

(No Model.)

O. JOHANSON.
WATCH BOW FASTENER.

No. 464,743.

Patented Dec. 8, 1891.

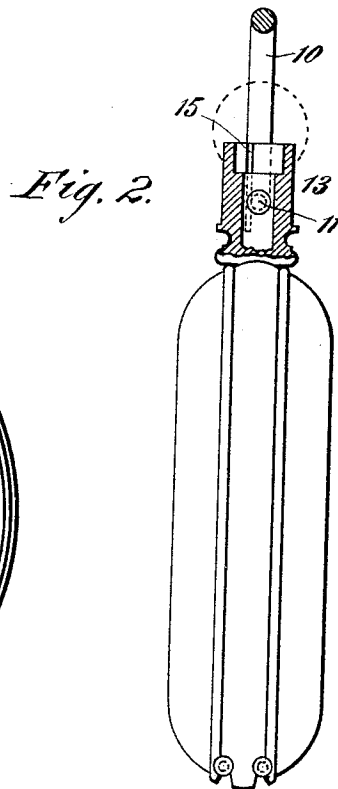
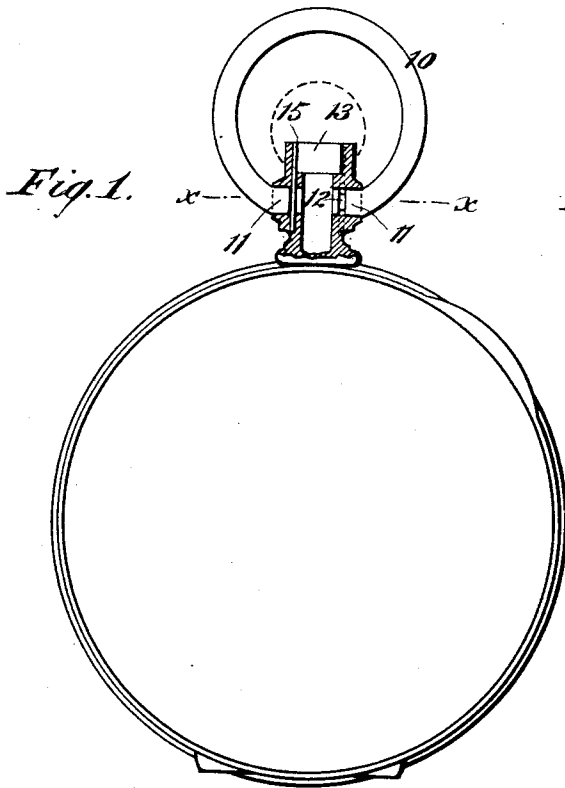


Fig. 3.

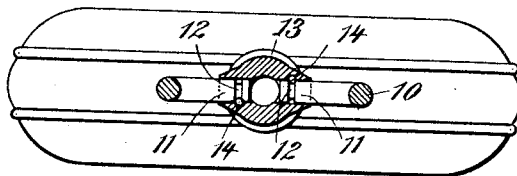
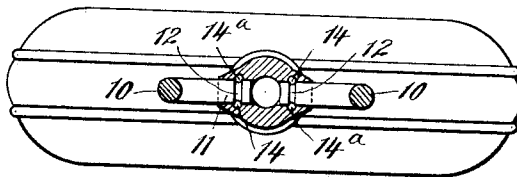


Fig. 4.



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WATCH-BOW FASTENER.

SPECIFICATION forming part of Letters Patent No. 464,743, dated December 8, 1891.

Application filed September 6, 1889. Serial No. 323,118. (No model.)

To all whom it may concern:

Be it known that I, OLOF JOHANSON, of the city of New York, in the county and State of New York, have invented a new and Improved

5 Watch-Bow and Fastener, of which the following is a full, clear, and exact description. This invention relates to watch-bows and fasteners, the object being to prevent the accidental displacement of the bow; and to the end named it consists, essentially, of a watch-bow formed with inwardly-bent end sections, the axes of said sections being in substantially the same line, the ends of the bow being formed with annular grooves, and the pendant in connection with which the bow is to be employed being bored so as to form recesses that are complementary to the bow-grooves, the bow-grooves and the pendant-recesses being arranged to receive keys or locking-pins, all as will be hereinafter more fully explained, and pointed out in the claims. The grooves upon the ends of the bow form heads upon the extremities thereof within which the locking devices fit or extend, so as to prevent the ends of the bow from being withdrawn through the apertures of the pendant.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a side view of a watch embodying my invention, the pendant being shown in section. Fig. 2 is a cross-sectional view of the pendant and bow, the watch-case being shown in full lines. Fig. 3 is a view wherein the pendant is shown in section on line *xx* of Fig. 1, and Fig. 4 is a similar view of a modified construction.

10 In the drawings, 10 represents a watch-bow that is formed with inwardly-bent end sections 11, the axes of said sections 11 being in substantially the same line. Near the ends of the bow 10 I form annular grooves 12.

15 The bow above described is designed to fit in proper apertures formed in a pendant 13, the body of this pendant being bored to form recesses 14, that are complementary to the bow-grooves 12. Two of these bores 14 may be formed upon opposite sides, as represented

in Fig. 3, and the bow having been adjusted, as represented in the drawings, locking keys or pins 15 are passed down through the pendant bores, a portion of the key-bodies resting in the bow-grooves 12, the arrangement being such that while the bow may be freely turned upon its connection with the pendant the possibility of accidental displacement is avoided.

Instead of forming but two bores 14, as represented in Fig. 3, I might under certain circumstances form other bores 14^a; but such bores 14^a would not ordinarily be required.

By fastening the watch-bow as above set forth it is impossible for a thief or pick-pocket to twist the watch from the bow, and hence the danger of thus losing a watch is materially decreased.

While I prefer the details which have been shown, I do not limit myself to them, as it is apparent that they may be modified without departing from the invention, the essential feature of which is the fastening of the end of the bow into the pendant by means of an independent fastening device which engages the end of the bow within the head upon the extremity thereof.

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

1. The combination, with a pendant, of a watch-case having journal holes or recesses for the ends of the bow, a bow having its ends formed with annular grooves and received in the recesses or holes in the pendant, and two parallel pins or screws for each bow and carried by the body of the pendant and extending down into and upon opposite sides of the annular grooves in each end of the pendant.

2. The combination of a watch-case pendant having journal holes or recesses for the ends of the bow, a bow having its ends formed with annular grooves and received within said recesses or holes in the pendant, and two pins or screws for each end of the bow carried by the body of the pendant and extending tangentially into the groove of the bow end on opposite sides thereof, whereby each of said bow ends is supported upon two sides.

3. A watch-bow fastening device consisting of a pendant provided with apertures for the

ends of the bow and provided with bores through the metal of the pendant opening into said apertures, a bow having its ends formed with annular recesses and received in the apertures of the pendant, and keys or locking-pins arranged within the bores of the pendant and extending into the grooves of the bow.

4. A watch-bow fastener consisting of a pendant formed with apertures to receive the ends of the bow, a bow having its ends received in the apertures of the pendant and provided with annular recesses or grooves, and a pin for each end of the bow projecting down through the metal of the pendant from

the top thereof into the recess or groove on the end of the bow within the aperture.

5. A watch-bow fastener consisting of a pendant provided with apertures, a bow having its ends provided with heads upon its extremities and received in said apertures, and independent fastening devices extending within and engaging said heads to fasten the ends of the bow against movement through the apertures of the pendant.

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Witnesses:

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