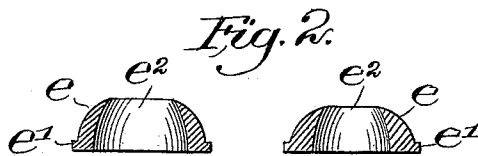
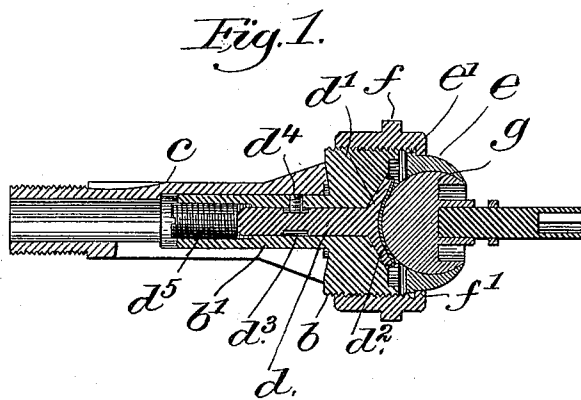


(No Model.)

N. T. MILLS.
WATCH CROWN HOLDER.

No. 467,294.

Patented Jan. 19, 1892.



Witnesses.
Edward F. Allen,
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UNITED STATES PATENT OFFICE.

NORMAN T. MILLS, OF BOSTON, MASSACHUSETTS.

WATCH-CROWN HOLDER.

SPECIFICATION forming part of Letters Patent No. 467,294, dated January 19, 1892.

Application filed 18, June 1891. Serial No. 396,710. (No model.)

To all whom it may concern:

Be known that I, NORMAN T. MILLS, of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in Watch-Crown Holders, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object to construct a watch-crown holder adapted to be held in a lathe-chuck.

In accordance with this invention an externally-screw-threaded block having a cylindrical stem adapted to be held by any suitable chuck is bored out axially to receive a longitudinally-adjustable back-rest, preferably provided with a cushion. A hemispherical shell having an annular flange at one end and an opening at the other end is provided, which is held in position by an externally-screw-threaded flanged coupling-ring adapted to be turned on said externally-screw-threaded block, the flange of said coupling-ring engaging the flange on the hemispherical shell.

Figure 1 shows a horizontal section of a watch-crown holder embodying this invention; Fig. 2, details to be referred to.

The cylindrical block *b*, externally-screw-threaded, as shown in Fig. 1, has formed integral with or attached to it a cylindrical stem *b'* of lesser diameter than the block, said stem being adapted to fit a split chuck, as *c*, of a lathe. The block *b* and its stem are bored axially to receive a back-rest, which is herein shown as a cylindrical stem *d*, having a concaved head *d'*, preferably provided with a yielding cushion or covering *d²*. The stem *d* is provided with a circumferential groove *d³*, and a set-screw *d⁴* is screwed into the stem *b'*, entering the recess *d³*, and adapted to bear against the stem *d* and hold the back-rest in adjusted position. The rear end of the center bore or hole in the stem *b'* is internally-screw-threaded to receive an adjusting-screw *d⁵*, which bears against the rear end of the stem *d* of the back-rest to provide for longitudinal adjustment thereof.

A hemispherical shell *e*, having at one end an annular flange *e'* and at the other end an

opening *e²*, is provided, and a coupling-ring *f*, internally-screw-threaded to be turned on the externally-screw-threaded block *b* and provided with a flange *f'*, which engages the flange *e'* of the shell *e*, is also provided which co-operates with the back-rest to hold a watch-crown, as *g*, firmly in position.

As watch-crowns vary in size I have provided shells, as *e*, made externally alike but internally of different dimensions for different-sized crowns, as shown in Fig. 2.

To place the crown in position to be operated upon, the crown is placed in the hemispherical shell, which is dropped into the internally-screw-threaded flanged coupling-ring *f*, and the latter is then turned upon the externally-screw-threaded block *b* until the crown bears firmly against the cushioned back rest.

I claim—

1. In a watch-crown holder, the externally-screw-threaded block *b*, having a cylindrical stem, the longitudinally-adjustable back-rest provided with a concave head, and a yielding cushion thereon, combined with the hollow hemispherical shell provided with an annular flange *e'* and an opening *e²*, and the internally-screw-threaded flanged coupling-ring adapted to be turned on said screw-threaded block, the flange on said ring engaging the flange on the shell, the head and shell holding the watch-crown between them, substantially as described.

2. In a watch-crown holder, the externally-screw-threaded block supporting a back-rest having a concaved work-supporting head and means for positively adjusting said rest, combined with a hollow hemispherical shell having an annular flange *e'* and a hole *e²*, and the internally-screw-threaded flanged coupling-ring adapted to be turned on said block, the flange of said ring engaging the flange of the shell, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

NORMAN T. MILLS.

Witnesses:

BERNICE J. NOYES,
EMMA J. BENNETT.