

C. S. MOSELEY.

Watch.

No. 77,078.

Patented April 21, 1868.

Fig. 1.

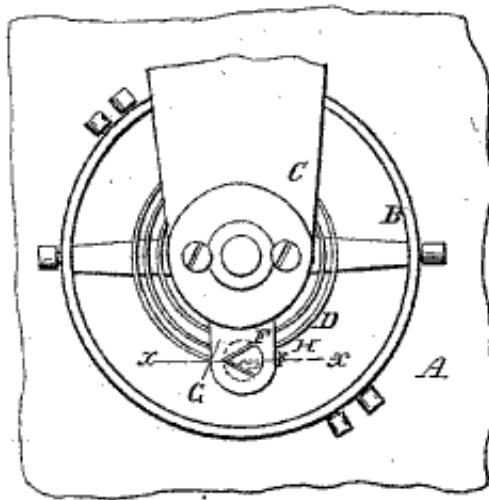
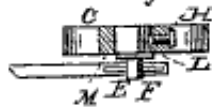


Fig. 2.



Witnesses;
Theo. Fische
J. A. Service.

Inventor,
C. S. Moseley
Per *Miner & Co.*
Attorneys

United States Patent Office.

CHARLES S. MOSELEY, OF ELGIN, ILLINOIS.

Letters Patent No. 77,078, dated April 21, 1868.

IMPROVEMENT IN WATCHES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES S. MOSELEY, of Elgin, in the county of Kane, and State of Illinois, have invented a new and useful Improvement in Watches; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The present invention relates to the manner of securing or holding the outer end of the hair or balance-spring to the watch-movement; and it consists in the combination of a stud, carrying the hair-spring of an arm or extension-piece to the bridge-plate for the balance-wheel, and of a set-screw or screws, whereby the adjustment and attachment of the hair-spring can be secured with accuracy, and it can be always brought to the same position. In the accompanying plate of drawings, my improvement in watches is illustrated—

Figure 1 being a plan or top view of a portion of the back plate to a watch-movement, showing balance-wheel and hair-spring, and all on an enlarged scale.

Figure 2, a cross-section, taken on the plane of the line *x x*, fig. 1.

Similar letters of reference indicate like parts.

A, in the drawings, represents the back plate to a watch-movement. B, the balance-wheel, hung between back plate A and bridge-plate C of the same. D, the hair or balance-spring, connected, at one end, with the balance-wheel B, and at its other or outer end inserted and fastened in one end, E, of a stud or pin, F, in the extension-arm G, to the bridge-plate C hereinbefore referred to. This stud F is made of a triangular shape, in cross-section, for a portion of its length, terminating with a shoulder, *a*, and by this triangular-shaped portion of the stud it is inserted in the opening H of the extension-arm of the bridge-plate C, and there secured or tightly held by means of a set-screw, H, screwed into the said arm G, so as to bear upon the stud F, in the direction shown in fig. 1, and thus to bring it to its seat and place. The opening in the extension-arm G for the stud F is of a similar shape to the stud, and from one end of the stud to the termination of the triangular-shaped portion thereof, upon the side or face where the set-screw bears, it is bevelled or inclined, as shown at L in fig. 2, so that the screw, as it comes against the stud, will tend to throw or draw it upward, and thus bring it by its shoulder, M, against the under side of the bridge-plate arm G.

In lieu of the screw bearing directly upon the stud F, the arm G, or bridge-plate, may be split, and the portions of the split drawn together by a set-screw or screws, or the screw or screws may be arranged to act upon and secure the stud in many other obvious modes, and therefore I do not intend to limit myself to any one particular mode of action.

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

The combination of a stud and set-screw or screws, for holding and fastening the outer end of a hair or balance-spring to a watch-movement, with a bridge-plate, or any equivalent therefor, substantially as described.

CHAS. S. MOSELEY

Witnesses:

WM. F. McNAMARA,

ALEX. F. ROBERTS.