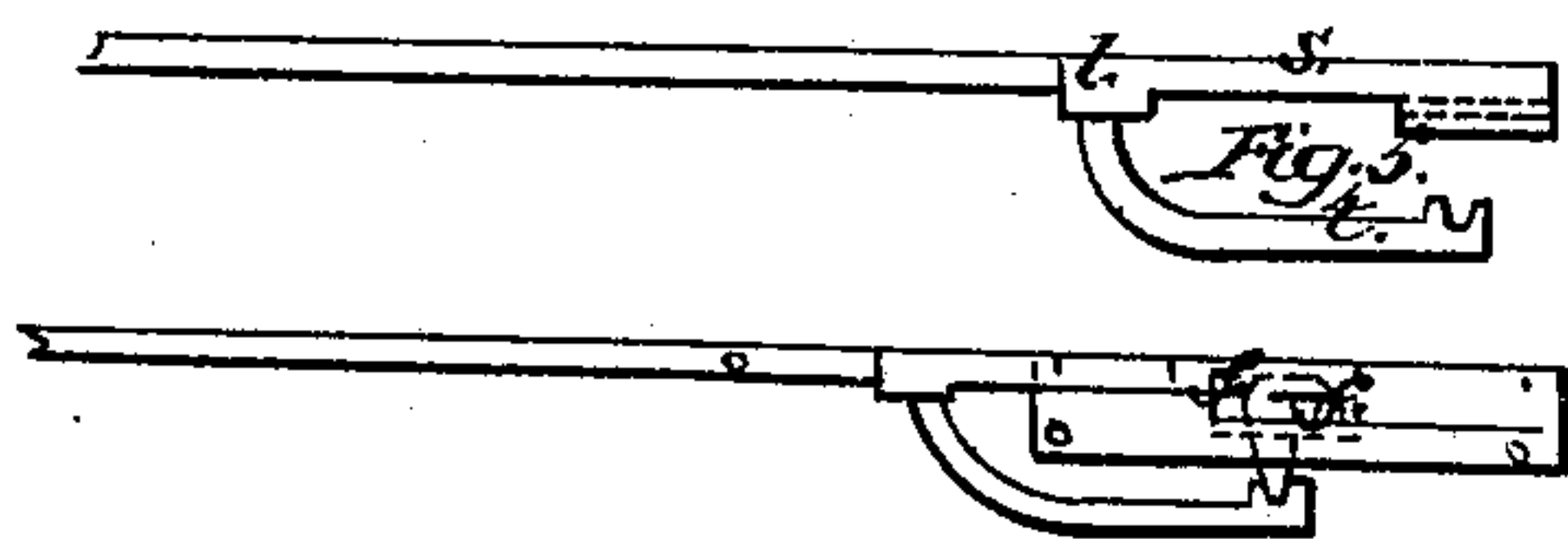
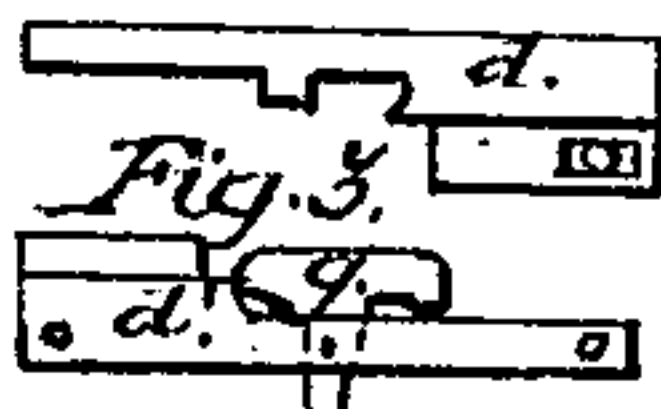
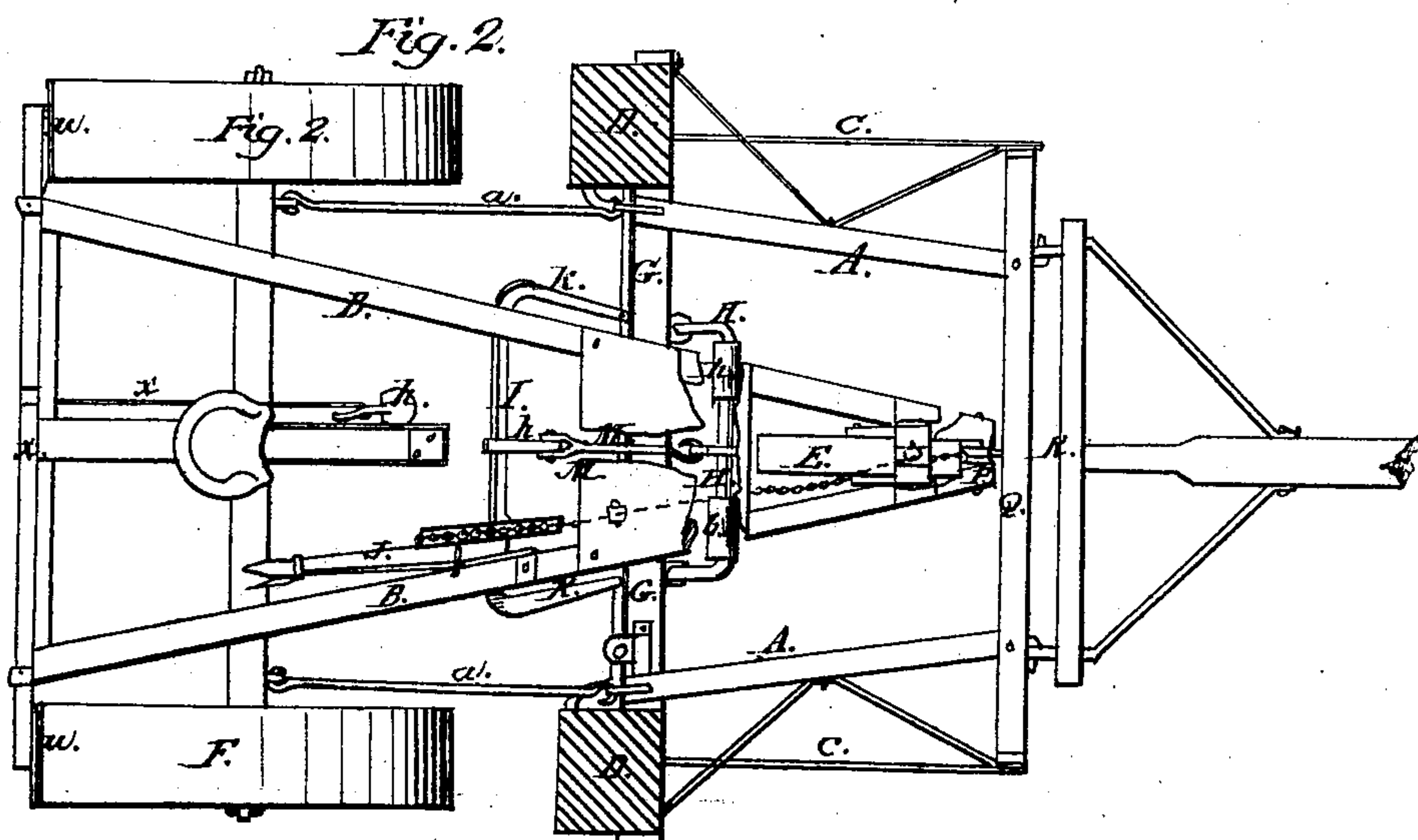
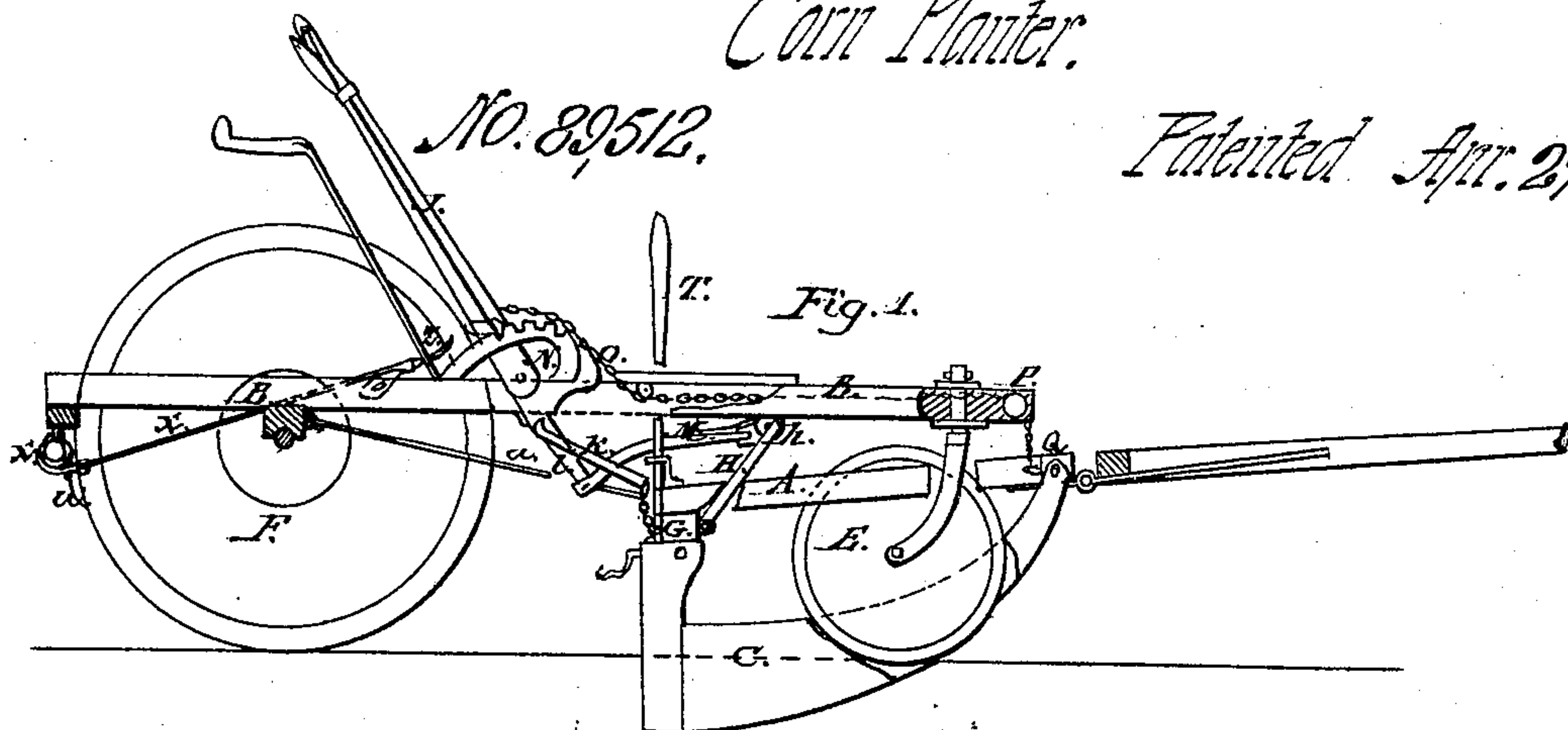


E. & E.C. Slosson,

Corn Planter.

No. 89512.

Patented Apr. 27. 1869.



Witnesses:

G. A. Marmol
R. Marmol

Inventors:

Eugene Slosson
Edwin A. Slosson
per J. B. Tinsley
Attorney

United States Patent Office.

EUGENE SLOSSON AND EDWIN C. SLOSSON, OF VIENNA, ILLINOIS.

Letters Patent No. 89,512, dated April 27, 1869.

IMPROVEMENT IN CORN-PLANTERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, EUGENE SLOSSON and EDWIN C. SLOSSON, of the town of Vienna, in the county of Grundy, and State of Illinois, have invented certain new and useful Improvements in Corn-Planters; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, like letters indicating like parts wherever they occur.

To enable others skilled in the art to construct and use our invention, we will proceed to describe it.

Figure 1 is the elevation, and

Figure 2 is the plan of the machine.

Figure 3 represents the plates, and

Figure 4 the slide of the dropping-device.

Figure 5 is the plan of the dropping-device.

The nature of our invention consists in so arranging the parts of the corn-planter, that the runners would remain always in a horizontal position, or in a position parallel to the surface of the ground, and the pole would not press on the horse's neck.

It consists, also, in the arrangement of the dropping-device, as also in the mode of attaching scrapers to the machine.

Our machine consists of two independent frames, A A, and B B, connected by iron rods, *a a*, hooking into loops.

To the lower frame, A A, runners C C, and boxes D D, are affixed.

The upper frame, B B, of a triangular shape, is supported in front by caster-wheel, E, and in the rear by the covering-wheels F F.

The device to raise or lower the frame A A, and with it the runners, consists in the following:

To the cross-piece G of the frame A A, is hinged an iron frame, H, the upper bar of which is provided with a roller or rollers *h h*.

A horizontal iron bar, I, journaled to the frame B B, and operated by hand-lever J, is provided with arms, K K, connected, by short chains, to the cross-piece G of the frame A A, and is provided, also, with short arm, *l*, coupled with the upper bar of the frame H, by a bent bar, M.

A grooved segment, N, is secured to the bar I and lever J, revolving with them, and a chain, O, secured to the lever J, passes over the segment N, and to the forward end of the frame B B, where it passes over pulley P, and is secured to the cross-piece Q of the frame A A.

By moving the lever J to the front, the frame H is placed into more or less vertical position, pressing the

lower frame, A A, down, and pressing the runners into the ground, the slackened chain O allowing the front part of the frame A A to move down also; and, as the whiffle-tree R is hinged to the cross-piece Q, the pulling of the horses brings the front part of the frame A A down also, so that the runners C C are kept always in a horizontal position, or in a position parallel to the ground, at any desired depth.

The reverse of the above-described motion is obtained when lever J is operated in an opposite direction.

Our dropping-device consists of two plates, *d d'*, arranged as represented on fig. 3, which, by being partially superposed, one over the other, as on fig. 4, form two cells, *f f*, for the kernels.

Cam *g*, pinned to the under side of plate *d'*, closes one cell after another alternately, being operated by the slide *l*, operated, in its turn, by the hand-lever T.

The slide *l*, represented on fig. 5, consists of two arms, one of which, *s*, opens the cells alternately, and admits grain into them from the hopper D, while the other arm, *t*, is connected with cam *g*, and operates the same.

The plate *d* is provided with a slot where bolt *r* is passing, and, therefore, can be adjusted so as to make the cells smaller or larger. The device operates in the best manner, and never cuts the grain.

We attach the scrapers U U to the bar X, hinged to the rear of the frame B B, and operated by rod Y, hinged to said bar, and connected with foot-lever Z, pinned to the frame B B, and operated by the foot of the driver.

What we claim as new, and desire to secure by Letters Patent, is—

1. The caster-wheel E, when applied to the corn-planter's frame, in the manner substantially as and for the purposes herein shown and described.

2. The raising and lowering-device, consisting of frame H, bar I, arm L, and bar M, as also segment N, chain O, and pulley P, or their equivalents, all arranged and operating substantially as set forth.

3. The dropping-device, consisting of plates *d d'*, cam *g*, and slide *l*, arranged and operating as herein described and specified.

4. The manner of attaching scrapers U U to the machine, and operating the same, substantially as set forth.

EUGENE SLOSSON.
EDWIN C. SLOSSON.

Witnesses:

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