G. BRAUNSCHWEIG.

CLOCKWORK.

APPLICATION FILED APR. 26, 1919.

1,338,609. Patented Apr. 27, 1920.

Fig. 1.

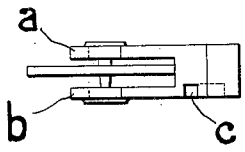
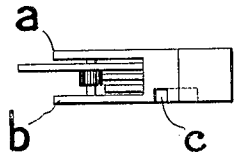


Fig. 3.



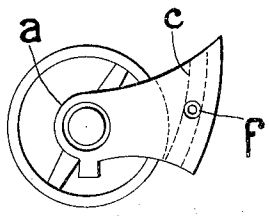


Fig. 2.

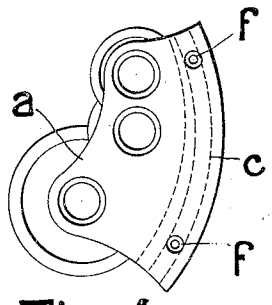


Fig. 4.

Fig. 5.

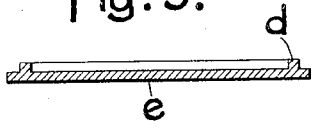
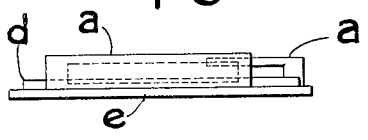


Fig. 7.



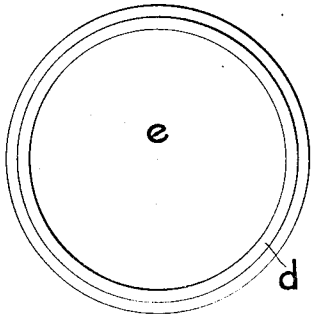


Fig. 6.

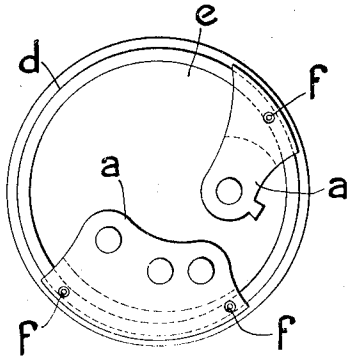


Fig. 8.

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UNITED STATES PATENT OFFICE.

GEORGES BRAUNSCHWEIG, OF CHAUX-DE-FONDS, SWITZERLAND.

CLOCKWORK.

1,338,609. Specification of Letters Patent. Patented Apr. 27, 1920.

Application filed April 26, 1919. Serial No. 292,944.

To all whom it may concern:

Be it known that I, GEORGES BRAUNSCHWEIG, a citizen of the Swiss Republic, and resident of Chaux-de-Fonds, Switzerland, have invented new and useful Improvements in Clockworks, of which the following is a full, clear, and exact specification.

This invention relates to a device for mounting one or more moving parts of a clock movement, consisting of a bridge having two branches placed opposite to each other so as to form a double bridge to carry the bearings of one or more of the movable parts between its branches.

The essential feature of the invention resides in that the double bridge is mounted to slide on a supporting piece by means of a rib on one part engaging a groove on the other part; thus the double bridge can be adjusted in position along a relatively long guide-race insuring proper adjustment and setting of the bridge so as to avoid any manually operated regulating device for the adjusting purposes.

The accompanying drawings illustrate several constructions in accordance with the invention.

Figure 1 is a side elevation and Fig. 2 a plan of a form suitable for mounting the balance wheel of a watch.

Figs. 3 and 4 are like views respectively of a form suitable for mounting several movable parts of a watch.

Figs. 5, 6, 7 and 8 show a form in which there are two double bridges similar to that shown in Figs. 1 to 4 assembled by adjustment in a circular path on a watch plate having a circular rib, this plate being shown separately in Figs. 5 and 6.

In all the forms the mounting device comprises a bridge having two oppositely placed branches *a*, *b* forming a double bridge having holes for the bearings of the arbors of one or more movable pieces carried between its branches. As shown in the drawings, this double bridge is made in a single piece but it may equally well be made in several pieces fitted together. The bearing holes in the branches of the double bridge may be lined with inserted jewels or with cups, which may be jeweled or not, and may be driven in, screwed in or otherwise fixed.

On its under surface each double bridge has an arc-shaped groove *c* adapted to engage, as shown in Figs. 7 and 8, with a circular guiding rib *d* on a watch plate *e* so as to be adjustable in a circular path, as may be required to suit the positions that the movable part or parts, which the bridge carries, are to have, whereby regulation of the various parts becomes possible. One or more screws *f* serve to fix the bridge or bridges on this rib *d* to insure the correct position. The double bridges may also be adjusted on a circle or any other supporting piece of suitable form, and instead of the engagement being between the base of each bridge and the supporting piece it may be between the latter and the periphery of the bridge. In Figs. 7 and 8 the guiding rib *d* also serves for the circular adjustment of the two bridges shown in the figures.

What I claim is:

1. In clockworks, a device for mounting one or more movable parts of the clock movement, comprising a supporting piece and a bridge having two oppositely faced branches so as to form a double bridge for carrying within its branches the bearings of the movable part or parts, said double bridge being mounted by means of a rib and groove connection on said supporting piece and provided with means for maintaining it in its position thereon, substantially as described.

2. In clockworks, a device for mounting one or more movable parts of the clock movement, comprising a supporting piece and a bridge having two oppositely faced branches so as to form a double bridge for carrying within its branches the bearings of the movable part or parts, an arc-shaped groove being provided on said double bridge and a corresponding arc-shaped rib being provided on said supporting piece to slidably receive said double bridge by its groove, and means being arranged to maintain said double bridge in its position, substantially as described.

In witness whereof I have hereunto signed my name this 27th day of March, 1919, in presence of two subscribing witnesses.

GEORGES BRAUNSCHWEIG.

Witnesses:
H. J. STEHLIN,
ED. MULLER.