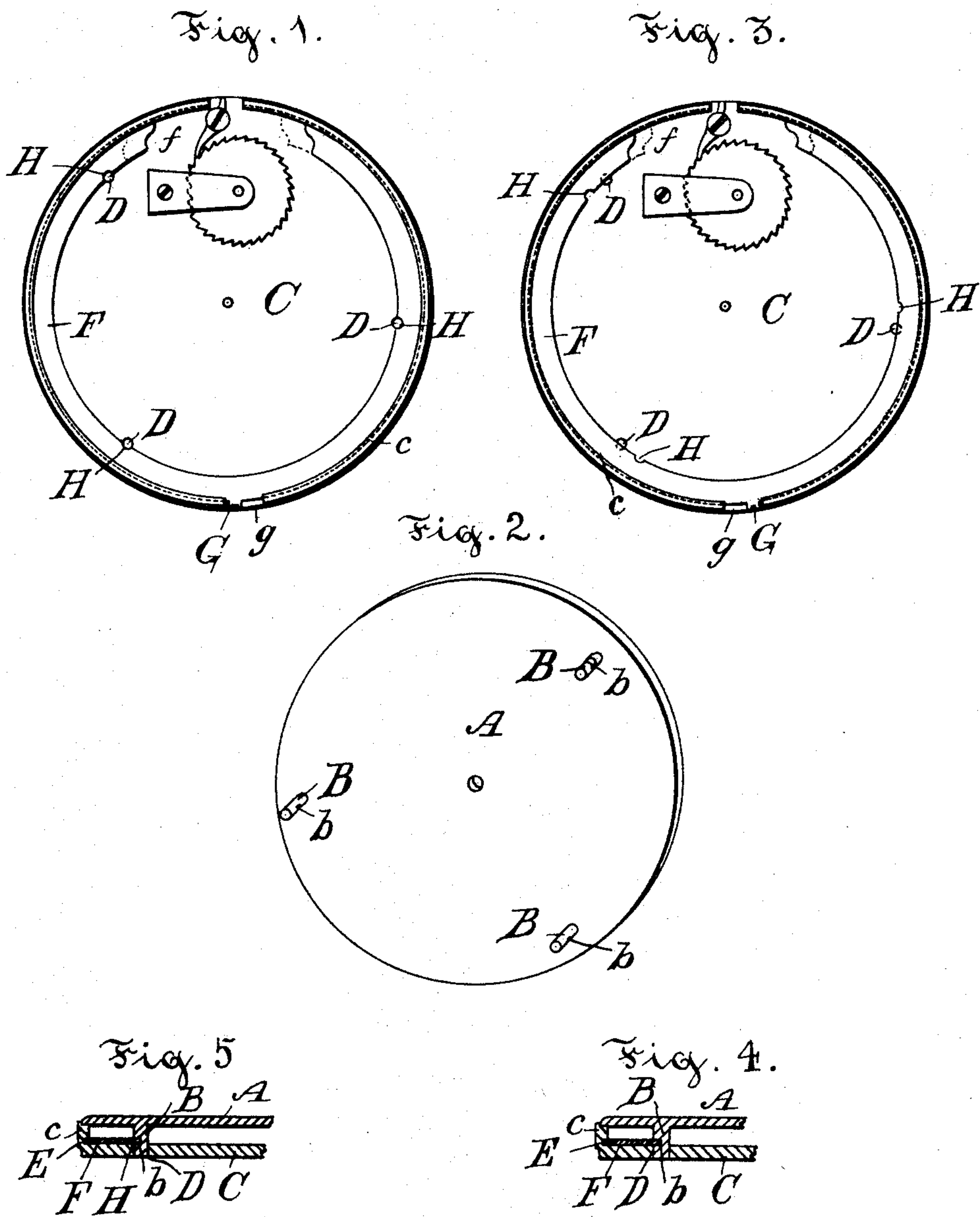


(No Model.)

S. LAPORTE.
DIAL FASTENING FOR WATCHES.

No. 506,824.

Patented Oct. 17, 1893.



Witnesses:
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UNITED STATES PATENT OFFICE.

SAÛL LAPORTE, OF OTTAWA, CANADA, ASSIGNOR OF ONE-HALF TO
JOSEPH COURSOLLE, OF SAME PLACE.

DIAL-FASTENING FOR WATCHES.

SPECIFICATION forming part of Letters Patent No. 506,824, dated October 17, 1893.

Application filed May 18, 1893. Serial No. 474,647. (No model.)

To all whom it may concern:

Be it known that I, SAÛL LAPORTE, a citizen of Canada, residing in Ottawa, in the county of Carlton, in the Province of Ontario, Canada, have invented certain new and useful Improvements 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 a part hereof.

The object of my invention is to provide a fastening whereby the dial of a watch may be secured to the watch plate and can be easily and expeditiously manipulated, so that repairs may be readily made. It has been the practice heretofore, to secure the dial by means of pins passing through perforations made in the feet of the dial, which however must project through the plate. Latterly the practice has been to use very fine screws inserted in the periphery of the plate and screwing into the feet. In this case no projection of the feet was necessary, but the screws being so fine, frequently became rusted or otherwise fastened in the plate, that they broke or were unfit for re-use; and sometimes being lost while repairing the watch. The device I make use of for overcoming these defects will be hereinafter described.

Referring to the drawings—Figure 1 is a view of the bottom plate showing the side next the dial. Fig. 2 is a view, in perspective of the dial showing the feet. Fig. 3 is a similar view to Fig. 1, but showing my device in the locked position. Fig. 4 is an enlarged section through one of the feet showing it when locked. Fig. 5 is a similar section unlocked.

A is the dial of a watch having the usual feet B. A notch *b* is formed in each of these feet B on the side facing the periphery of the dial.

The bottom plate C is made in the usual manner with a rim *c* and perforations D for the feet B, and is provided with the usual bearings and jewels for the works of the watch. An annular groove E is made in the inner surface of the rim *c*, close to the plate C, in which slides rotatively the flat spring ring F. This ring is not complete however, a portion being cut away at *f* to allow the expanding of said ring, and room for the stem winding

mechanism, and also to facilitate the holding in position. A projection G is formed which passes through the rim, which is cut away at *g* for this purpose. This limits the rotation of the ring F, but allows sufficient movement. Notches H are cut in this ring registering with the perforations D, when in the position shown in Fig. 1. It will thus be seen that when the ring F is in the position shown in Fig. 1, the feet B may be inserted in the perforations D and that by rotating the ring F a short distance by means of the projection G, to the position shown in Fig. 3 the ring F will engage the notches *b* and securely hold the dial to the plate. The operation is quick and at the same time effective.

The ring may be made to suit different makes of watches and portions may be cut out to accommodate any obstructions that may encroach.

Having now fully described my invention, what I claim is—

1. In a device for securing the dial of a watch to the plate the combination with a watch dial having notches cut in the feet, and a spring ring rotatively sliding in a groove formed in the rim of the plate, notches cut in the said ring for the passage of the said notched feet and means for partially rotating the said ring, substantially as set forth.

2. In a device for securing the dial of a watch to the plate the combination with the plate of a watch having perforations to receive the dial feet and the ring F, rotatively sliding in a groove formed in the rim of the plate, a projection G passing through a cut away portion of the said rim, notches H in the said ring, the said ring being adapted to engage notches cut in the feet of the dial, substantially as set forth.

3. In a device for securing the dial of a watch to the plate the combination with the ring F, cut away at *f*, notches H, and projections G of the feet B, having notches *b*, substantially as set forth.

Signed at Ottawa this 29th day of April, 1893.

SAÛL LAPORTE.

In presence of—

ALFRED GINGRAS,
A. E. DUFOUR.