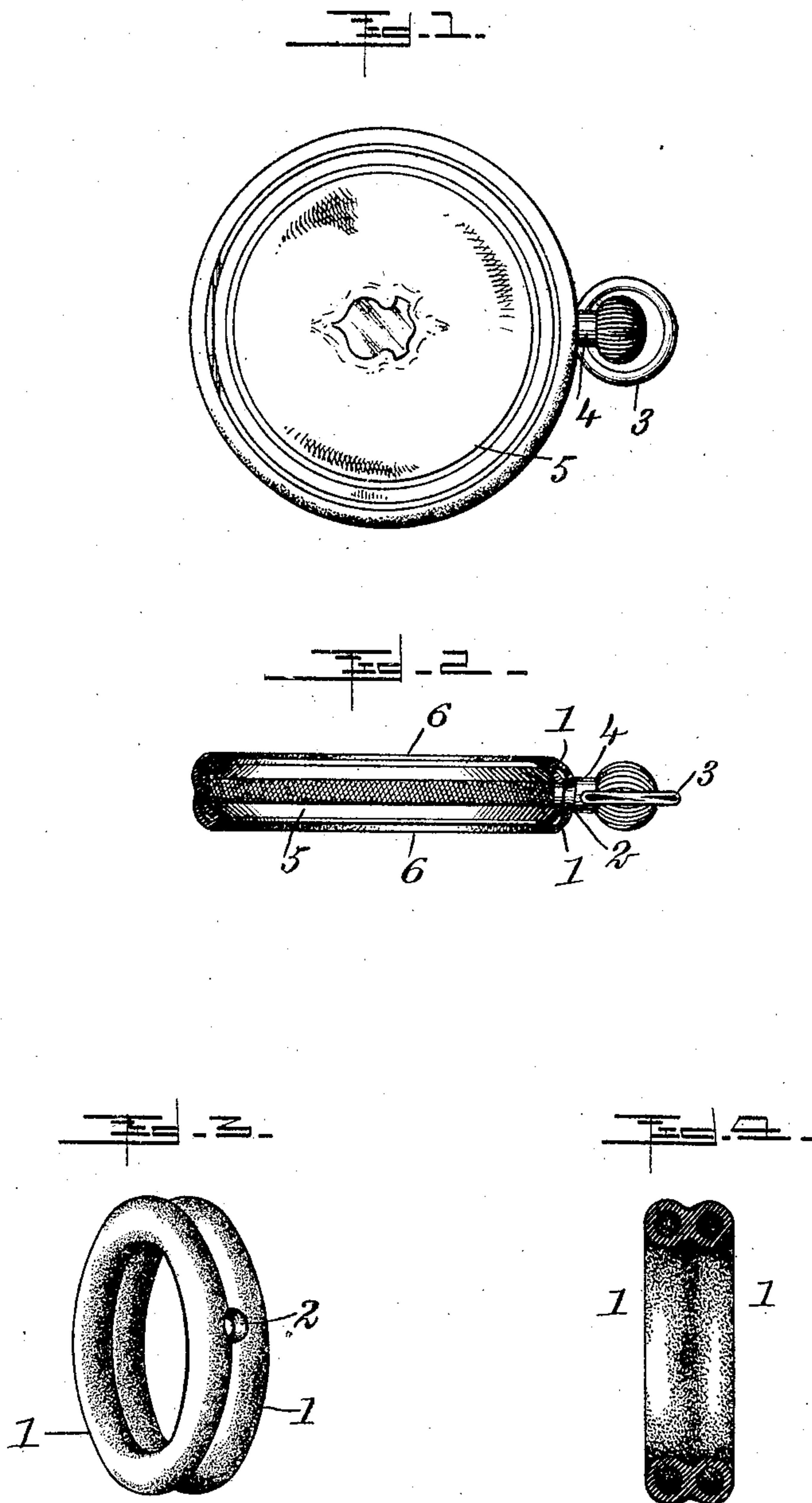


No. 837,206.

PATENTED NOV. 27, 1906.

F. D. ELY.
SAFETY DEVICE FOR WATCHES.
APPLICATION FILED NOV. 2, 1905.



WITNESSES:

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FRANK D. ELY, OF SALT LAKE CITY, UTAH.

SAFETY DEVICE FOR WATCHES.

No. 837,206.

Specification of Letters Patent.

Patented Nov. 27, 1906.

Application filed November 2, 1905. Serial No. 285,549.

To all whom it may concern:

Be it known that I, FRANK D. ELY, a citizen of the United States, and a resident of Salt Lake City, in the county of Salt Lake and State of Utah, have invented a new and Improved Safety Device for Watches, of which the following is a full, clear, and exact description.

This invention relates to safety devices for timepieces—as watches, for instance; and it consists, substantially, in the improvements hereinafter more particularly described, and pointed out in the claims.

Watches are frequently injured by falling from the pocket therefor, either in the vest or trousers of the owner, owing to the smoothness of the watchcase, the looseness of the watch in the pocket, or from both causes, and on account of the ease with which a watch may be withdrawn from a vest-pocket it is liable to be stolen from the person of the wearer by an expert thief.

One of the principal objects of the present invention is to provide a device that when mounted upon the rim of a watchcase will prevent the easy abstraction of the watch from a pocket in which it may be placed and which will also prevent a watch having a device thereon from falling out from a pocket and by striking on its edge or side “bank” the works of the watch, so that repairs are required for restoring the same to normal operative order.

The invention has for its further object to provide a device of the character referred to of an embodiment to overcome certain disadvantages and objections encountered in the use of other devices hitherto employed for a similar purpose.

A further object of the invention is to provide a device of this kind which is simple in construction and comparatively inexpensive to manufacture, besides being effective and reliable for its purposes and possessing the capacity for long and continued service.

The above and additional objects are attained by means substantially such as are illustrated in the accompanying drawings, in which—

Figure 1 is a face view of a watch having my improved device applied thereto. Fig. 2 is an edge view of a watch and a transverse sectional view of my improved device applied to the watch. Fig. 3 is a view in perspective of my improved device detached,

and Fig. 4 is a transverse sectional view of the device detached from the watch.

Reference being had to the drawings by the designating characters thereon, 1 1 represent duplicate rings of rubber or other elastic material, the interior diameters of which are so proportioned that the width of the watchcase to which said rings are to be applied is somewhat in excess thereof. The said rings may either be formed of equal portions of rubber tubing of proper exterior diameter joined together at their ends, so as to produce two similar tubular rings, or said rings may be formed intact when manufactured. The rings are cemented, fused, or otherwise joined together laterally, as indicated in Fig. 4, provided the same are formed of two sections of rubber tubing, or if otherwise produced the rings may be formed integral with each other where they join at the adjacent sides thereof.

An opening 2 is formed between the rings, the same being of sufficient length to permit the insertion therethrough of the rings 3 and stem 4 of an ordinary watch 5 when my improved device is properly applied to the watch. After the stem 4 has been properly inserted through the said opening 2 and the said rings 1 1 are at one side of the watch the rings may be readily placed upon the ring of the watchcase by expanding one or the other of them, so it may pass over the said ring, whereupon by releasing the ring so expanded the two rings will become self-sustaining, as it were, due to the construction of the material of which they are formed, the rings being thereby so disposed as to constitute what may be termed “saddles” 6 on the sides of the periphery of the watchcase, as indicated in Fig. 2. Due to the elasticity of the tubular bodies of the said rings 1 1 a cushion is provided at the rim of the watch capable of absorbing the shock of impact taking place in the event of the watch being dropped upon the ground or upon the floor accidentally, and thus preventing injury thereto. In some instances it is desirable to construct the rings of such diameter as that when they are mounted upon the watchcase continuous portions thereof will project beyond either side of the watchcase, as also shown in Fig. 2, and thereby protecting the case should the same strike sidewise on falling, and also so that when the watch is laid down flatwise the same is prevented from contact with the surface on

which it is laid, the continuous projecting portions of the cushions or rings resting thereon instead, as will be apparent. In the use of my improved device upon a watch it will
5 be apparent that the portions of the rings which are disposed at and beyond the side of the center of the rim of the watchcase will upon insertion into the pocket of a vest frictionally engage with the fibrous walls of the
10 pocket, thus producing resistance to the free removal of the watch from the pocket, so that the watch will not fall out of the pocket, and in case a thief attempts to remove the watch from the pocket the pull necessary to
15 effect this will notify the owner of the attempt made to rob him. The rings also serve as a protector for the watch to prevent dust or moisture from entering the works of the watch should the back or face thereof be
20 imperfectly fitted to the rim.

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

1. A device of the character specified, comprising duplicate continuous tubular elastic
25 rings, integrally joined together side by side, and adapted to be mounted upon the rim of a watchcase, the said rings when in position extending beyond the sides of the periphery
30 of the watchcase forming continuous pneumatic cushions.

2. A device of the character specified, com-

prising duplicate continuous tubular elastic members, integrally joined together side by side, and forming at their junction oppositely-
35 arranged circumferential grooves, the said device being adapted to be mounted upon the rim of a watchcase, said members being provided with an opening therebetween, at a
40 suitable part thereof for the passage of the ring and stem of the watch.

3. A device of the character specified, comprising two tubular elastic rubber rings, having an equal diameter that is less than that
45 of the rim of a watchcase to which the device is to be applied, said rings being integrally joined together at adjacent sides thereof, and having an opening therebetween for the insertion therethrough outwardly, of the stem
50 and ring of the watch, in the application of the device over the rim of the watchcase, the said rings when in position forming continuous pneumatic cushions on the sides of the
55 periphery of the watchcase and projecting beyond the surfaces of the front and back of the watch.

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

FRANK D. ELY.

Witnesses:

PAUL C. GALLEHER,
G. H. JAMERSON.