(No Model.)

S. C. SCOTT.

STOP WATCH.

No. 303,058. Patented Aug. 5, 1884.

Fig. 1.

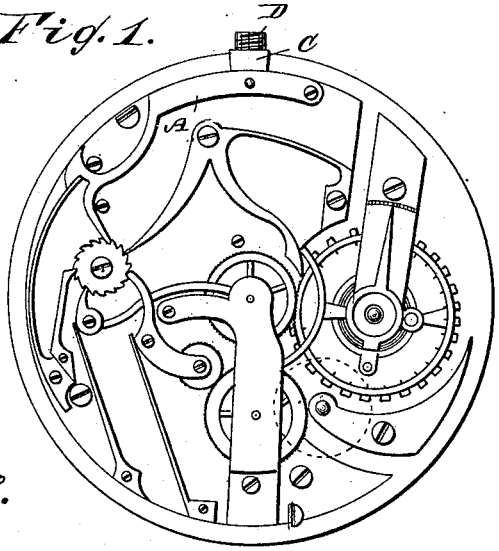


Fig. 3.

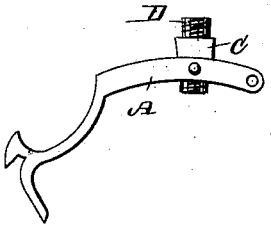


Fig. 6.

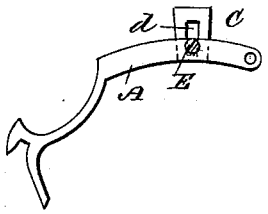


Fig. 4.

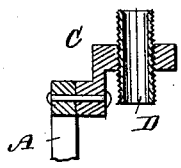


Fig. 2.

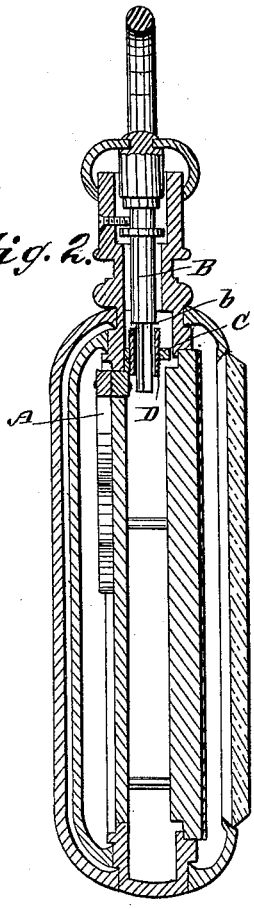


Fig. 7.

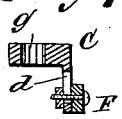


Fig. 5.

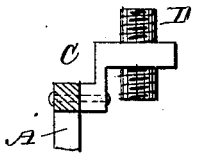
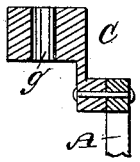


Fig. 8.



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UNITED STATES PATENT OFFICE.

SAMUEL C. SCOTT, OF BROOKLYN, NEW YORK.

STOP-WATCH.

SPECIFICATION forming part of Letters Patent No. 303,058, dated August 5, 1884.

Application filed December 1, 1883. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL C. SCOTT, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Chronograph-Watches, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved attachment for chronograph-watches, to permit fitting the movements in any cases of corresponding size without requiring any cutting or filing of the case.

The invention consists in an adjustable hollow arbor, which is attached to or is a part of the arm of the lever for operating the chronograph mechanism of a watch-movement, which arbor is to receive the square winding-arbor of the watch, the shoulder of which winding-arbor operates the said lever.

Reference is to be had to the accompanying drawings, forming part of this specifiation, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a face view of the works of a chronograph-watch provided with my improvement. Fig. 2 is a longitudinal sectional elevation of the same. Fig. 3 is a longitudinal view of the lever for throwing the chronograph mechanism, showing my improved attachment or adjustable arbor on the same. Fig. 4 is a cross-sectional view of the lever and arbor. Fig. 5 is a side view of the arbor. Fig. 6 is a longitudinal view of the lever, showing a modified construction of the arbor. Fig. 7 is a cross-sectional view of the arbor shown in Fig. 6. Fig. 8 is a cross-sectional view of another modification of the arbor.

My attachment is to be applied on that class of chronograph-watches in which the lever A for starting or throwing the chronograph mechanism is operated by the push-pin B.

A short distance from the pivoted end of the lever A an angular arm, C, is secured to the same, which arm is provided with a threaded aperture, into which an externally-threaded tube, D, is screwed. The push-pin B is provided with a shoulder, *b*, which rests on the upper end of the tube D. This shoulder is not in precisely the same place in all watch-cases, and often it is too long or too short to enable it to act directly on the lever A. The tube D is screwed in or out, more or less, until the shoulder *b* can rest on the same. The watch-movement can thus be fitted in the case and adjusted to the same without requiring any parts of the case to be cut or filed.

In place of providing the threaded tube, the angular arm can be adjustable on the lever by a screw, E, passed through a slot, *d*, in the upright shank of the arm, as in Figs. 6 and 7. The shoulder *b* then rests on the outwardly-projecting shank of the arm, which shank is provided with an aperture, *g*, for the lower end of the push-pin. If desired, the angular arm can be fixed to the lever A, as shown in Figs. 1 to 5 and 8. The outwardly-projecting shank of the arm C may also be made thicker, as in Fig. 8, so that it can be filed down to fit the case, the said shank being provided with an aperture, *g*, for the lower part of the push-pin. In all cases I provide a hollow adjustable arbor, which is attached to the lever for throwing the chronograph mechanism.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A hollow arbor or attachment for receiving the winding-arbor, which hollow arbor is attached to or is a part of the arm of the lever for throwing the chronograph mechanism of a watch, substantially as herein shown and described.

2. The combination, with a lever for throwing the chronograph mechanism of a watch, of an adjustable hollow arbor for receiving the winding-arbor, which hollow arbor operates the lever, substantially as herein shown and described.

3. The combination, with a lever for throwing the chronograph mechanism of a watch, of an arm which is secured to said lever, and of an externally-threaded tube held in the said arm, substantially as herein shown and described.

4. The combination, with a lever for throwing the chronograph mechanism of a watch, of adjustable socket on said lever, substantially as herein shown and described.

SAMUEL C. SCOTT.

Witnesses:
OSCAR F. GUNZ,
C. SEDGWICK.