

No. 730,217.

PATENTED JUNE 9, 1903.

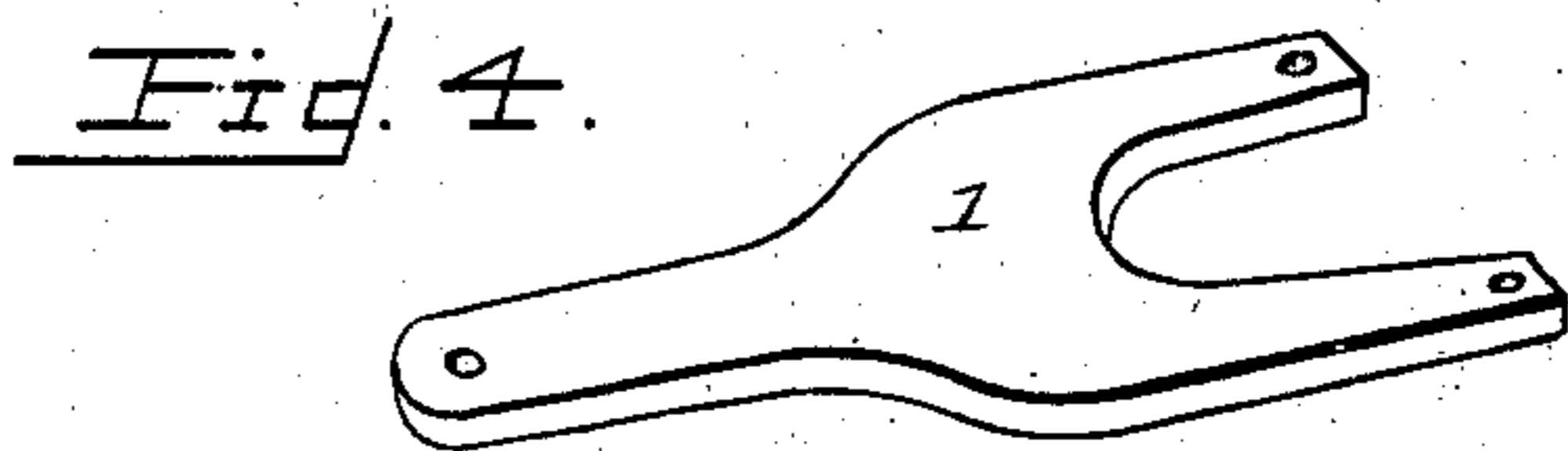
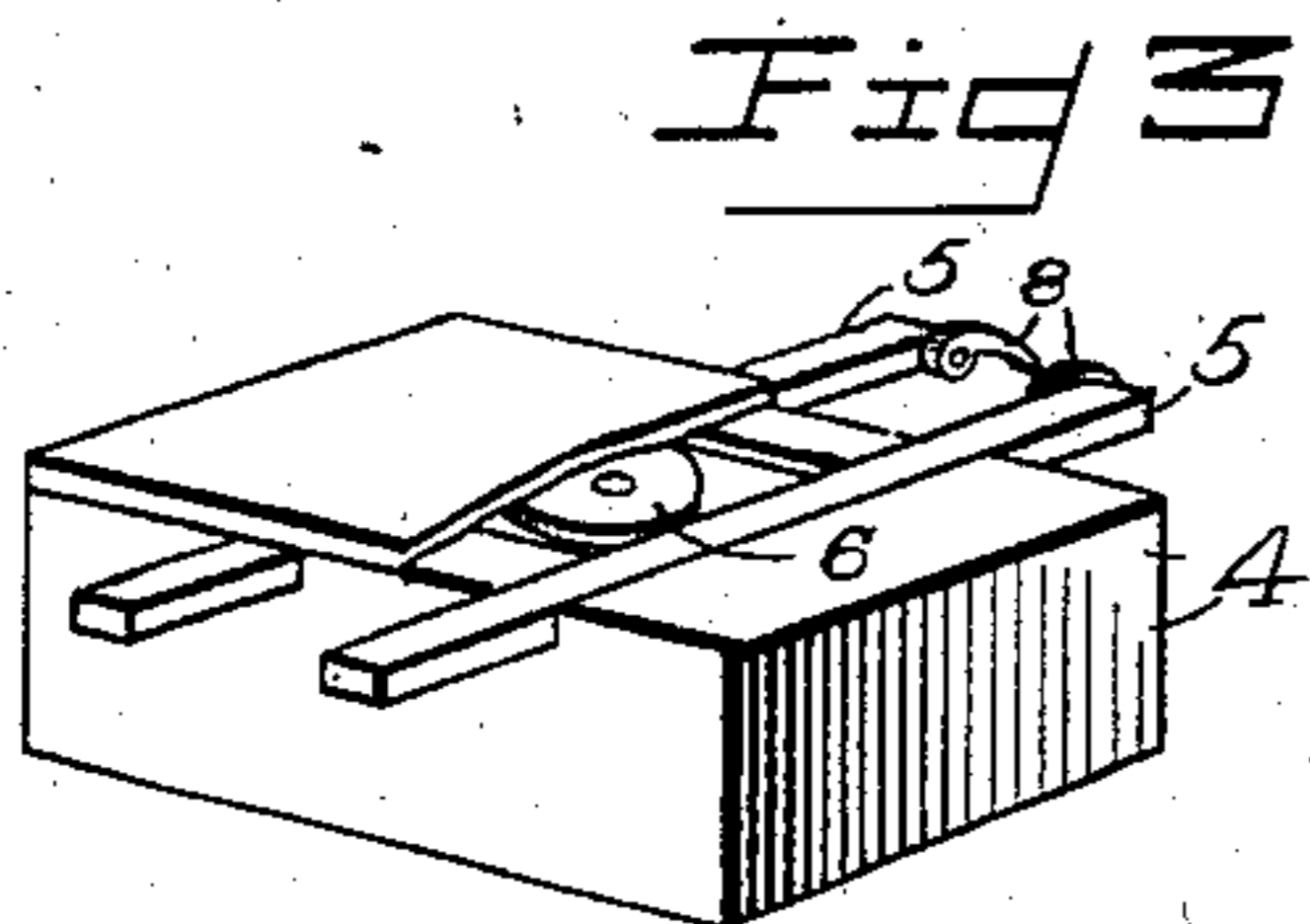
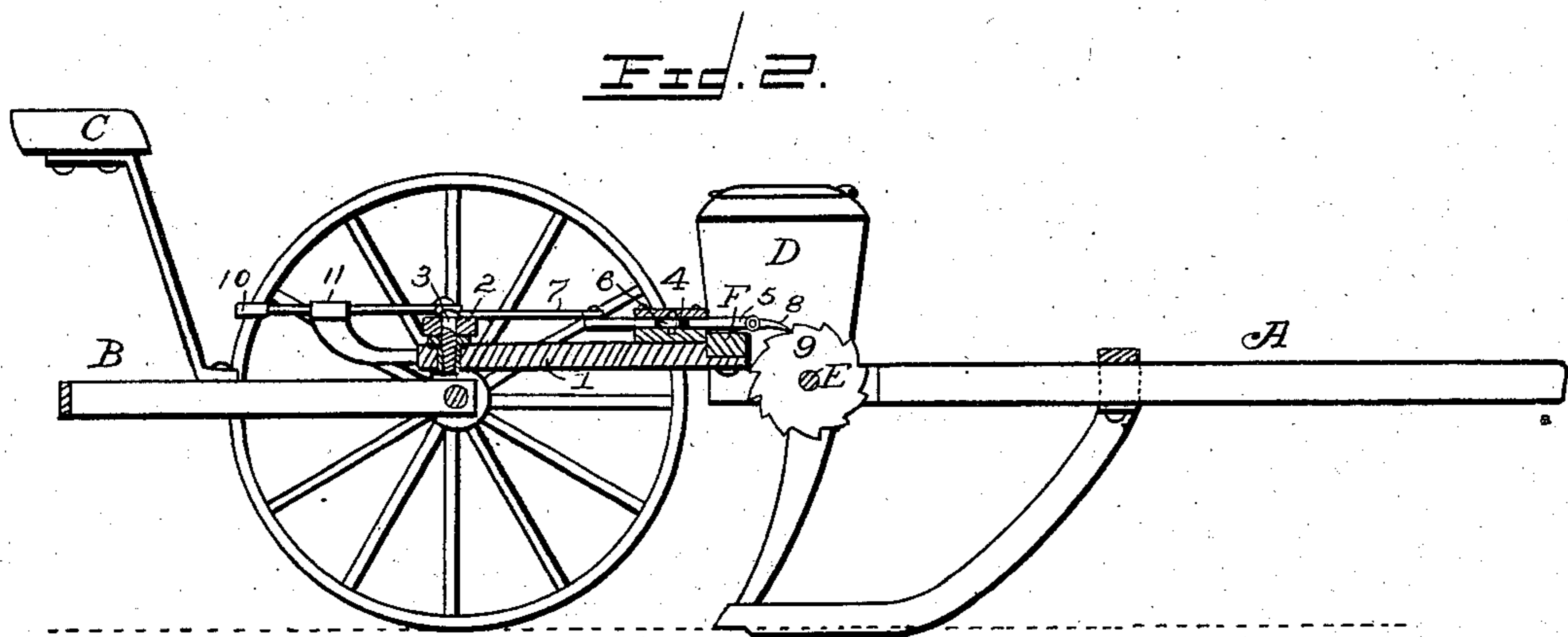
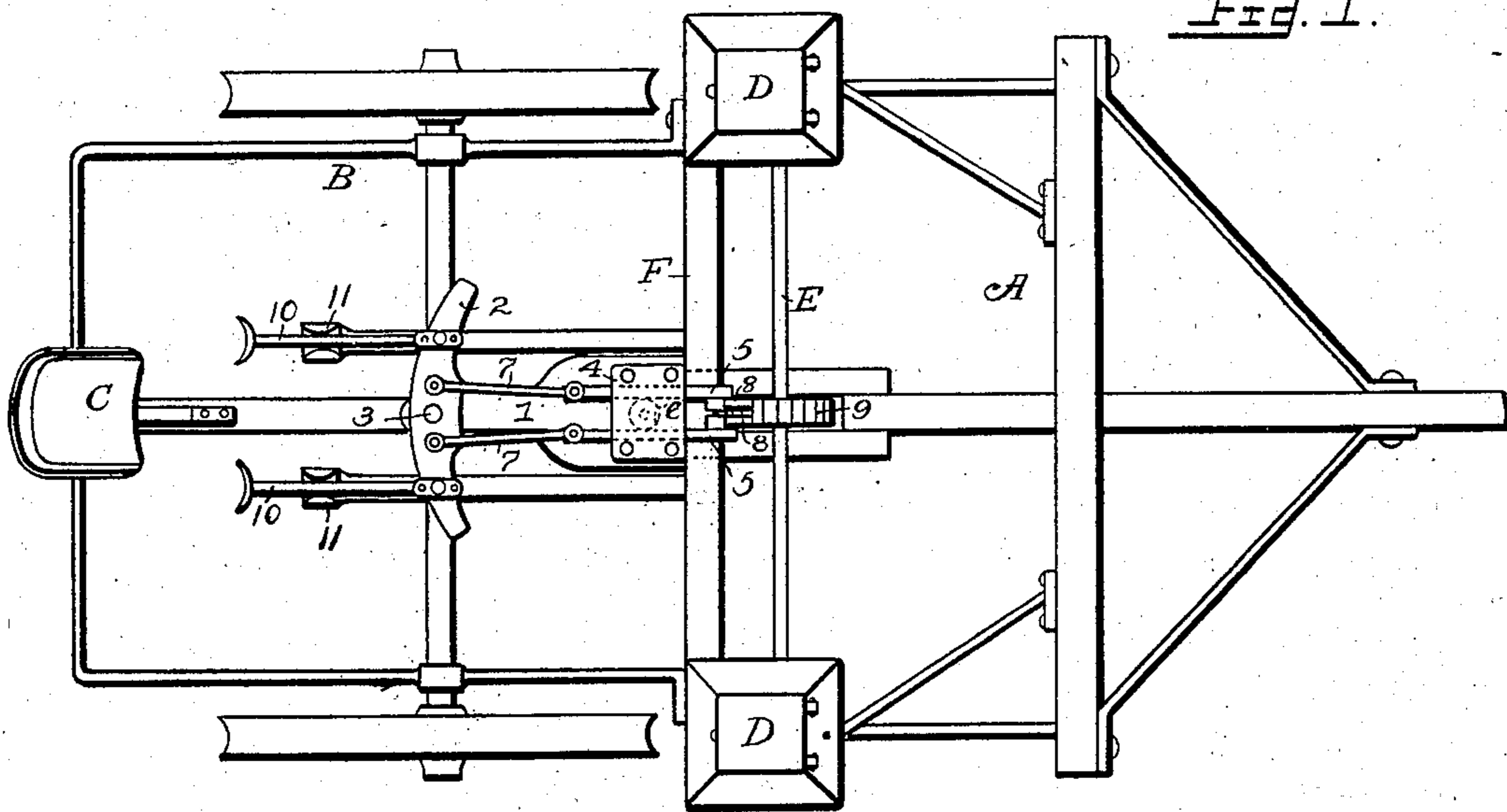
G. S. AGEE.

CHECK ROW ATTACHMENT FOR CORN PLANTERS.

APPLICATION FILED JUNE 25, 1900. RENEWED SEPT. 13, 1902.

NO MODEL.

2 SHEETS—SHEET 1.



Witnesses  
*F. G. Campbell*  
*J. C. Harner*

George S. Agee, Inventor  
by *Chas. Snow & Co.*  
Attorneys

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2 SHEETS—SHEET 2.

Fig. 5.

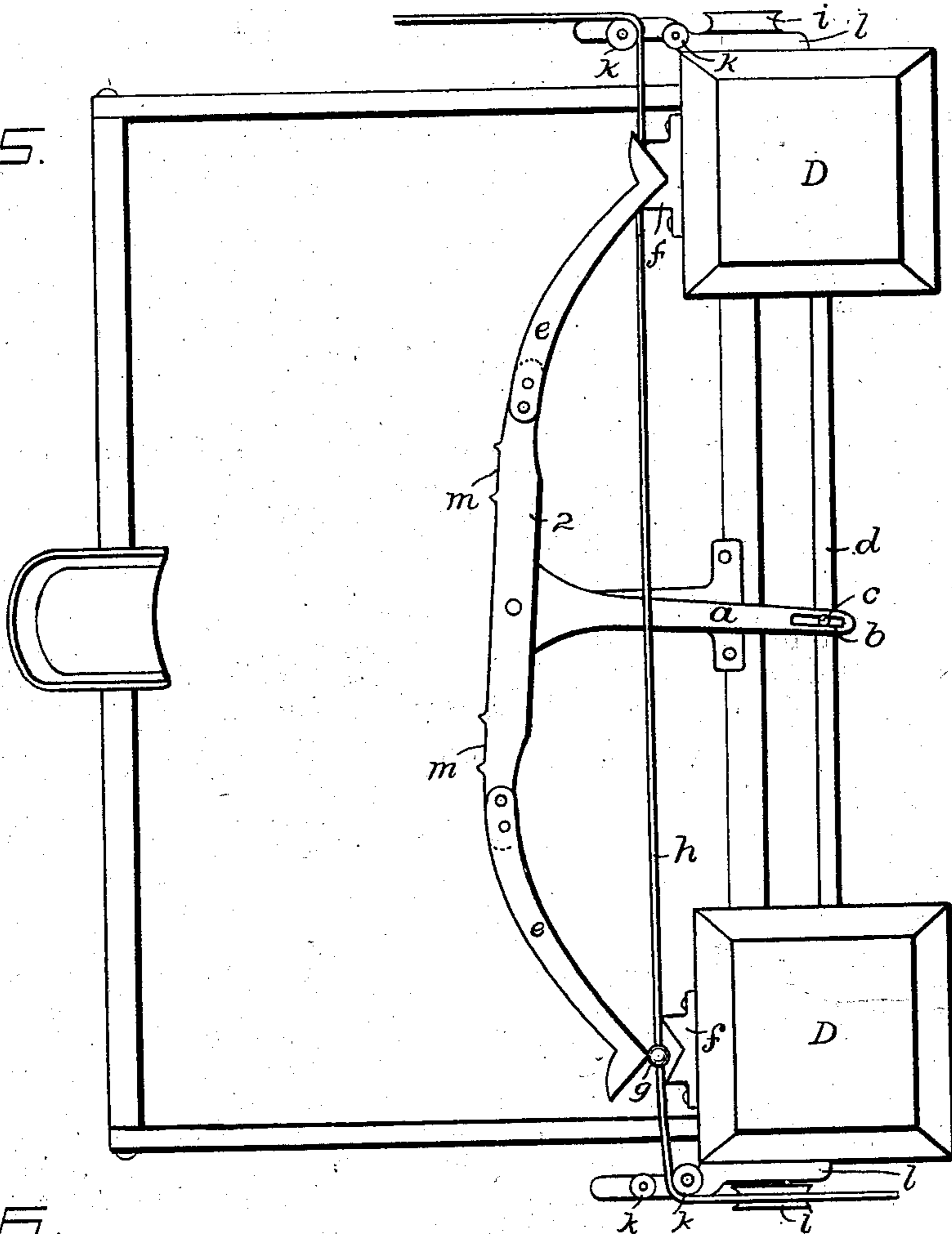


Fig. 6.

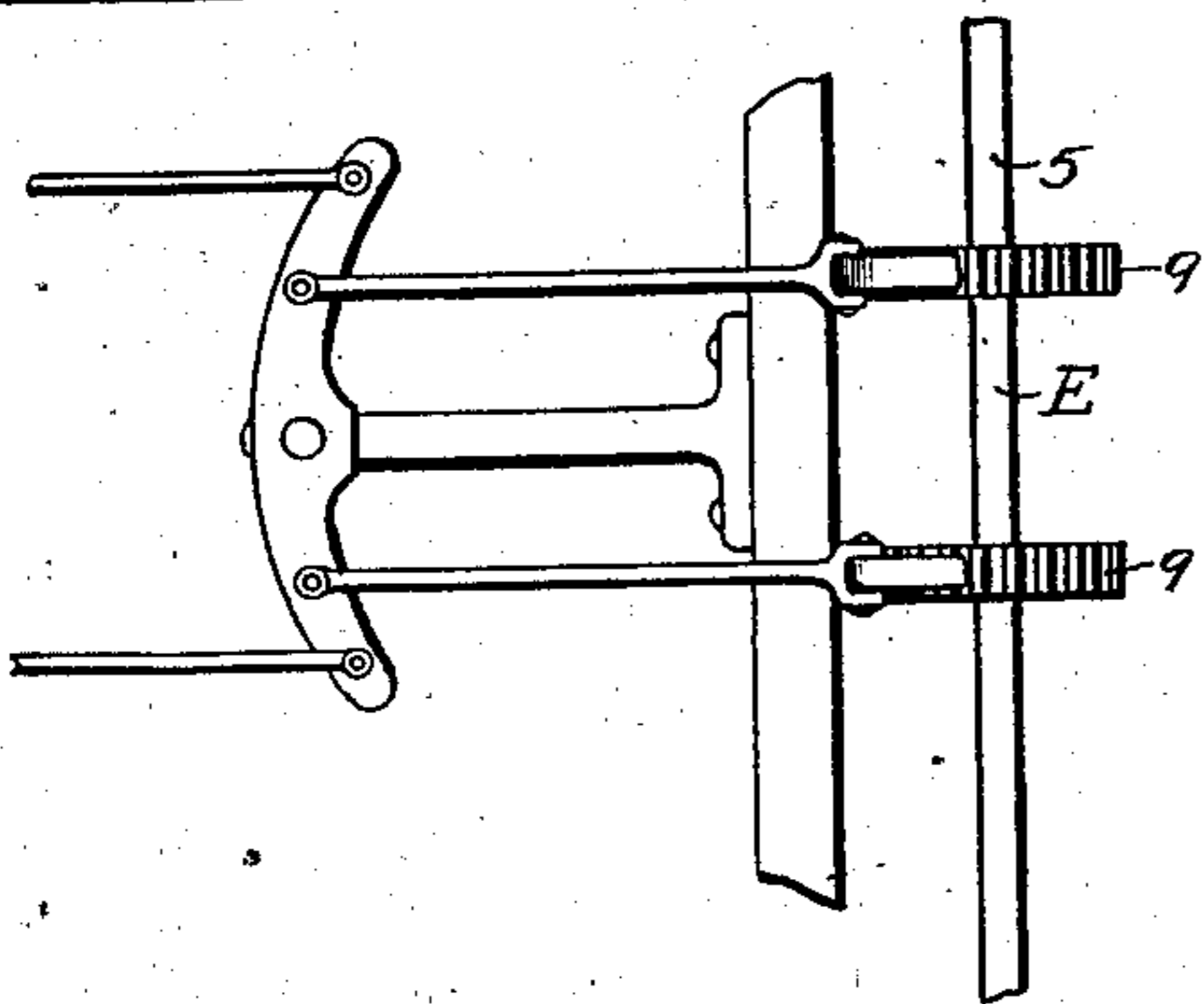
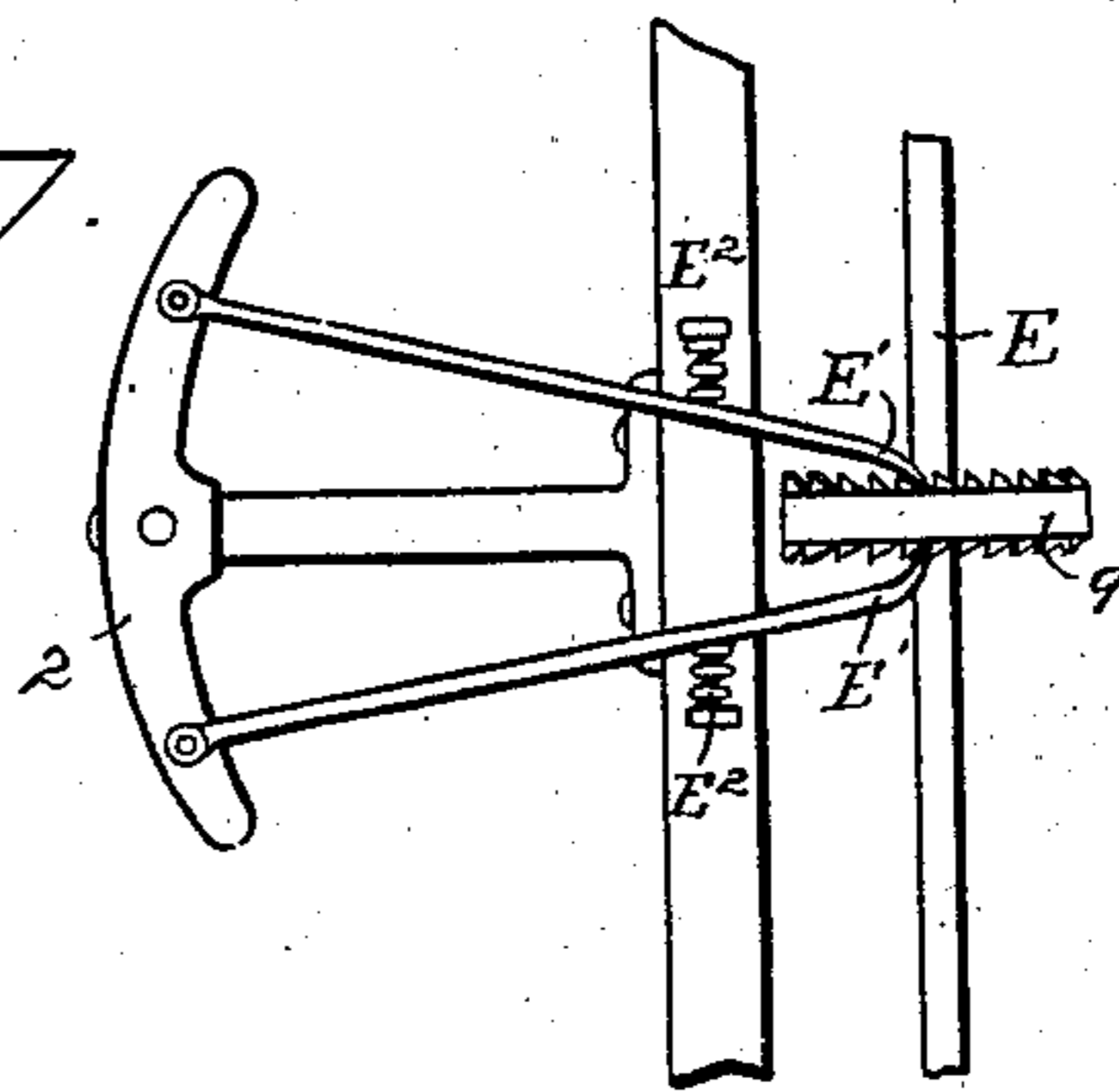


Fig. 7.



Witnesses

Frank G. Campbell.

J. W. Garner

George S. Agee, Inventor.

by *C. A. Snow & Co.*  
Attorneys

## UNITED STATES PATENT OFFICE.

GEORGE S. AGEE, OF TEXARKANA, TEXAS.

## CHECK-ROW ATTACHMENT FOR CORN-PLANTERS.

SPECIFICATION forming part of Letters Patent No. 730,217, dated June 9, 1903.

Application filed June 25, 1900. Renewed September 13, 1902. Serial No. 123,246. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE S. AGEE, a citizen of the United States, residing at Texarkana, in the county of Bowie and State of Texas, have invented new and useful Check-Row Attachments for Corn-Planters, of which the following is a specification.

My invention is an improved check-row attachment for corn-planting machines, the object of my invention being to provide an efficient mechanism for actuating the seed-dropping mechanism of the corn-planter and which may be operated by the feet of the driver or by a check-wire in such manner as to cause the seeds to be planted in check-rows.

My invention consists in the peculiar construction and combination of devices hereinafter fully set forth, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a top plan view of a corn-planter provided with my improved attachment. Fig. 2 is a longitudinal central sectional view of the same. Figs. 3 and 4 are detail views. Fig. 5 is a top plan view of a modified form of my invention, showing the same attached to a check-row corn-planter in which a check-wire is used. Figs. 6 and 7 are detail top plan views of other modified forms of my invention.

The corn-planting machine may be of any preferred form, A designating the front or runner frame thereof; B, the rear or wheel frame, on which is the seat C for the driver; D designating the seed-hoppers; E, the rotating shaft, which actuates the seed-dropping mechanism, and F the cross-bar, which in machines of this class usually connects the seed-hoppers. To the cross-bar F, I bolt a supporting-bracket 1, which is provided in the embodiment of my invention, said bracket projecting rearward from said cross-bar, and to the rear end of said bracket is pivoted a rock-bar 2, which is mounted on a pivot 3, which may be a bolt or the like. A guide-box 4 is secured on the bracket 1 immediately in rear of the cross-bar F, and reciprocating bars 5 travel in said guide-box, the opposing sides of said reciprocating bars engaging an antifriction-roller 6, which is mounted in the guide-box. The said reciprocating bars 5 are connected to the oscillating bar 2

by rods 7, and at the front ends of said reciprocating bars are pawls 8, which alternately engage and partly rotate a ratchet-wheel 9, which is fast on shaft E, hence rotating said shaft and actuating the seed-dropping mechanisms, as will be understood. In certain cases where the driver's seat C is sufficiently near the rock-bar 2 the driver by placing his feet on said rock-bar may impart oscillating motion thereto in order to actuate the seed-dropping mechanisms and cause the seeds to be planted in check-rows or as may be required, and in the event that the seat C is remote from the rock-bar I provide pedal-rods 10, which are attached to and project rearward from said rock-bar and are supported and guided in rearward-extending brackets 11, the front ends of which are bolted to the cross-bar F.

In the event that the machine on which the attachment is to be used is not provided with the usual cross-bar F laterally-extending arms may be used to bridge the spaces between the bracket 1 and the seed-hoppers. Other modifications may be made without departing from the spirit of my invention.

In the form of my invention hereinbefore described, and shown in Figs. 1, 2, 3, and 4, the same is adapted for use on a corn-planter having a revoluble shaft for imparting rotary motion to the seed-dropping devices. Another form of corn-planter employs a reciprocating bar to actuate the seed-dropping devices, and in Fig. 5 of the drawings I show a modified form of my invention adapted for use in connection with such a planter and also in connection with a check-row wire. In this form of my invention the rock-bar 2 is provided with a forward-extending rock-arm *a*, having a slot *b* at its outer end, in which operates a pin *c*, that projects vertically from the upper side of the reciprocating bar *d*. Extended arms *e*, detachably secured to the ends of the rock-bar 2, are adapted, in connection with coacting guides *f*, bolted to the rear sides of the seed-hoppers D, to be alternately operated by the balls *g* on the check-row wire *h*. The said wire is appropriately guided by sheaves *i* and rollers *k*, carried by brackets *l*, detachably secured to the outer sides of the hoppers. Treads *m* are provided on the rear side of the

rock-bar to adapt the same to be operated by the feet of the driver if the check-row wire is not employed.

In the modified form of my invention shown 5 in Fig. 6 the revoluble shaft E is provided with a pair of ratchet-wheels 9, each of which is engaged and rotated by a pawl and carried by a rod 5.

In the modified form of my invention shown 10 in Fig. 7 a wheel 9 on the shaft E is provided with ratchet-teeth on its opposite faces, which teeth are engaged by pawls E', pivotally connected to the rock-bar 2, and by springs E<sup>2</sup>, which bear on the outer sides of said pawls, 15 kept in engagement with the faces of said wheel.

Having thus described my invention, I claim—

1. A seed-dropping actuating attachment 20 for corn-planters, comprising a supporting-bracket secured to the cross-bar of the planter-frame, a horizontally-disposed foot-operated rocking bar mounted on said bracket, and

operating connections between said foot-operated rocking bar and the connecting-rod between the seed-dropping mechanism, substantially as described. 25

2. A seed-dropping actuating attachment for corn-planters, comprising a supporting-bracket and means to secure the same to the 30 frame of a corn-planter, a horizontally-disposed rocking bar mounted on said bracket, reciprocating pedal-rods, supported in guides on said bracket and connected to said rocking bar, and operating connections between 35 said rocking bar and an element of the seed-dropping mechanism, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in 40 the presence of two witnesses.

GEORGE S. AGEE.

Witnesses:

T. N. MCGEHAN,  
S. A. COLLOM.