

(No Model.)

H. B. HART.

BICYCLE BELL.

No. 275,485.

Patented Apr. 10, 1883.

FIG.1.

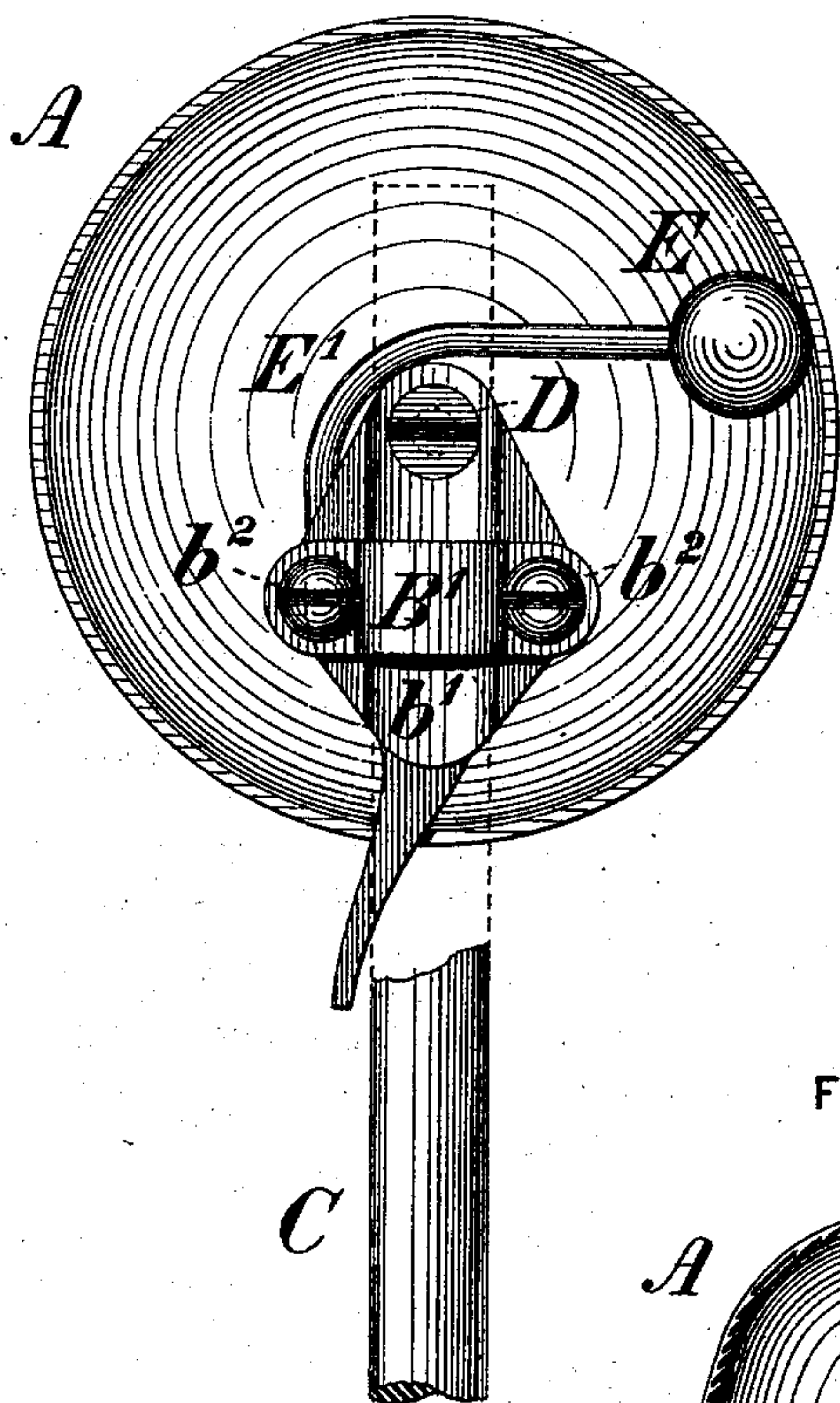


FIG.2.

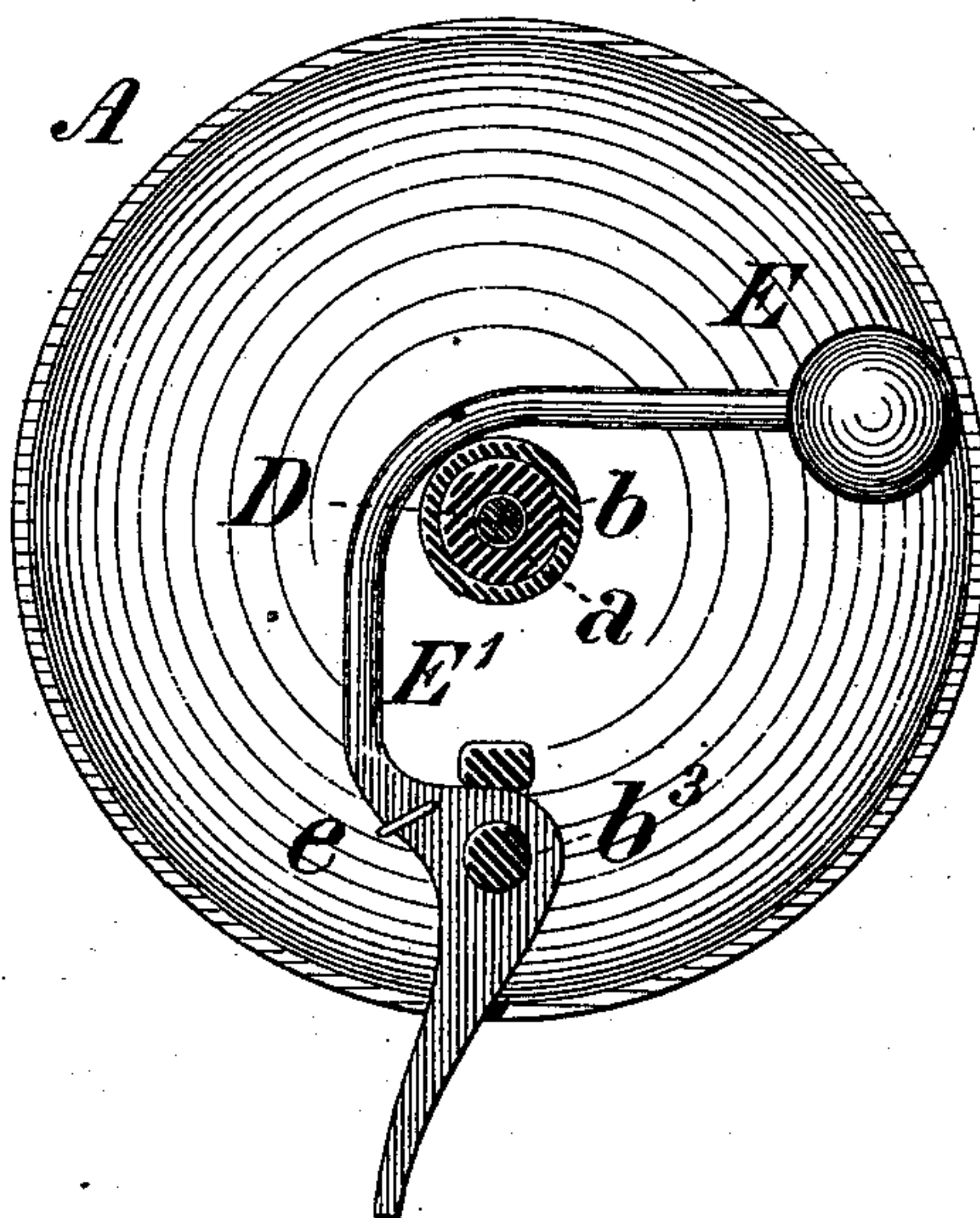
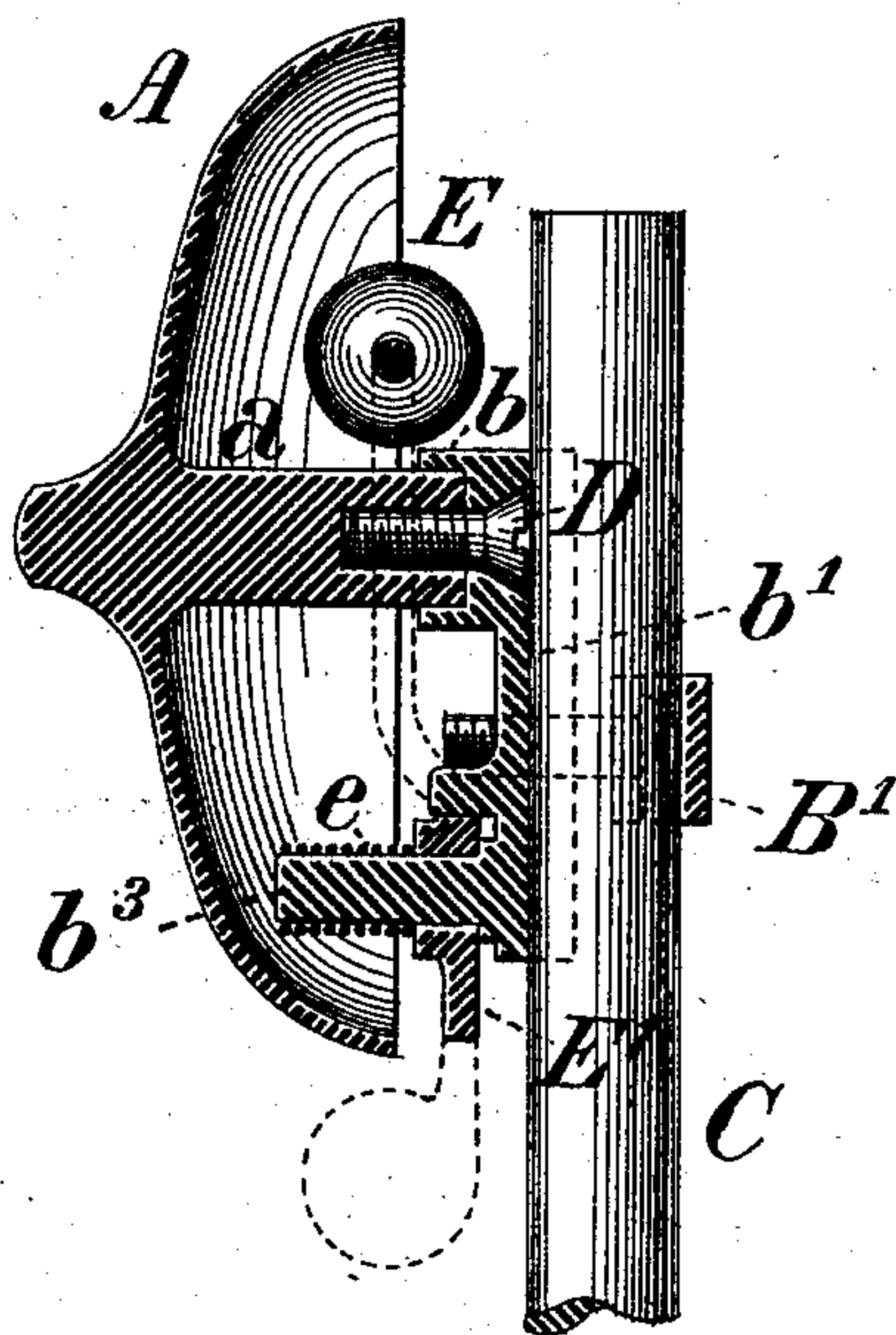


FIG.3.



WITNESSES:

Geo. B. Collier.
Geo. T. Kelly

INVENTOR

H. B. Hart,
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UNITED STATES PATENT OFFICE.

HARRIE B. HART, OF PHILADELPHIA, PENNSYLVANIA.

BICYCLE-BELL.

SPECIFICATION forming part of Letters Patent No. 275,485, dated April 10, 1883.

Application filed January 8, 1883. (No model.)

To all whom it may concern:

Be it known that I, HARRIE B. HART, of the city and county of Philadelphia, in the State of Pennsylvania, have invented a certain new and useful Improvement in Bicycle-Bells, of which improvement the following is a specification.

My invention relates to alarm or signal bells designed particularly for use upon bicycles, but equally applicable to other constructions or locations; and its object is to provide simple and efficient means for connecting the bell with a support, so as to insure its normal operation at all times when in position and effectually prevent accidental displacement.

To these ends my improvement consists in the combination of a bowl having a central shank or hub formed in one piece with its body, a base or bearing fitting against the shank on one side, and having on the other a bearing-surface for the support to which the bell is to be connected, and a locking screw or pin uniting the shank and base and being entirely within the same, so as to be retained in position by the support.

The improvement claimed is hereinafter more fully set forth.

In the accompanying drawings, Figure 1 is a rear view of a bicycle-bell embodying my invention; Fig. 2, a transverse section taken between the clapper and the base-piece, and Fig. 3 a central section taken at a right angle to Fig. 2.

In the practice of my invention, I cast centrally upon and in one piece with the bowl A a shank or hub, a , the outer end of which is fitted against a base or bearing-piece, B, preferably by entering a socket, b , on one side thereof, or by engaging projections thereon in the manner of a clutch. Upon the opposite side of the base B there is formed a recessed bearing-surface, b' , which may be either curved or plane, as desired, for the reception of the support, post, or bracket C, to which the bell is to be connected, such connection being effected by a cap, B' , bearing against the opposite side of the support C, and made fast by clamping-

screws b^2 , which engage the base B. The shank a of the bowl and the base B are united by a locking screw or pin, D, the head of which is flush with or slightly below the bearing-surface b of the base, so as to be entirely within the same, and to be retained in such position by the support C, which covers it when connected to the base. The clapper E is formed upon or secured to an arm, E' , which swings upon a pin, b^3 , on the base, below the socket b , and is returned to initial position after each movement by a spring, e .

It will be seen that by the above construction the bowl is held securely to the base, and without the possibility of being loosened or displaced until removed from the support. Further, by reason of the firm connection of the parts, the proper action of the clapper upon the bowl in ringing is insured at all times, and the screw is protected from risk of breakage by falls.

I claim as my invention and desire to secure by Letters Patent—

1. The combination, substantially as set forth, of a bowl having a shank formed in one piece with its body, a base fitting against said shank and having upon its opposite side a bearing-surface for the reception of a supporting post or arm, and a locking screw or pin connecting the shank and base and entirely within the same, so as to be retained in position when the bell is connected to a support.

2. The combination, substantially as set forth, of a bowl and shank, a base having on one side a socket to receive the end of said shank, and on the other a recessed bearing-surface for the reception of a support, a locking screw or pin passing through an opening in said bearing-surface and engaging the shank, and a cap and clamping-screws adapted to secure said base to a support which will cover the head of the locking-screw.

HARRIE B. HART.

Witnesses:

J. SNOWDEN BELL,
GEO. T. KELLY.