

L. A. FALLER.
WATCH BARREL.
APPLICATION FILED OCT. 14, 1907.

FIG. 1.

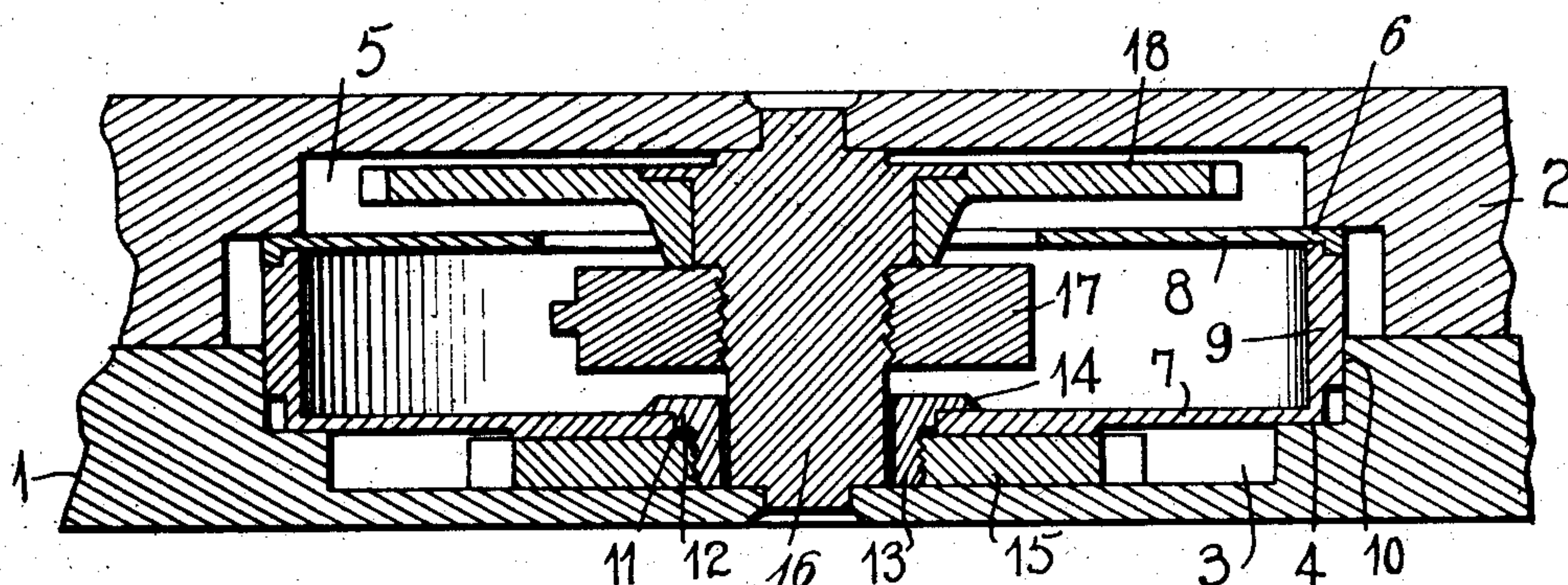


FIG. 2.

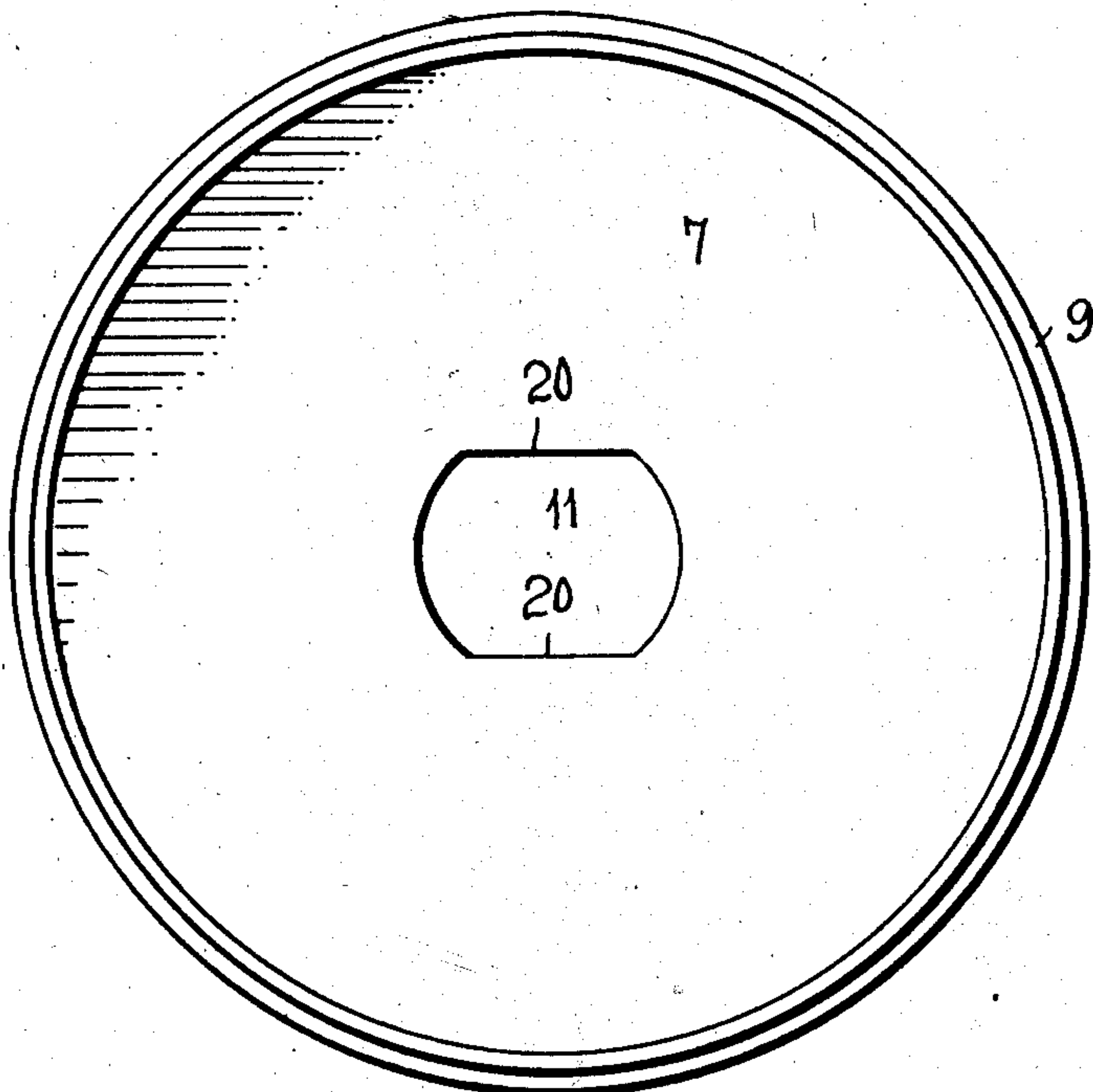
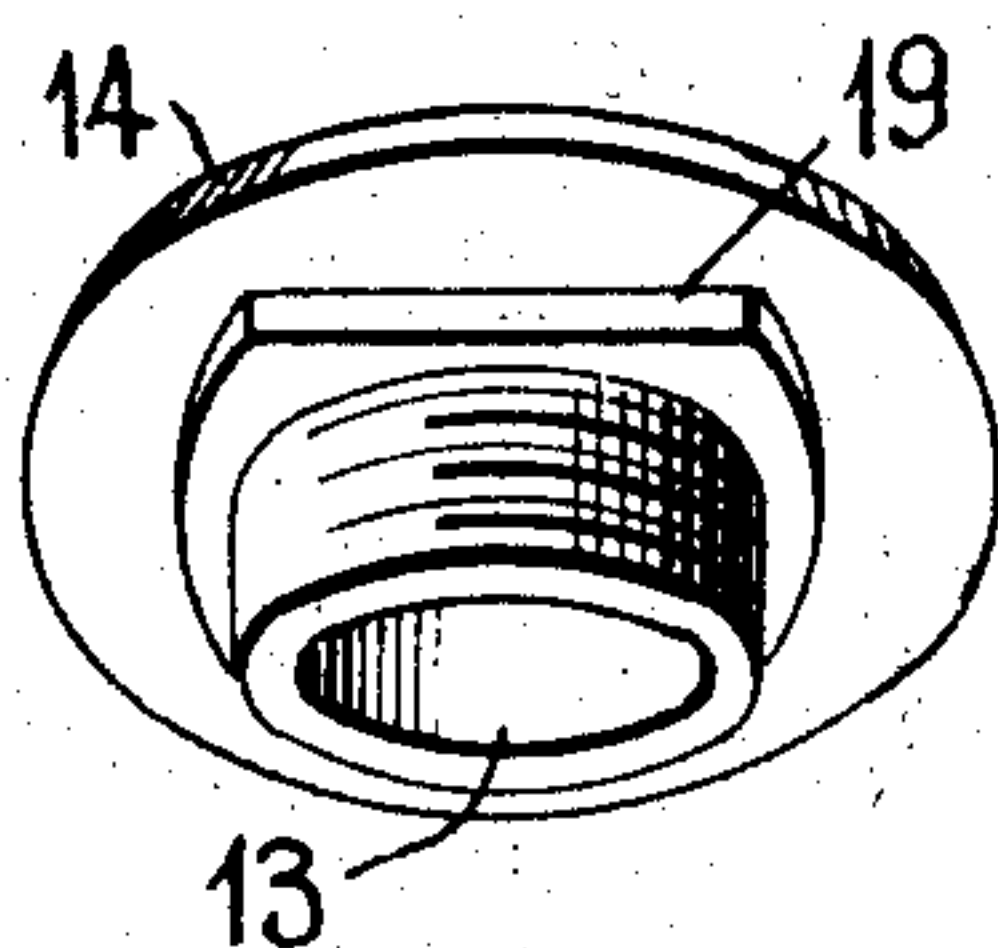


FIG. 3.



Witnesses
L. B. James
E. O. Hulston

Inventor
L. A. FALLER
by *H. B. Wilson & Co.*
Attorneys

UNITED STATES PATENT OFFICE.

LEWIS ALBERT FALLER, OF NASHVILLE, TENNESSEE, ASSIGNOR OF ONE-FOURTH TO STIEF JEWELRY CO., OF NASHVILLE, TENNESSEE.

WATCH-BARREL.

No. 886,196.

Specification of Letters Patent.

Patented April 28, 1908.

Application filed October 14, 1907. Serial No. 397,417.

To all whom it may concern:

Be it known that I, LEWIS ALBERT FALLER, a citizen of the United States, residing at Nashville, in the county of Davidson and State of Tennessee, have invented certain new and useful Improvements in Watch-Barrels; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to watch barrels, and more particularly to the means for securing the barrel in position; and it has for its object to provide a very simple and efficient means of securing the barrel within the movement, as will be hereinafter more particularly set forth.

In the accompanying drawings, which illustrate the invention, Figure 1 is a broken sectional view taken through a watch barrel; Fig. 2 is a plan view of the barrel with the cover removed; and Fig. 3 is an inverted perspective view of the hub.

Referring more particularly to the drawings, which are for illustrative purposes only, and, therefore, are not drawn to any particular scale, 1 indicates the plate of a watch and 2 the bridge piece secured thereto in any ordinary manner. The plate is provided with a circular recess or cavity, 3, which is provided with a shoulder 4, and the bridge 2 is provided with a recess or cavity 5 and a shoulder 6. These cavities are arranged to face each other, and the barrel 7 is mounted therein with its bottom resting on the shoulder 4, and its top or cover 8 being engaged by the shoulder 6. The periphery of the barrel or the lower portion of the outer surface of the wall 9 is adapted to engage with the wall 10 of the cavity 3 above the shoulder 4 and thereby cause the barrel to be held concentrically within said cavity at all times, yet permitting its free rotation when necessary.

The bottom of the barrel is provided with an opening 11 through which the shouldered portion 12 of a hub 13 projects, and is adapted to be held against rotation, as by making the opening irregular in outline and forming the hub in corresponding cross section. The inner end of the hub is provided with a head or flange 14, which is adapted to be held in firm engagement with the bottom of the barrel by means of a nut, 15, on the outside

of the barrel, the shouldered portion 12 of the hub being slightly shorter than the thickness of the bottom, 7, so as to permit of the bottom being firmly clamped between the head 14 of the hub and the nut 15. The nut 15 is preferably in the form of the ordinary click wheel for holding the barrel against rotation in the ordinary manner. The shoulder 6 of the bridge 2 is adapted to engage with the cover 8 and thereby hold it against displacement.

The hub 13 is hollow or provided with a longitudinal opening through which the main wheel arbor 16 projects, the ends of the arbor being journaled in the plate 1 and bridge 2 in the ordinary manner. The spring in the barrel is connected with the arbor by means of the hub 17 in the usual manner, but is not shown in the drawings, and the arbor is provided with a main wheel 18.

By constructing the parts as above described, it will be evident that the barrel may be arranged eccentrically or concentrically with the arbor as may be desired, as the opening through the hub 13 may be made large enough to permit of its being arranged eccentrically to the arbor when desired, as the barrel is held against lateral movement by the shoulder 10, and does not necessarily depend upon the arbor for its support. By making the hub as a separate piece, the construction is very much simplified, as it can be made in the usual manner, after which two of its sides, as 19, may be flattened or made parallel with each other and the opening 11 can have two of its walls flattened, as shown at 20, to correspond therewith. The hub is inserted into the barrel from the interior, and the nut screwed onto it upon the exterior of the barrel, and the device is complete ready for being assembled or united with the other parts that necessarily coact therewith.

Having described my invention, I claim:—

1. In a watch barrel, a substantially cylindrical casing having an opening in its bottom, two of the walls of said opening being straight and parallel with each other, a hollow hub in said opening, the body of which is shouldered and has two of its sides flattened to correspond with said straight walls, the length of said shoulder being less than the thickness of the bottom of the barrel, one end of said hub being provided with a flange and the opposite end being screw-threaded, and

a screw-threaded click wheel secured upon said screw-threaded end and adapted to clamp the bottom of the barrel between itself and the flange upon the inner end of the hub.

- 5 2. In a watch, a plate provided with a circular recess having a shoulder at its bottom, a bridge provided with a shouldered recess opposite the recess in the plate, a barrel rotatably mounted in the recess of the plate
10 and resting upon said shoulder, a cover for the barrel adapted to be engaged by the shoulder in the bridge, a hollow hub through the bottom of the cover provided with a

flange upon its inner end and having its outer end screw-threaded, and a click wheel 15 screwed upon said end of the hub and seated between the bottom of the barrel and the bottom of the recess in said plate.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses. 20

LEWIS ALBERT FALLER.

Witnesses:

JOHN GWINNER, Jr.,
JNO. P. CARR.