(No Model.)

F. MINK.

WATCH BOW FASTENER.

No. 456,899. Patented July 28, 1891.

FIG. 1.

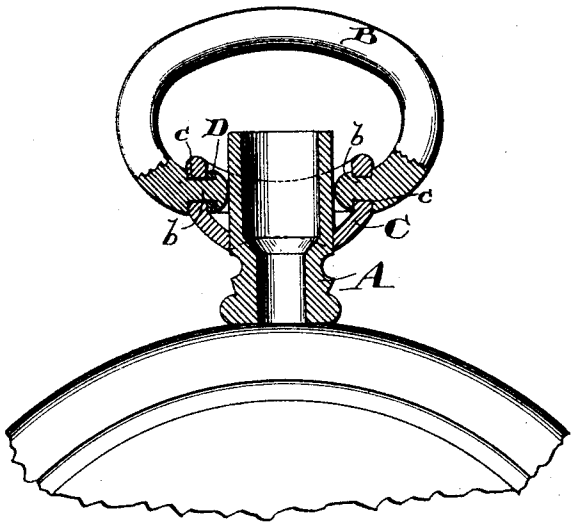
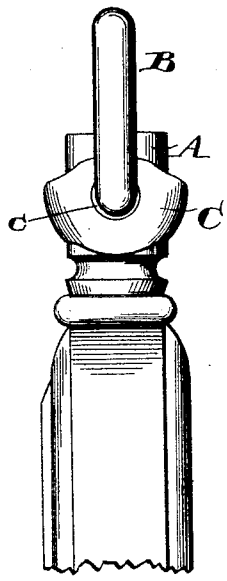


FIG. 2.



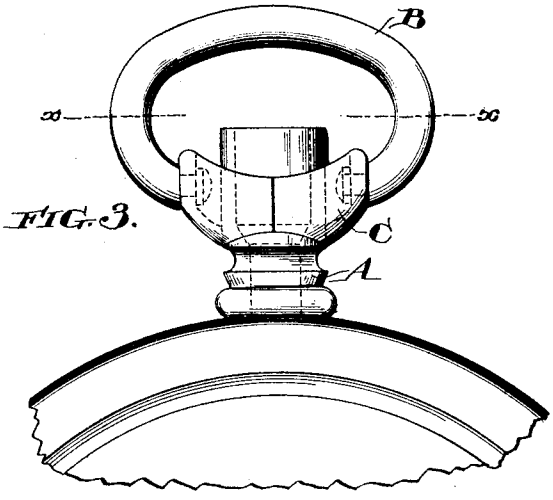


FIG. 3.

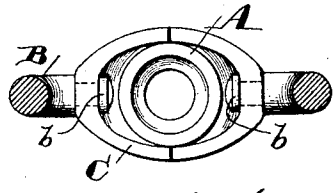


FIG. 4.

Witnesses:
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Jesse Heller

Inventor:
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by his Atty.
Wm. H. Merrill

THE NORRIS-PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

FRITZ MINK, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO THE KEYSTONE WATCH CASE COMPANY, OF SAME PLACE.

WATCH-BOW FASTENER.

SPECIFICATION forming part of Letters Patent No. 456,899, dated July 28, 1891.

Application filed April 9, 1891. Serial No. 388,202. (No model.)

To all whom it may concern:

Be it known that I, FRITZ MINK, of the city and county of Philadelphia, and State of Pennsylvania, have invented an Improvement in Watch-Bow Fasteners, of which the following is a specification.

My invention relates to watch-bow fasteners; and it consists of certain improvements which are fully set forth in the following specification and are shown in the accompanying drawings, which form a part thereof.

The object of my invention is to obtain a convenient, economical, and neat device for fastening the bow to the pendant of a watch-case with the usual freedom of swinging movement therein.

In carrying out my invention I employ an outer shell or false pendant provided with apertures through which the ends of the bow are inserted. The ends of the bow are then fastened to this outer shell by being upset upon the interior and the outer shell is secured to the pendant proper. The bow used in this device is preferably of an approximately elliptical shape, producing with the outer shell what is known as an "antique" bow and pendant. By this construction the pendant proper is formed without apertures or obstructions upon the interior, and the bow is free to swing in the aperture of the outer shell. The protuberances formed by upsetting the ends of the bow are located in the space between the outer shell and the pendant proper. If desired, the shell may be divided and have one end of the bow connected with each half, and these two parts may be subsequently soldered or otherwise fastened together and to the pendant proper.

My invention is not of the outer shell *per se*, which forms the antique pendant, but to the bow-fastening device applied thereto.

In the drawings, Figure 1 is a front elevation of a portion of a watch-case and its bow, with the pendant and bow ends in longitudinal section. Fig. 2 is a side elevation of the same. Fig. 3 is a front elevation of a portion of a watch case and bow, illustrating a modification of the invention, in which the outer shell or false pendant is split or divided; and Fig. 4 is a horizontal sectional view of the same on the line x x of Fig. 3.

A is the pendant proper.

B is the bow.

C is the outer shell or false pendant, which is formed on diametrically-opposite sides with apertures c c.

The ends b b of the bow are inserted through the apertures c c and are upset upon the interior, so as to be locked therein against withdrawal and have freedom of swinging movement.

The shell C is attached to the pendant proper A by soldering, or in any other convenient manner.

I prefer to form the ends b b of the bow with shoulders or offsets, as shown, which bear against the outer surface of the shell C adjacent to the apertures and hold the ends of the bow against inward movement.

In the left-hand side of Fig. 1 is shown an intermediate washer D, which may be employed, if desired, the bow ends turning through these washers, which are held in place by the upset ends.

In Figs. 3 and 4 is shown a construction in which the outer shell or false pendant C is divided, into each half of which one of the ends of the bow is inserted and fastened separately. The two parts are then fastened together and to the pendant proper.

I prefer the minor details of construction here shown, but they may be varied without departing from the invention.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the pendant of a watch-case, of an outer shell or false pendant fixedly attached to the pendant proper and provided upon diametrically-opposite sides with apertures, and a bow having its ends inserted in said apertures and free to turn therein and upset upon the interior of said outer shell between the interior thereof and the outer face of the pendant proper and without extending into the body of the pendant or having any direct connection therewith.

2. The combination, with the pendant of a watch-case, of an outer shell or false pendant fixedly attached to the pendant proper and provided upon diametrically-opposite sides with apertures, and a bow having its ends

formed with shoulders or offsets and inserted in said apertures and free to turn therein and upset upon the interior of said outer shell between the interior thereof and the body of the pendant proper, whereby said upset ends prevent outward movement of the ends of the bow and said shoulders or offsets prevent inward movement thereof, and the bow is without connection with the pendant proper.

3. An antique bow and pendant in which the ends of the bow pass entirely through apertures of the outer shell of the pendant, but not into the body of the pendant, and have their ends upset upon the interior thereof between the interior of the outer shell and the body of the pendant.

4. The combination, with the pendant proper of a watch-case, of an outer shell or false pendant fixedly attached to the pendant proper, formed in two pieces, and a bow having one end fastened to each piece separately, whereby the bow may be attached to the parts of said outer shell independently of any connection with the pendant proper.

5. The combination, with the pendant of a watch-case, of an outer shell or false pendant provided upon diametrically-opposite sides with apertures, a bow having its ends inserted through said apertures of the outer shell and upset upon the interior, and washers carried upon the ends of the bow upon the interior of the outer shell and held upon said ends by the upset extremities thereof.

In testimony of which invention I have hereunto set my hand.

FRITZ MINK.

Witnesses:
ERNEST HOWARD HUNTER,
S. T. YERKES.