(No Model.)

F. F. IDE.

DEVICE FOR SECURING DIALS TO WATCHES.

No. 419,525. Patented Jan. 14, 1890.

Fig. 1.

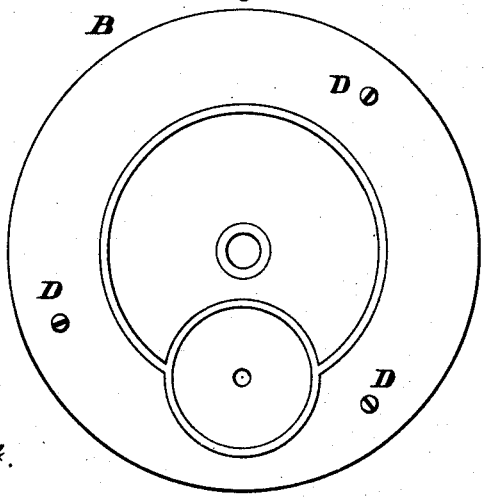


Fig. 4.

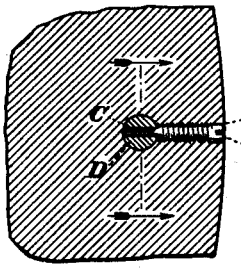


Fig. 6.

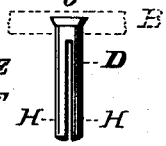


Fig. 7.

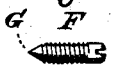


Fig. 5.

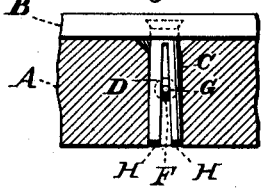


Fig. 2.

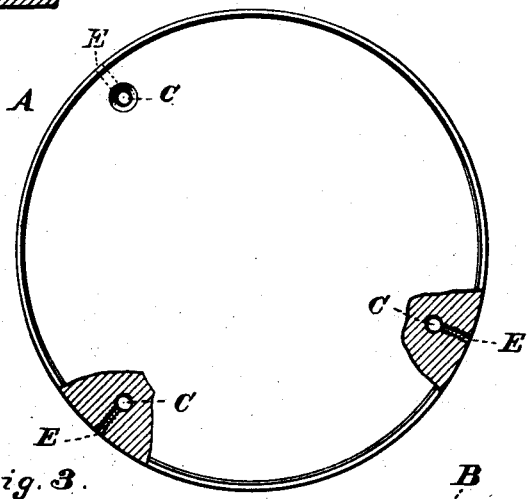
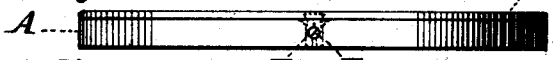


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

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DEVICE FOR SECURING DIALS TO WATCHES.

SPECIFICATION forming part of Letters Patent No. 419,525, dated January 14, 1890.

Application filed July 12, 1889. Serial No. 317,259. (No model.)

To all whom it may concern:

Be it known that I, FERDINAND F. IDE, a citizen of the United States, and a resident of Peoria, in the county of Peoria and State of Illinois, have invented certain new and useful Improvements in Devices for Securing Dials to Watch-Plates; 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of this invention, and is a view of the under side of the dial. Fig. 2 is a top view of the watch-plate. Fig. 3 is an edge view of the plate and dial. Figs. 4, 5, 6, and 7 are details.

This invention has relation to means for securing dials to watch-plates; and it consists in the novel construction and combination of parts, as hereinafter set forth.

In the accompanying drawings, the letter A designates the watch-plate, to which the dial B is attached. This plate is provided with the apertures C, which receive the feet D of the watch-dial, said feet being metallic studs, which are divided or split endwise, the cleft being radial with relation to the center of the dial-plate. Communicating with each aperture C is a threaded perforation E, which extends inward from the edge of the plate radially, as shown, its direction being at right angles to the axis of the aperture C.

F is a small screw, which is designed to enter the perforation E and engage its thread. This screw has a conical pointed end G, which, when said screw is driven home, is designed to enter the cleft of the foot of the dial-plate and to spread the branches H H thereof to cause the latter to engage the wall of the aperture C. In this manner the dial is firmly and securely fastened to the watch-plate without using force or upsetting the stud, and the dial can be removed when necessary and replaced with the greatest facility.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. The dial having the radially-cleft feet adapted to be spread in their seats in the watch-plate to fasten the same thereto, substantially as specified.

2. The combination, with the watch-plate having threaded perforations communicating at right angles with the apertures C, of the dial having radially-cleft feet and the pointed fastening-screws, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

FERDINAND F. IDE.

Witnesses:

W. W. HAMMOND,

H. A. LEONARD.