J. GORDON.

Watch.

No. 27,281.

Patented Feb. 28, 1860.

Fig. 2.

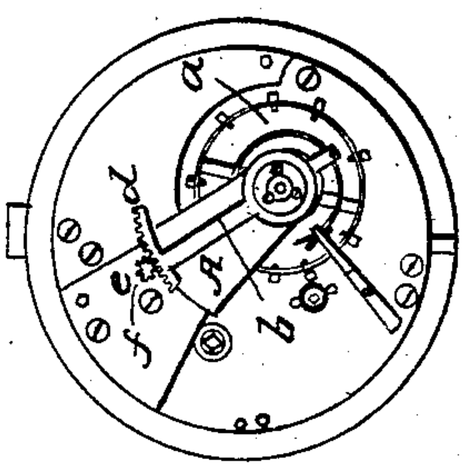


Fig. 3.

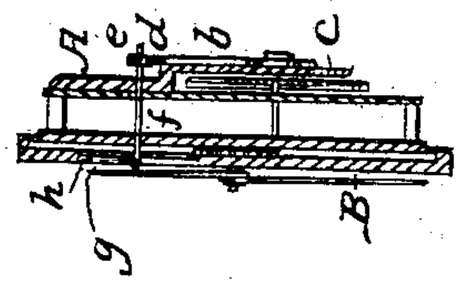
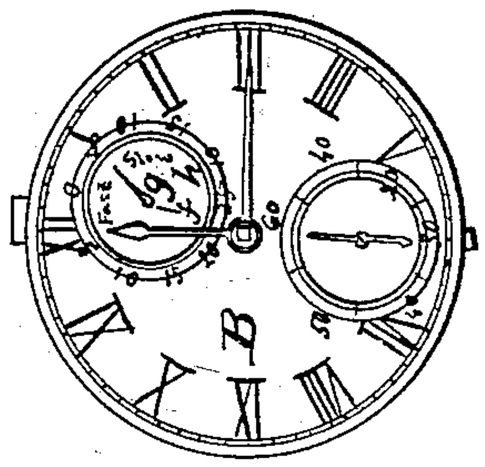


Fig. 1.



Witnesses:

A. Brandegee

F. C. Dumont

Inventor.

John Gordon

UNITED STATES PATENT OFFICE.

JOHN GORDON, OF NEW LONDON, CONNECTICUT.

WATCH.

Specification of Letters Patent No. 27,281, dated February 28, 1860.

To all whom it may concern:

Be it known that I, JOHN GORDON, of New London, in the county of New London and State of Connecticut, have invented a new and useful Improvement in Watches; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1, is a face view of a watch movement with my invention applied. Fig. 2, is a back view of the same. Fig. 3, is a central section of the same.

Similar letters of reference indicate corresponding parts in the several figures.

To enable others skilled in the art to apply my invention I will proceed to describe its construction and operation.

a, is the hair spring applied in the usual manner.

b, is the curb lever applied on the exterior of cock A, in a well known manner and having the curb pins *c*, attached and applied to the hair spring in the usual way.

d, is the toothed segment made in one piece or otherwise permanently attached to the curb lever and having its pitch line concentric with the fulcrum of the curb lever and staff of the balance.

e, is the pinion which gears with the segment, and *f*, its arbor passing right through the dial the potence plate and the cock A; and *g*, is the hand attached to the said arbor outside of the dial B, where a circular recess *h*, is provided for it that it may not stand up above the face of the dial. Around the margin of this recess *h*, is a circular scale which is graduated in the following manner.

When the watch is completed and thoroughly adjusted to run on mean time, I place the hand *g*, on the arbor *f*, of the pinion and secure it so that it stands straight up toward the figure 0, which is marked on the circle described around the arbor. I then move the hand around half the circle in either direction and ascertain how many seconds the watch gains or loses in an hour and mark the number of seconds opposite to the figure 0, and divide each half of the circle into that number of equal parts, and after this the watch may be at any time regulated by turning the hand *g*, in either direction, toward fast or slow, as many divisions of the circle as the watch gains or loses seconds in an hour. The regulation is thus enabled to be effected positively with the greatest accuracy without any difficulty as the curb lever is moved almost imperceptibly with a very considerable movement of the hand *g*, and what is of great importance this is done without opening the inner case and thereby exposing the works to dust and running the risk of breakage.

I do not claim broadly the attachment of a toothed segment to the curb lever, but:

What I claim as my invention and desire to secure by Letters Patent, is—

The employment in combination with the elongated toothed curb lever (*b*) of the arbor *f*, when the said arbor passes through the dial, potence plate and cock and is provided at one end with a pinion (*e*) which gears with the teeth of the curb lever, and at the other end, with a hand *z*, which moves over the surface of a recess *h* in the dial which recess has a graduated scale, all as and for the purpose herein shown and described.

JOHN GORDON.

Witnesses:

A. BRANDEGEE,

F. C. LEONARD.