

(No Model.)

F. W. SCHIMMEL.
PENDANT STEM FOR WATCHES.

No. 351,530.

Patented Oct. 26, 1886.

Fig. 1.

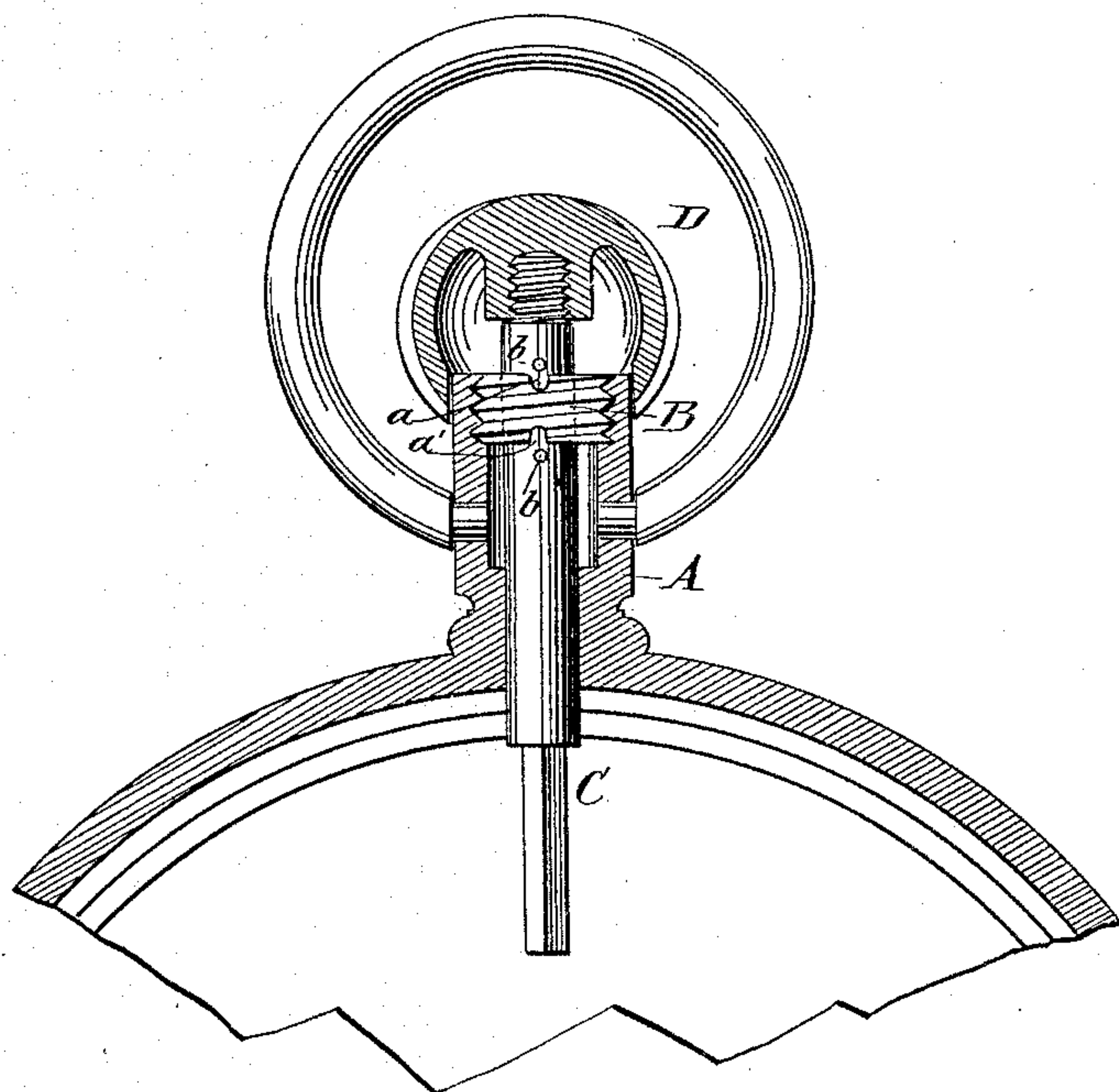


Fig. 2.

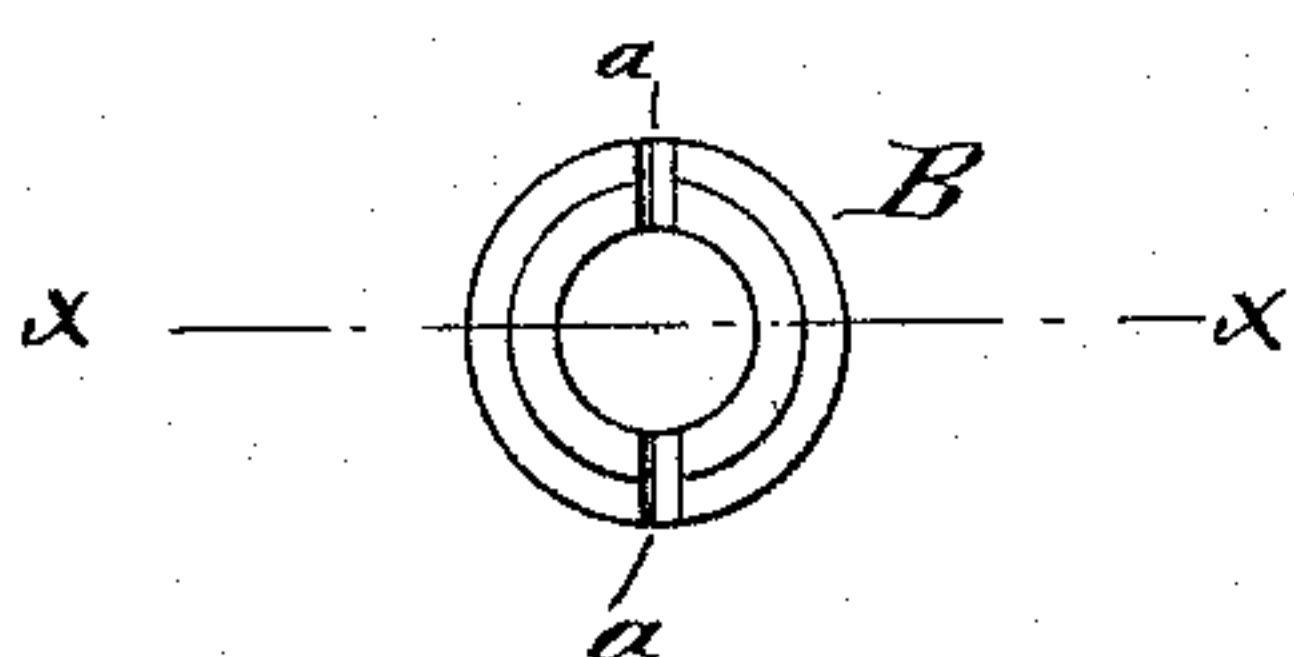
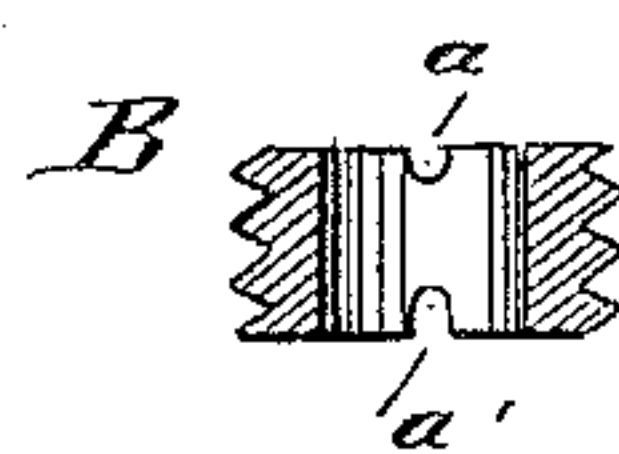


Fig. 3.



WITNESSES:

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PENDANT-STEM FOR WATCHES.

SPECIFICATION forming part of Letters Patent No. 351,530, dated October 26, 1886.

Application filed February 20, 1886. Serial No. 192,648. (No model.)

To all whom it may concern:

Be it known that I, FREDRICK W. SCHIMMEL, of Murray, in the county of Shoshone and Territory of Idaho, have invented a new and useful Improvement in Watch-Stems, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a side sectional elevation of a watch-stem to which my improvement has been applied. Fig. 2 is a plan view of the screw-collar for holding the watch-stem in place in the pendant. Fig. 3 is a transverse section taken on line *xx* in Fig. 2.

Similar letters of reference indicate corresponding parts in the different figures of the drawings.

The stems of self-winding and hunting-case watches have usually been held in place in the pendant by a circumferential groove cut in the stem and a screw passing through the side of the pendant into the stem, or by a grooved collar placed on the stem and engaged by the screw in the same way. Both the screw and the collar in this device are apt to become worn, and the screw, being necessarily very small, is weak and liable to be broken, thereby releasing the stem, so that it is liable to be lost from the pendant. In addition to these defects, in the ordinary stem the space between the stem and the pendant forms a passage by which dust and dirt may gain access to the movement through the pendant.

The object of my invention is to obviate these difficulties and to provide a watch-stem which is strong and not subject to wear or injury, and which will prevent dust from entering the movements through the pendant.

My invention consists in the combination, with an internally-threaded pendant, of an externally-threaded collar placed movably on the stem and fitted to the threaded portion of the pendant, the collar being notched on opposite sides, and the stem being provided with pins for engaging the notches, for introducing or removing the collar from the pendant, and for retaining the stem in place.

The pendant A is internally threaded at its outer extremity, and the threaded collar B is fitted thereto and receives the stem C, which

passes through the pendant into the winding and setting mechanism of the watch-movement. The collar B is provided with notches *a* in its outer surface to receive a pin, *b*, passing through and projecting from the stem C.

In the inner surface of the collar B are formed notches *a'*, for receiving the pin *b'*, passing through and projecting from the stem C within the collar B. The distance between the pins *b b'* is a little greater than the thickness of the collar B, to admit of the longitudinal movement of the stem in opening the watch where the improvement is used in connection with a hunting-case. It also permits of turning the stem in the operation of winding or setting the watch, as the pins *b b'* are normally out of contact with the sides of the collar B. The outer end of the stem C is threaded to receive the crown D.

The collar B is carried to its place in the pendant by bringing the pin *b* into engagement with the notches *a* and turning the stem and the collar together until the collar is in its normal position in the pendant, when the stem C may be pushed in or turned, as already described.

When for any purpose it is desirable to remove the collar B, the pin *b'* is brought into engagement with the notches *a'*, when, by turning the stem C in the reverse direction, the collar B will be unscrewed.

It is obvious that the application of the collar B to the stem and pendant in the manner described prevents the accidental removal of the stem, and will exclude dust from the movement.

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

The combination, with the internally-threaded pendant A and the stem C, provided with transverse pins *b b'*, of the threaded collar B, fitted to the pendant A and provided in opposite sides thereof with notches *a a'*, for receiving the pins *b b'*, substantially as herein shown and described.

FREDRICK W. SCHIMMEL.

Witnesses:

W. HUSSEY,

CHARLES HUSSEY.