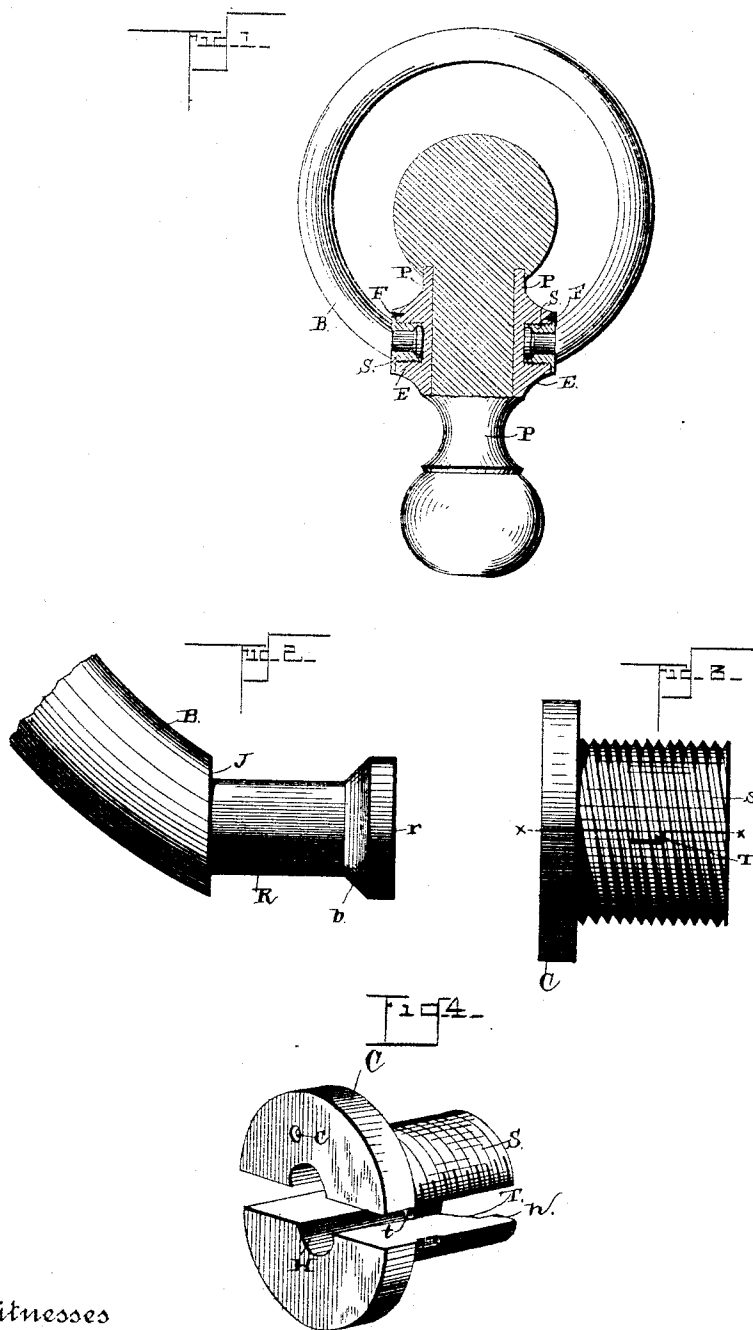


(No Model.)

J. W. HANSEN.
WATCH BOW FASTENER.

No. 437,690.

Patented Oct. 7, 1890.



Witnesses

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JULIUS W. HANSEN, OF HUMPHREY, NEBRASKA.

WATCH-BOW FASTENER.

SPECIFICATION forming part of Letters Patent No. 437,690, dated October 7, 1890.

Application filed March 22, 1890. Serial No. 344,862. (No model.)

To all whom it may concern:

Be it known that I, JULIUS W. HANSEN, a citizen of the United States, residing at Humphrey, in the county of Platte and State of Nebraska, have invented a new and useful Watch-Bow Fastener, of which the following is a specification.

This invention relates to watches, and more especially to the fastening between the pendant and bow thereof.

The object of the invention is to provide a swivel-fastening at the point named, whereby the ends of the bow will be securely fastened within the pendant-stem so as to turn therein, as is necessary, but so as to be capable of detachment, when desired, the whole forming a dust-proof joint between the parts which will not wear them and cannot become accidentally detached.

To this end the invention consists, essentially, of a bow having headed ends, a two-part sleeve surrounding such ends and screwed into holes in the sides of the pendant, a collar on said sleeve, and a securing-screw for preventing the accidental unscrewing and displacement of the sleeve, together with certain details of construction tending to enhance the successful operation of the whole, all as will be more clearly described hereinafter, and as is illustrated in the accompanying drawings, in which—

Figure 1 is an enlarged central vertical section of a watch pendant and bow embodying this invention; Fig. 2, a side view of the bow. Fig. 3 is a side view of the sleeve, and Fig. 4 a perspective view of the sleeve with its members separated.

Heretofore it has been common to provide the ends of the bow with threads and to screw the same either into the sides of the head of the pendant or into lugs formed upon the sides of a collar, which was afterward screwed onto the pendant, and in some cases it has been common to provide said ends with heads and fit them loosely into a two-part head at the end of the pendant, the parts thereof being connected by screw-threads; but I am not aware that a two-part sleeve has been screwed into the side of the head of the pend-

ant and retained there by the peculiar means herein employed.

Coming now to the present invention, the letter P designates the watch-case stem or pendant, having enlarged bosses E at its sides, which are provided with internally screw-threaded openings, as shown.

S is a sleeve, having an external thread adapted to fit that within the opening and also provided with a central cylindrical bore or hole H, having a beveled inner end *h*. The outer end of the sleeve S has an annular collar C, provided with an orifice *c*, for a purpose to appear farther on.

The letter B designates the bow, which may be of any size and construction desired, except that at its ends it is reduced, as at R, to form a shank fitting closely yet loosely within the hole H in the sleeve and adapted to turn therein. At the outer end of this reduced portion is formed a head *r*, whose inner face is beveled, as at *b*, so as to fit the beveled inner end *h* of the hole H. The said sleeve is divided longitudinally on the line *x*, and its two members are pivotally connected by the tongue T upon the edge of one half, fitting into a socket in the edge of the other half and retained there by the pintle-pin *t*. When it is desired to place the sleeve upon the reduced portion R of the bow, it is opened upon its hinge T and passed over the bow end. The sleeves at both sides of the pendant are then brought into position opposite the holes therein and screwed into the same, whereby the ends of the bow will be drawn into position, as will be readily understood, and this bow may afterward be turned with ease; but no dust or dirt can enter the joint at any point. The shoulder J at the inner end of the reduced portion R abuts squarely against the outer end of the sleeve S, and adds to the dust-proof qualities of the whole. After the parts are thus placed in position it may be thought desirable to secure them, so that the sleeve cannot become accidentally displaced, although the spring of the bow will ordinarily hold both sleeves firmly in place. A small fastening-screw F is therefore provided, which is passed through the orifice *c* in the collar C

and into the end of the boss E in a screw-threaded aperture therein adapted for this purpose, and this screw prevents the turning out of the sleeve. The use of this screw is, however, only preferable, not necessary.

I claim as the salient points of my invention—

1. The combination, with the bow B, having reduced portions R at its ends, provided with enlarged heads *r* at their extremities, of the pendant P, having threaded holes in its sides, a longitudinal divided socket S, fitting said holes, a tongue T at one edge of each socket member fitting a socket in the other member, and a pintle-pin *t*, pivotally connecting the members, substantially as described.

2. The combination, with the bow B, having reduced portions R at its ends, provided with enlarged heads *r* at their extremities, of the pendant P, having threaded holes in its sides, a longitudinal divided socket S, fitting said holes, a tongue T at one edge of each socket member fitting a socket in the other

member, a pintle-pin *t*, pivotally connecting the members, integral collars at the outer ends of said sleeves also divided longitudinally, and fastening-screws F, passing through said collars into the pendant, substantially as described.

3. The combination, with the bow B, having reduced portions R at its ends, provided with enlarged heads *r* at their extremities, of the pendant P, having threaded holes in its sides, a longitudinal divided socket S, fitting said holes, integral collars at the outer ends of said sleeves also divided longitudinally, and fastening-screws F, passing through said collars into the pendant, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

J. W. HANSEN.

Witnesses:

R. P. DRAKE,

WM. H. ILLIAN.