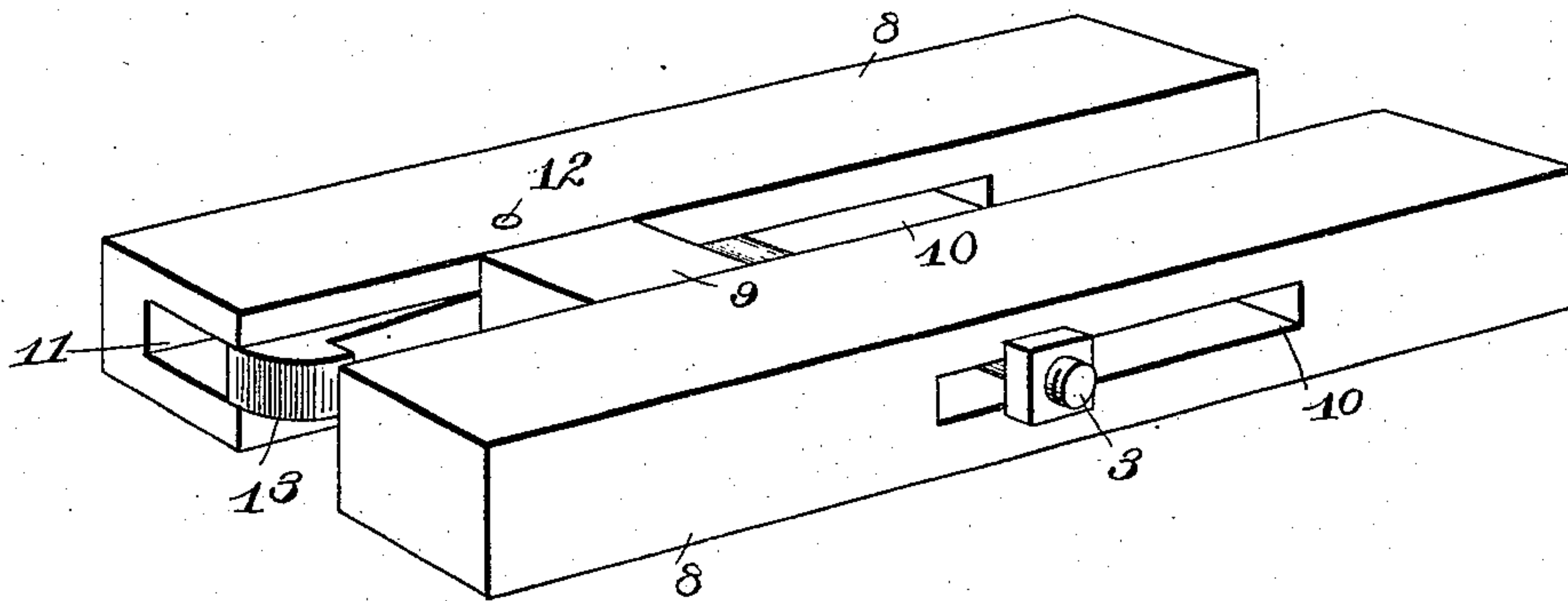
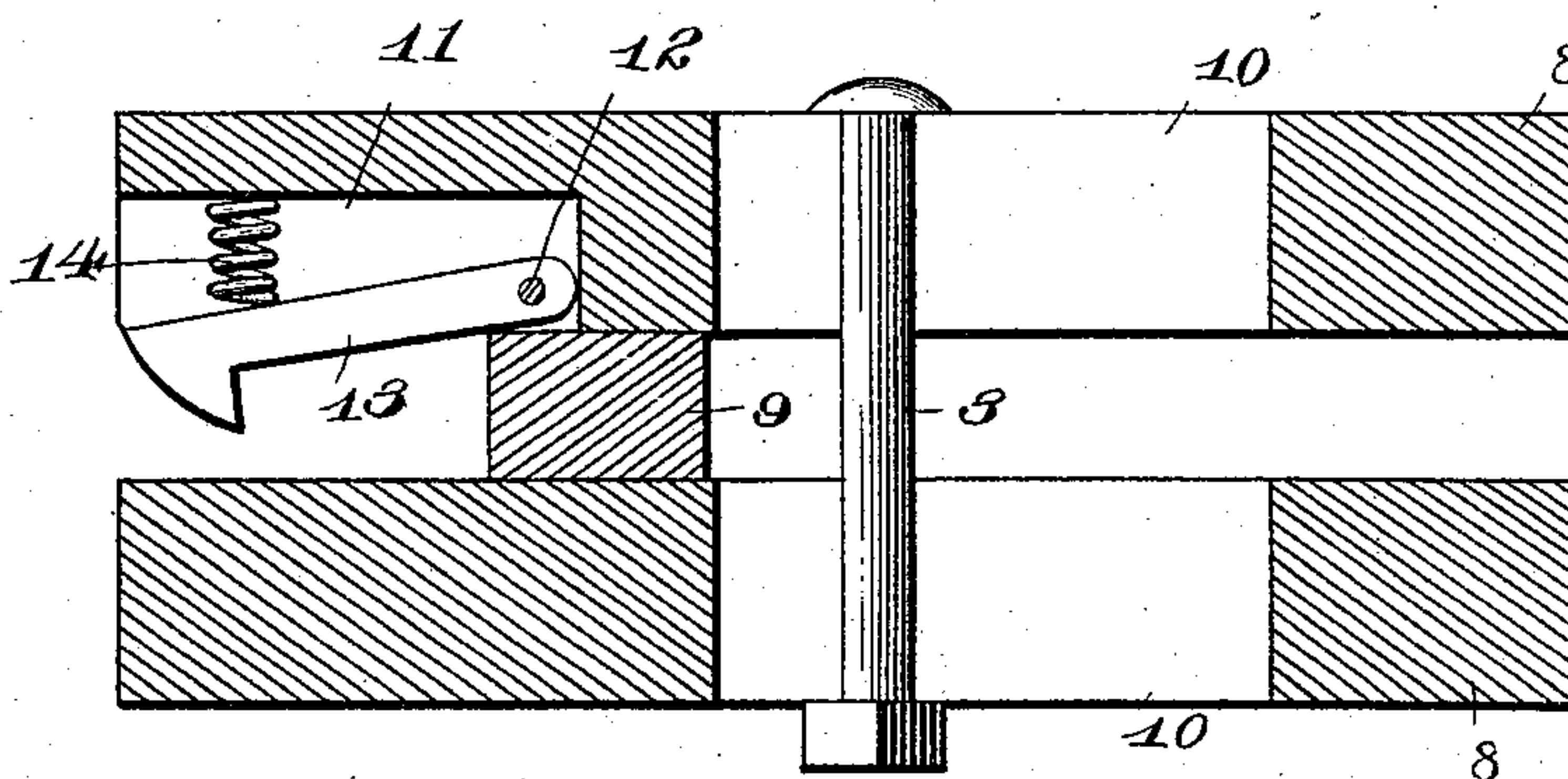


Fig. 3.



Witnesses:

C. A. Ford.

M. S. Duval.

Inventor

Karl L. Kammerer,

By *his* Attorneys,

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

KARL L. KAMMERER, OF BISHOP, ILLINOIS, ASSIGNOR OF TWO-THIRDS TO
JOHN H. BISHOP AND GEORGE W. WESSLING, OF SAME PLACE.

CORN-PLANTER ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 510,069, dated December 5, 1893.

Application filed April 14, 1893. Serial No. 470,359. (No model.)

To all whom it may concern:

Be it known that I, KARL L. KAMMERER, a citizen of the United States, residing at Bishop, in the county of Mason and State of Illinois, have invented a new and useful Corn-Planter Attachment, of which the following is a specification.

My invention relates to improvements in corn-planters, and has particular reference to an attachment for the same.

The objects of the invention are to provide an attachment of cheap and simple construction and applicable to all classes of planters where a pivoted marker-bar is employed at the rear end of the machine, and so constructed as to receive and support in a detachable manner said marker-bar, whereby the same is maintained out of operative position, as when traveling to and from the field of operation or turning the machine at the end of each row.

With these objects in view the invention consists in certain features of construction hereinafter specified and particularly pointed out in the claims.

Referring to the drawings—Figure 1 is a perspective view of so much of a corn planter as is necessary to illustrate the applicability of my invention, the same being provided with an attachment constructed in accordance with my invention. Fig. 2 is a detail of the attachment. Fig. 3 is a sectional view thereof.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 designates the general framework of the corn-planter, whose specific construction as well as that of the planting mechanism bears no reference to my invention and hence need not be described though it is shown for the purpose of illustration. As is usual in this class of planters a curved seat-standard 2 is supported at the rear end of the frame, and the same, in the present instance, is provided with a transverse bolt-hole, through which passes a bolt 3, which is a part of the attachment.

To the rear frame-bar of the frame 1 there is secured a supplemental transverse bar 4^a, whose ends extend beyond the sides of the

frame and are provided with depending hooks 7. A marker-bar 5 having shoe 6 is loosely pivoted at 4 to the bar and may be swung to either side into either of these hooks, the aforesaid marker-bar being adapted to mark off rows at either side of the machine.

Thus far I have described the ordinary construction of the class of corn-planters to which my device is applicable, and I will now proceed to describe the attachment itself, which is designed to coact with and be applied to corn-planters of this class.

The attachment comprises a pair of opposite parallel bars 8 which are connected at some suitable intermediate point by an intermediate block 9. The bars 8 are provided with longitudinal slots 10, and through the same passes the transverse-bolt 3, whereby as will be obvious, the attachment is held upon the seat-standard 2, and through the medium of the bolt may be adjusted so as to project more or less to the rear over the rear end of the frame, and at the center thereof or above the point of pivot 4 between the rear transverse frame-bars and the inner end of the marker-bar.

The inner side and rear portion of one of the bars 8 is provided with a recess or chamber 11, and in front of the same there is pivoted as at 12 a catch 13, which is provided at its outer end with a beveled shoulder, as is usual. The beveled shoulder is normally projected into the space between the bars 8 in rear of the space-block 9 through the medium of a coiled-spring 14 that is interposed between the outer face or side of the catch and the side wall of the recess or chamber of the bar 8.

This completes the construction of the attachment and its mode of application, and the operation thereof is as follows:

When it is desired to travel to or from the field of operation or in the turning of the machine at the ends of the rows, and it is therefore undesirable for the marker-bar to drag, the same is elevated to a vertical position and introduced between the rear ends of the bars 8 into the recess produced thereby and against the tendency of the spring-pressed catch, which catch is pressed inward to per-

mit of the passage of the bar, and after the latter has gained access to the recess and passed beyond the shoulder of the catch, its spring expels the catch-shoulder in rear of the bar and prevents withdrawal. The bar is now held securely in position and the machine may be transported any desired distance or turned at the ends of rows without disturbing the bar.

10 Having described my invention, what I claim is—

1. The combination with a corn-planter and its seat-standard, of bars arranged at opposite sides of the standard and projecting in rear of the same, securing devices for the bars, a spring-pressed catch arranged in the inner face and near the rear end of one of said bars, and a pivoted marker-bar secured to the framework of the machine below said catch and adapted to be introduced between said opposite bars and be engaged by the catch, substantially as specified.

2. The combination with a corn-planter frame, the supplemental-bar secured to the rear end thereof and having depending end hooks, a pivoted marker-bar, and the seat standard, of the opposite slotted bars embracing the standard, the bolt passing through the slots and the standard, the spacing-block arranged between and about midway the bars, one of said bars being provided with a recess in the inner half of its rear end, a shouldered catch pivoted in the recess, and a coiled-spring interposed between the side wall of the recess and the catch, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

KARL L. KAMMERER.

Witnesses:

PERRY HOPPING,
JOHN E. HIMMEL.