

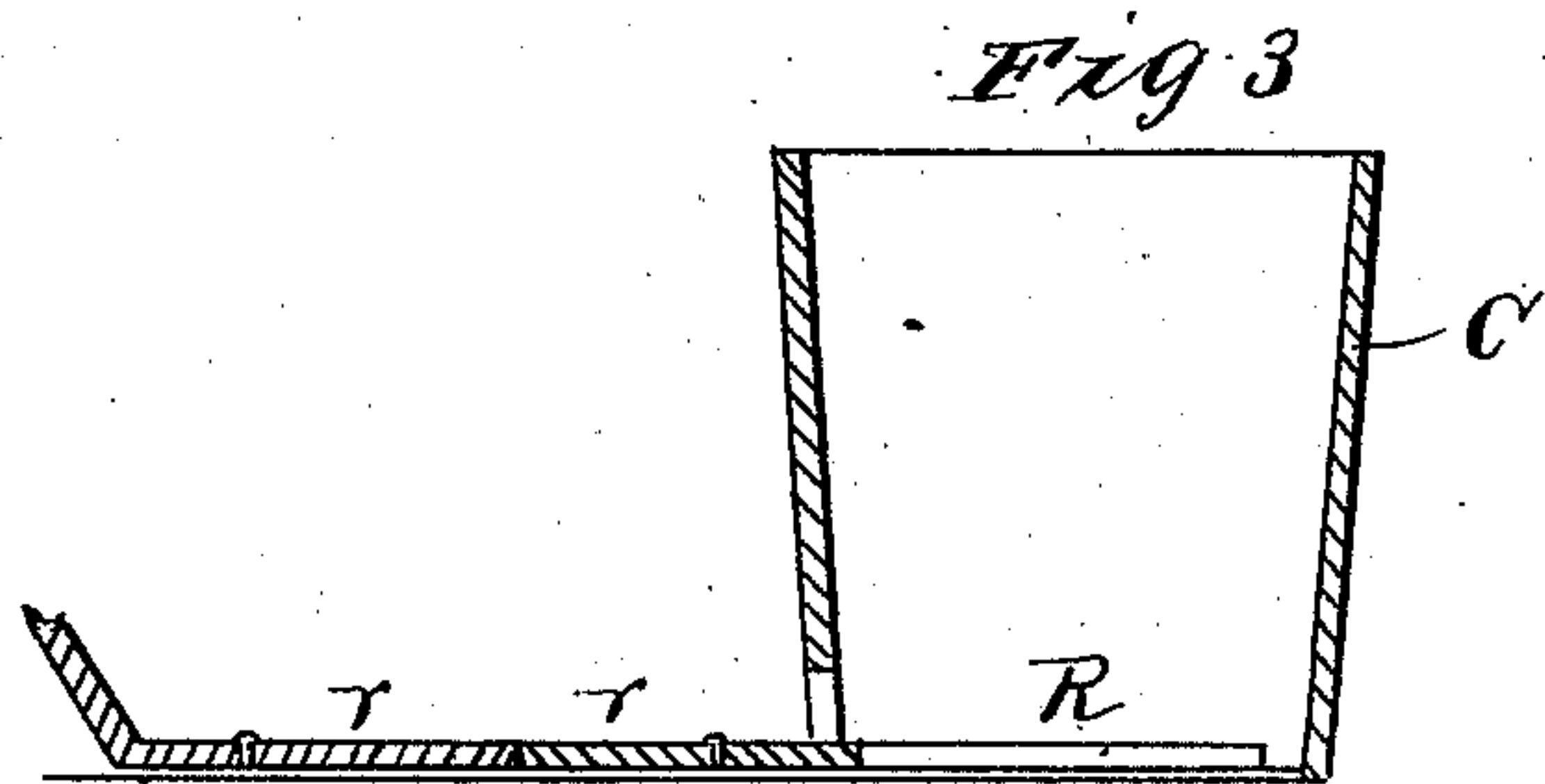
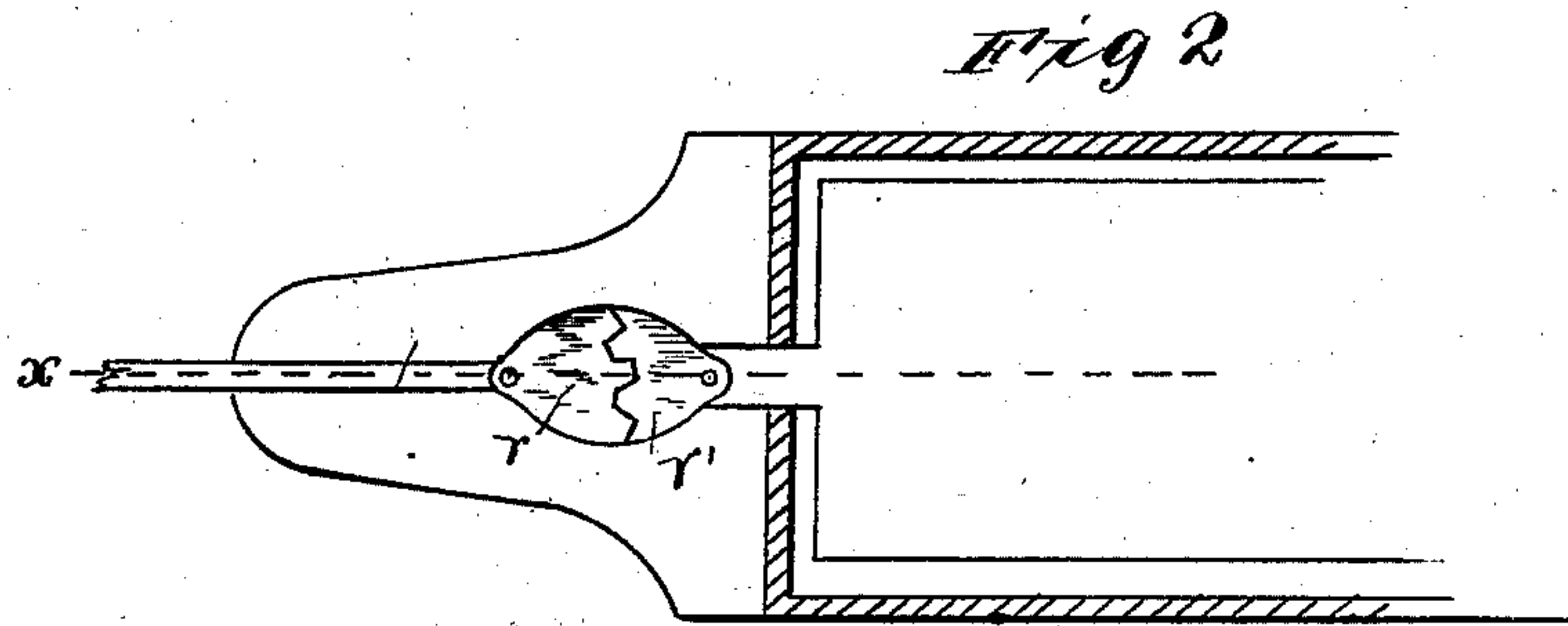
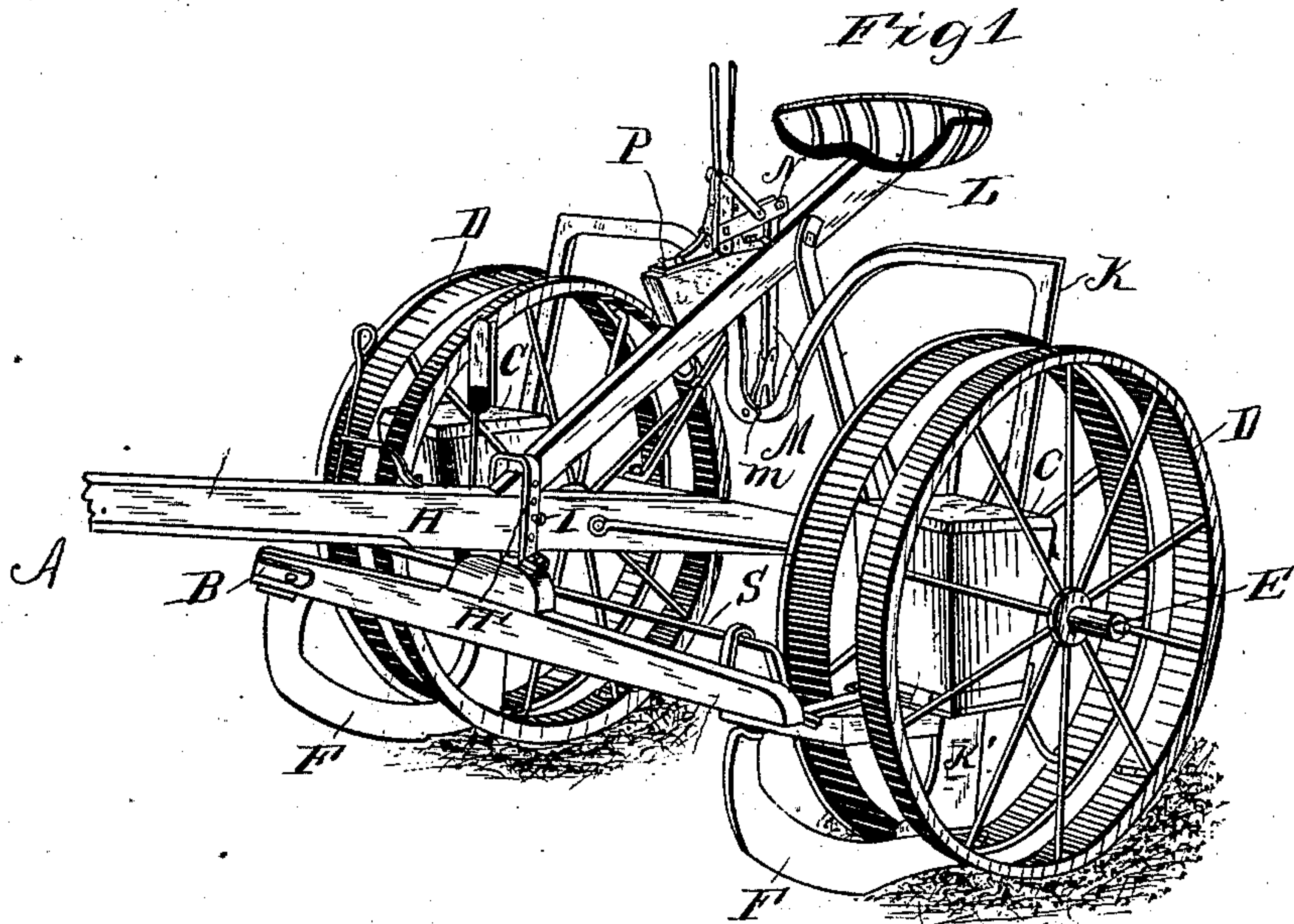
(No Model.)

T. W. ROGERS.

SEED PLANTER.

No. 305,111.

Patented Sept. 16, 1884.



WITNESSES

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his

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# UNITED STATES PATENT OFFICE.

THOMAS W. ROGERS, OF GALESBURG, ILLINOIS.

## SEED-PLANTER.

SPECIFICATION forming part of Letters Patent No. 305,111, dated September 16, 1884.

Application filed January 3, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS W. ROGERS, a citizen of the United States, residing at Galesburg, in the county of Knox and State of Illinois, have invented certain new and useful Improvements in Seed-Planters, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain improvements in seed-planters; and it consists in certain new combinations and arrangements of parts, and improved means for operating the same, as more fully hereinafter set forth, and specifically pointed out in the claims appended.

In the accompanying drawings, Figure 1 represents a perspective view of my improved planter. Fig. 2 is a vertical sectional view taken through one of the seed-hoppers, and Fig. 3 is a horizontal sectional view taken on the lines *x x* of the hopper.

The letter A indicates the tongue of my planter, which connects near its rear end with a cross-beam, B, the two, with the seed-hoppers C, constituting the main frame of the machine.

The letter D indicates the wheels, two being employed at each side of the planter, as shown. These are mounted on the axles E, at some distance apart, the seed-hoppers at the opposite sides respectively sitting between the wheels, as shown.

The letter F indicates the runners or furrow-openers, which at their forward ends are secured to the beam B, braced to the tongue by means of an adjustable brace, H', and screw-bolts I. The rear ends of the runners are connected by means of standards K' to a frame, K, which extends upward and passes under the inclined beam L, which supports the seat. The frame is constructed in two parts pivoted at *m*, so that the runners may be capable of an independent movement in their adjustment. To said frame is attached a link, M, which connects with an angle-lever, N, fulcrumed to a block, P, on the beam L, which is provided with a suitable stop-latch, whereby the runners may be raised or low-

ered. The runners extend between the wheels at the sides, below the seed-hoppers, as shown.

The letter R indicates the seed-plates, which are each operated by two small levers, *r r'*, which are provided with intermeshing segmental cogged gears and fulcrumed in front of the lower part of the hoppers in such manner that when the short ones are turned to the right or left the long ones will be turned in the opposite direction and operate the seed-plates with which they are connected. The long levers are connected with a transversely-sliding rod, S, extending across the front of the frame, which is moved by a lever back and forth to operate the levers *r r'*, before mentioned.

It will be perceived that as thus constructed the parts are all supported at the forward part of the planter, thus dispensing with the usual rear supports, simplifying the machine, and rendering it more convenient to operate, and that the runners may be readily and conveniently raised and lowered, and the seed-plates efficiently operated.

The seed-plate mechanism is equally adapted to rotary drop corn-planters or check-rowers, and hence I do not limit myself to its use in any particular class of machines.

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

1. The combination, with the wheels, arranged as described, of the seed-hoppers and runners arranged between the wheels at each side, substantially as specified.

2. The combination, with the runners and frame for supporting the same, of the frame K, consisting of the two parts, as shown, pivoted at *m*, the link M, angle-lever N, and hand-lever for raising and lowering the runners, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS W. ROGERS.

Witnesses:

A. C. MASON,  
W. F. TAIT.