

(No Model.)

P. SCHLOSSER.

TIRE APPARATUS.

No. 397,390.

Patented Feb. 5, 1889.

Fig. 1.

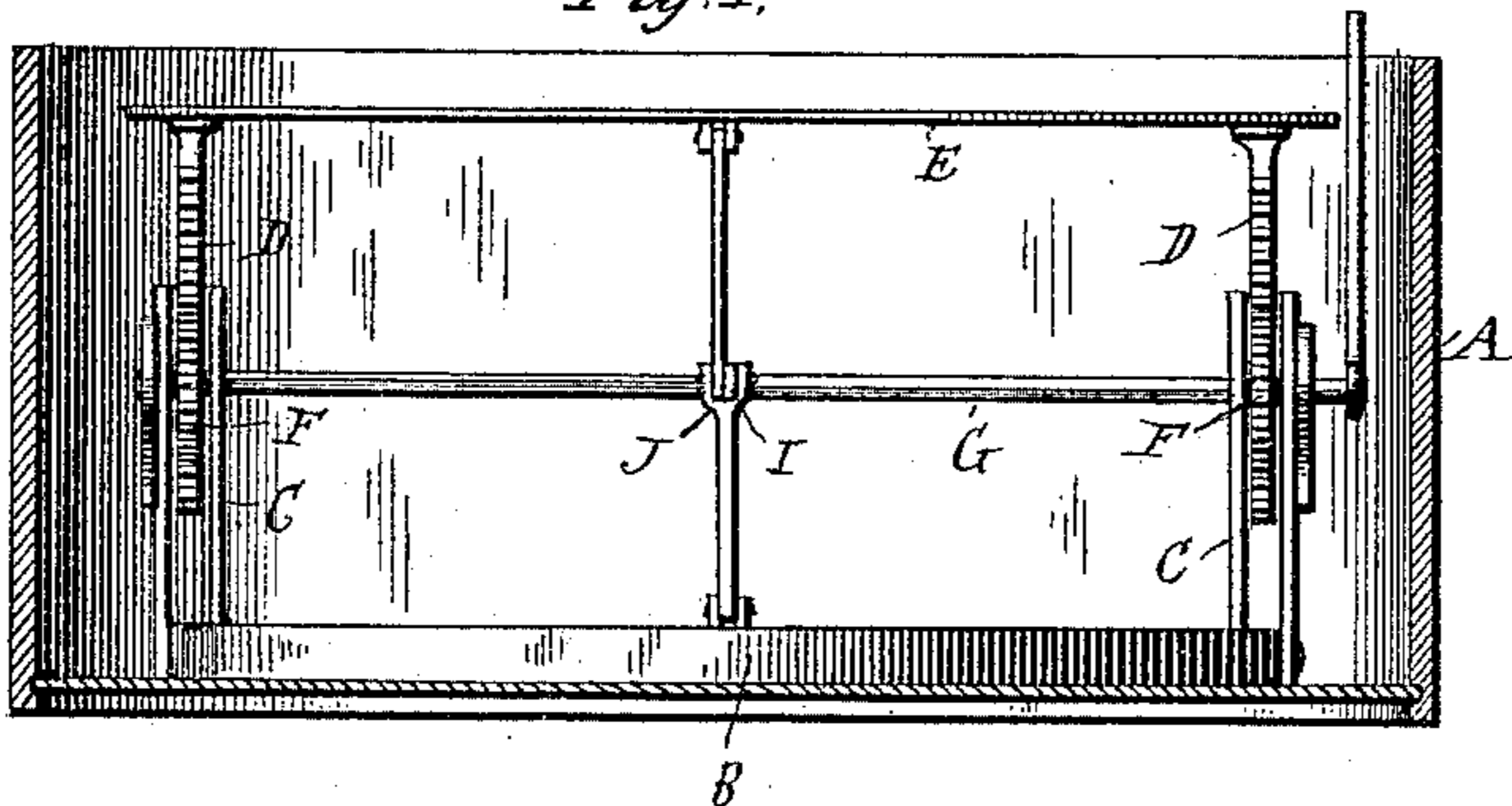


Fig. 2.

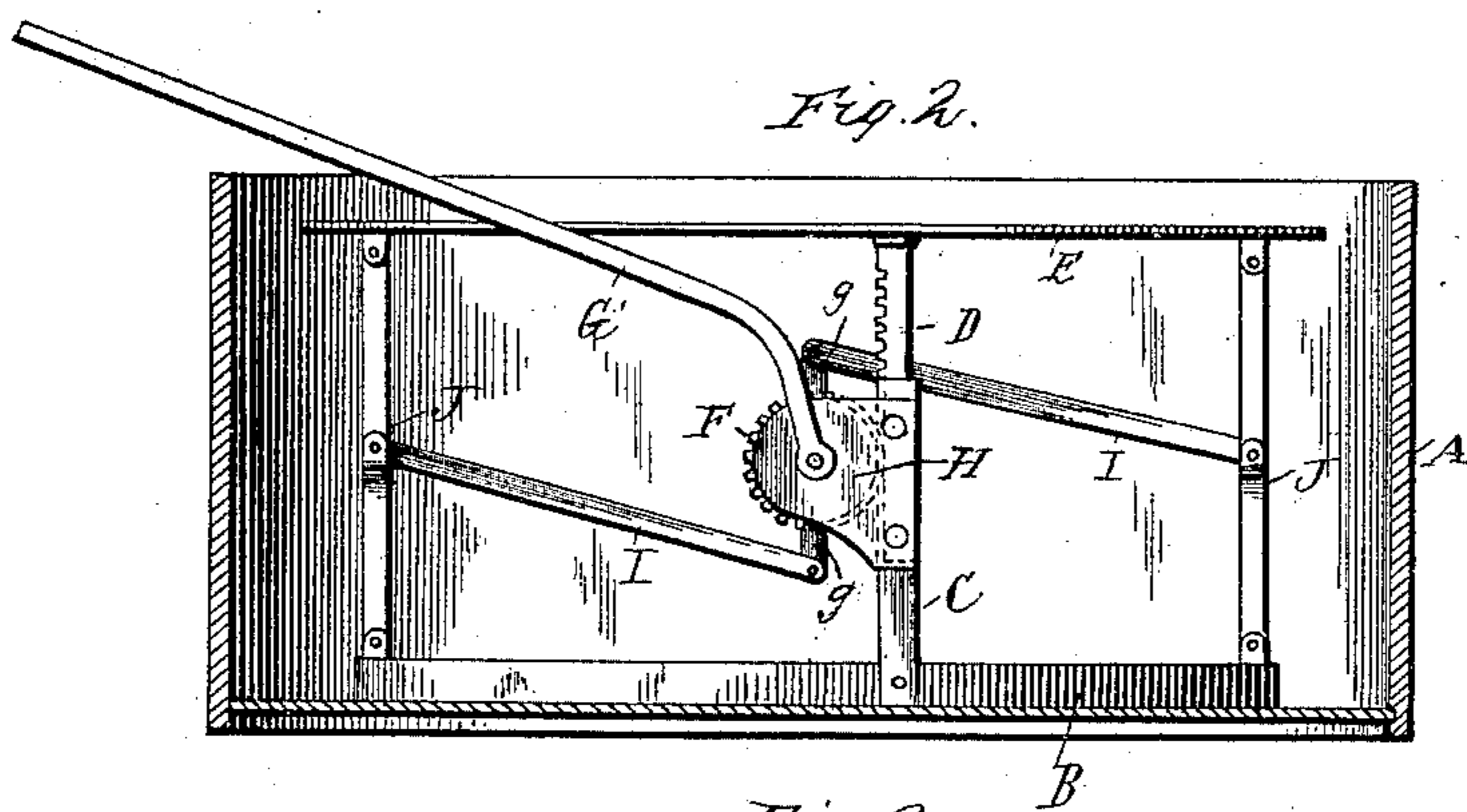
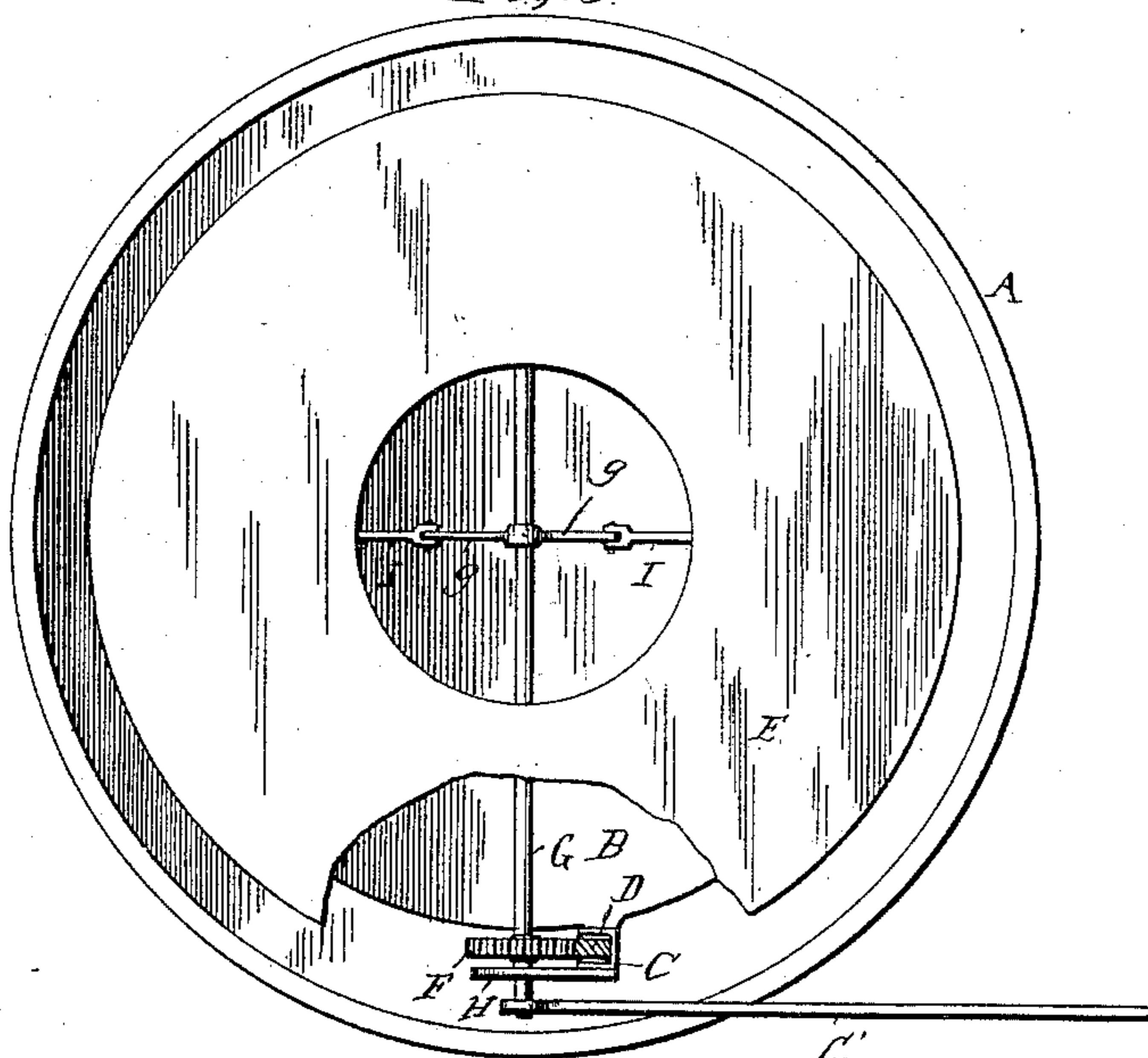


Fig. 3.



WITNESSES:
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UNITED STATES PATENT OFFICE.

PETER SCHLOSSER, OF DEFIANCE, OHIO.

TIRE APPARATUS.

SPECIFICATION forming part of Letters Patent No. 397,390, dated February 5, 1889.

Application filed June 28, 1888. Serial No. 278,464. (No model.)

To all whom it may concern:

Be it known that I, PETER SCHLOSSER, a citizen of the United States, residing at Defiance, in the county of Defiance and State of Ohio, have invented certain new and useful Improvements in Tire Apparatus, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This improvement relates to that class of tire apparatus in which a table is raised and lowered; and the invention consists in the peculiar construction, arrangement, and combination of parts hereinafter more particularly described, and then definitely pointed out in the claim.

20 In the appended drawings, Figure 1 shows a side elevation of my apparatus with parts of the tub broken away; Fig. 2, a similar view at right angles to that shown in Fig. 1; and Fig. 3 is a plan with part of the table broken away to show the arrangement of the racks, pinions, &c.

25 Referring now to the details of the drawings by letter, A represents a (preferably) cylindrical tub having on its bottom a base, B, from which rise two posts, C, which are substantially U-shaped in cross-section. In each of these posts sets a rack, D, having its upper end attached to a table, E. In each of these racks meshes a pinion, F, rigidly secured upon a shaft, G, journaled in the brackets H, which may either be attached to or formed with the post. The shaft G has a lever, G', and two 35 crank-arms, g, each operating a pitman, I, connected to toggle-joints J, pivoted to the base and table, the whole arrangement being such

that as the pinion operates the crank, and thus raises the table, the cranks operate on the toggle-joints, and by straightening the same help 40 to raise and support the table and hold the same in the raised position.

From the above it will be seen that by turning the lever G' in one direction the pinion operates the rack and the crank-arms 45 bend the toggle-joints, and that the table (with or without the tire placed on the same) will descend into the tub, while a turn of the lever in the opposite direction will cause the pinion to act on the rack and by the simultaneous 50 straightening of the toggle-joints raise and support the table.

It will thus be seen that a cheap, strong, durable, and convenient tire setter and cooler has been produced by my invention, which 55 has but few working parts, and which is therefore not likely to get out of repair.

What I claim as new is—

The combination, in a tire apparatus, of the table E, having racks D, the base B, having hollow posts C, receiving the racks D, and the toggle-joints connected to the base and table, with the shaft G, mounted on the posts C, and having the pinions F, crank-arms g, and lever G', and the connection between the 65 toggle-joints and the arms g, substantially as described.

In testimony whereof I affix my signature, in presence of two witnesses, this 25th day of June, 1888.

PETER SCHLOSSER.

Witnesses:

W. B. PEASLEE,
J. M. REISENDORFER.