

(No Model.)

S. F. STOVER.

STAFF AND JEWEL PROTECTOR FOR WATCHES.

No. 252,062.

Patented Jan. 10, 1882.

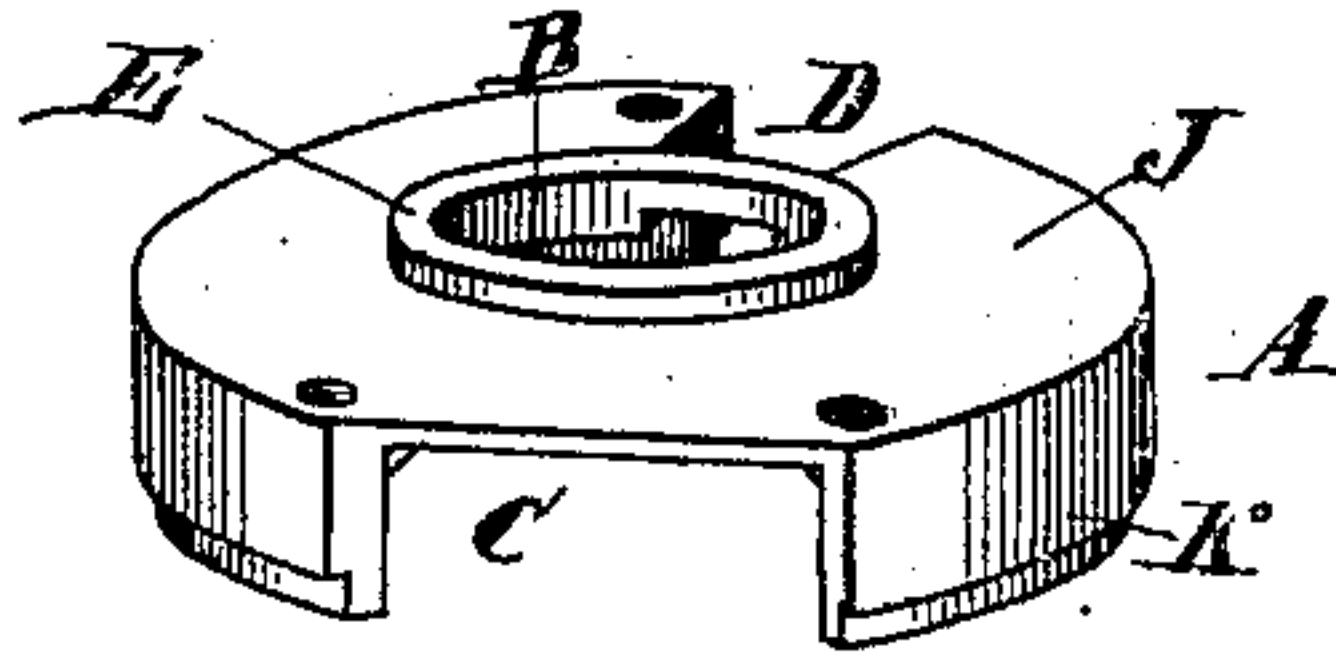


Fig. 1

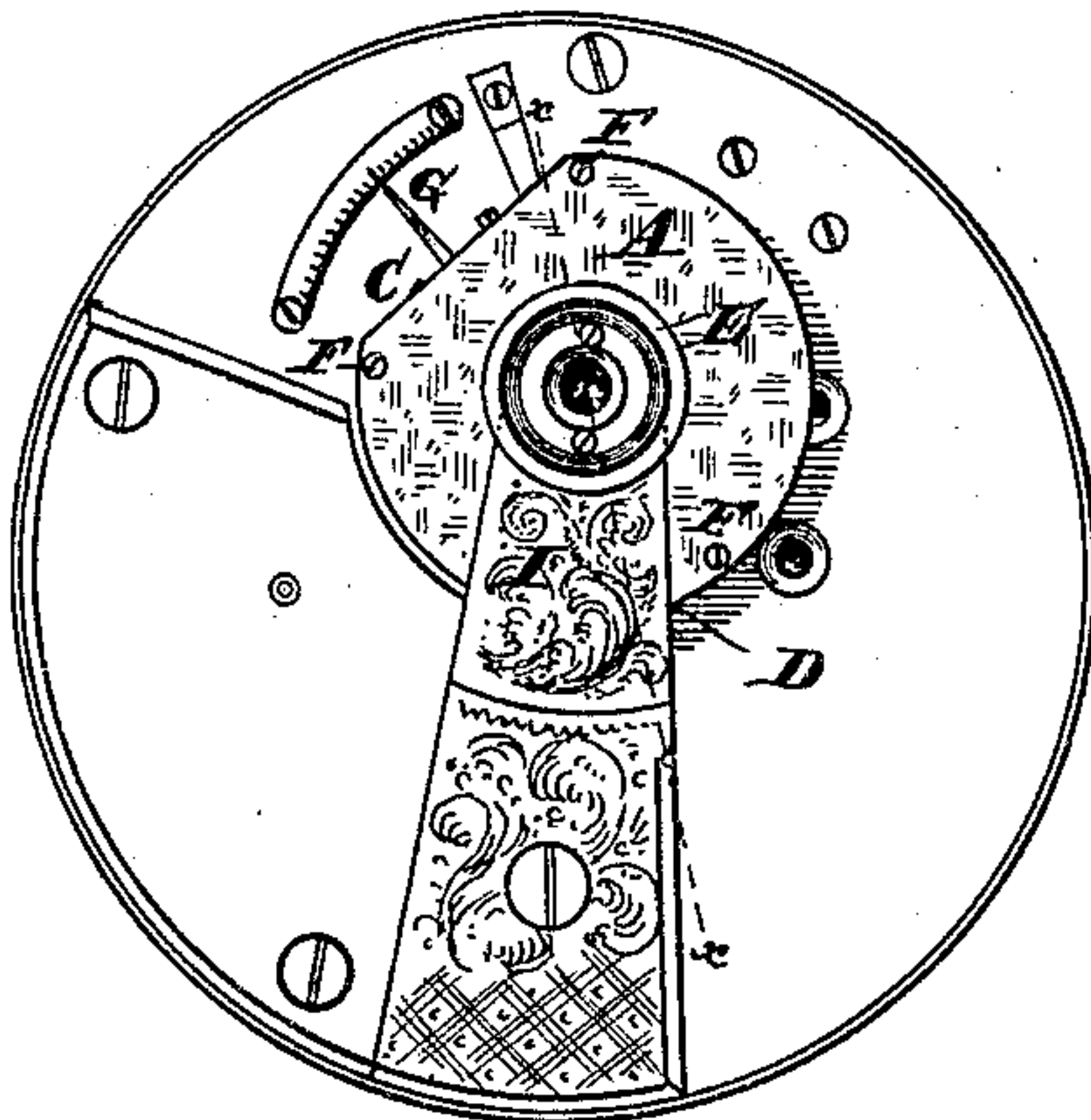


Fig. 2

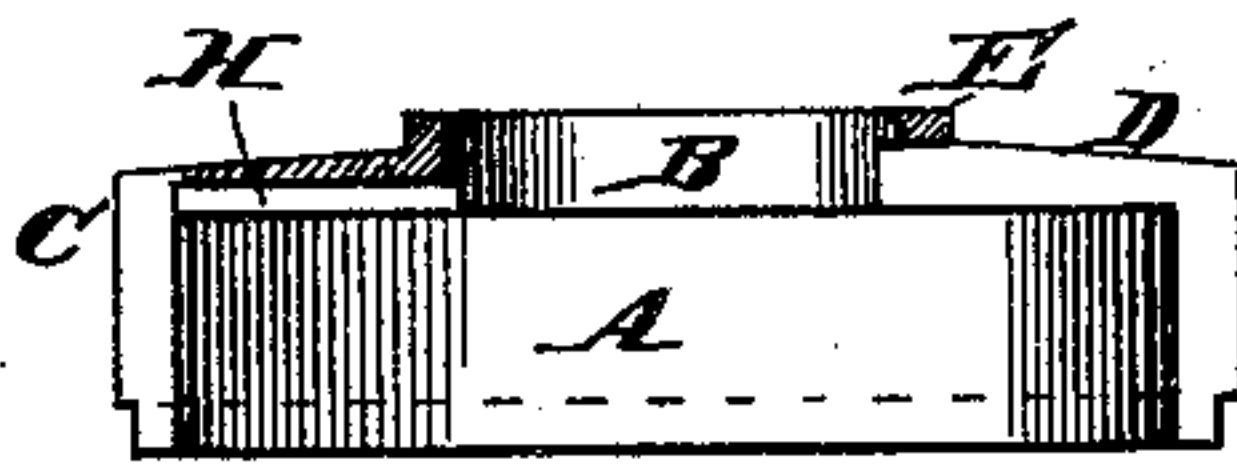


Fig. 3

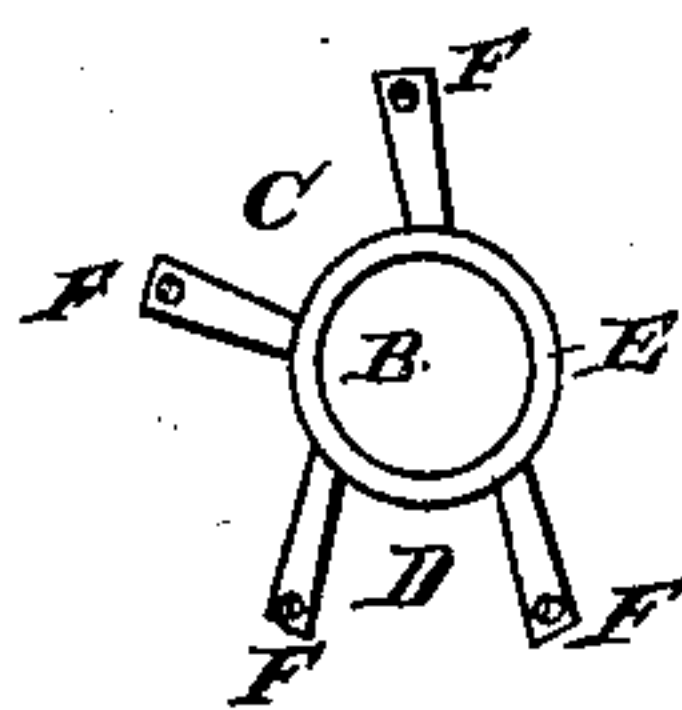


Fig. 4

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UNITED STATES PATENT OFFICE.

SAMUEL F. STOVER, OF PERKASIE, PENNSYLVANIA.

STAFF AND JEWEL PROTECTOR FOR WATCHES.

SPECIFICATION forming part of Letters Patent No. 252,062, dated January 10, 1882.

Application filed October 7, 1881. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL F. STOVER, of Perkasia, county of Bucks, and State of Pennsylvania, have invented an Improvement in Staff and Jewel Protectors for Watches, of which the following is a specification.

My invention has reference to staff and jewel protectors for watches; and it consists in a cap adapted to be placed over said staff and its jewels and secured to the frame of the works or an extension of the bridge, and suitable supports upon its outer extremity where-with to support it against pressure from the outside.

The object of my invention is to protect the staff and jewels from injury incident upon pressure from the outside upon the case of the watch, and, further, to enable the manufacturer to use far lighter cases than are at present required.

In the drawings, Figure 1 is a perspective view of one form of my improved staff and jewel protector. Fig. 2 is a plan of a watch, showing said protector secured in place. Fig. 3 is a cross-section of same on line *xx*. Fig. 4 shows a modified form of my invention.

A represents the entire protector, which consists of a flanged disk, the disk part J being provided with an aperture, B, to fit over the staff and jewel and their support on the bridge I, and the aperture is preferably bounded by a rib, E, which extends a short distance above said disk and jewel. The disk J and flange K are cut away, as at D, to allow the bridge to fit closely up to the rib E, as shown. Part of the flange K and disk J is cut away, as shown at C, to allow the regulator G to be operated; and to give ample room the under side of the disk may be recessed, as shown at H, Fig. 3. This protector fits over the end of the bridge I, as shown in Fig. 2, and is secured to the frame by screws F.

In place of making the disk and flange solid, as shown in Fig. 1, they may be made open, as shown in Fig. 4, in which the ring E is secured in place by arms L, which in reality form part of the disk J and flange K.

I do not limit myself to any particular construction, as the protector may be made in many ways—as, for instance, the bridge may

be extended and rest on the frame beyond the balance-wheel, or may be provided with one or more arms to support it in place, or a single steel or other metallic strap or saddle may extend the center line of the staff and the bridge, and be secured in place by being screwed to the frame, whereby the case could not be pressed in upon the staff and jewels.

I am aware of the patents to Schmied, October 27, 1874, and Parker, January 21, 1879, and do not claim anything therein shown or described, their patents being for well-known forms of dust caps, whereas my invention has no relation whatever to a dust-cap, its object being wholly to provide a heavy rigid saddle or frame above the staff and jewels to support the case and prevent its being pressed in upon the staff and jewels.

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

1. A staff and jewel protector for watches, which consists of a strong open frame supported upon the watch-frame and extending above the staff and jewels to prevent the case being pressed in upon them, substantially as and for the purpose specified.

2. A staff and jewel protector for watches, which consists of a ring provided with means to support and secure it to the watch-frame, said ring being adapted to encircle the staff and prevent any pressure upon the staff and jewels due to the crushing in of the case, substantially as and for the purpose specified.

3. In a staff and jewel protector for watches, the disk J, supporting the ring E and having aperture B, in combination with a flange, K, or its equivalent, part of said flange being cut away at C to allow the adjustment of the regulating-lever, and the disk and flange being cut away at D for the admission of the bridge of the watch, substantially as and for the purpose specified.

In testimony of which invention I hereunto set my hand.

SAMUEL F. STOVER.

Witnesses:

JONAS M. LANDIS,
AND. FRETZ.