

G. P. REED.

Watch Plate.

No. 81,107.

Patented Aug. 18, 1868.

Fig. 1

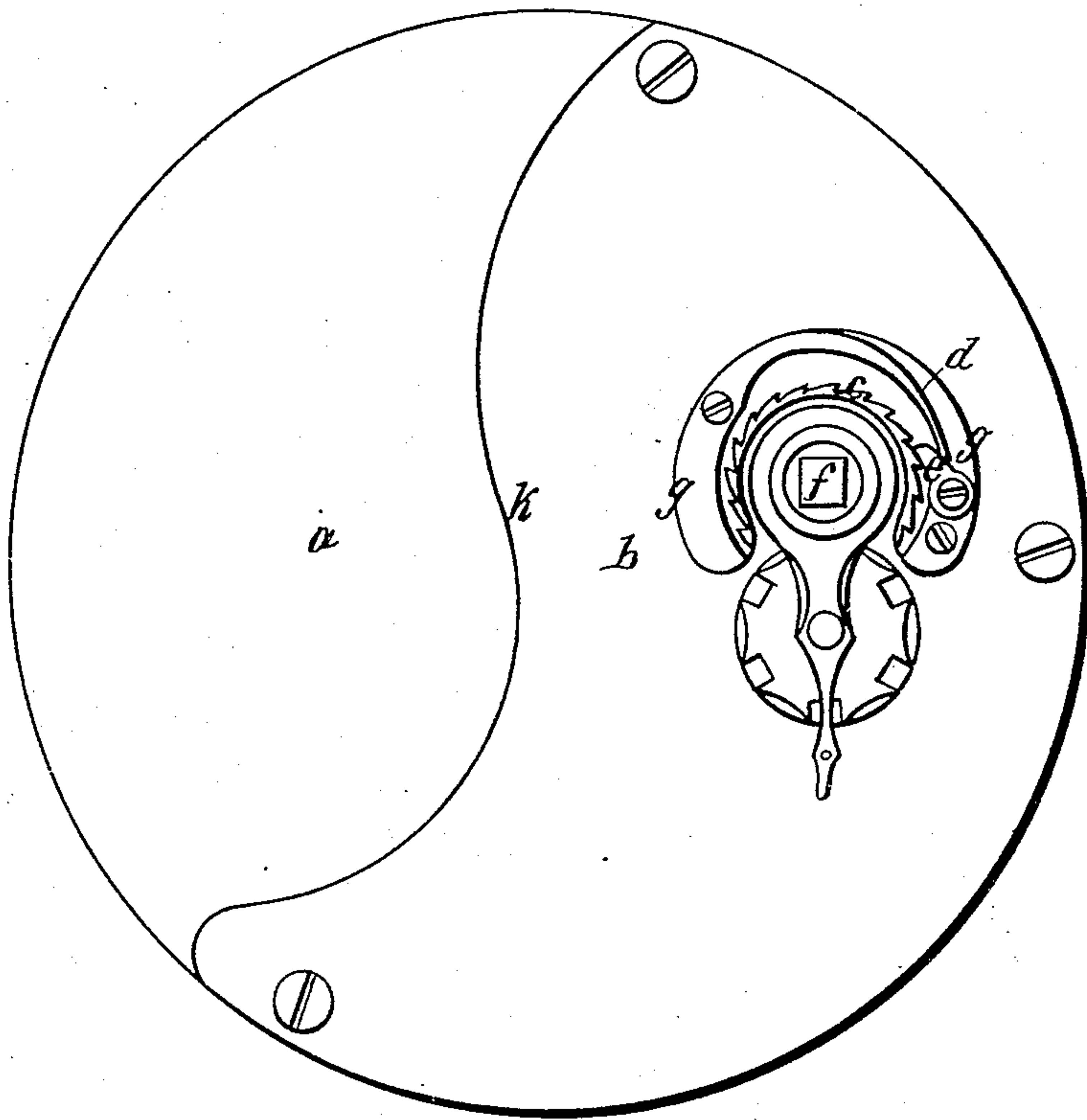
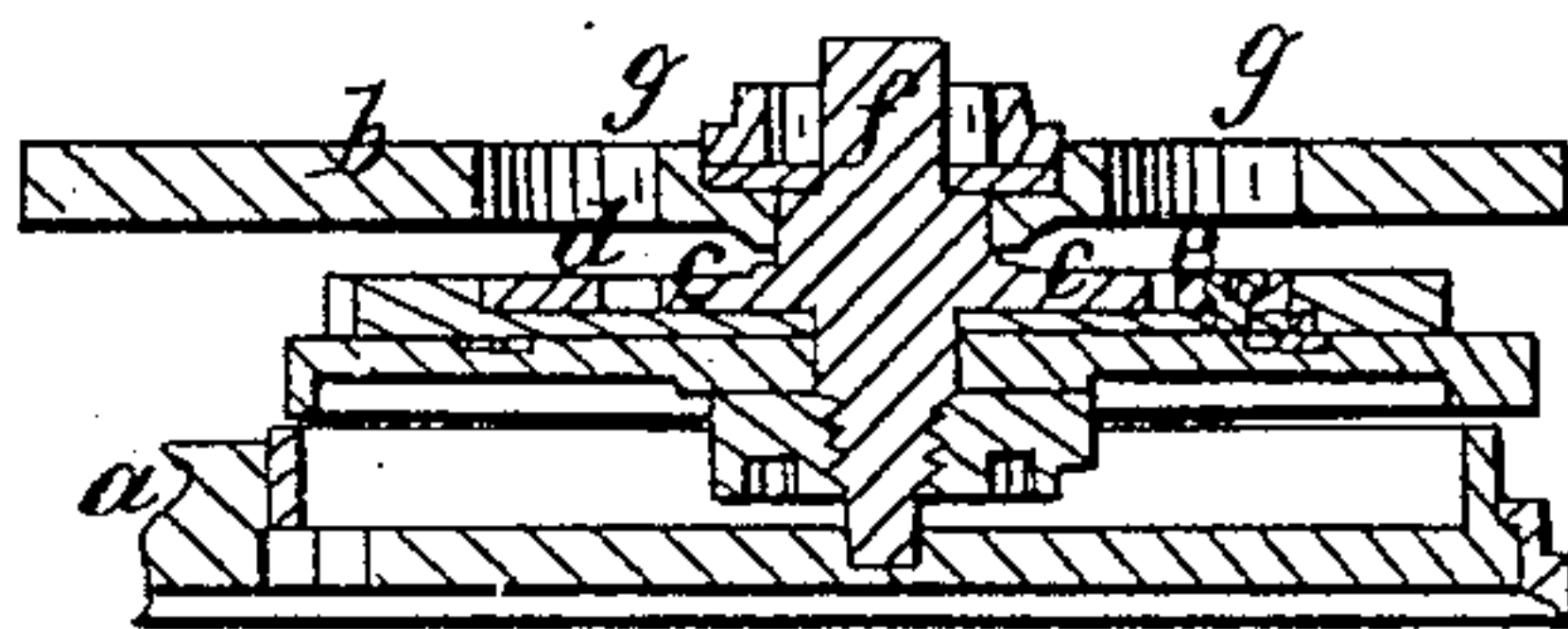


Fig. 2



Witnesses.

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by his attorney.

Frederick Curtis

United States Patent Office.

GEORGE P. REED, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 81,107, dated August 18, 1868.

IMPROVEMENT IN WATCHES.

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

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Be it known that I, GEORGE P. REED, of Boston, in the county of Suffolk, and Commonwealth of Massachusetts, have made an invention of a new and useful Improvement in Watches; and do hereby declare the following to be a full, clear, and exact description thereof, due reference being had to the accompanying drawings, making part of this specification, and in which—

Figure 1 is a top view, and

Figure 2 a transverse section of the stop-works plate and the works of the watch immediately connected with its winding-arbor.

In the construction of many modern watches, it has been deemed desirable, in place of the narrow bridge formerly employed for supporting the stop-works and winding-arbor, to employ a three-quarters plate, as it is termed, or one covering three-quarters or thereabouts of the area of the circular plate.

My present invention relates, when the three-quarters plate is used, to means for permitting of easy access being had to the spring and click of the winding-ratchet, for the purpose of letting down the main-spring, previous to taking the watch apart, my invention being useful in watches in which the said ratchet, and spring, and click are applied directly to and revolve with the main wheel, and being particularly applicable to the construction of parts shown in United States Letters Patent issued to me on the 14th day of April, 1857, and subsequently reissued on the 24th day of November, 1857.

My mode of accomplishing the above-mentioned result is to form in and through the plate which supports the stop-works and winding-arbor, and partially around the winding arbor, or orifice of any suitable shape, such orifice being disposed opposite the spring and click, and a portion of the periphery of the winding-ratchet, by means of which, as before premised, immediate and easy access may be had to such parts, for the purpose of removing the click from the teeth of the ratchet.

In the drawings above referred to, as accompanying this specification, *a* denotes the pillar-plate of a watch, and *b* the plate supporting the stop-works and winding-arbor.

The winding-ratchet of the watch is shown at *c*, and its spring and click at *d* and *e*, respectively, the winding-arbor being seen at *f*; the disposition of the above-mentioned parts, and their combination with the main wheel and the stop-works plate, as well as the form of the latter, being substantially the same as in Letters Patent before referred to.

The orifice before mentioned is shown, at *g*, as made in or through the plate *b* and partially surrounding the winding-arbor, and being, in this particular instance, concentric therewith, and of a form of a sector of a circle.

I claim forming an orifice in the top on stop-works plate of a watch, and partially or wholly surrounding the winding-arbor thereof, such orifice being disposed above or opposite the main wheel and winding-ratchet, and the spring and click of the latter, essentially in manner, and to operate as herein shown and described.

GEO. P. REED.

Witnesses:

EDWARD GRIFFITH,
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