

(No Model.)

W. C. HOMAN.

CALL BELL.

No. 337,157.

Patented Mar. 2, 1886.

Fig. 1.

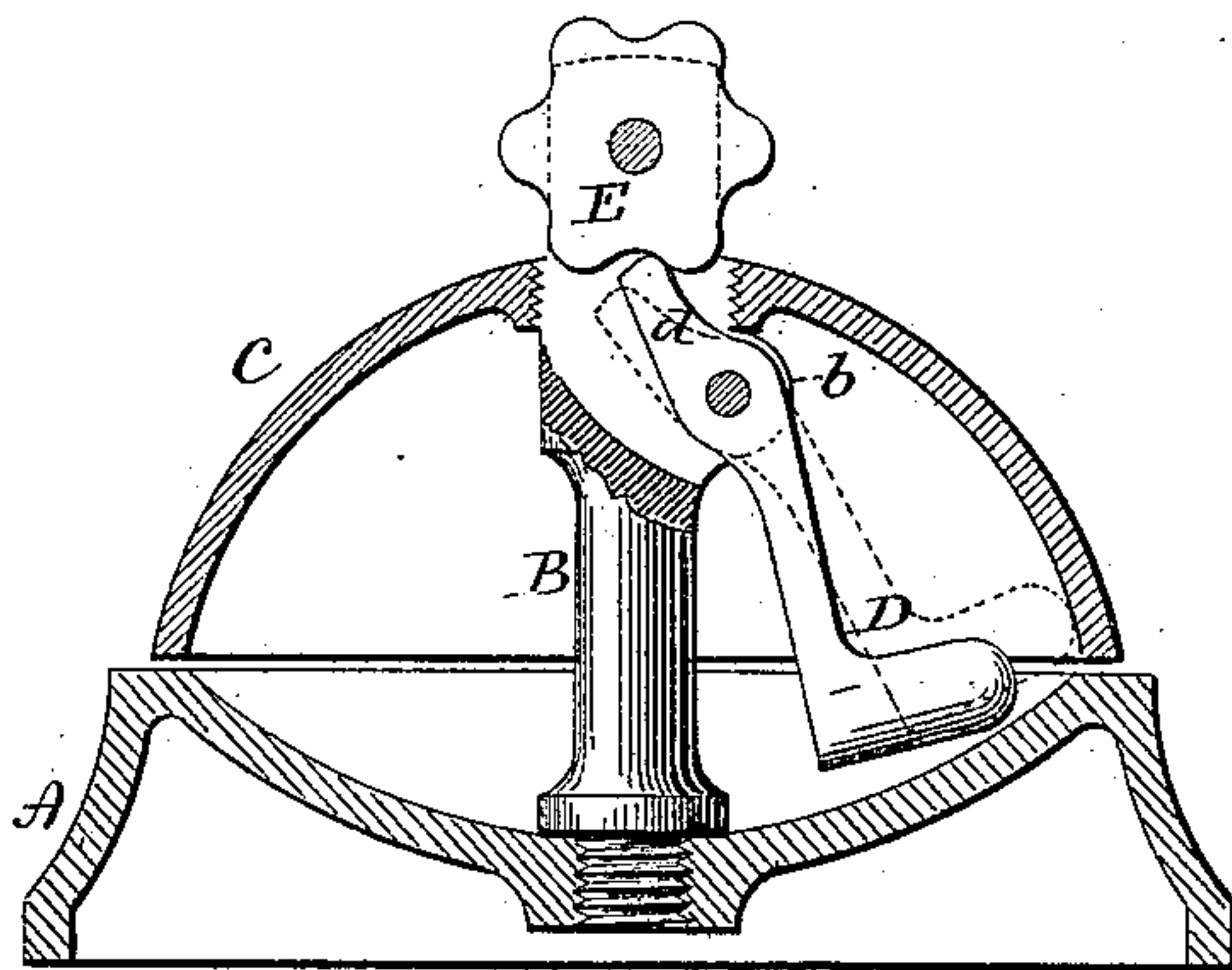


Fig. 2.

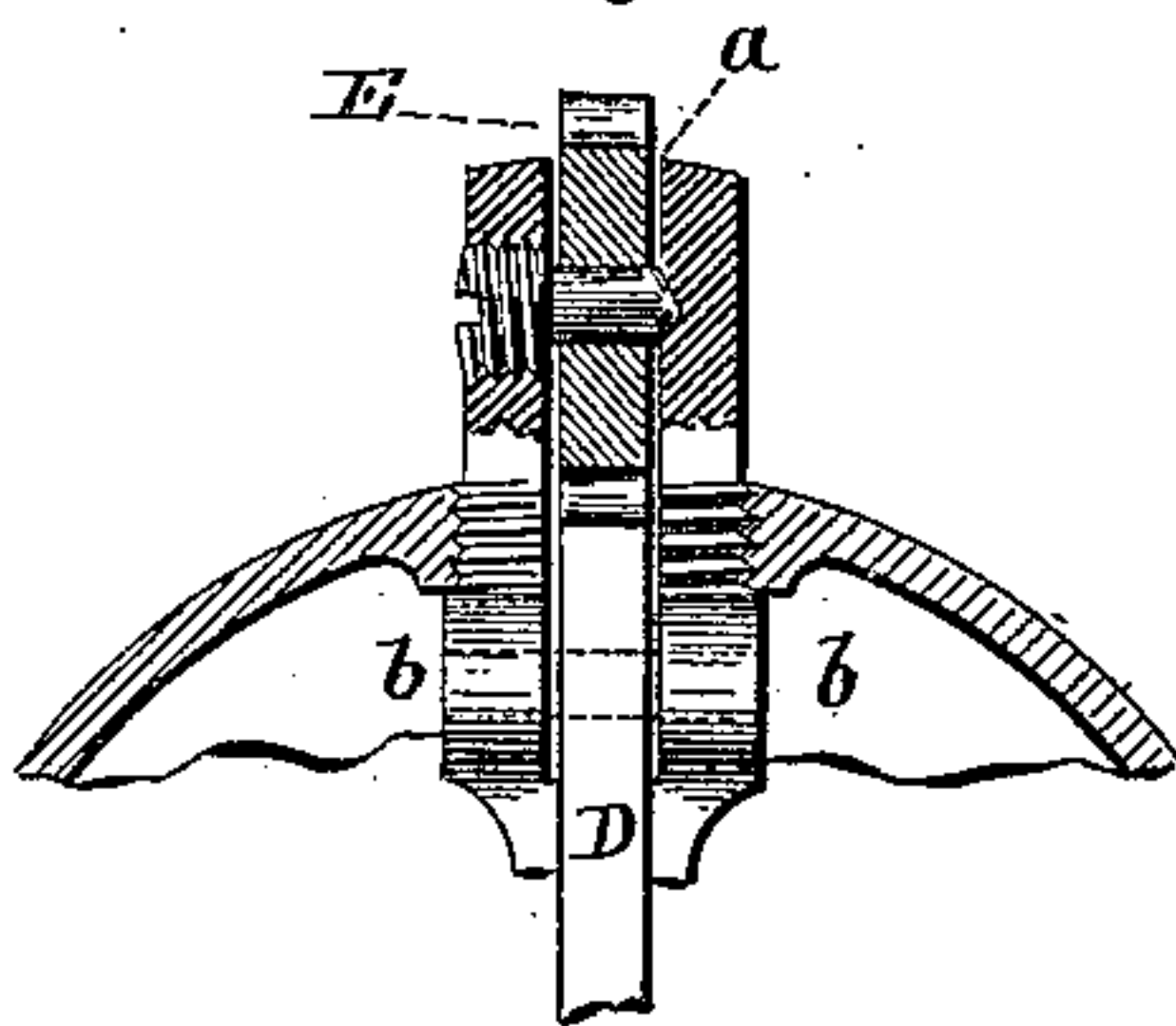
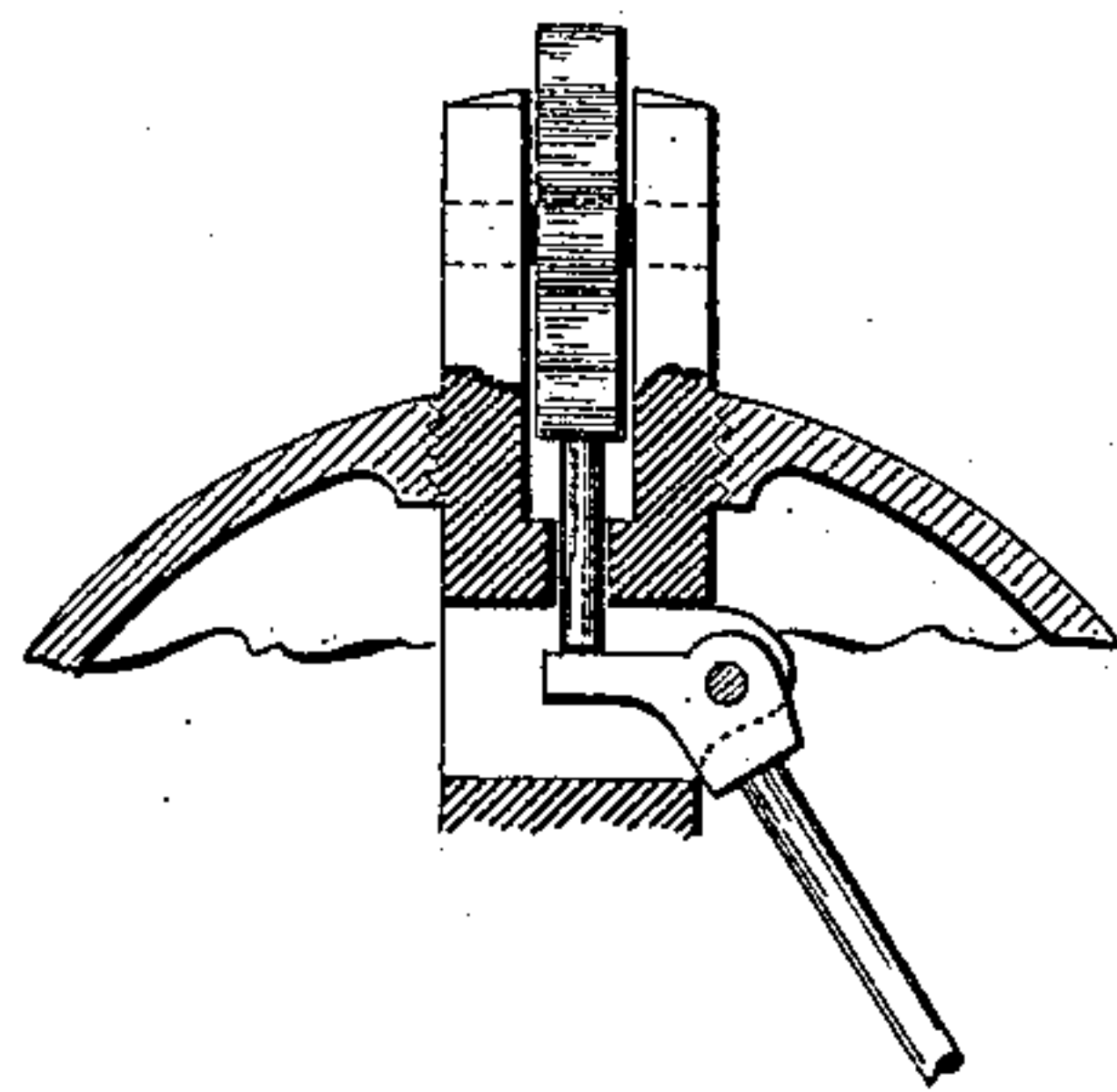


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

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CALL-BELL.

SPECIFICATION forming part of Letters Patent No. 337,157, dated March 2, 1886.

Application filed December 28, 1885. Serial No. 186,843. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM C. HOMAN, of Middletown, in the county of Middlesex and State of Connecticut, have invented new Improvements in Call-Bells; and I do hereby declare the following, when taken in connection with accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a vertical central section; Fig. 2, a vertical central section of the upper part of the post at right angles to Fig. 1; Fig. 3, a modification.

This invention relates to an improvement in that class of call-bells in which the bell is arranged upon a vertical post and the hammer operated by a device above extending down through said post into connection with the hammer, and particularly to that class in which the strokes are rapidly repeated. In the usual construction of this class of bells the mechanism is somewhat complicated, and in most cases requires the employment of a spring.

The object of this invention is to construct a bell very simple in operation, cheap, and avoid the employment of a spring; and it consists in the construction as hereinafter described, and particularly recited in the claim.

A represents the base of the bell, constructed with or adapted to receive a post, B, the said post constructed with a slot, *a*, at its upper end, and with an arm, *b*, on each side of said slot, and is also provided with a screw thread upon its outside above the arms *b*.

C is the bell, constructed with an internally-screw-threaded central opening adapted to set over the post and engage with the thread on the post.

D is a hammer hung between the arms *b*, so as to swing freely therein, and constructed with a tail, *d*, extending into the slot *a*.

E is a wheel hung within the slot *a*, so as to

revolve in a vertical plane over the tail of the hammer. The edge of the wheel is constructed with several notches, forming intermediate projections, the arrangement of the wheel being such that the projections will strike the tail *d* of the hammer. The wheel is best secured in the slot by a stud having a screw-threaded head, which will engage with one side of the post and force the other side from it, thus spreading the divided part of the post in the opening in the bell, and so as to set the bell in its position on the post.

To strike the bell, it is only necessary to revolve the wheel E, which is easily done by drawing the finger over it, and the projections will successively strike the tail of the hammer and cause the hammer to strike the bell, the rapidity of the stroke depending only on the velocity of the wheel, the stroke being repeated as many times as the projections on the wheel strike the tail. The projections on the wheel E are rounded, so that revolving it in either direction will cause the bell to be struck.

Instead of constructing the tail of the hammer to extend upward into the slot *a*, a spindle may be arranged through the post, one end to rest on the tail and the other to engage with the wheel E, as shown in Fig. 3, the result being the same.

It will be understood that the hammer and bell may be secured to the post in any of the well-known constructions of call-bells.

I claim—

In a call-bell, the combination of a base, A, provided with a post, B, bell C, secured to said post, and hammer D, hung upon the post B and constructed with a tail, *d*, with a notched wheel, E, hung in the post B, and adapted to impart swinging movement to the hammer, substantially as described.

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