

(No Model.)

D. M. PARRY.
PLANTER.

No. 374,316.

Patented Dec. 6, 1887.

Fig. 1.

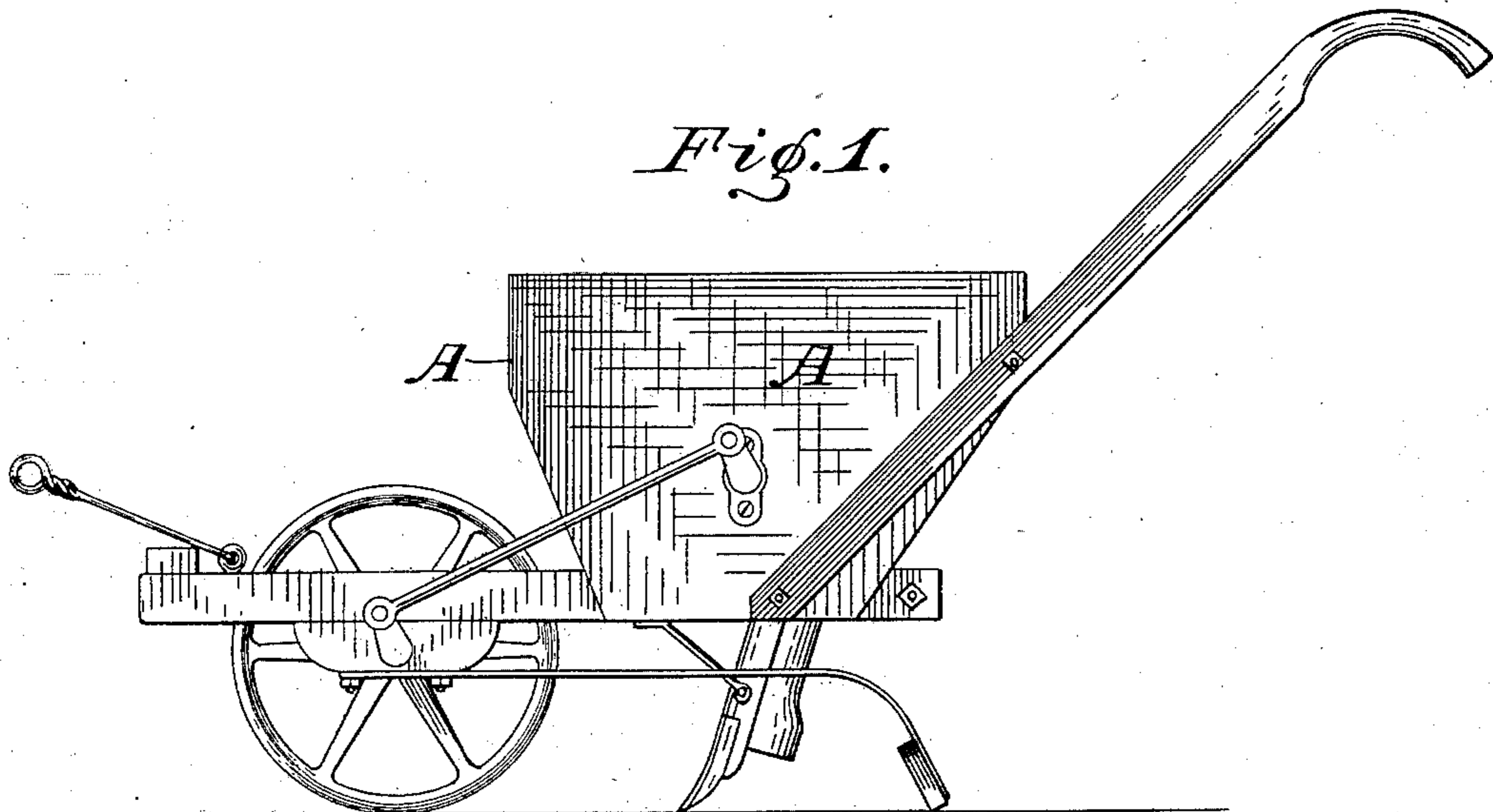


Fig. 2.

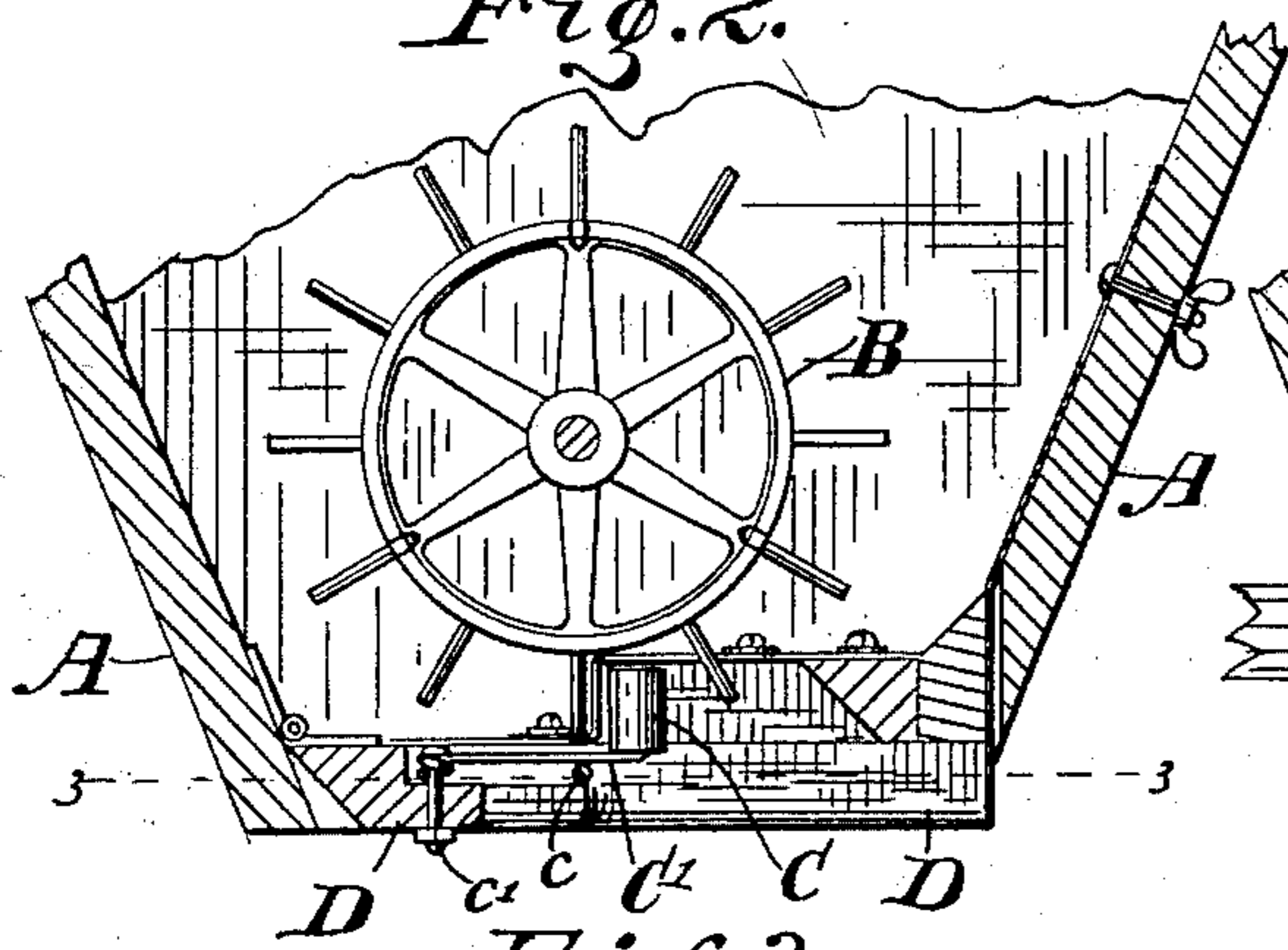


Fig. 4.

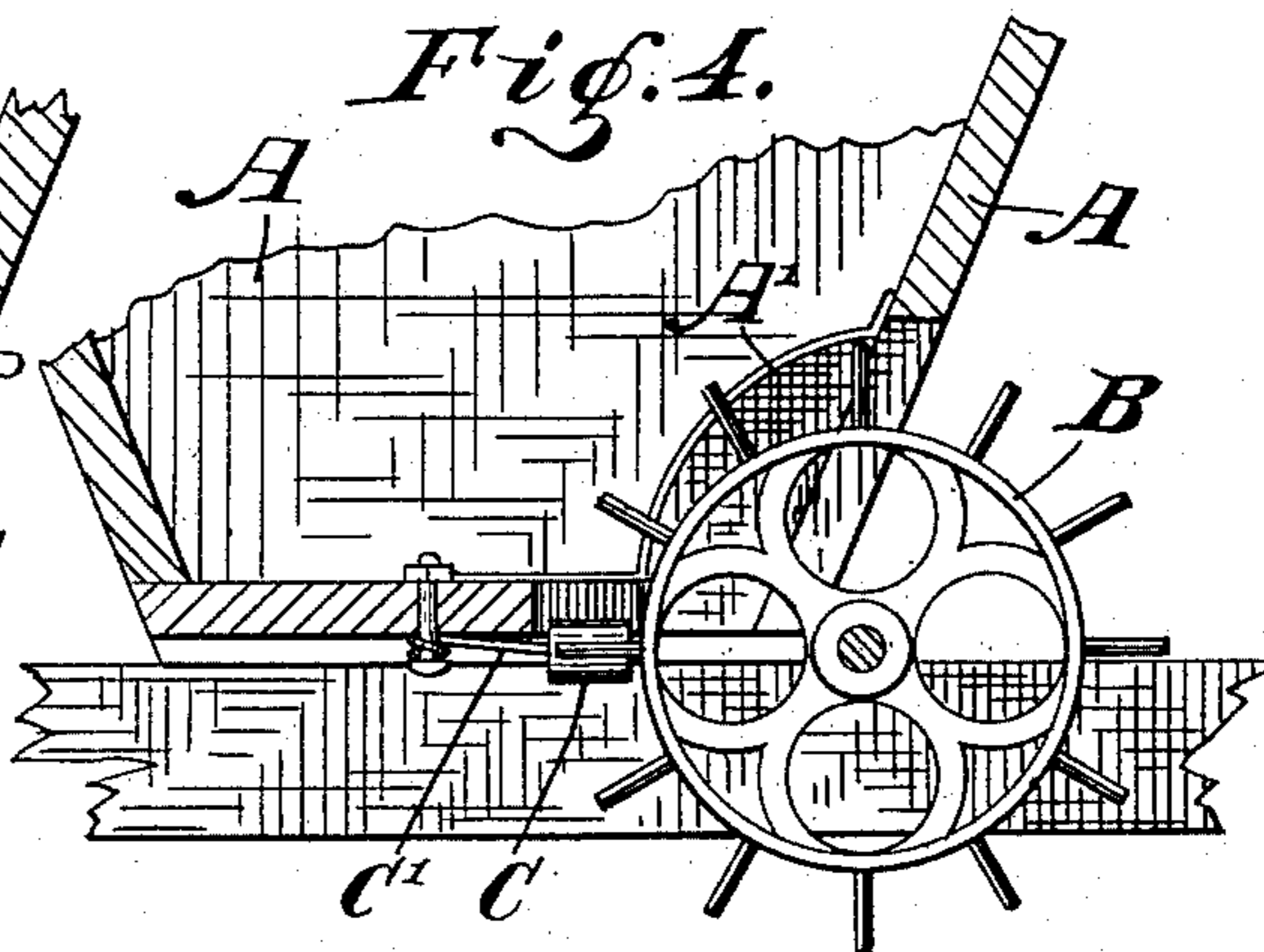


Fig. 3.

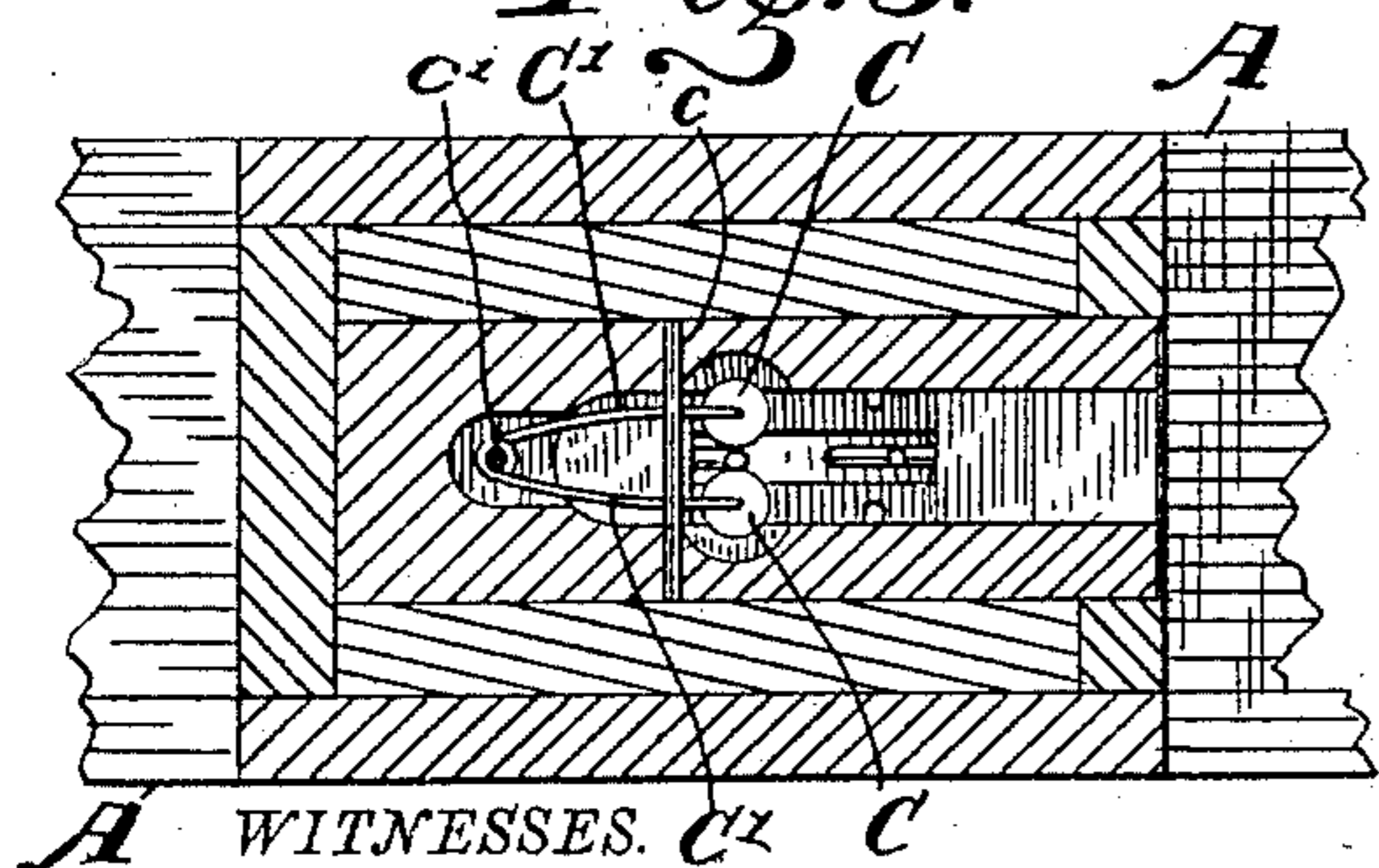
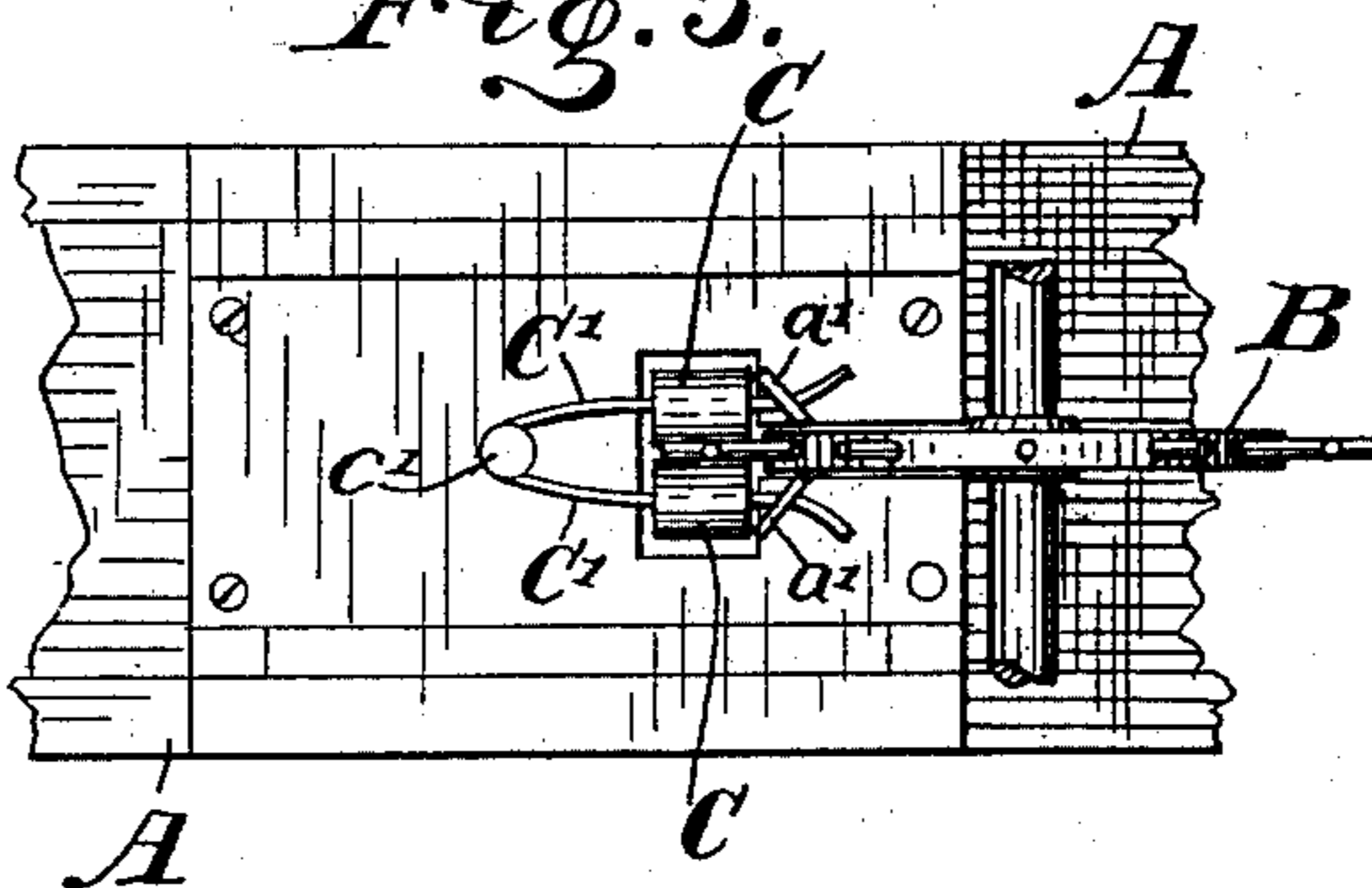


Fig. 5.



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UNITED STATES PATENT OFFICE.

DAVID M. PARRY, OF INDIANAPOLIS, INDIANA.

PLANTER.

SPECIFICATION forming part of Letters Patent No. 374,316, dated December 6, 1887.

Application filed July 26, 1887. Serial No. 245,328. (No model.)

To all whom it may concern:

Be it known that I, DAVID M. PARRY, of the city of Indianapolis, county of Marion, and State of Indiana, have invented certain new and useful Improvements in Planters, of which the following is a specification.

My said invention is especially adapted to cotton-planters, and it relates to the feeding devices.

It consists in rollers mounted on spring-shafts, (or shafts actuated by springs,) between which the fingers of the feed-wheel pass. These shafts may be arranged in a variety of ways, and two forms are illustrated in the drawings.

Referring to said drawings, which are made a part hereof, and on which similar letters of reference indicate similar parts, Figure 1 is a side elevation of a planter; Fig. 2, a detail sectional view showing my invention; Fig. 3, a horizontal sectional view looking upwardly from the dotted line 3 3 in Fig. 2; Fig. 4, a view similar to Fig. 2, but showing a different arrangement of rollers; and Fig. 5, an under-side plan of the same.

In said drawings the portions marked A represent the hopper or feed-box of the planter; B, the feed-wheel; C, the feed-rollers, and D a hinged or adjustable bottom by which the feed-rollers may be moved farther from or nearer to the feed-wheel.

The hopper or seed-box A is or may be similar in construction to those of other planters of this character.

The feed-wheel B in the principal construction shown is mounted on a shaft which runs through this box, and is driven by cranks and connecting-rods connecting it to the shaft of the ground-wheel. Its teeth pass down through a slot in the bottom and between the feed-rollers C, as shown.

The feed-rollers C are mounted on spring-shafts C', which are preferably, as shown, formed of a wire coiled about a pivot, c', and carrying the rollers C at or near their free ends. Said ends are shown as bent up at right angles with their other portions in the princi-

pal construction, so that the rollers C occupy a vertical position. They may, however, continue out substantially straight, as shown in Figs. 4 and 5, when the feed-wheel is suitably located relatively thereto, without departing from my invention, or, in fact, be given any other appropriate position. The shafts might also be in themselves rigid and actuated by springs, if desired. In the principal construction these spring-shafts are shown as supported by a cross rod or bar, c, and in the alternate construction they are shown as passing through slots or elongated eyes in projections a', extending from the shield A' which covers the feed-wheel. Instead of these projections a', staples might be used, or any other device which would support the shafts in position; but in either of the several arrangements the rollers are so mounted that they are always parallel with each other and the springs arranged to hold them together, so that they will serve as an effectual cut-off.

I am aware that hinged curved arms have been used in the place of the herein-described rollers, and that rollers mounted on shafts branching out from a main stem at an angle with each other have also been used in connection with a feeding device for planters; but I do not regard my particular construction, as herein shown and claimed, anticipated thereby.

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

In a planter, the combination of the feed-wheel, the feed-rollers C, and spring-shafts on which said rollers are mounted, said shafts and rollers being arranged parallel to each other and to be held together by spring force, substantially as set forth.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 20th day of July, A. D. 1887.

DAVID M. PARRY. [L. s.]

In presence of—

C. BRADFORD,

CHARLES L. THURBER.