

H. GINNEL.  
BOW FOR WATCHES.  
APPLICATION FILED MAY 7, 1908.

907,779.

Patented Dec. 29, 1908.

Fig: 1.

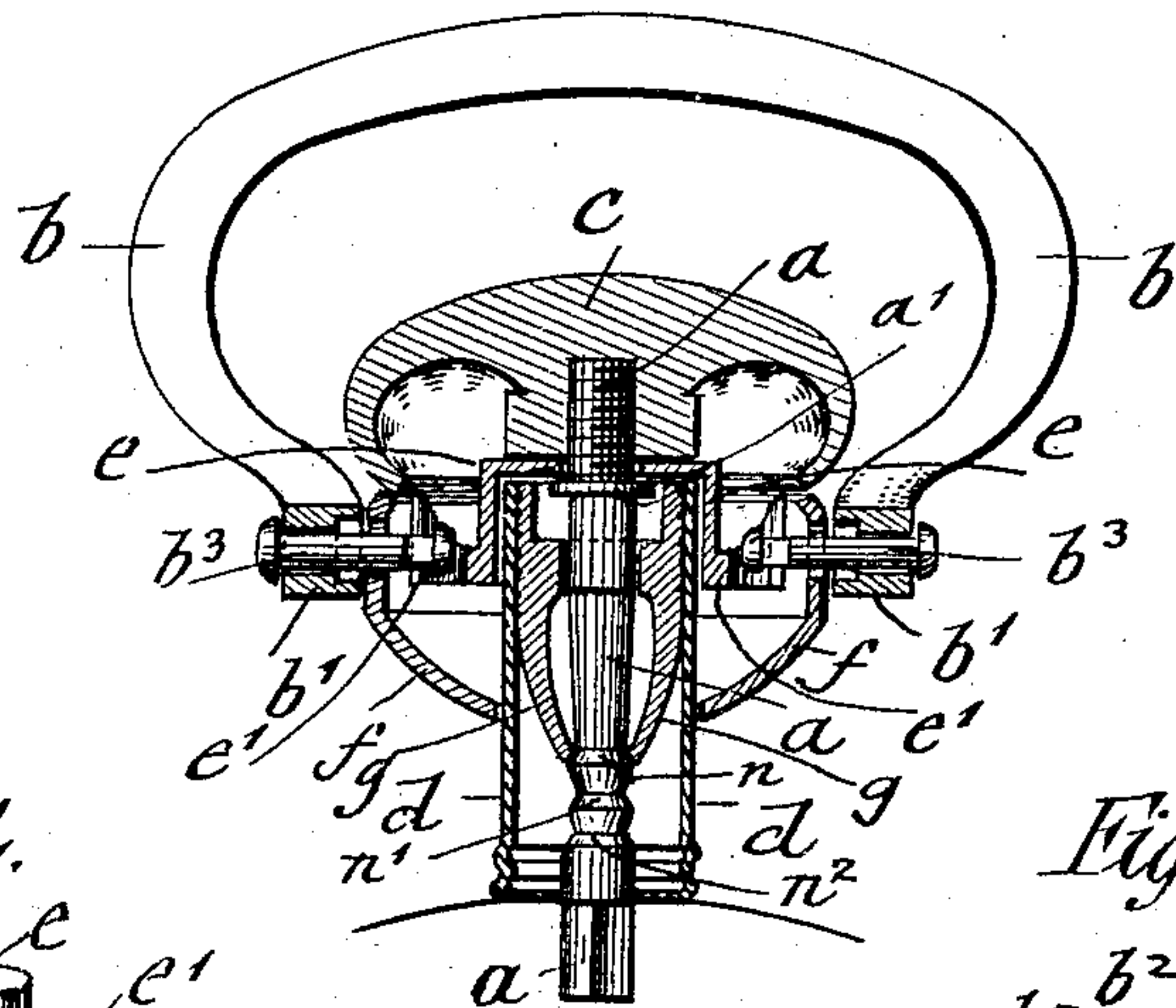


Fig: 4.

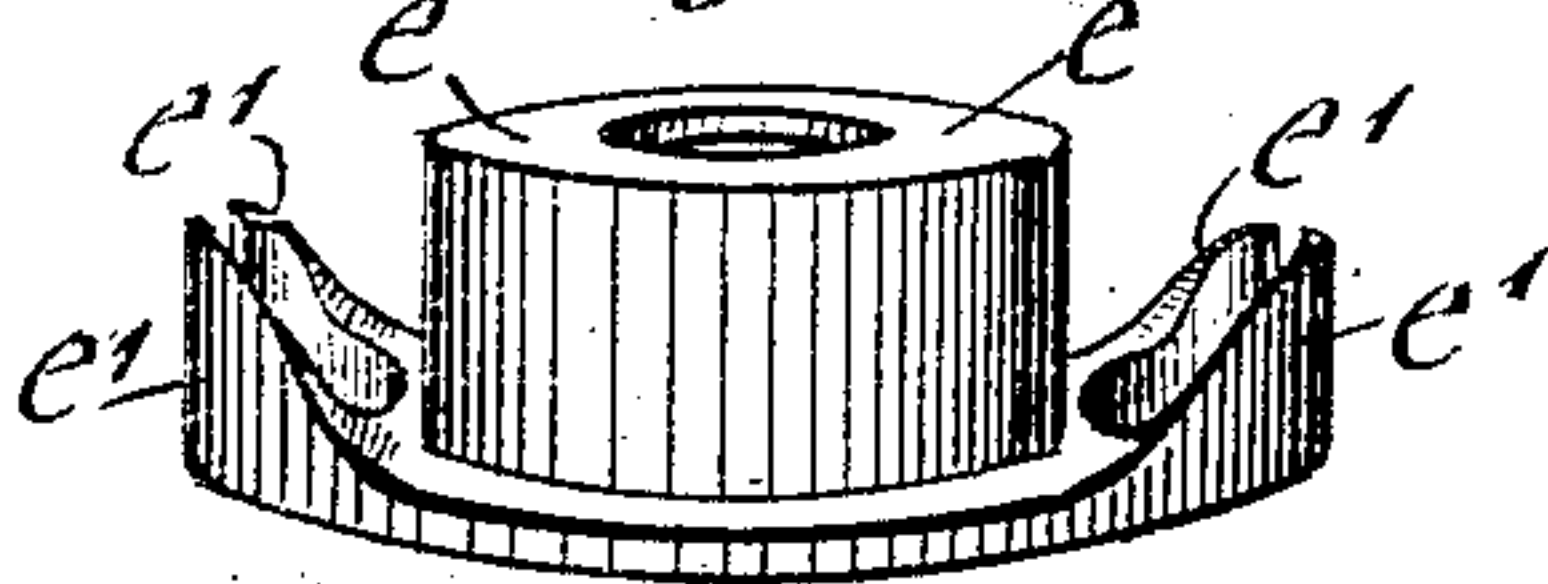


Fig: 6.

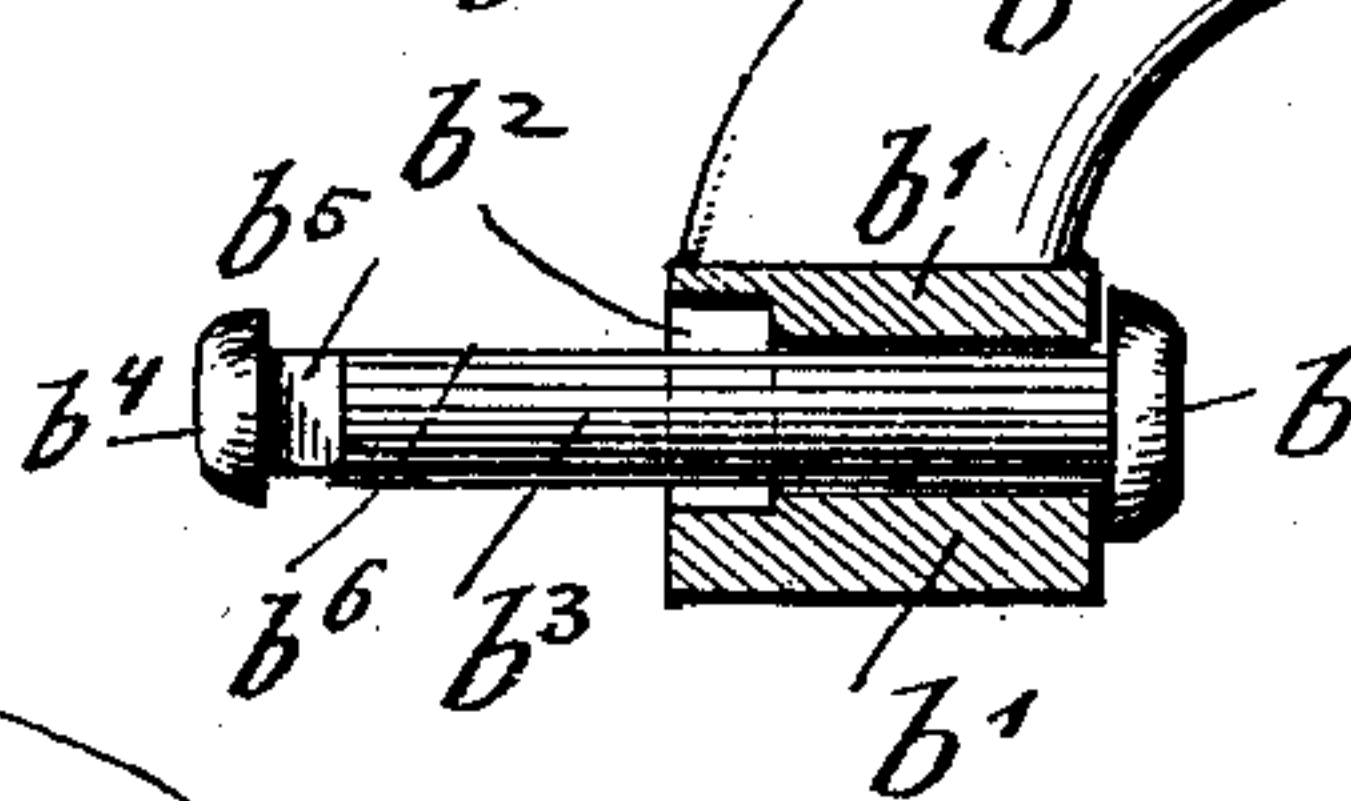


Fig: 2.

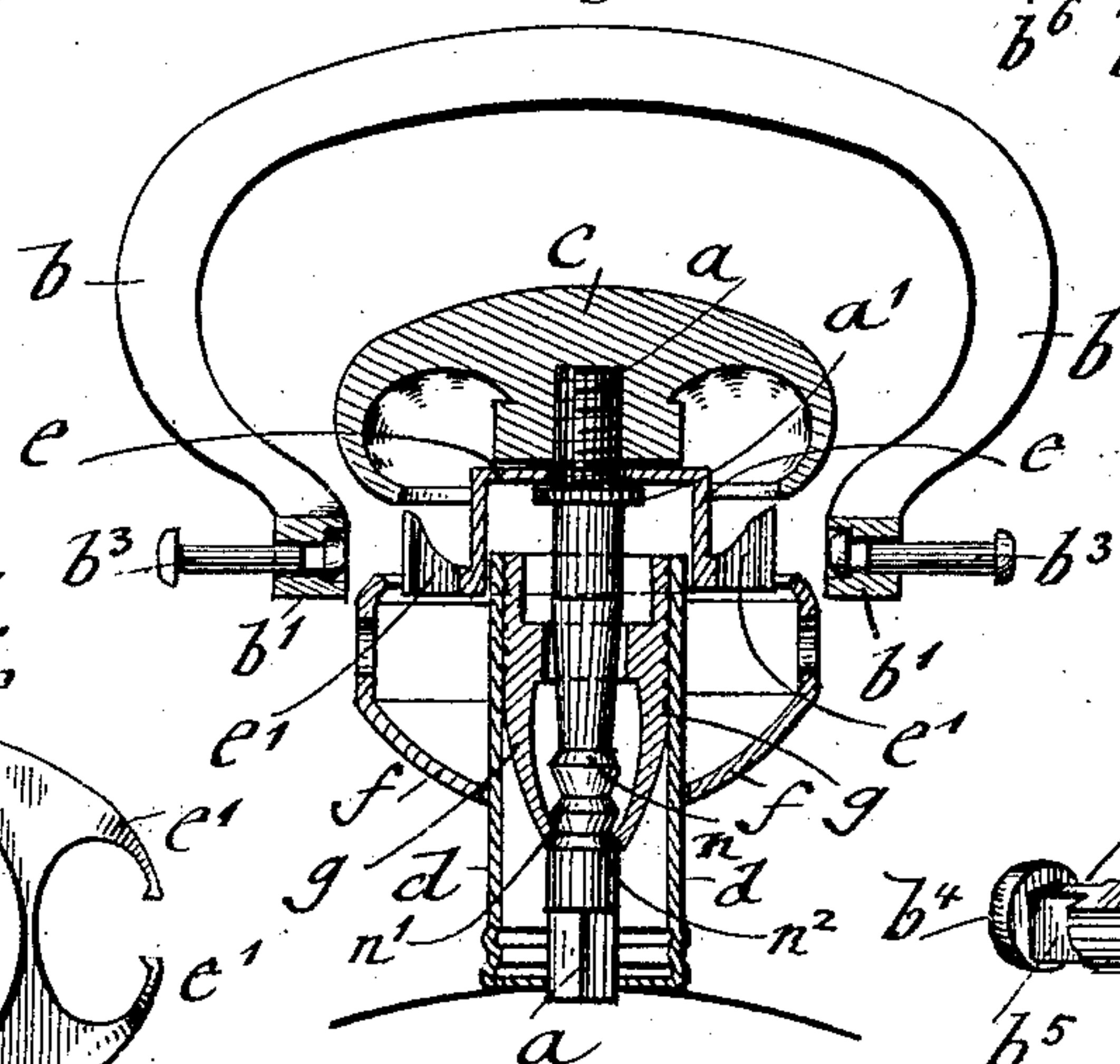


Fig: 5.

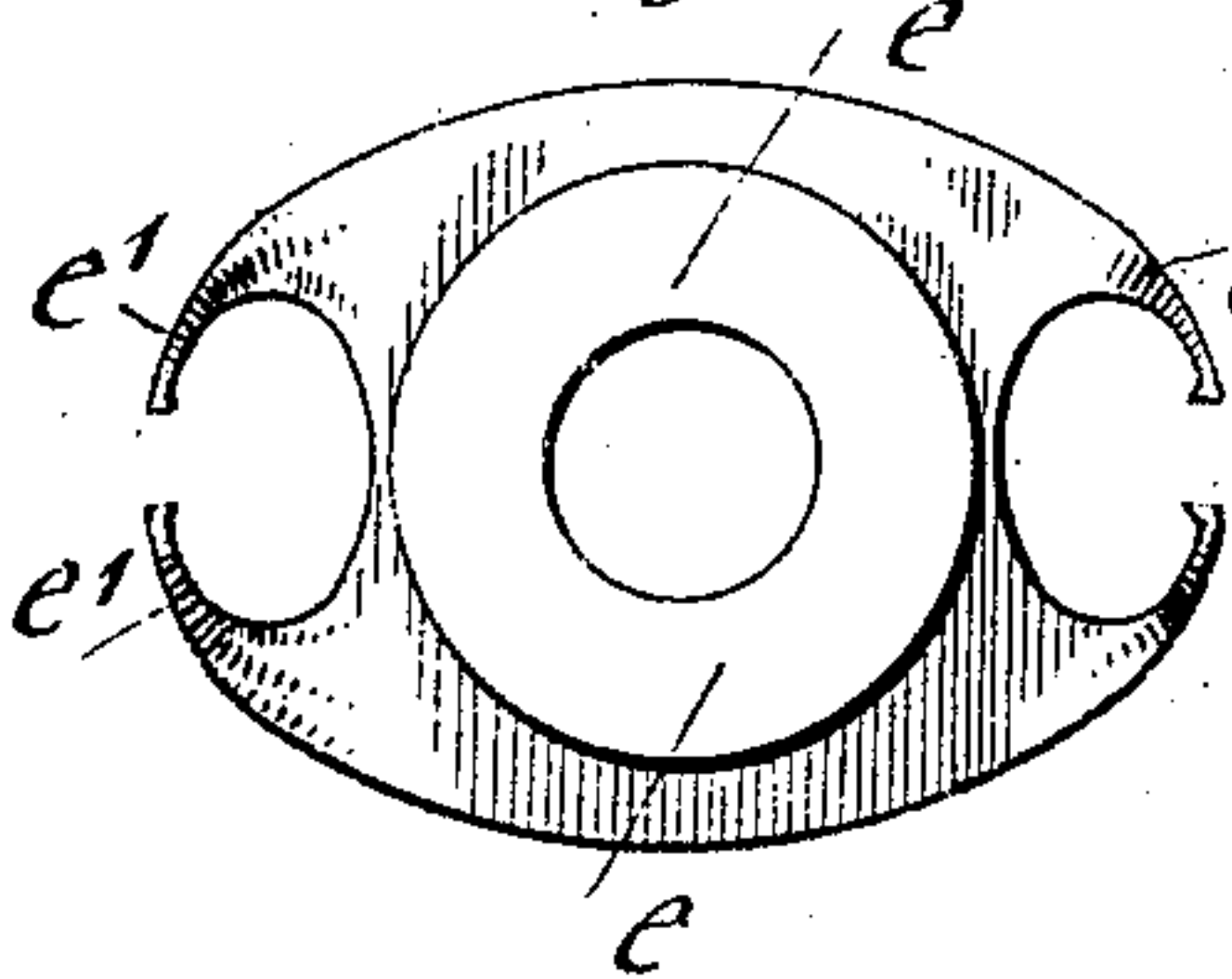


Fig: 7.

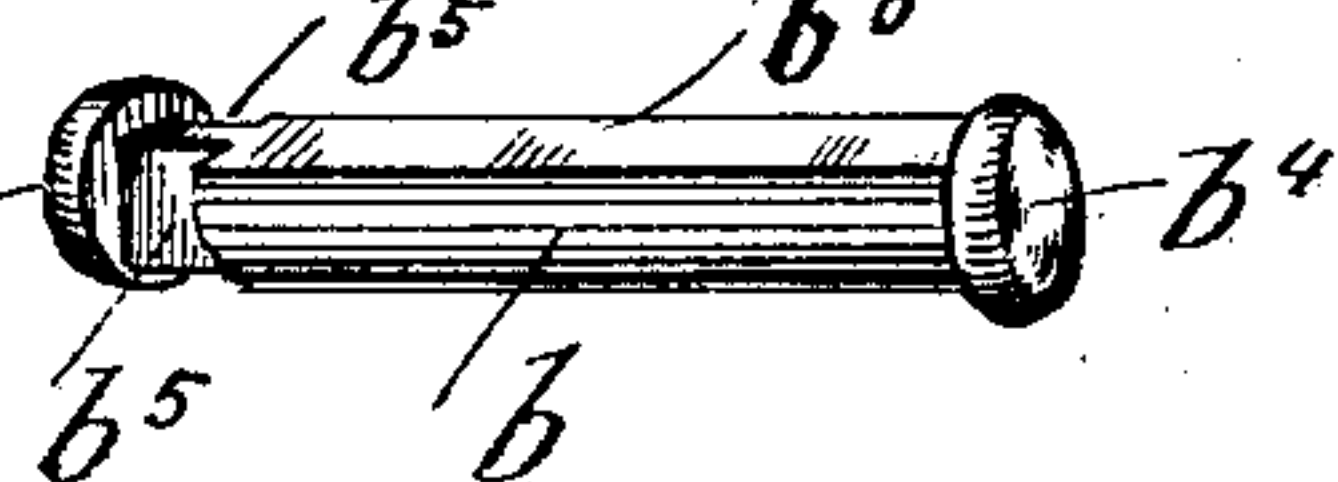
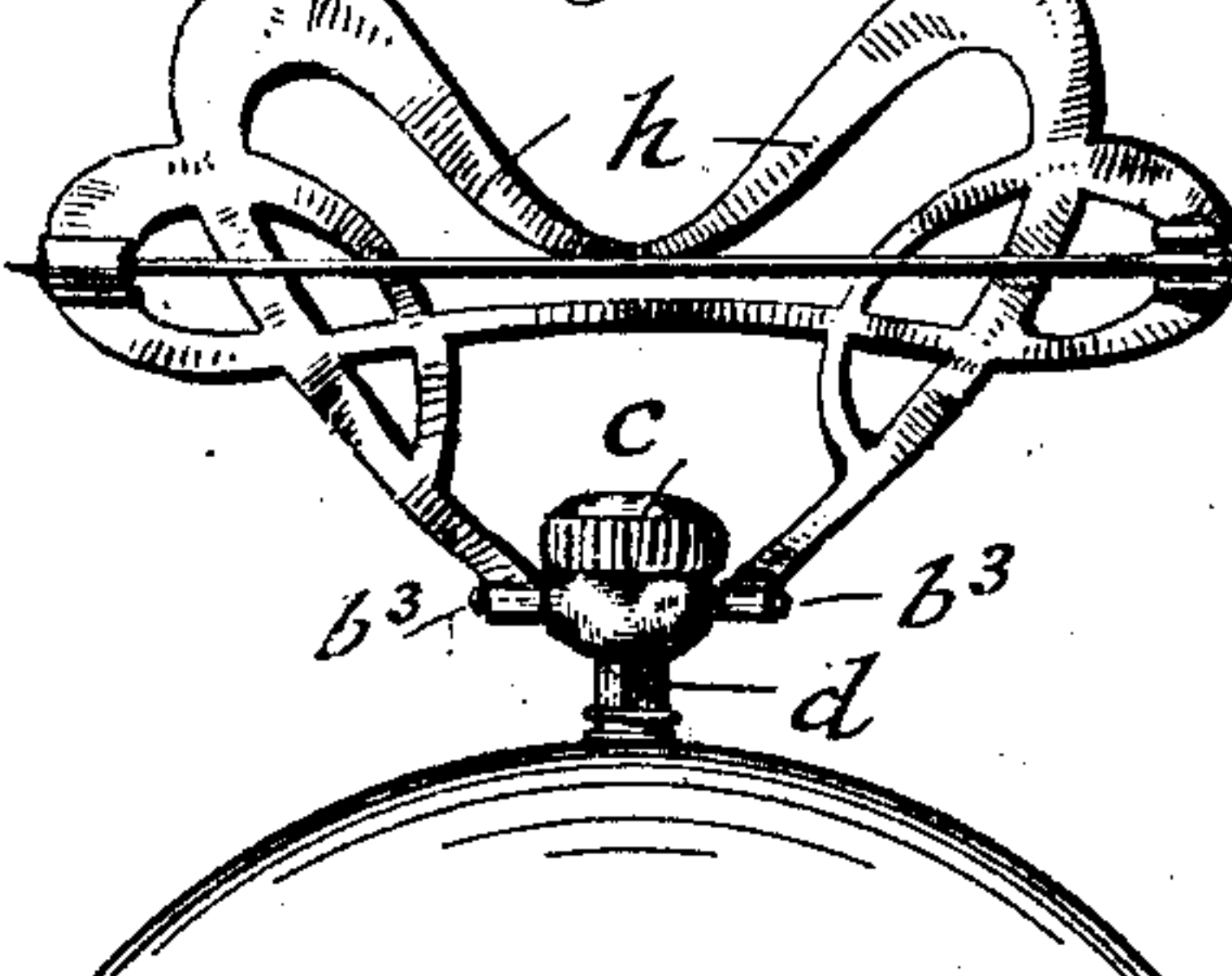


Fig: 3.



Witnesses:  
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Henry J. Schubert.

Inventor  
Henry Ginnel  
By his Attorney  
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# UNITED STATES PATENT OFFICE.

HENRY GINNEL OF GARDEN CITY, NEW YORK.

## BOW FOR WATCHES.

No. 907,779.

Specification of Letters Patent.

Patented Dec. 29, 1908.

Application filed May 7, 1908. Serial No. 431,441.

*To all whom it may concern:*

Be it known that I, HENRY GINNEL, a citizen of the United States, residing at Garden City, in the county of Nassau and State of New York, have invented certain new and useful Improvements in Bows for Watches, of which the following is a specification.

This invention relates to an improved bow for watches, and more especially to certain improvements in the bow for watches for which an application for Letters Patent was filed by me on March 13, 1908, Serial No. 420,960, the improvements being designed with a view of facilitating the detaching of the bow from and the replacing of the bow on the pendant, so that either an ordinary bow or a brooch-bow may be used, as desired; and for this purpose the invention consists of a bow for watches which comprises a cap-shaped bridge provided with recessed extensions at diametrically-opposite points, sliding and headed pins guided in the ends of the bow, said extensions engaging the inner heads of the pins, so as to permit the detaching of the inner ends of the pins from the interlocking extensions when the bridge is lifted clear of the pins.

The invention consists further of certain details of construction which will be fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1 represents a vertical longitudinal section of my improved bow for watches drawn on an enlarged scale, Fig. 2 is a similar section showing the bow in position for permitting its detachment from the pendant, Fig. 3 is a rear-elevation of the bow made in the shape of a chatelaine-brooch, Fig. 4 is a detail perspective view of the bridge and extensions for locking the bow in position on the pendant, Fig. 5 is a plan-view of Fig. 4, Fig. 6 is a detail sectional side-elevation of one of the interlocking pins at the end of the bow, and Fig. 7 is a perspective view of the interlocking pin shown as detached from the bow.

Similar letters of reference indicate corresponding parts throughout the several figures.

Referring to the drawings, *a* represents the stem, *b* the bow, *c* the crown and *d* the pendant of a stem-winding watch. The bow *b* is provided with sleeve-shaped ends *b*<sup>1</sup> having socket-recesses *b*<sup>2</sup> at the inner ends. The sleeve-shaped ends *b*<sup>1</sup> serve for guiding horizontally-sliding pins *b*<sup>3</sup> which are provided

with enlarged heads *b*<sup>4</sup>, and which are recessed at opposite sides at *b*<sup>5</sup> adjacent to the inner heads, as shown clearly in Figs. 6 and 7. The upper part of each pin *b*<sup>3</sup> is flattened at *b*<sup>6</sup> so as to be guided in the correspondingly-shaped interior portion of the sleeve-shaped end *b*<sup>1</sup> without turning on its axis on the same. On the pendant *d* is guided a cap-shaped bridge *e*, which is provided with an opening in its top-part for the upper end of the stem *a* and with hook-shaped extensions *e*<sup>1</sup> at diametrically-opposite points, said extensions being recessed so as to permit the insertion of the inner heads of the bow-pins *b*<sup>3</sup> and the interlocking of the ends by the parallel elongated ends *e*<sup>2</sup> of the extensions which are arranged closely together so as to engage the reduced necks *b*<sup>5</sup> of the pins *b*<sup>3</sup>. The extensions *e*<sup>1</sup> are shown in Figs. 4 and 5. When the bridge is placed in position on the stem it is held between a collar *a*<sup>1</sup> on the upper end of the pendant and the crown, the recessed extensions interlocking with the inner heads and the reduced portions of the pins, so as to hold the bow rigidly in position on the boat *f*.

The stem *a* is provided with the usual annular notches *n*, *n*<sup>1</sup>, which are engaged by a split spring-sleeve *g* the upper end of which is screwed into the pendant, while the lower ends of the spring-sleeve serve for setting the stem for winding the watch or setting the hands. In addition to the notches *n*, *n*<sup>1</sup>, a third annular notch *n*<sup>2</sup> is arranged on the stem below the notch *n*<sup>1</sup>, which third notch serves for permitting another upwardly-shifting motion of the stem so as to bring the same with the bridge *e* and crown *c* in raised position, as shown in Fig. 2, and thereby the clearing of the recessed extensions of the bridge from the inner heads and recessed portions of the pins *b*<sup>3</sup>, so that the latter can then be removed through the openings in the boat by moving the pins in outward direction into the position shown in Fig. 2, so that the bow clears the outer ends of the boat and can be detached for repairs or exchange with a brooch-bow *h*, as shown in Fig. 3. For re-inserting the bow, the pins at the ends of the same are placed in line with the openings in the ends of the boat and then pushed inwardly. The bridge and bow are then returned, by downward pressure on the bow, in downward direction, so that the recessed ends of the bridge reengage the headed ends of the pins and the recessed por-



tions adjacent to the inner heads of the same and reestablish thereby the locking connection between bow, bridge and boat. The elongated extensions of the bridge serve as guides for the inner recessed ends of the pins so as to secure the locking connection of the bridge with the same and for holding the ends of the bow firmly in locked position in the boat.

The improved locking arrangement for the bow can be applied to any stem-winding watch at present in use provided that the additional notch  $n^2$  is added to the stem and the sliding headed pins are applied to the sleeve-shaped ends of the bow. This detachable connection of the bow with the pendant permits also the use of the watch with an ornamental brooch-bow, which can be readily exchanged with the ordinary bow, so that one and the same watch can be carried either on a chain or on the garment by the chatelaine brooch-bow. The detaching or reattaching of the bow can be accomplished with the same facility as the setting of the watch, and forms thereby an attractive feature for men's and ladies' watches, especially as a solid swivel-link can be used with the bow in place of a swivel-link with a spring-snap, which frequently opens and permits the accidental or unintentional disconnection of the watch from the chain, while for ladies' use the watch can be used with an ordinary bow or an ornamental bow, as desired.

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

1. The combination, with the stem and pendant of a watch, of a bow provided with sleeve-shaped lower ends, headed pins guided in said sleeves, and a bridge turning on the stem and provided with recessed extensions at diametrically-opposite points for interlocking with the inner headed ends of the pins at the ends of the bow.

2. In bows for watches, the combination, with the stem and pendant of a watch, of a bow provided with sleeve-shaped lower ends, headed pins sliding in said recesses, means

for preventing the axial motion of said pins, and a bridge turning on the stem provided with recessed extensions at diametrically-opposite points for interlocking with the inner headed ends of the pins at the ends of the bow.

3. In bows for watches, the combination, with the stem and pendant of a watch, of a bow provided with sleeves at its ends, headed pins sliding in said recesses and provided with reduced portions adjacent to the inner heads of the same, means for preventing the axial motion of said pins, and a bridge turning on the stem provided with recessed extensions having upwardly-extending portions for interlocking with the inner heads and recessed portions of the pins.

4. In a bow for watches, the combination, with the stem provided with notches for winding the watch and setting the hands with an additional notch for permitting the release of the bow, of a pendant, having a spring-sleeve engaging said notches, a bridge located on the stem and provided with recessed extensions at diametrically-opposite points, a bow provided with sleeve-shaped ends, and headed pins sliding in said ends.

5. In a bow for watches, the combination, with the stem provided with notches for winding the watch and setting the hands and with an additional notch for permitting the release of the bow, of a pendant having an interior spring-sleeve, a bridge located on the stem and provided with recessed and vertically-elongated extensions, a bow provided with sleeve-shaped ends, and sliding pins, guided in the ends of the bow and having headed ends, flat upper faces and contracted portions adjacent to the inner heads for engaging the recessed extensions of the bridge.

In testimony, that I claim the foregoing as my invention, I have signed my name in presence of two subscribing witnesses.

HENRY GINNEL.

Witnesses:

PAUL GOEPEL,

HENRY J. SUHRBIER.