

(No Model.)

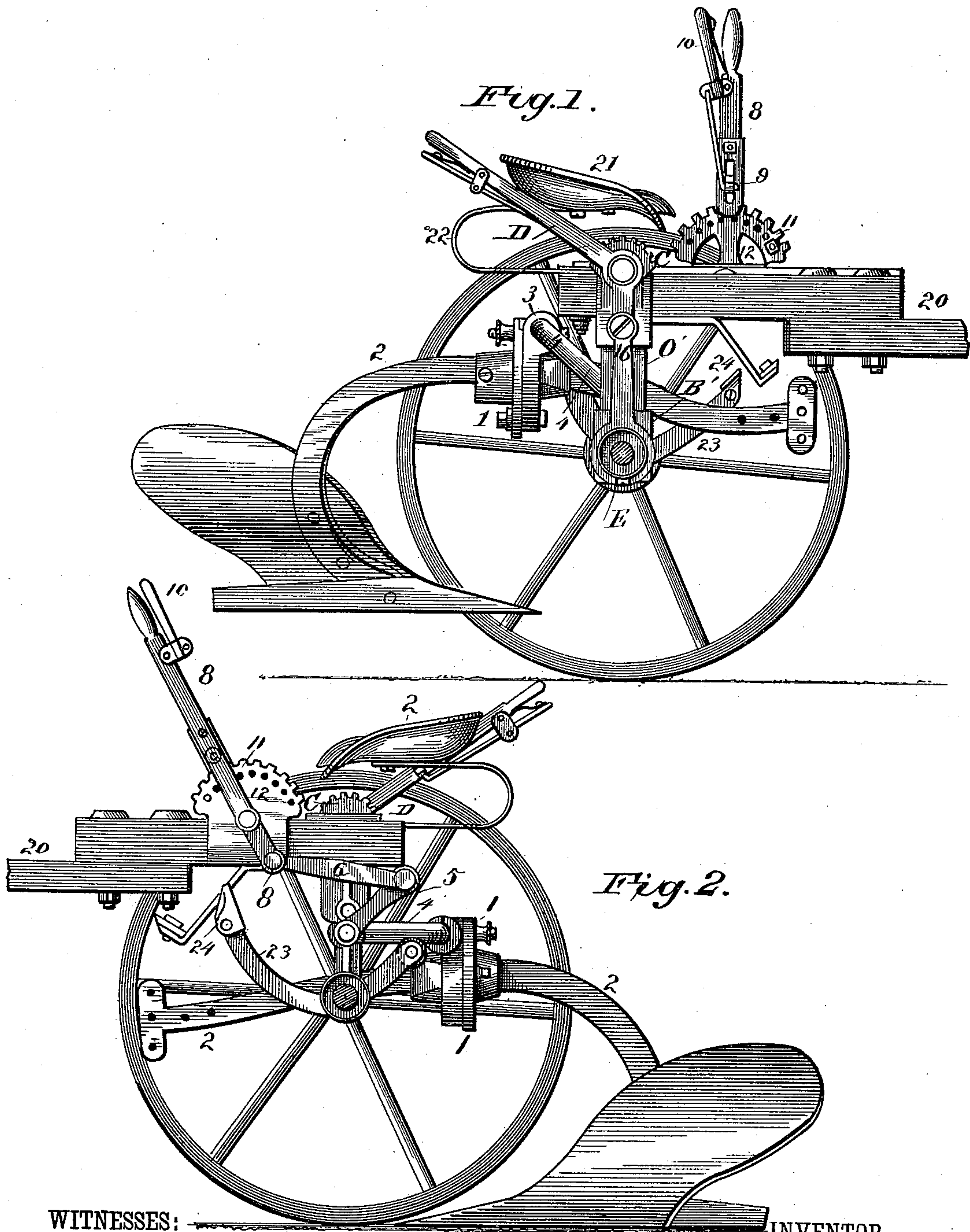
3 Sheets—Sheet 1.

F. B. HUNT.

SULKY PLOW.

No. 329,905.

Patented Nov. 10, 1885.



WITNESSES:

INVENTOR.

*Wm. L. Dietrich.*  
*Jos. A. Ryan.*

*Franklin B. Hunt*

(No Model.)

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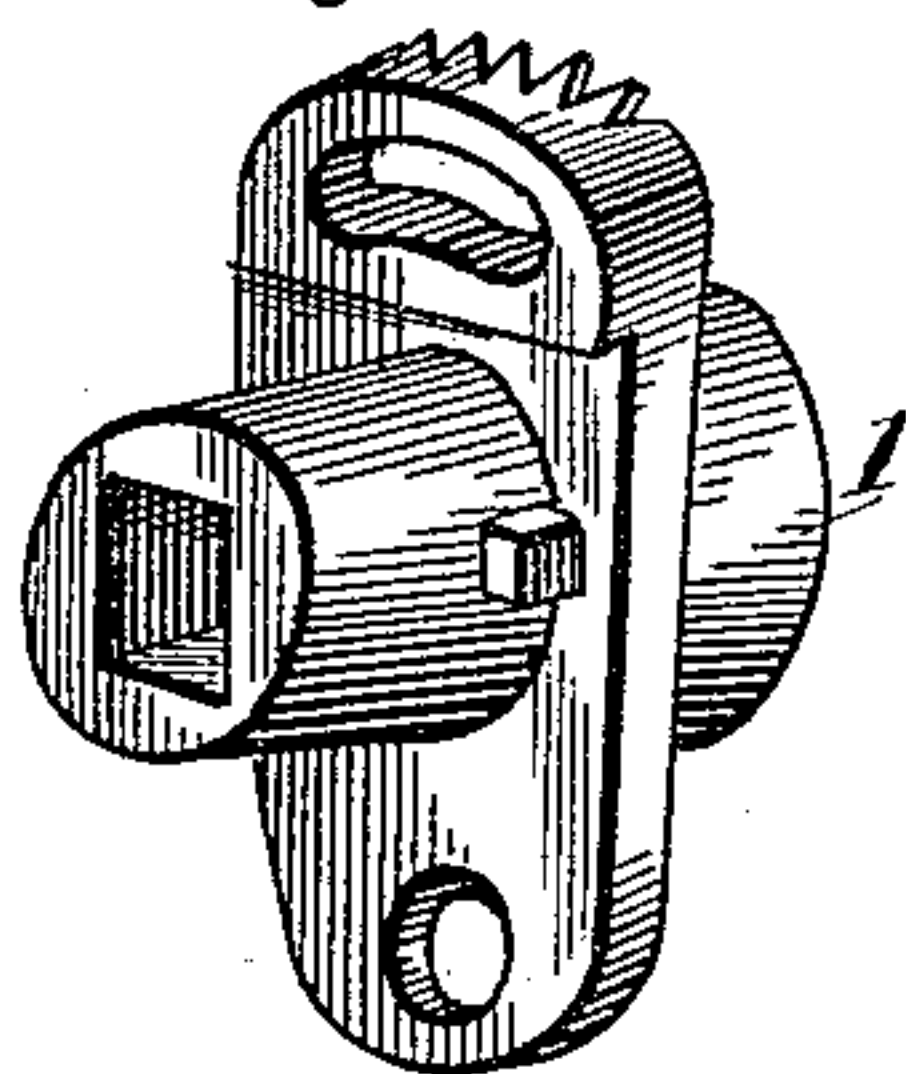
F. B. HUNT.

SULKY PLOW.

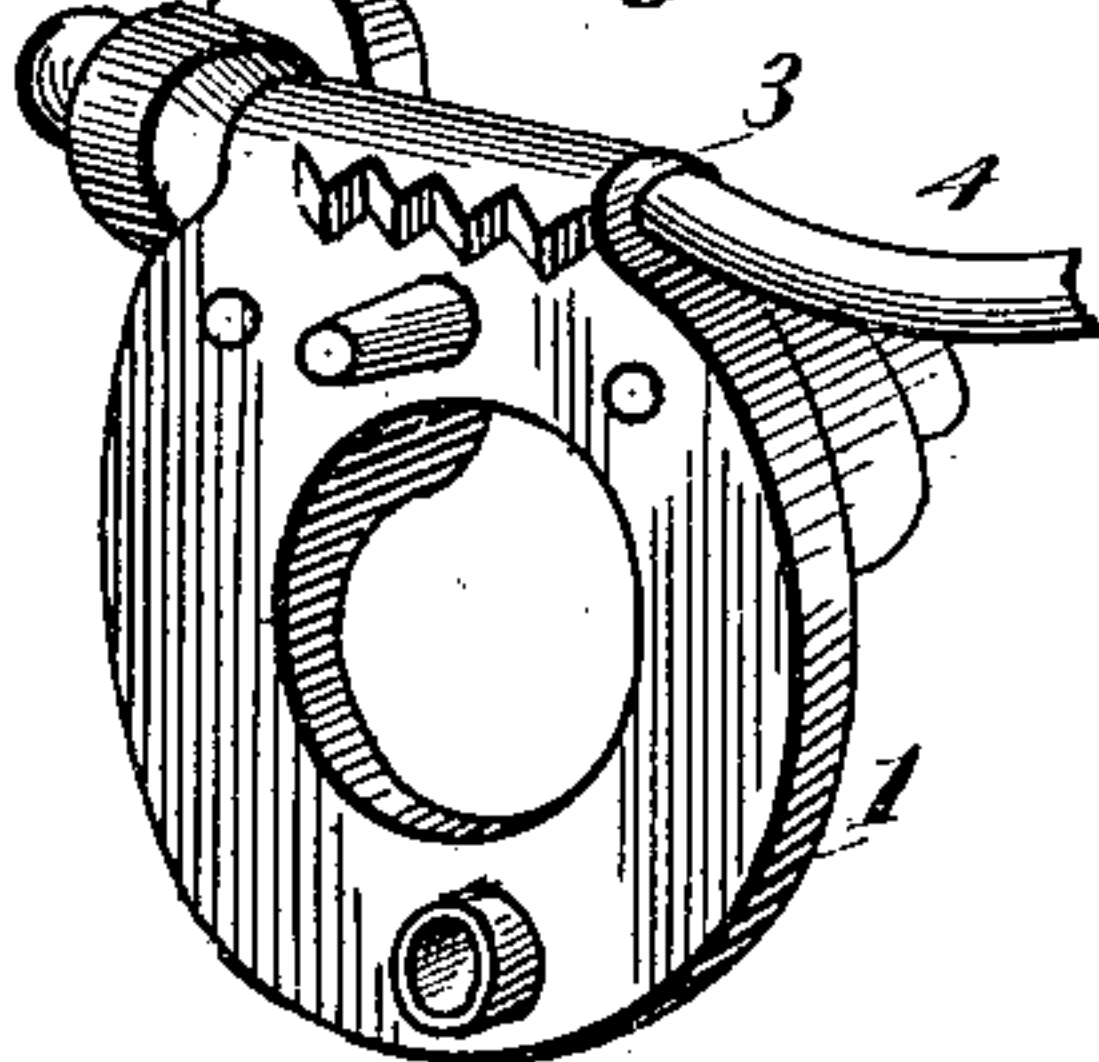
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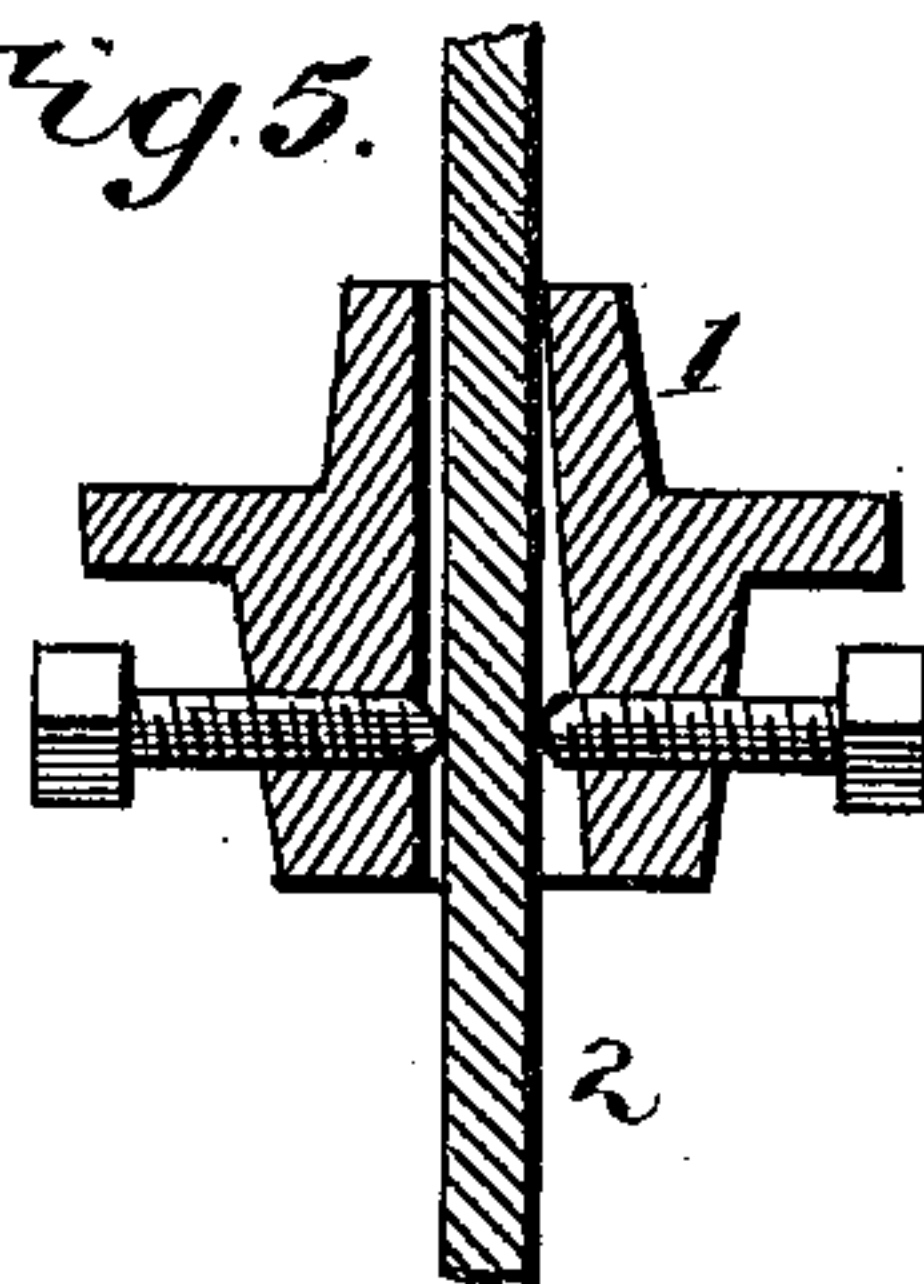
*Fig. 3*



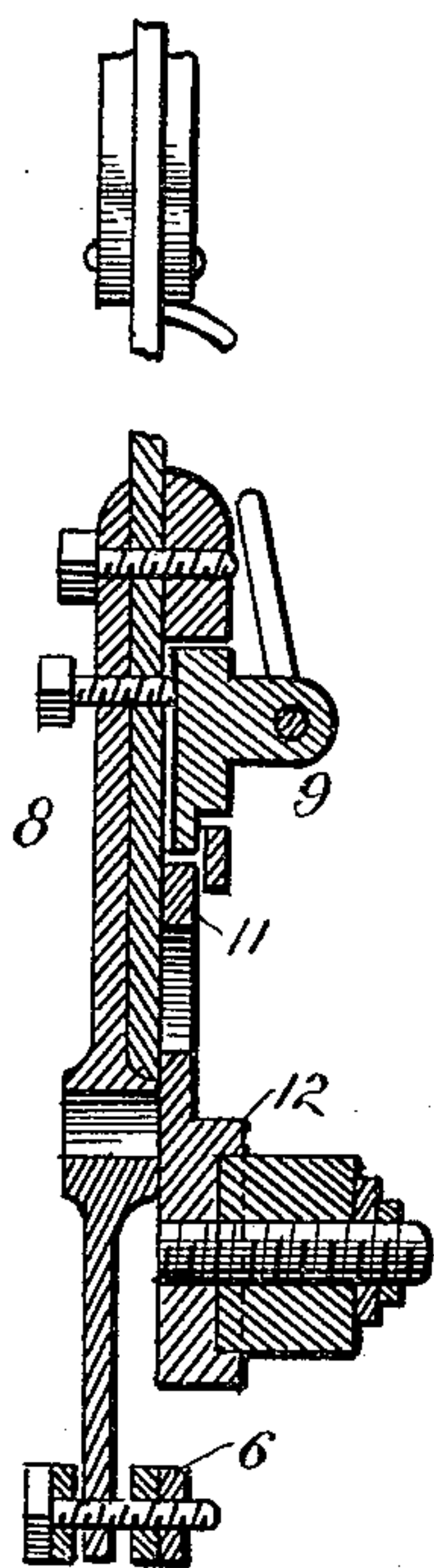
*Fig. 4*



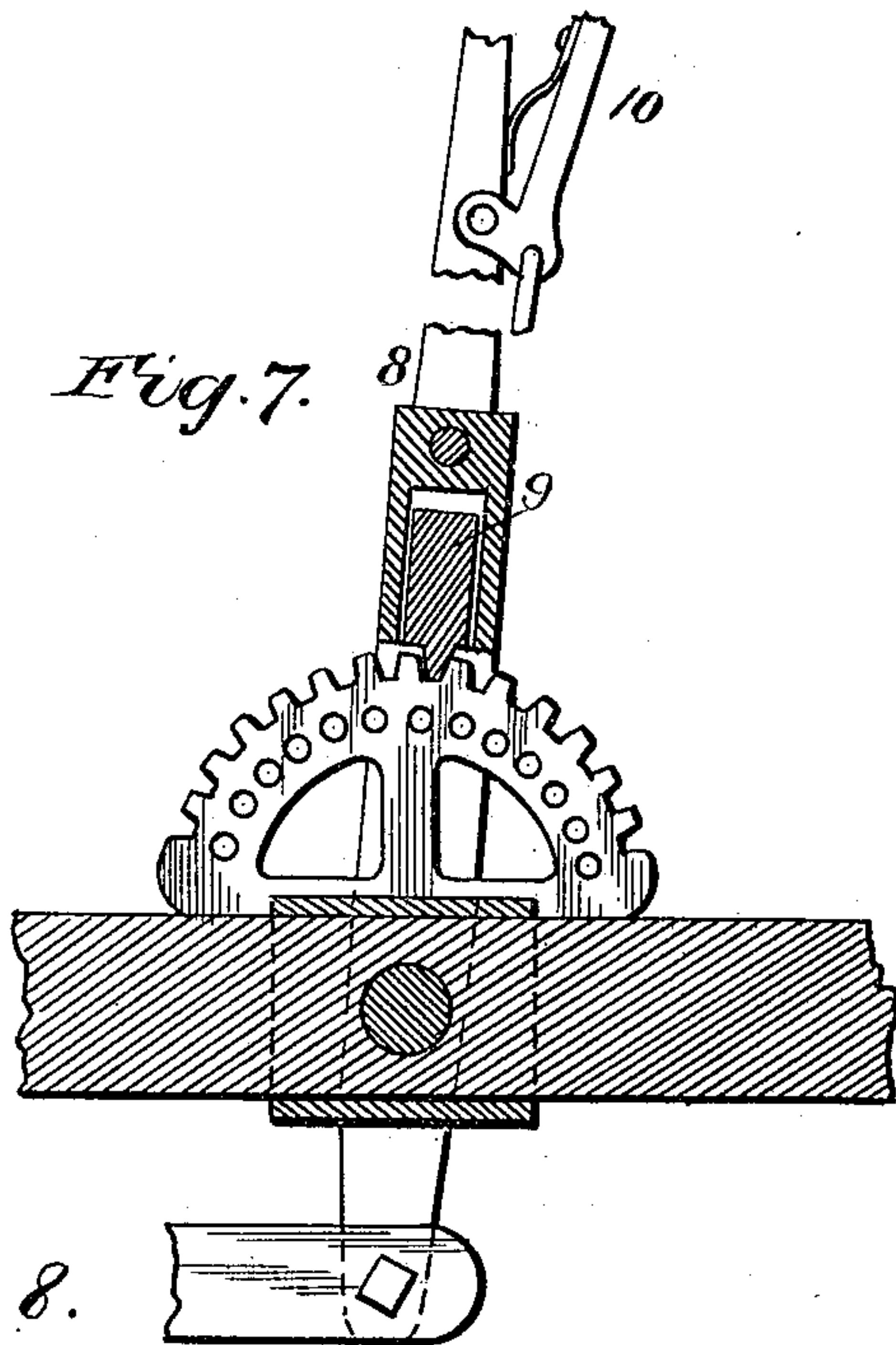
*Fig. 5.*



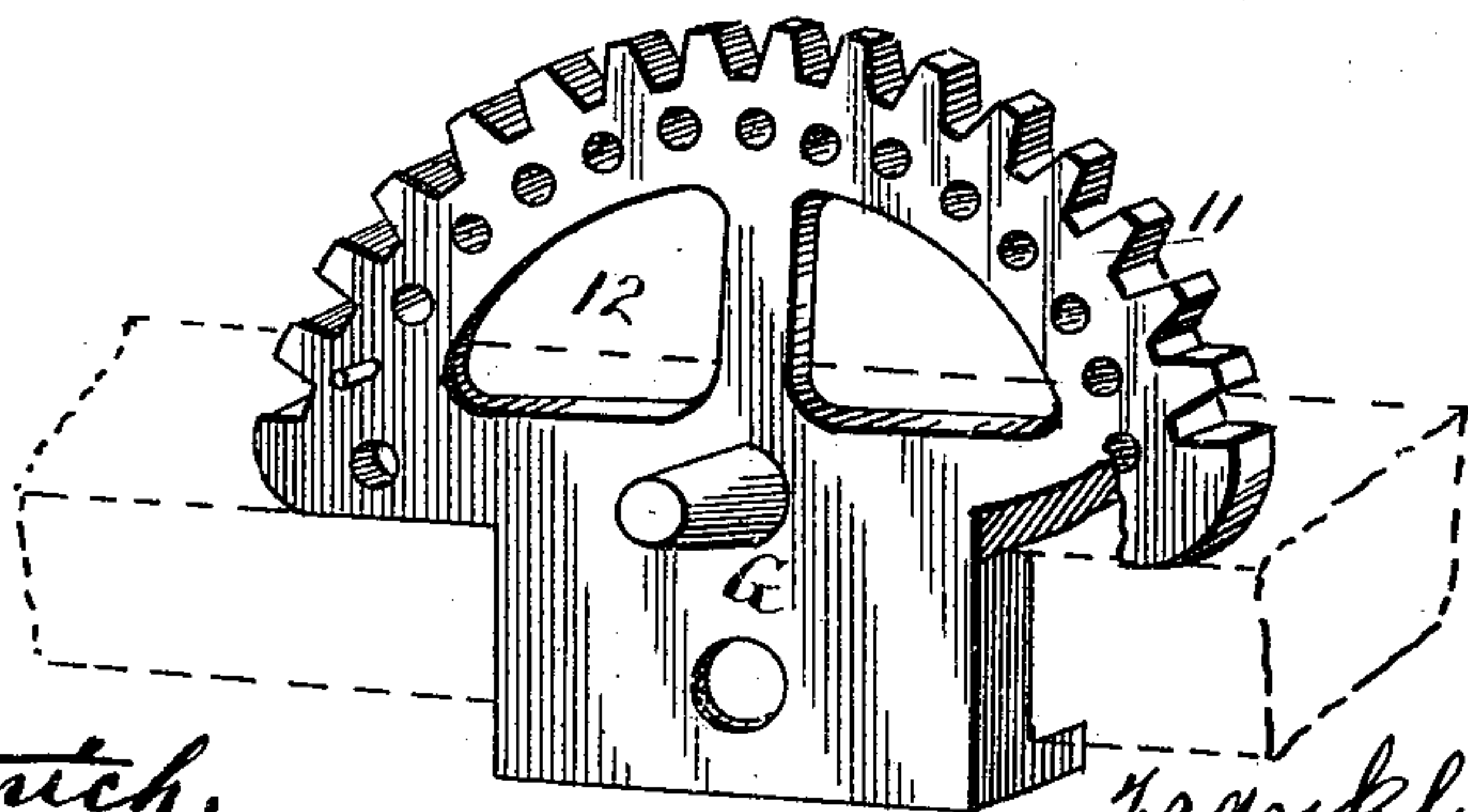
*Fig. 6.*



*Fig. 7.*



*Fig. 8.*



WITNESSES:

*Wm. S. Dutcher,*  
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INVENTOR.

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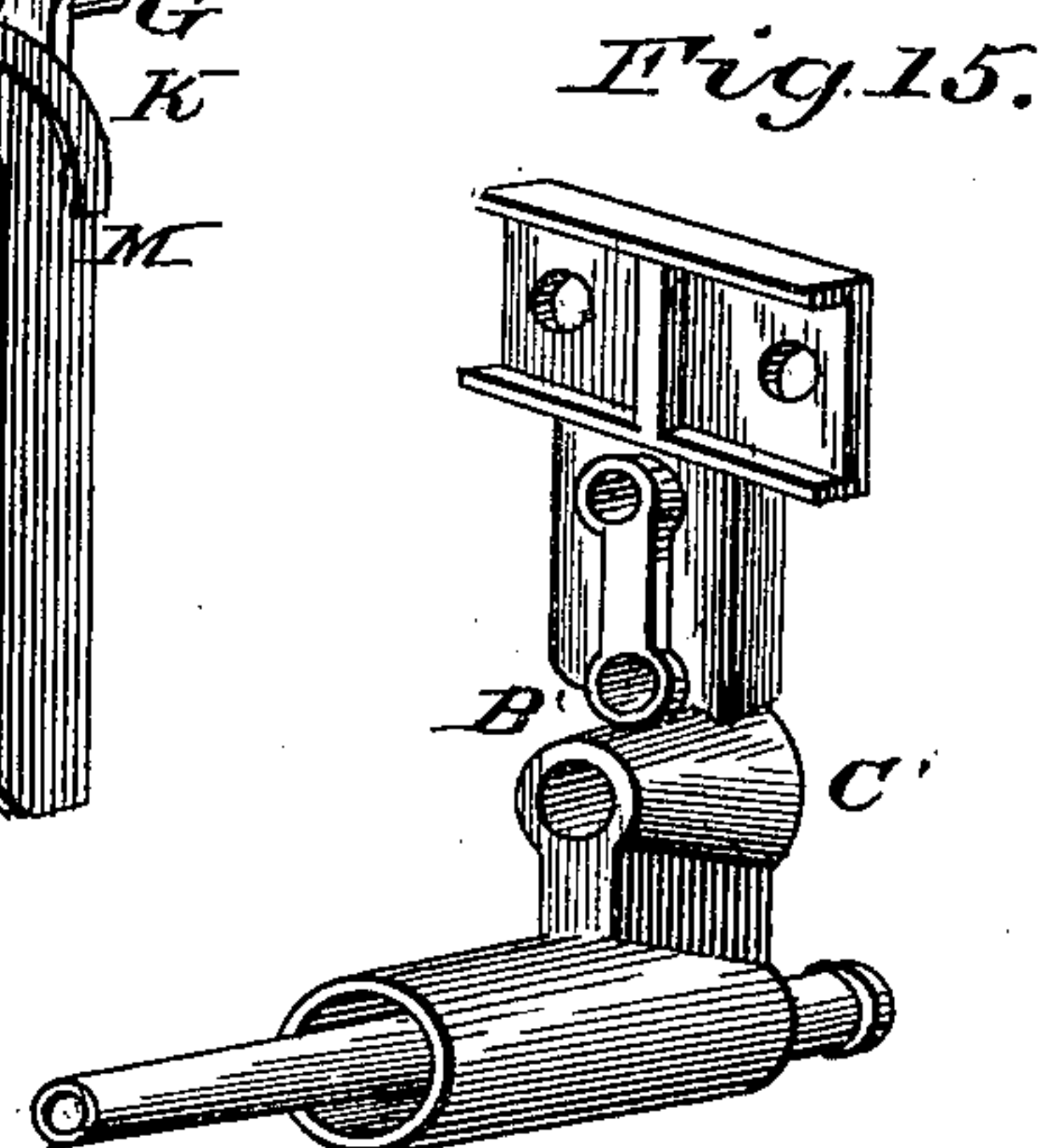
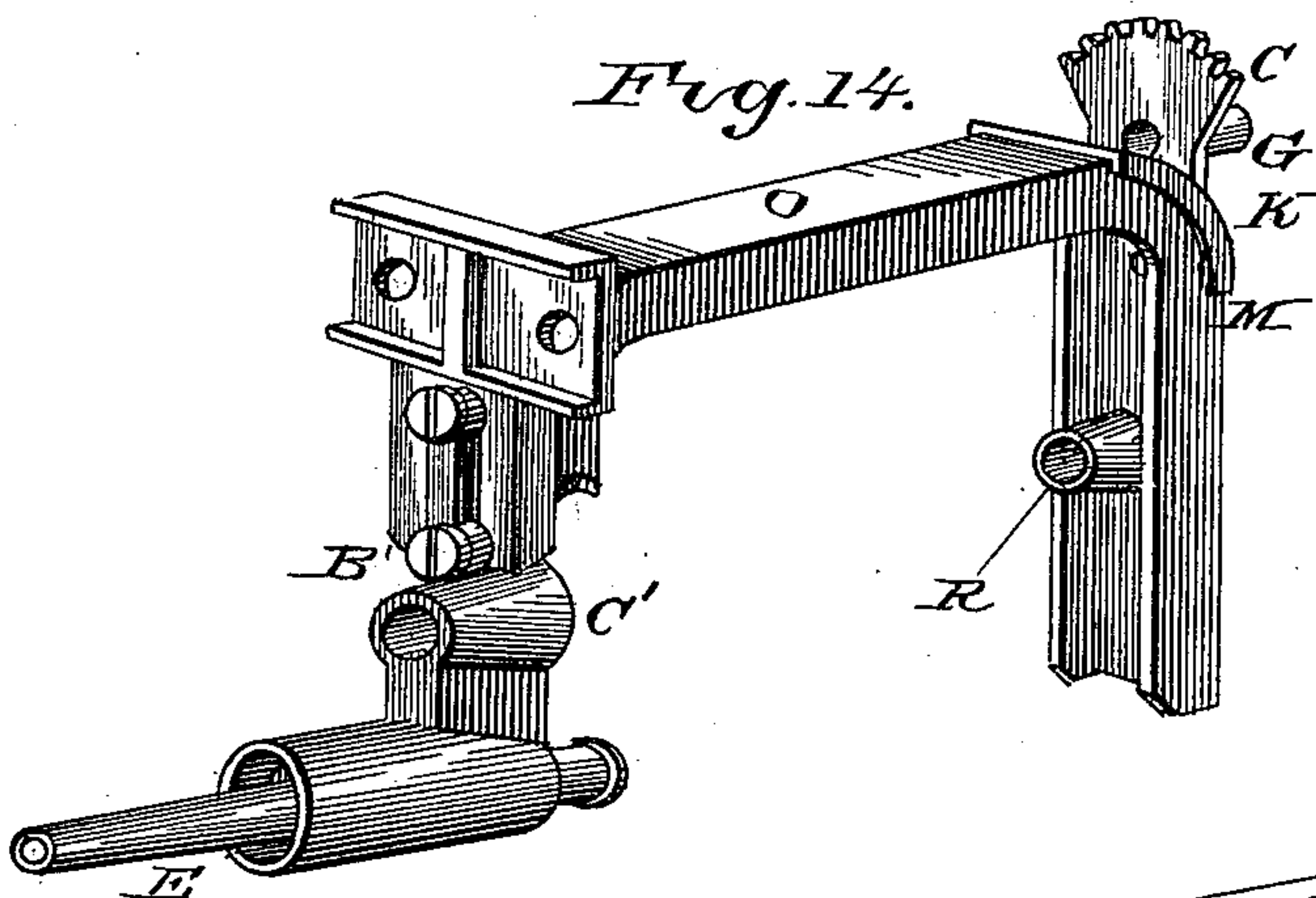
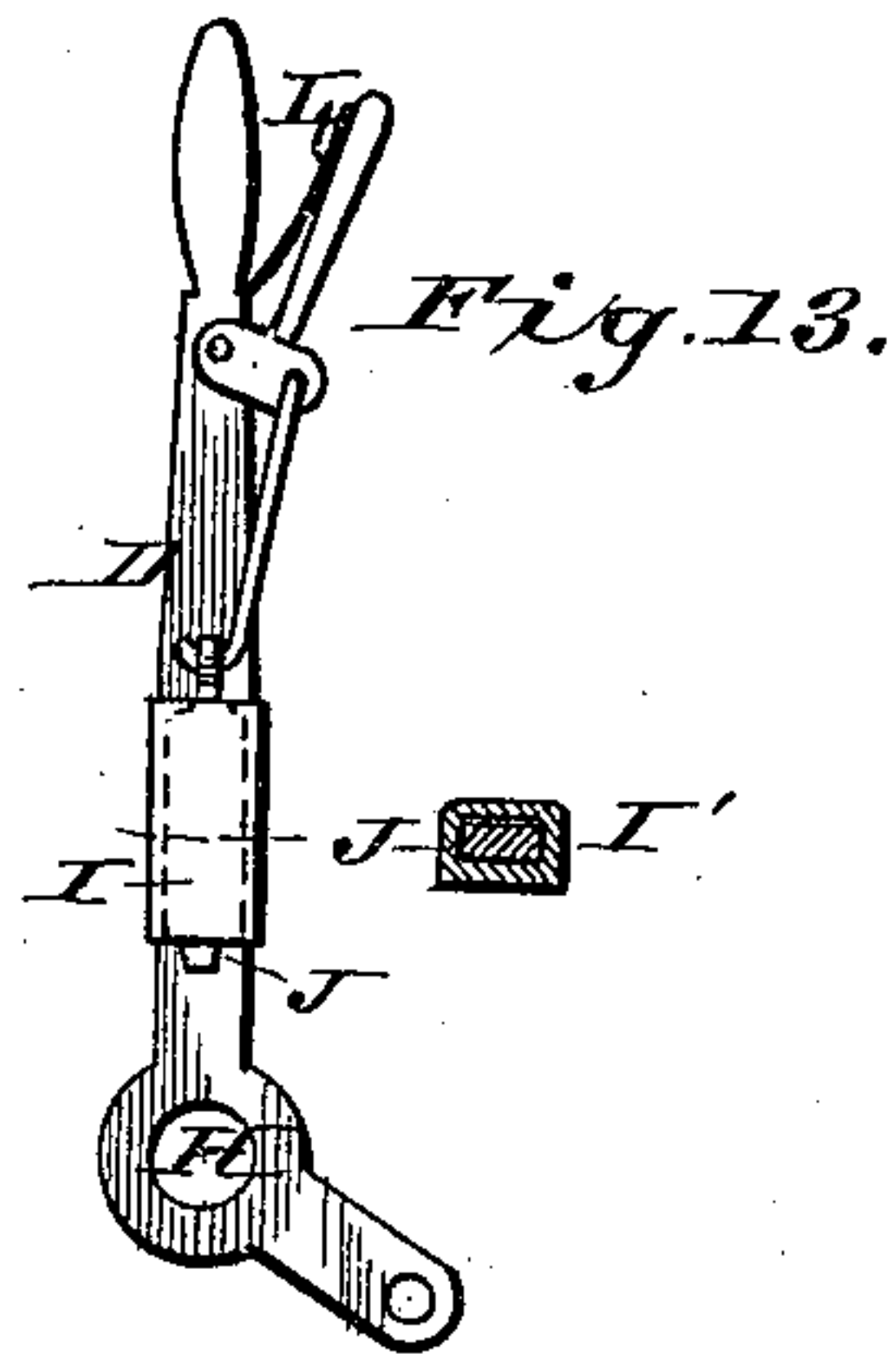
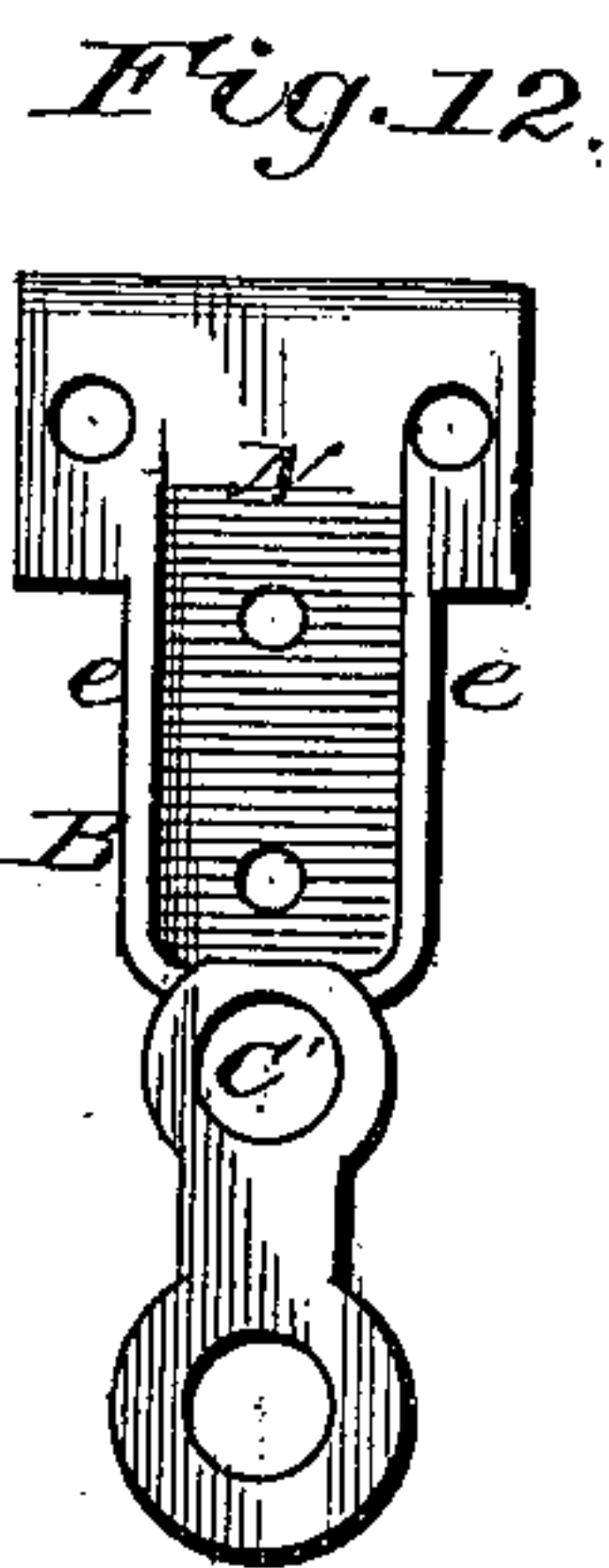
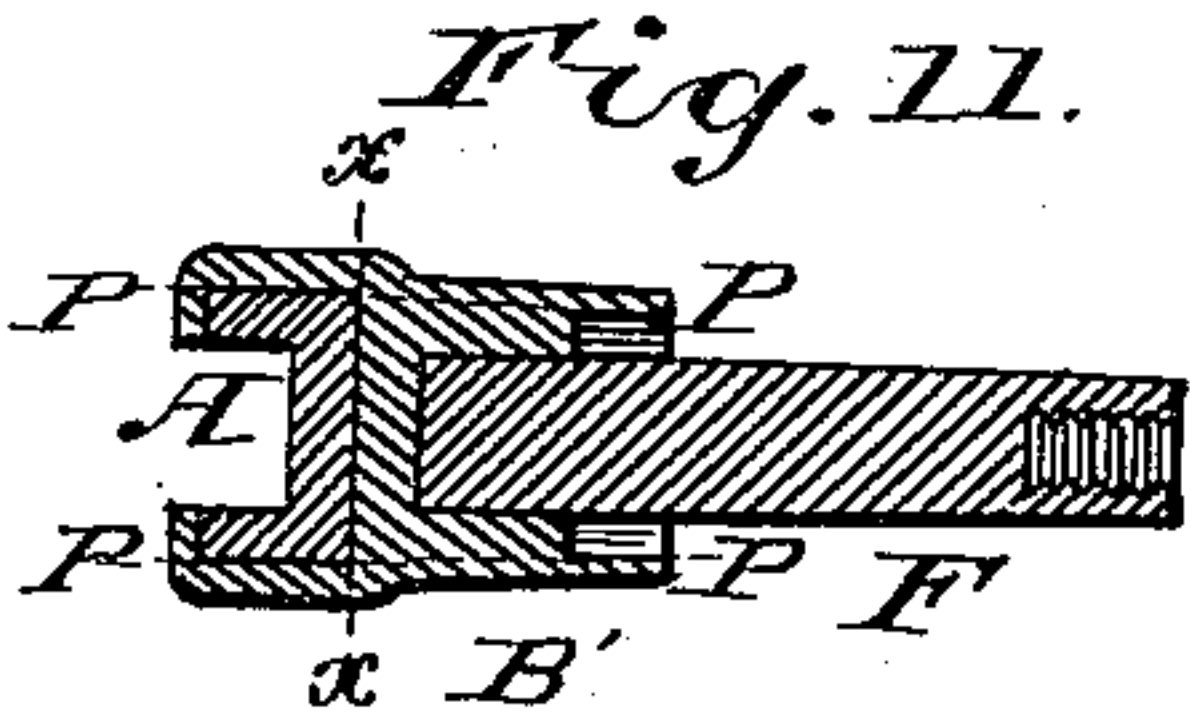
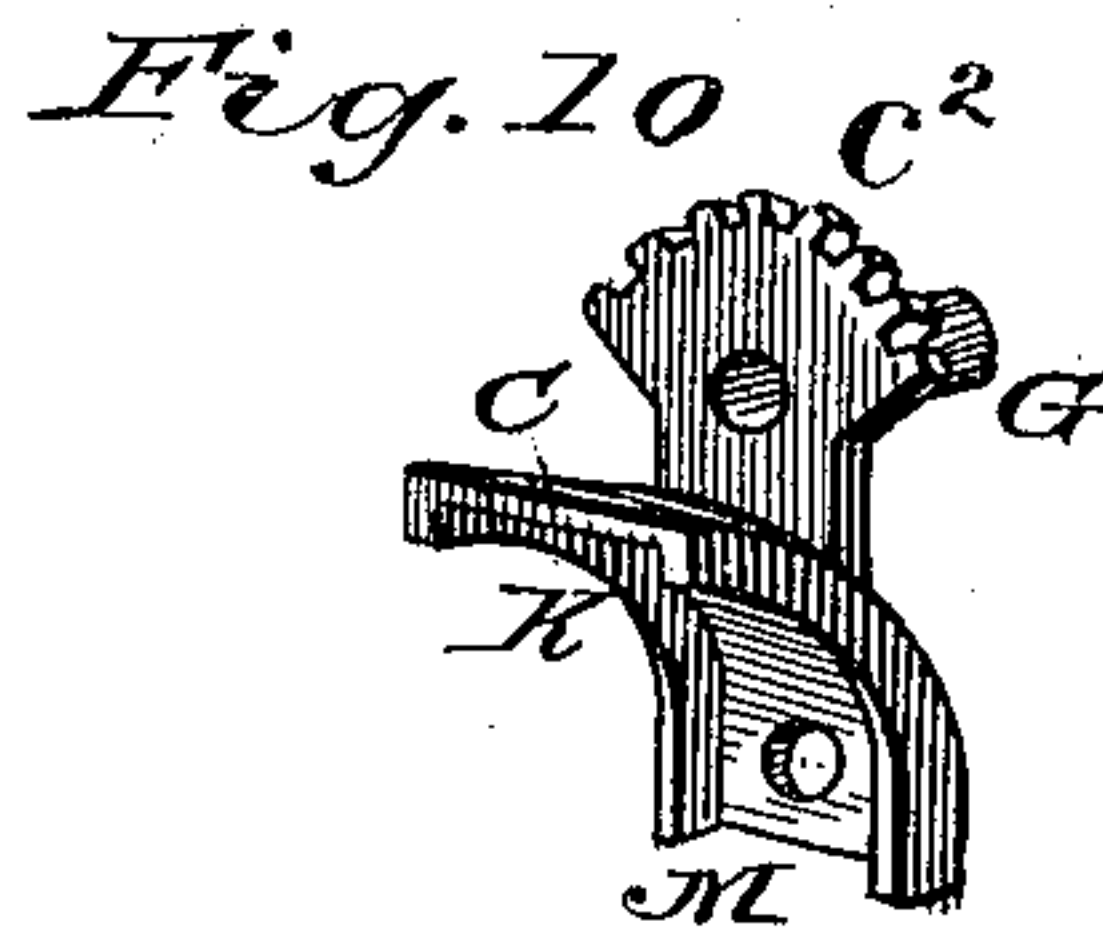
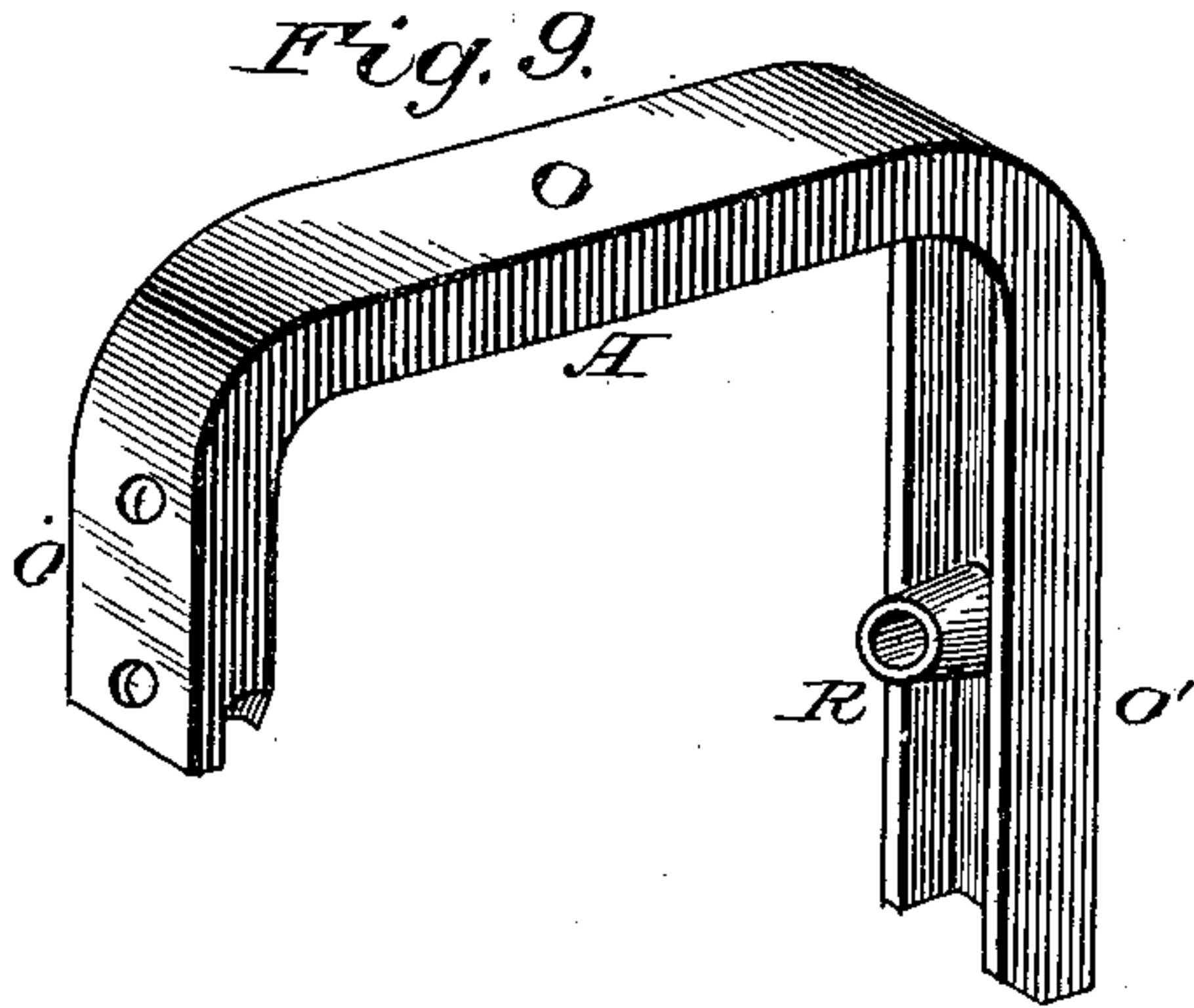
(No Model.)

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F. B. HUNT.  
SULKY PLOW.

No. 329,905.

Patented Nov. 10, 1885.



WITNESSES:

*Ad. S. Dieterich.*  
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INVENTOR.

*Franklin B. Hunt*



# UNITED STATES PATENT OFFICE.

FRANKLIN B. HUNT, OF RICHMOND, INDIANA, ASSIGNOR TO THE RICHMOND  
SULKY PLOW COMPANY, OF SAME PLACE.

## SULKY-PLOW.

SPECIFICATION forming part of Letters Patent No. 329,905, dated November 10, 1885.

Application filed September 5, 1884. Serial No. 142,273. (No model.)

*To all whom it may concern:*

Be it known that I, FRANKLIN B. HUNT, of Richmond, in the county of Wayne and State of Indiana, have invented certain new and useful Improvements in Sulky-Plows, of which the following is a specification.

This invention relates to sulky-plows; and it consists in certain details of construction and combinations of parts, as hereinafter described, and particularly pointed out in the claims.

The object of the invention is to improve plows of this class, especially such as are shown in my Patent No. 256,695, of April 18, 1882.

In the drawings, Figure 1 is a side elevation of the right-hand side of the plow, showing plow raised. Fig. 2 is an elevation of left-hand side with plow lowered. Fig. 3 is a perspective view of the oscillator through which the plow-beam passes and receives oblique adjustment. Fig. 4 is a perspective of the hanger, which is attached to the crank or bail. Fig. 5 is a longitudinal section of the oscillator. Fig. 6 is a vertical longitudinal section of the lever and connections by which the plow is elevated. Fig. 7 is a side view, partly in section, of same apparatus, parts being broken away in Figs. 6 and 7. Fig. 8 is a perspective of the quadrant cast in a single piece and bearing the pivot-pin for the lifting-lever. Fig. 9 is a perspective view of the arch. Fig. 10 is a perspective of the quadrant for adjusting the land-wheel, attached to the arch, part of the arch being broken away. Fig. 11 is a longitudinal section of the land-wheel axle and a cross-section through the vertical part of the arch. Fig. 12 is a plan view of the furrow-wheel axle-support. Fig. 13 a plan view of the lever and its attachments for adjusting the land-wheel. Fig. 14 is a perspective of the arch complete with parts shown in Fig. 10 attached. Fig. 15 is a perspective of the furrow-wheel support detached from the arch.

A represents the arch, which supports the seat and the working parts of the plow when in raised position. A collar or oscillator, 1, around the beam 2 of the plow, has a passage, 3, for the bail 4, and by the swinging of this bail the vertical position of the plow is determined. An arm, 5, attached to the end of the

bail, is connected by the link 6 to the end of lever 8. This lever 8 has a bolt, 9, controlled by hand-grasp 10. The bolt 9 engages teeth 11 on sector 12, so as to hold the lever in any desired position. Thus by the operation of the lever 8 the bail which supports the plow may be swung, and the plow raised or lowered. The bail 4 has bearings in boss R of the arch. A quadrant, C, having a lug, G, cast thereon, is secured to one side of the arch A, and a lever, D, is pivoted on this lug, which passes through a hole, H, in the lever. The sleeve or socket I is cast integral with lever D, as shown at I', and forms a bearing for latch J, which latch is thus in position to engage with the teeth C<sup>2</sup> on segment C. The latch J is operated by handle L in the usual manner.

The land-wheel 100 turns on the axle F, which is held in axle-support B, which support has a recess, N, and side flanges, e e, which flanges embrace the sides of the arch A at the part O'.

A link, 16, connected with the axle-support B, is also connected with the lower end of bell-crank lever D, thus forming with such lever a toggle-joint. The movement of lever D on its pivot will thus serve to raise or lower the axle-support B, and with it the land-wheel, and the wheel will be held at any desired height within the limit of its movement by the engagement of bolt J with the quadrant.

The sliding axle-support B' has bearings on the arch in two directions, as shown by the lines P P and x x, Fig. 11.

The bail 4 has its bearings in boxes C C' in the axle-supports.

The arch A is formed of channel-iron bent over a former. The bearing R for the bail is made separate, and has flanges which are bolted to the arch. The tongue-timber 20 is bolted beneath the arch, as shown in Figs. 1 and 2, and the seat or saddle 21 is supported on spring 22 in usual manner.

The rocker-lever 23, having a foot-rest, 24, has a friction-roll, 25, which lies beneath the bail 4 at one side of the plow. This lever 23 has its pivotal bearing on either axle, and the rider, by throwing his weight on the lever, may assist in raising the plow.

The oscillator shown in Figs. 3, 4, and 5 is described and claimed in my patent hereinbefore referred to.

I claim—

- 5 1. The axle-support B, having recess N and flanges *e e*, in combination with the arch A, and the toggle-lever, and securing-catch, substantially as described.
2. The combination, with the arch, of the  
10 bail 4, the collar swiveled thereon, the plow-beam passing through said collar, the hand-lever attached to a rigid arm on the bail, and the foot-lever pivoted on the axle and having one end under the bail, so that the foot-lever  
15 may aid the hand-lever in raising said bail and plow, substantially as shown.
3. In a sulky-plow, the combination, with

the arch A, formed of channel-iron, and provided with axle-supports B B', of the quadrant C, having a lug, G, and a flanged support, K, 20 said quadrant, lug, and support being cast integral, substantially as shown and described.

4. In a sulky-plow, the combination, with the channeled arch A, of the furrow-wheel-axle support B, provided with recess N and 25 flanges *e e*, and the land-wheel-axle support B', having bearings on the vertical part of the arch in the direction of the lines P P and *x x*, substantially as described.

FRANKLIN B. HUNT.

Witnesses:

KITTIE MARIE A. ALLEN,  
JOS. A. RYAN.