

(No Model.)

D. MENDELSON.
PENDANT SET SCREW DRIVER.

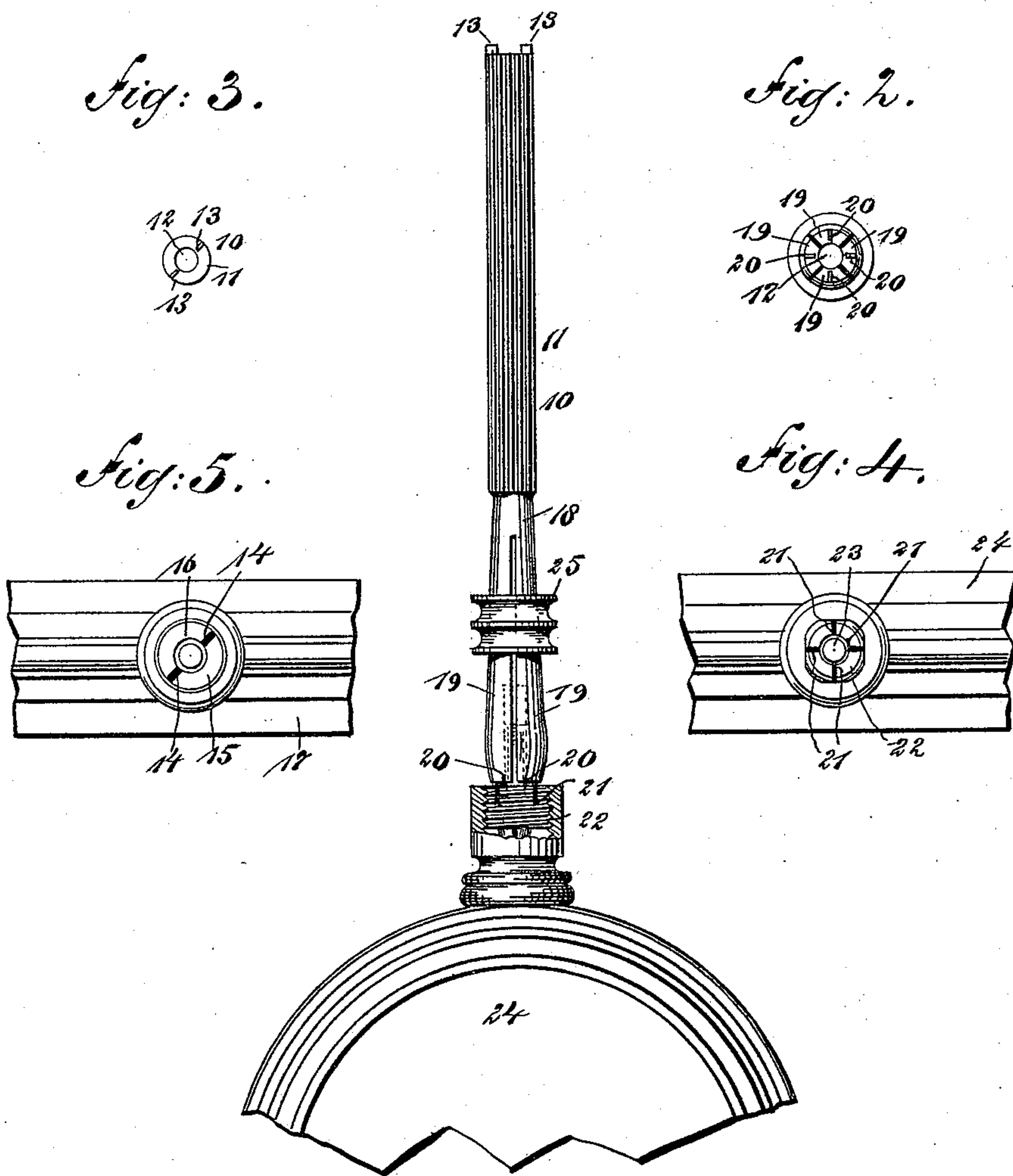
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Fig: 1.

Fig: 3.

Fig: 2.



WITNESSES:

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PENDANT SET SCREW-DRIVER.

SPECIFICATION forming part of Letters Patent No. 485,420, dated November 1, 1892.

Application filed May 20, 1892. Serial No. 433,674. (No model.)

To all whom it may concern:

Be it known that I, DAVID MENDELSON, of New York city, in the county and State of New York, have invented a new and Improved Pendant Set Screw-Driver, of which the following is a full, clear, and exact description.

My invention relates to improvements in pendant set screw-drivers such as are used for adjusting the setting-stem in stem-winding watches. These stems are adjusted in and out, so as to have the proper effect on the watch-setting mechanism, and while the stems of a certain size of watch are uniform, having a sleeve with two slots therein, the stems of other sizes of watches vary and are usually formed with four slots in their sleeves. As a result it has been necessary to have several sizes of screw-drivers adapted to fit the varying sizes of stems and sleeves, according to the size of the watch-pendant; and the object of my invention is to construct a single screw-driver which may be instantly adjusted so as to fit a stem and sleeve of any size, and so as to be equally useful in adjusting the two-slotted stems and the four-slotted ones.

To this end my invention consists in a pendant set screw-driver, the construction of which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of the screw-driver embodying my invention, showing its application to the pendant of a watch. Fig. 2 is a plan view of the screw-driver, looking at its split end. Fig. 3 is a plan of the solid end of the screw-driver. Fig. 4 is a plan of a watch-stem having four slots in its sleeve, and Fig. 5 is a plan of a watch-stem having two slots in its sleeve.

The screw-driver 10 is provided with an elongated handle portion 11, which is preferably corrugated, so that it may be easily turned by the fingers, and the screw-driver has a longitudinal bore 12 extending entirely through it. At one end the handle 11 is rigid and provided with terminal blades 13, these

being produced upon the end of the screw-driver and on diametrically-opposite sides of the bore 12. This end of the screw-driver is similar to the end of the pendant set screw-driver in common use. The ends of the blades 13 are adapted to enter the slots 14 in the sleeve 15 on the stem 16, the latter being secured in the usual way to the watch 17. This sort of a sleeve 15 is the one commonly used on a size 18 watch, and the rigid end of the screw-driver may be applied to it in the usual way. The opposite end of the handle 11 is reduced slightly, as shown at 18, and this end portion or stem of the screw-driver is then enlarged and split into four spring-arms 19, which are normally held slightly apart and are largest near the end of the screw-driver, the extremities of the same being tapered or reduced to enable them to be pushed well into the neck of the pendant when necessary. Each arm 19 terminates in a blade 20, which is adapted to enter one of the slots 21 in the sleeve 22 of the stem 23, which is secured in the usual way to the watch 24. On the split end of the screw-driver is a clamping-ring 25, which is adapted to slide longitudinally thereon, and by pushing this ring toward the larger end of the screw-driver the arms 19 may be compressed, the several blades 20 brought relatively near together, and the bore of the instrument reduced, so as to fit a smaller stem. When this end of the screw-driver is used, the blades 20 are adjusted so as to register with the slots 21 of the sleeve 22, the screw-driver is pushed downward upon the stem 23, which enters the bore 12, and the ring 25 pushed down, so as to make the instrument fit tightly upon the stem and the blades 20 enter the slots 21. The instrument is then turned in the usual way, so as to properly adjust the stem.

It will be readily seen from the foregoing description that this instrument may be made to fit a stem of any size and that the adjusting may be done instantly by simply moving the ring 25.

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

As an improved article of manufacture, the

pendant set screw-driver hereinbefore described, the same consisting of a handle 11 and an aligned end portion or stem provided with four spring-arms 19, which stand normally apart at their free ends, each arm having a terminal blade 20, adapted to enter a slot in a watch-stem sleeve, and the clamp-

ing-ring 25, adapted to slide on the divided stem, all as shown and described.

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Witnesses:

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