(No Model.)

O. W. HEINEMAN.

WATCH BOW FASTENER.

No. 540,983. Patented June 11, 1895.

FIG. 1

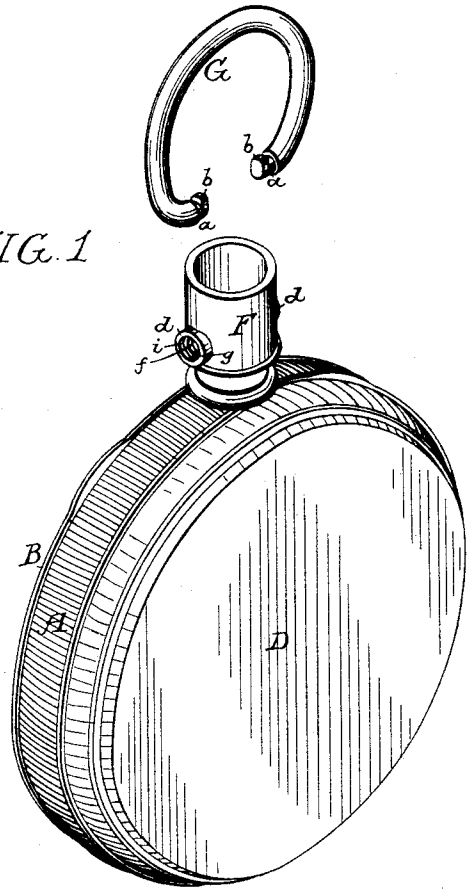


FIG. 2

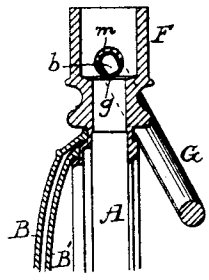


FIG. 3

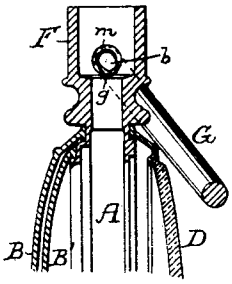
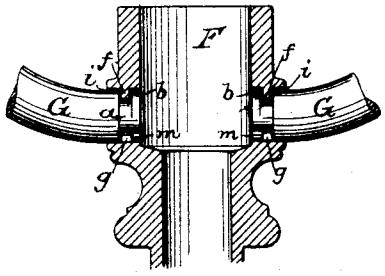


FIG. 4



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OTTO W. HEINEMAN, OF PHILADELPHIA, PENNSYLVANIA.

WATCH-BOW FASTENER.

SPECIFICATION forming part of Letters Patent No. 540,983, dated June 11, 1895.

Application filed June 26, 1893. Serial No. 478,781. (No model.)

To all whom it may concern:

Be it known that I, OTTO W. HEINEMAN, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain Improvements in Attaching Bows to Watch-cases, of which the following is a specification.

The object of my invention is to so attach a bow to the pendant of a watch case as to prevent the release of said bow except when such release is desired, and this object I attain in the manner hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1 is a view of a watchcase and bow constructed in accordance with my invention, the bow being shown detached from the pendant of the case. Fig. 2 is a section of part of the case, illustrating the manner of applying or removing the bow. Fig. 3 is a similar view illustrating how the accidental release of the bow is prevented, and Fig. 4 is a transverse section on a larger scale than the other figures.

A represents the case center; B B′, respectively, the outer and inner back caps; D, the front cap or bezel, and F the projecting pendant of the watch, said center and caps being constructed in the usual manner.

The bow G has at each end a reduced neck *a* with head *b* projecting from one side of the same, and on the pendant F of the case are opposite bosses or lugs *d* in each of which is formed an outer recess *i* for the reception of the end of the bow, and an inner recess *m* for the reception and swinging of the enlarged head on the neck of the bow, these two recesses being separated by a rib or flange *f* in which is formed a notch *g* so that in order to insert the ends of the bow into place, said bow must be first adjusted so that the projecting heads *b* will coincide with the notches *g* in the ribs *f*, the ends of the bow being then pressed together until the heads *b* occupy the inner recesses *m* in which they are free to turn, the bow being locked to the pendant as soon as it is turned sufficiently to carry the heads *b* out of line with the notches *g*. Said notches *g* are so located that the bow cannot be adjusted to such position as to permit of its connection with the pendant, until the cap D is first opened, as shown in Fig. 2, for when said cap is closed, the bow will strike the same as shown in Fig. 3 before the heads *d* are brought into line with the notches *g*. Hence after the bow is once applied, removal of the same while the case D is closed is rendered impossible, so that the bow is not liable to be accidentally detached nor can it be readily puiled from its engagement with the pendant when subjected to strain.

It will be noticed on reference to Fig. 4 that the bore of the pendant F is not obstructed by the ends of the bow, but is available for the easy fitting thereto of the various devices inserted in the pendant in stem winding and setting watches.

Of course it will be understood that the bow is permanently contracted, so that its normal tendency is to thrust the ends into the recesses *i* in the same manner as in the ordinary watch bow. Hence the heads *b* are not subjected to any strain and are, in fact, free from contact with the flange *f* under ordinary conditions, and are only brought into contact with said flange when an attempt is made to spread the bow.

The ends of the bow have their bearings in the outer recesses *i* and thus prevent the rapid wear of the necks *a* by contact with the narrow ribs *f* which would result if said ribs constituted the bearing for the bow.

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

A watch bow having at each end a reduced neck with projecting head at one side, in combination with a pendant having at each side inner and outer recesses separated by a rib or flange free from contact with the neck of the bow having a notch therein for the passage of the projecting head of the bow, the outer recesses receiving and constituting a bearing for the ends of the bow beyond the necks, the inner recesses receiving the heads on said necks and the notches in the rib being so located in respect to one of the caps of the watch case that said cap must be opened before the bow can be adjusted to bring its heads into line with said notches, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

OTTO W. HEINEMAN.

Witnesses:
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