

(No Model.)

J. & A. MENEGAY.
WATCH CASE SPRING.

No. 479,292.

Patented July 19, 1892.

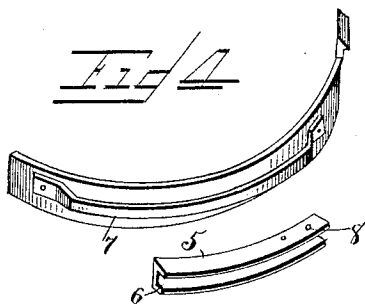
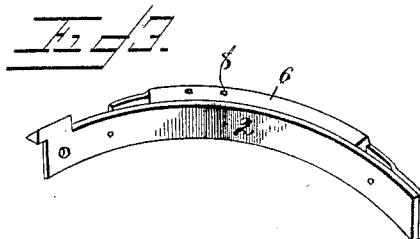
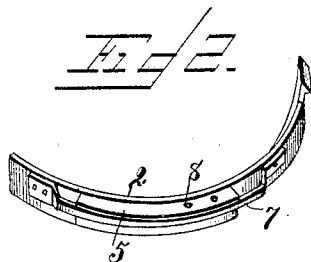
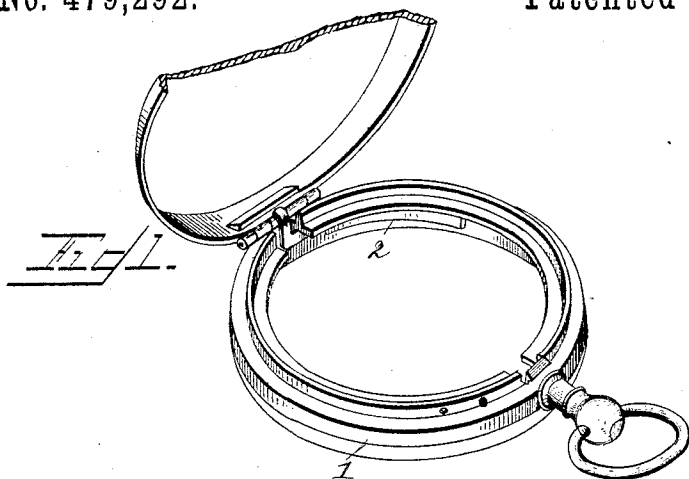


Fig 5.

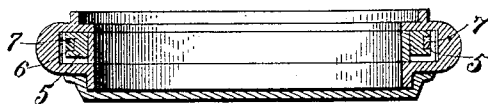
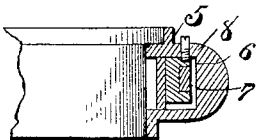


Fig 6.
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UNITED STATES PATENT OFFICE.

JULES MENEGAY AND ARMAND MENEGAY, OF BROOKLYN, NEW YORK.

WATCH-CASE SPRING.

SPECIFICATION forming part of Letters Patent No. 479,292, dated July 19, 1892.

Application filed March 5, 1892. Serial No. 423,895. (No model.)

To all whom it may concern:

Be it known that we, JULES MENEGAY and ARMAND MENEGAY, both residents of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Watch-Case Springs; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Our invention relates to improvements in watch-case springs, the object being to provide an improved construction of the same whereby we obtain superior advantages with respect to ease and facility by which the same may be inserted in and fastened to the case and efficiency in use, whereby the spring may be lengthened or shortened and its tension thereby regulated.

The invention consists in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a watch-case with our improved spring applied thereto. Fig. 2 is a perspective view, on an enlarged scale, of the spring detached. Fig. 3 is a similar view, looking from the opposite side. Fig. 4 is a perspective view of the spring and holder. Fig. 5 is a cross-section through the rim of the case and spring, and Fig. 6 is a detail sectional view.

In the said drawings the reference-numeral 1 designates a watch-case having the usual recess to receive the spring.

The numeral 2 denotes the spring, consisting of an arc-shaped strip of metal having a blade 3 with a head 4. So far the spring may be of any ordinary or suitable construction. Located upon the outer or convex side of the spring is a holder 5, consisting of a metal plate corresponding in curvature to the spring and provided with a groove 6, running from end to end thereof, in which is seated a metal strip 7, secured at each end by means of riv-

ets or screws to the spring. This strip should bear upon the holder with sufficient pressure to prevent accidental movement of the holder, yet permit the latter to be readily slid upon the spring when desired. The holder is provided with a series of screw-holes 8 to receive the securing-screws, by which it is attached to the case.

In practice the holder is adjusted upon the spring until the blade is of the desired length, and is then inserted in the recess in the case and secured therein by the retaining-screw passing through one of the holes therein, as will be readily understood by those skilled in the art.

From the above it will be seen that the holder can be readily secured to any ordinary watch-case, and by sliding the same back and forth upon the spring the length of the blade may be increased or diminished and the tension regulated.

The spring is to be made of tempered steel, as well as the holder and the securing-strip by which the holder is connected with the spring.

The invention will be of great advantage to jobbers, owing to the ease and facility with which it can be adjusted and fitted to the case.

The device may be used as a locking-spring to retain the lid in position when closed and also as a lifting-spring for causing the lid to fly open when the stem is pushed in. In the latter case the blade should be made tapering, as usual.

Having thus described our invention, what we claim is—

1. A spring for watch-cases, consisting of the arc-shaped metal strip having the blade and head, the movable or slidable holder resting upon said strip, having a groove running from end to end and provided with holes to receive a retaining-screw, and the securing-strip resting in said groove and having its ends secured to said spring, substantially as described.

2. The combination, with a watch-case, of the movable or slidable holder having a groove running from end to end and a series

of screw-holes, the retaining-screws by which the holder is fastened to the case, the spring upon which the holder rests, and the securing-strip resting in said groove in the holder
5 and having its ends secured to the spring, substantially as described.

In testimony that we claim the foregoing as

our own we have hereunto affixed our signatures in presence of two witnesses.

JULES MENEGAY.

ARMAND MENEGAY.

Witnesses:

HENRY ROESSLE,

CLARENCE B. KAUFMANN.