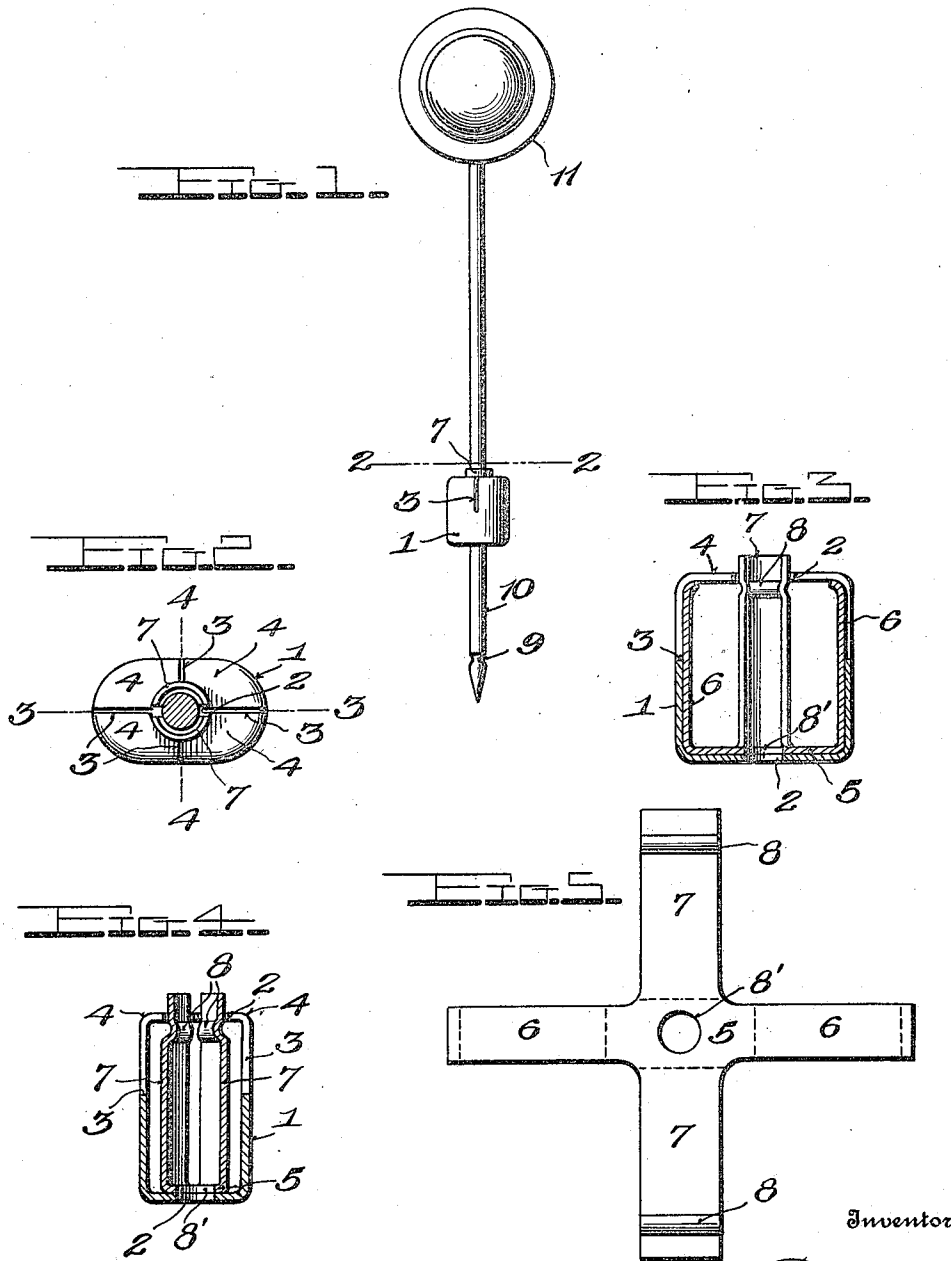


L. J. ROY.
JEWELER'S CLUTCH.
APPLICATION FILED MAY 27, 1918.

1,281,844.

Patented Oct. 15, 1918.



Witness

Inventor

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UNITED STATES PATENT OFFICE.

LEVI J. ROY, OF PROVIDENCE, RHODE ISLAND.

JEWELER'S CLUTCH.

1,281,844.

Specification of Letters Patent.

Patented Oct. 15, 1918.

Application filed May 27, 1918. Serial No. 236,678.

To all whom it may concern:

Be it known that I, LEVI J. ROY, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Jewelers' Clutches, of which the following is a specification.

This invention relates to certain new and useful improvements in a jeweler's clutch adaptable to a variety of uses, principally among which is its use as a guard or safety device applicable to scarf pins for preventing their loss.

Among other objects, the invention aims to provide a two piece guard or clutch embodying pin engaging fingers or arms and an inclosing casing having resilient sections embracing the arms to yieldably hold them operative.

Further, the invention resides in the features of construction and the arrangements and combinations of parts hereinafter described and claimed, reference being had to the accompanying drawing wherein—

Figure 1 is an elevation of a scarf pin having a clutch operatively disposed thereon.

Fig. 2 is a top plan view of the clutch, showing the pin in section, said view being taken on line 2—2 of Fig. 1.

Fig. 3 is a vertical section through the clutch on line 3—3 of Fig. 2.

Fig. 4 is a similar view on line 4—4 of Fig. 2, said view taken at right angles to that of Fig. 3, and

Fig. 5 is a plan view of the cross shaped blank from which the inner element or clamping arms are formed up.

The clutch consists of an inner or clutch element and an outer or housing element, which latter comprises a rectangular hollow casing 1 having flat top and bottom walls formed with aligned perforations 2. The top wall and upper portion of the casing are divided by a plurality of slits 3 into a like number of resilient sections 4.

The inner element is formed up from a cross-shaped blank (Fig. 5) to provide a center or base 5 and oppositely extending arms 6 and 7. The base is formed with a perforation 8' in registry with the perforation 2 in the bottom wall on which the base seats and where it is firmly held by the anchoring arms 6. These arms conform to the inner surface of the casing, extending out-

wardly in contact with the bottom wall and upwardly along the side walls, terminating against the under face of the top wall to not only hold the clutch member in position but also reinforce the casing and its spring sections.

The clamping arms 7 are preferably wider than the anchoring arms 6 and are turned upwardly in parallelism and spaced inwardly from the sides of the casing (Fig. 4). The arms are concaved longitudinally to conform to the pin and have upper ends projecting through the perforation 2 in the top wall. Immediately below the latter the arms are offset to form head-like shoulders 8 for engaging in a groove or notch 9 formed in the pin tongue 10 of scarf pin 11. Any number of these notches may be provided in the pin although only one is necessary.

In practice, the pin is inserted through the clutch and firmly gripped by the opposing clamping shoulders 8, whereby the pin is securely locked to the scarf. The spring sections 4 of the casing resiliently embrace the upper ends of the arms 7 and thereby relieve the latter from undue strain. Thus, the resiliency of these arms is supplemented by that of sections 4 and consequently need not possess such a high degree of resiliency. The shape of the casing may also be varied to change its design without departing from the spirit of invention.

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

1. A clutch for pins and the like, comprising a hollow casing having its bottom and top walls perforated to receive the pin, the top wall and upper portion of the casing being slit to define resilient sections, and a clutch member arranged within the casing and formed from a blank of cross-form having its center perforated to register with the perforation in the bottom wall of the casing, one pair of oppositely-extending arms being bent into conformity with the inner wall of the casing and contacting therewith, and the other pair of oppositely extending arms extending upwardly through the perforation in the top wall of the casing and in spaced relation to the side walls of the casing, each second arm formed with a bead-like clamping shoulder immediately beneath the top wall.

2. A clutch for pins and the like, comprising a hollow casing having its bottom and

top walls perforated to receive the pin, the top wall and upper portion of the casing being slit to define resilient sections, and a clutch member arranged within the casing and including a base perforated in registry with the perforation in the bottom wall of the casing, and upwardly extending parallel arms projecting through the perforation in the top wall and offset immediately beneath said top wall to form clamping shoulders.

3. A clutch for pins and the like, comprising a hollow casing having its bottom and top walls perforated to receive the pin, the top wall and upper portion of the casing being slit to define resilient sections, and a clutch member arranged within the casing and including a base perforated in registry with the perforations in the bottom wall of the casing, and upwardly extending parallel arms projecting through the perforation in the top wall and offset immediately beneath said top wall to form clamping shoulders, and anchoring arms extending outwardly in

opposite directions from the base and upwardly in contact with the bottom and side walls of the casing and terminating against the under face of the top wall.

4. A clutch for pins and the like comprising a hollow casing, a clutch member arranged within the casing and including a base, upwardly extending parallel arms projecting through the top wall of the casing and offset immediately beneath, said top wall to form clamping shoulders, and anchoring arms extending outwardly in opposite directions from the base and upwardly in contact with the bottom and side walls of the casing and terminating against the underface of the top wall.

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

LEVI J. ROY.

Witnesses:

ADA E. HAGERTY,
J. S. MILLER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."