

No. 736,616.

PATENTED AUG. 18, 1903.

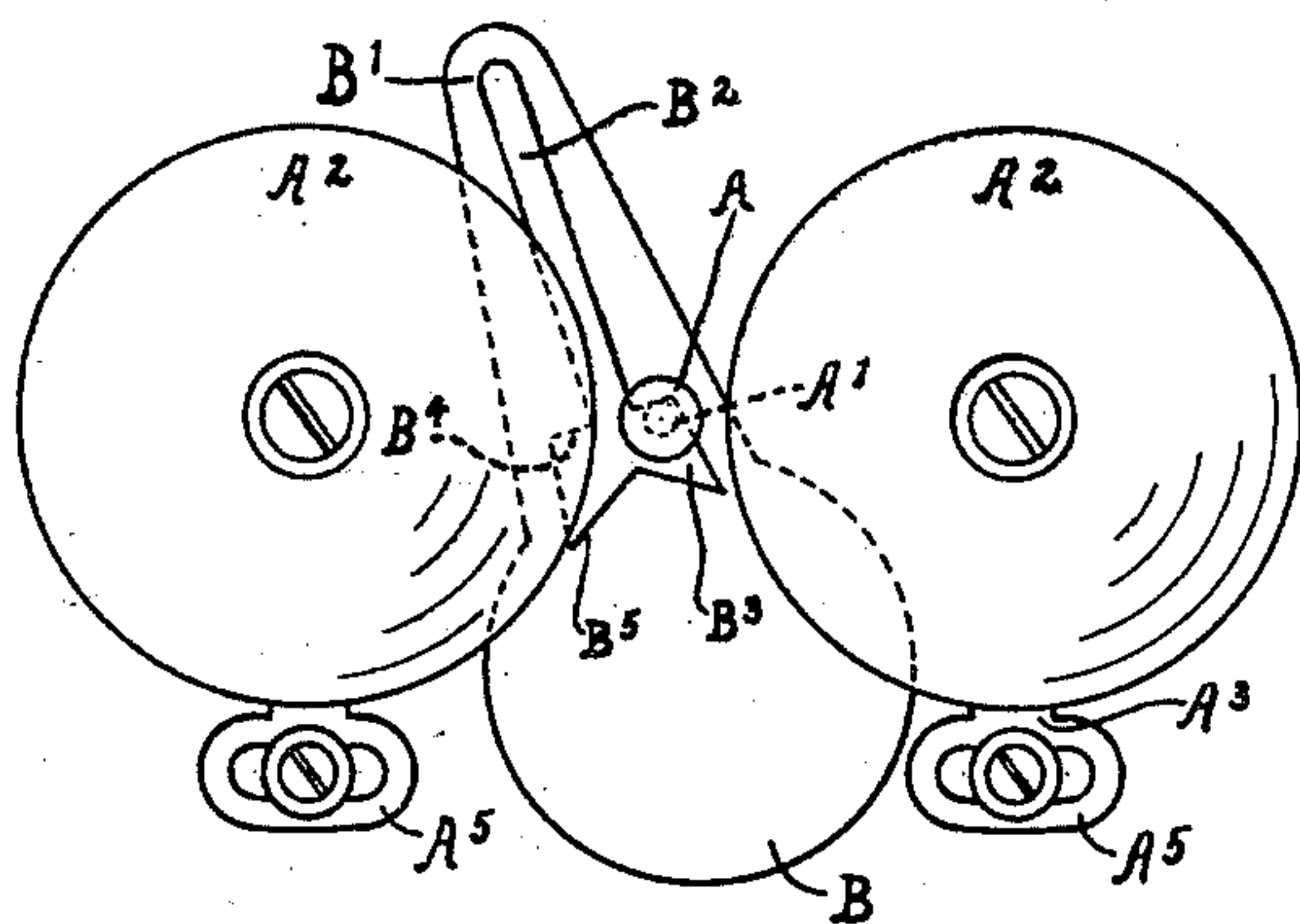
C. E. MONROE.

INDICATOR ATTACHMENT FOR BELLS.

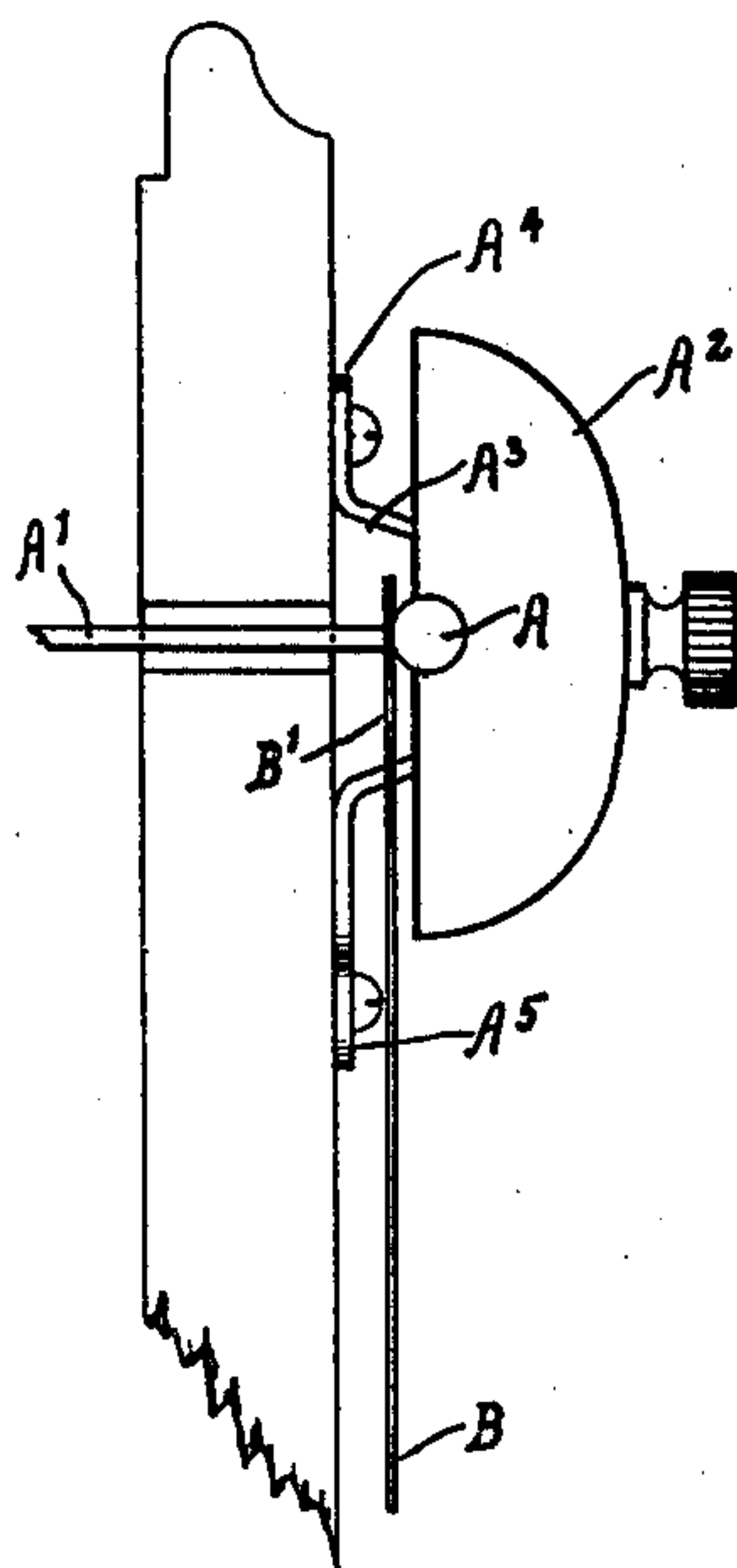
APPLICATION FILED JAN. 5, 1903.

NO MODEL.

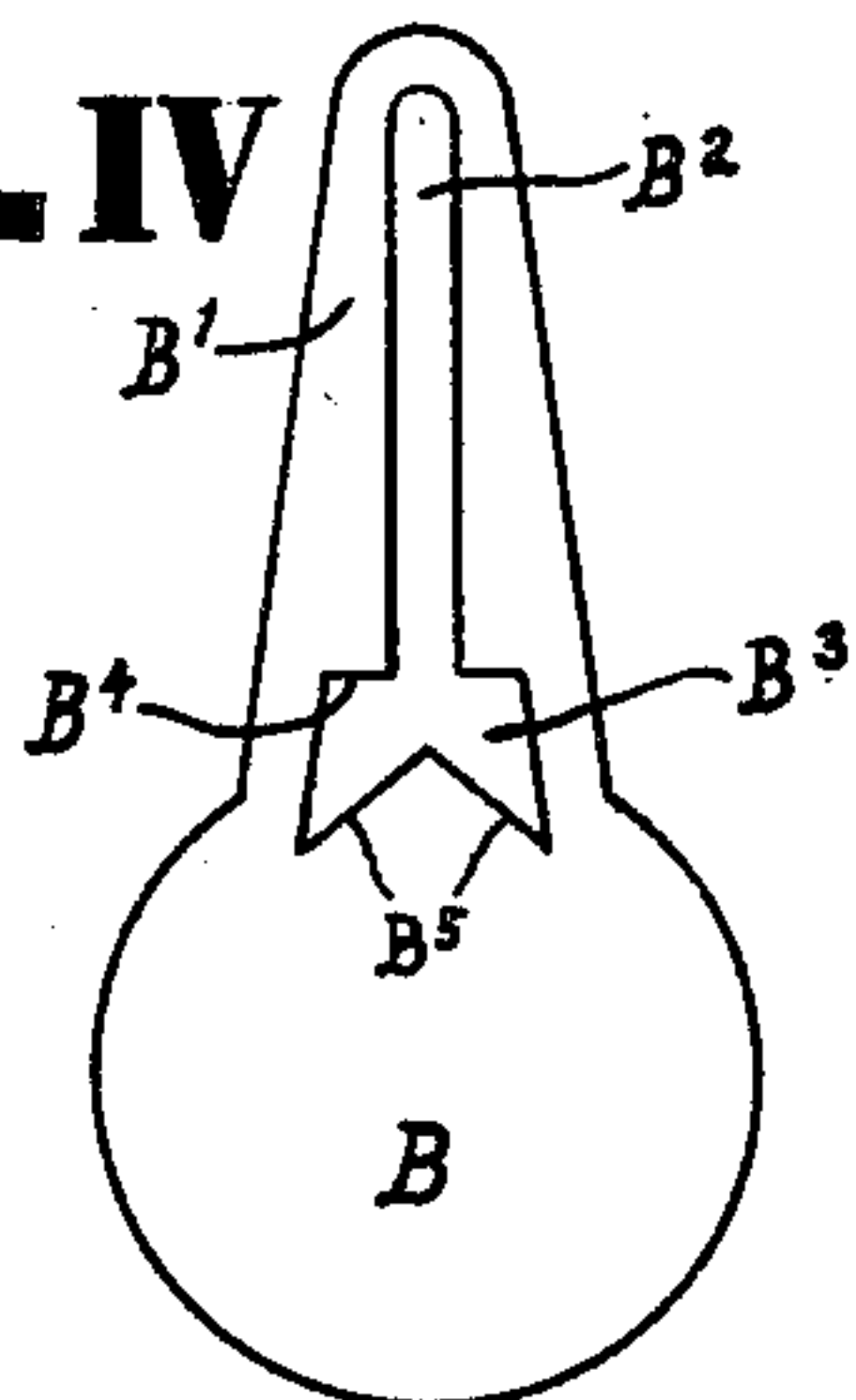
**FIG. I**



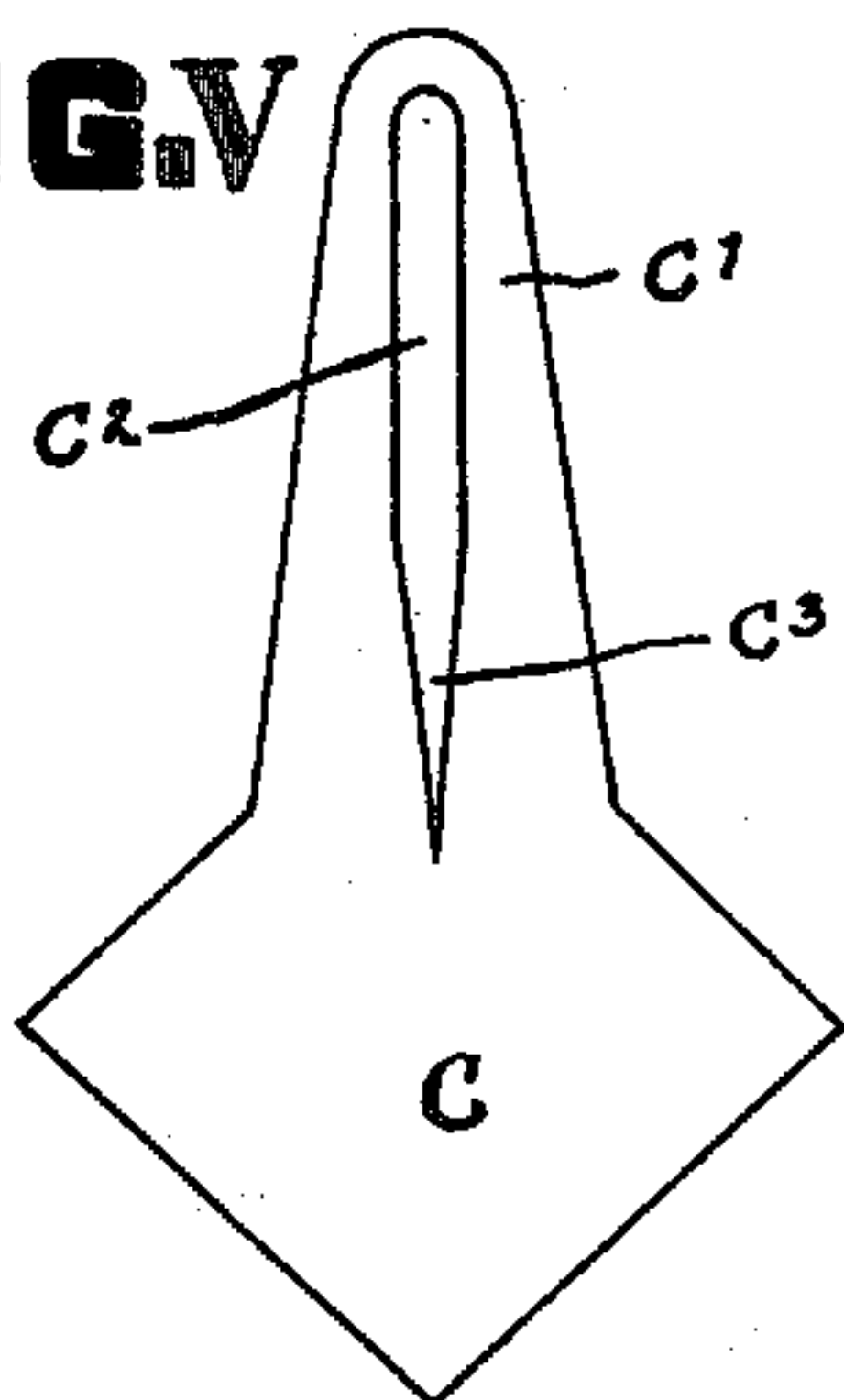
**FIG. III**



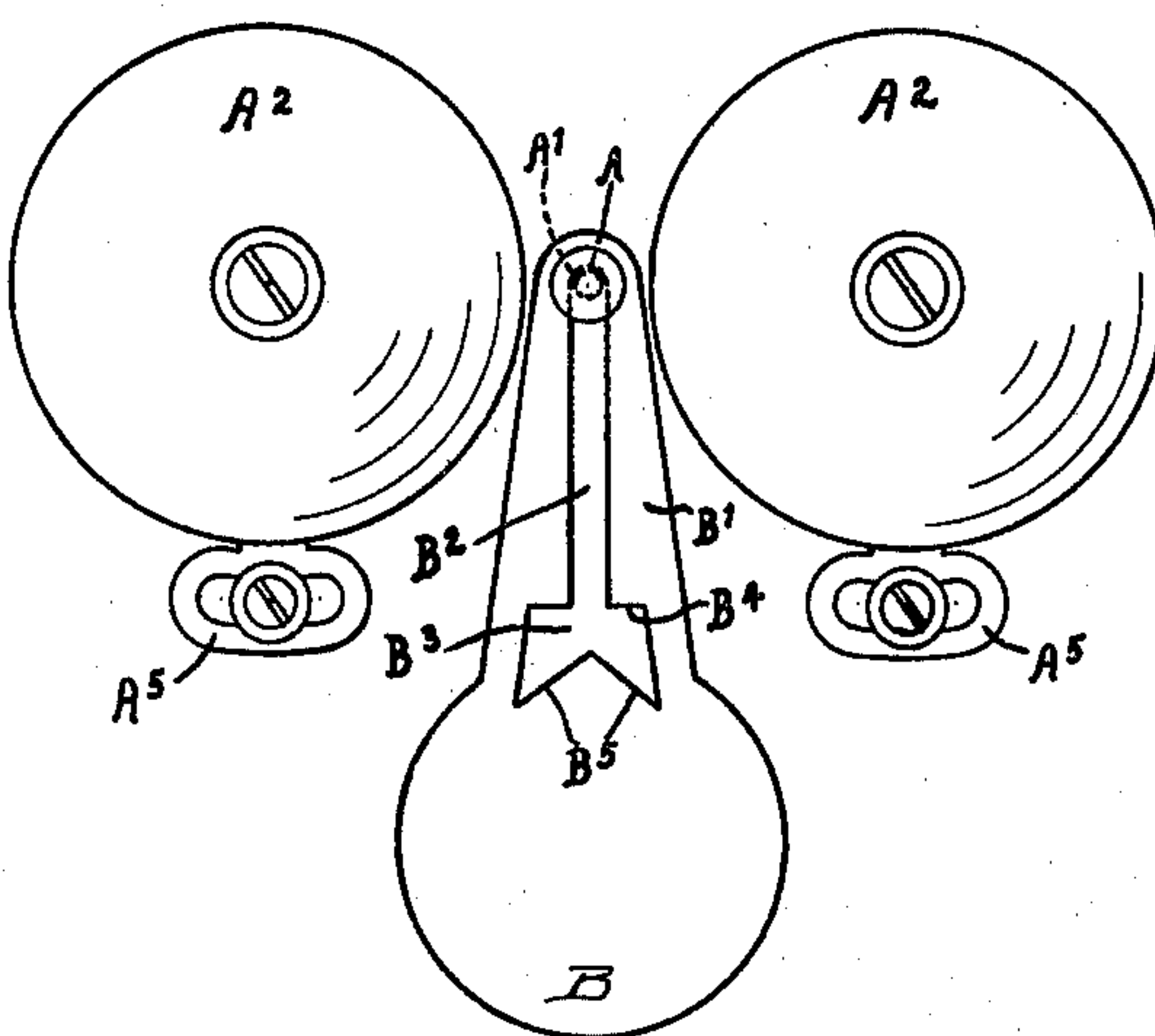
**FIG. IV**



**FIG. V**



**FIG. II**



**WITNESSES:**

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# UNITED STATES PATENT OFFICE.

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## INDICATOR ATTACHMENT FOR BELLS.

SPECIFICATION forming part of Letters Patent No. 736,616, dated August 18, 1903.

Application filed January 5, 1903. Serial No. 137,873. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES E. MONROE, a citizen of the United States, residing at New York, in the county of New York, State of New York, have invented certain new and useful Improvements in Indicator Attachments for Bells, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to an indicator attachment for bells, and particularly to a device adapted to be suspended upon the bell-hammer.

The invention has for an object to provide an indicator-plate having a longitudinal slot within the body thereof formed at one end with means to engage a supporting member and hold the indicator in an elevated position, while a movement of the supporting member releases it from the holding means and permits the indicator to fall the length of the slot therein.

Other and further objects and advantages of the invention will be hereinafter set forth, and the novel features thereof defined by the appended claims.

In the drawings, Figure 1 is an elevation showing the indicator suspended upon a bell-hammer; Fig. 2, a similar view showing the indicator released and in its dropped position; Fig. 3, a central vertical section; Fig. 4, a detail plan of the indicator, and Fig. 5 a similar view of a modified form of the invention.

Like letters of reference refer to like parts in the several figures of the drawings.

This invention is adapted for application to any form of bells, and particularly where a number of call-bells are located in an apartment, so that an attendant can readily see which bell has been rung. For the purpose of illustration the indicator is herein shown as applied to a telephone magneto-electro bell, in which the hammer A is provided with a shank or arm A', extending to the usual actuating-magnets, while the bells A<sup>2</sup> are disposed upon opposite sides thereof and mounted in any desired manner—for instance, by means of brackets A<sup>3</sup>, pivoted at their upper ends A<sup>4</sup> and adjustably secured

at their lower ends A<sup>5</sup>, so that their relation to the hammer A, which is disposed between the same, may be varied.

The indicator is composed of a plate B, formed of paper, metal, or any other desired material and adapted to receive upon its enlarged lower portion any announcement to indicate the point connected with the bell then rung or, if preferred, an advertisement. The upper portion of this plate is provided with an extended arm B', having longitudinally thereof a slot B<sup>2</sup> within the body of the arm, which slot at its lower end is formed with an enlargement B<sup>3</sup>, adapted to pass over the head of the bell-hammer and having at opposite sides shoulders B<sup>4</sup>, adapted to rest upon the arm A' of the bell-hammer, as shown in Fig. 1, and thus support the indicator in an elevated position. When the hammer is vibrated, the arm A' thereof moves from beneath the shoulder B<sup>4</sup> and enters the slot B<sup>2</sup>, thus permitting the indicator to fall by gravity into the position shown in Fig. 2, while the head of the hammer prevents any disengagement of the indicator-plate therefrom when suspended thereon. In resetting the indicator the plate is simply moved upward and the hammer-arm engages one of the inclined faces B<sup>5</sup> beneath the slot B<sup>2</sup>, thus bringing the arm beneath one of the shoulders when the parts are in position for automatic operation when the bell is next rung.

In Fig. 5 a modified application of the invention is shown, in which the plate C is provided with an arm C' at its upper portion having therein a longitudinal slot C<sup>2</sup>, the lower portion of which is tapering or inclined at C<sup>3</sup>, so as to engage and hold the indicator upon the arm of the bell-hammer by frictional contact therewith and release the indicator by the vibratory movement of the bell.

It will be obvious that changes may be made in the details of configuration and construction of the indicator-plate without departing from the spirit of the invention as defined by the appended claims.

Having described my invention and set forth its merits, what I claim, and desire to secure by Letters Patent, is—

1. In an indicator attachment, a plate hav-



ing a longitudinally-extending slot therein with a supporting-body at its upper end, and means at the lower portion of said slot for temporarily supporting the plate upon a movable member; substantially as specified.

2. In an indicator attachment, a plate having an extended arm at its upper portion provided with a longitudinal slot having a supporting-body at its upper end and enlarged recess at the lower end thereof, and a shoulder in said recess adapted to engage a support and retain the indicator in one position; substantially as specified.

3. In an indicator attachment, a plate having an extended arm at its upper portion provided with a longitudinal slot and enlarged recess at the lower end thereof, a shoulder in said recess adapted to engage a support

and retain the indicator in one position, and an inclined base to the recess having its apex in alinement with the lower end of said slot; substantially as specified.

4. An indicator attachment comprising a sheet of material having an enlarged portion at one end and an elongated portion at the opposite end provided with a longitudinal slot entirely within the body thereof and with means at the lower end of the slot to support the attachment; substantially as specified.

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

CHAS. E. MONROE.

Witnesses:

H. E. WILKS,

LONDON P. SMITH.