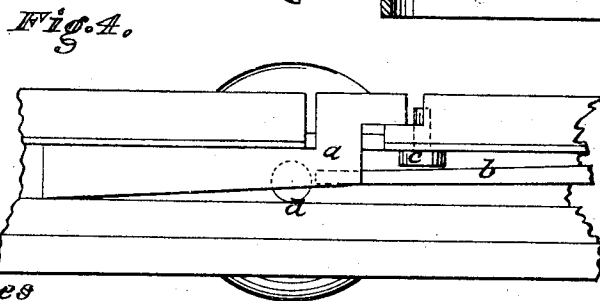
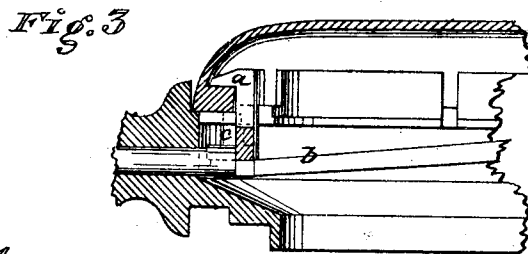
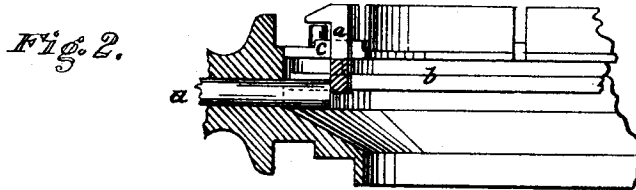
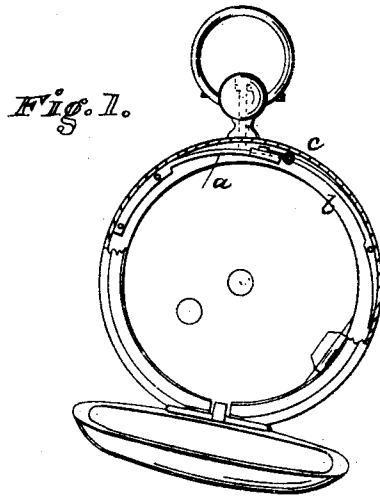


A. A. WOOD.
Watch-Case Spring.

No. 109,989.

Patented Dec. 6, 1870.



Witnesses
Chas. K. Lyon
D. D. Kane.

Inventor
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Atty.

United States Patent Office.

ALFRED A. WOOD, OF CHARLOTTE, MICHIGAN.

Letters Patent No. 109,989, dated December 6, 1870.

IMPROVEMENT IN WATCH-CASES.

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, ALFRED A. WOOD, of Charlotte, in the county of Eaton and State of Michigan, have invented a new and valuable Improvement in Watch-Cases; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a plan view of a watch-case with a portion of the rim broken away, showing my invention.

Figure 2 is a central vertical section, showing the position of the parts when the case is open.

Figure 3 is a similar view, showing the parts with the case closed.

Figure 4 is a view of the inside of the watch, showing the parts in elevation.

My invention relates to means for preventing the wear of the inner edge of the lid of a watch-case; and

It consists in the construction and novel arrangement of a stud and spring, designed to confine the catch-spring in a retracted position until released by the pressure of the face of the lip of the lid on the stud in closing the case.

The letter *a* of the drawing designates the usual catch-spring placed in the rim of a watch-case, and

extending through a slot in the same to secure the lid.

b represents a vertically-acting spring, also secured to the rim of the watch, inside the same, and provided with a small stud, *c*, projecting through a small aperture in the case, at the side, and a little in front of the catch, in such a position that the face of the lip of the lid will strike it full in closing.

When the catch-spring is repressed by the opening-pin *d*, the spring *b* rises between the rim and the catch-spring and keeps the latter retracted. At the same time the stud *c* rises above the opening as the lid flies back.

When the lid is closed the stud *c* is forced down, depressing the stay-spring *b* and releasing the catch-spring, which flies forward at once, securing the lid.

Claim.

The combination of the stud-pin *c*, or its equivalent, and the stay-spring *b*, with the catch-spring *a* of a watch-case, substantially as specified.

In testimony that I claim the above, I have hereunto subscribed my name in the presence of two witnesses.

ALFRED A. WOOD.

Witnesses:

J. W. MUSGRAVE,
A. J. IVES.