

L. D. CROSSETT.
WATCH SUPPORT.
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903,545.

Patented Nov. 10, 1908.

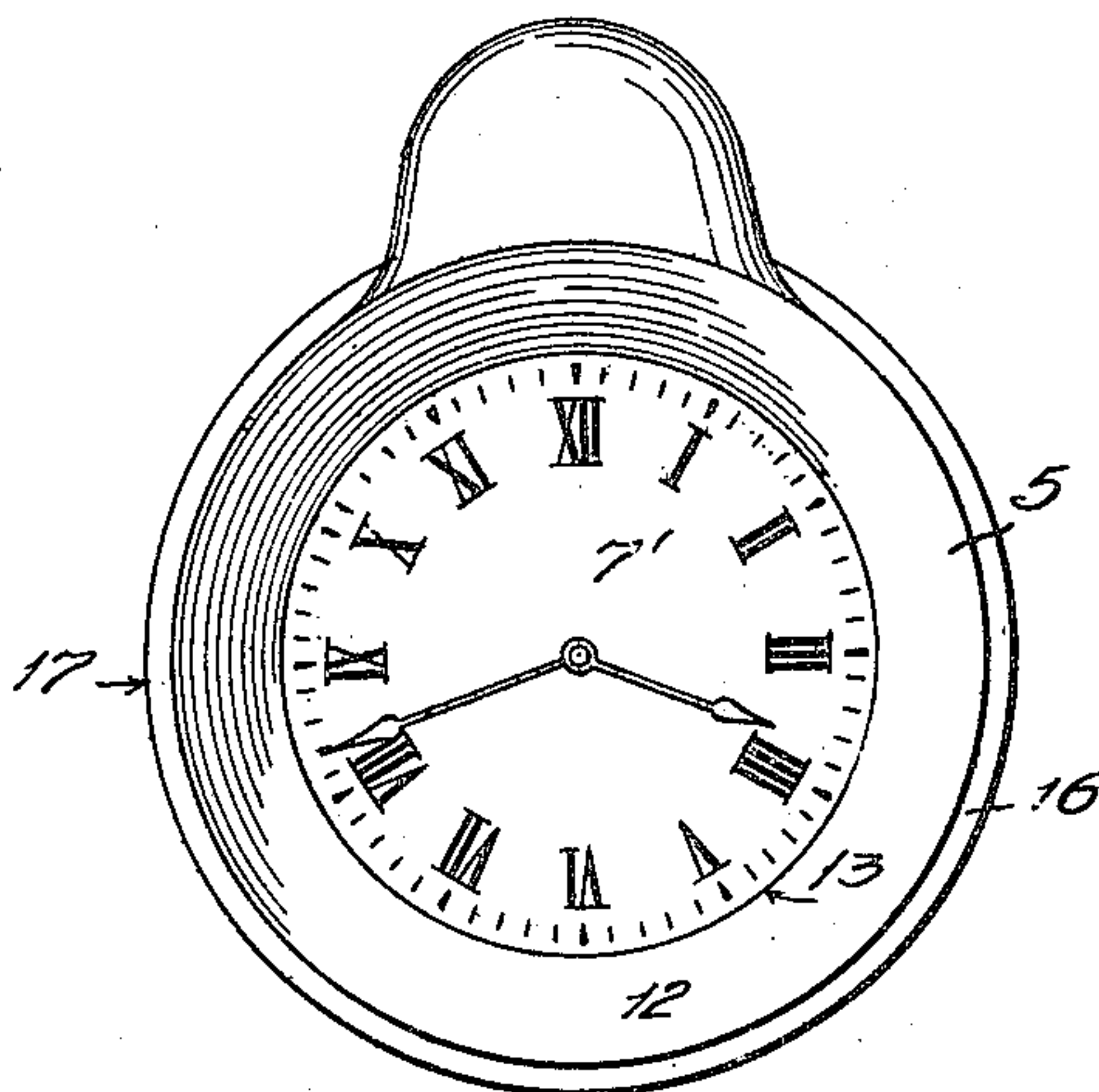


FIG. 1

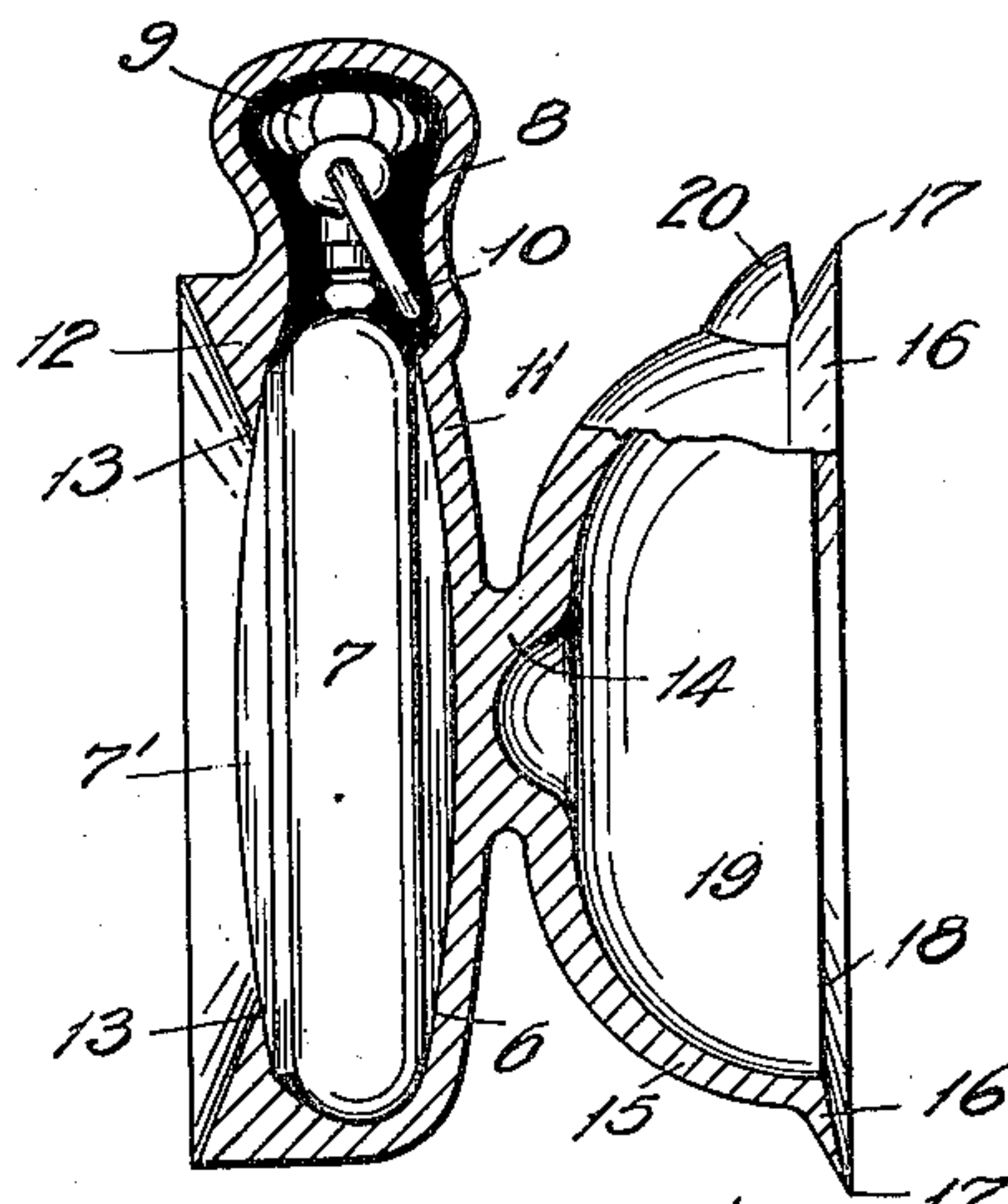


FIG. 2

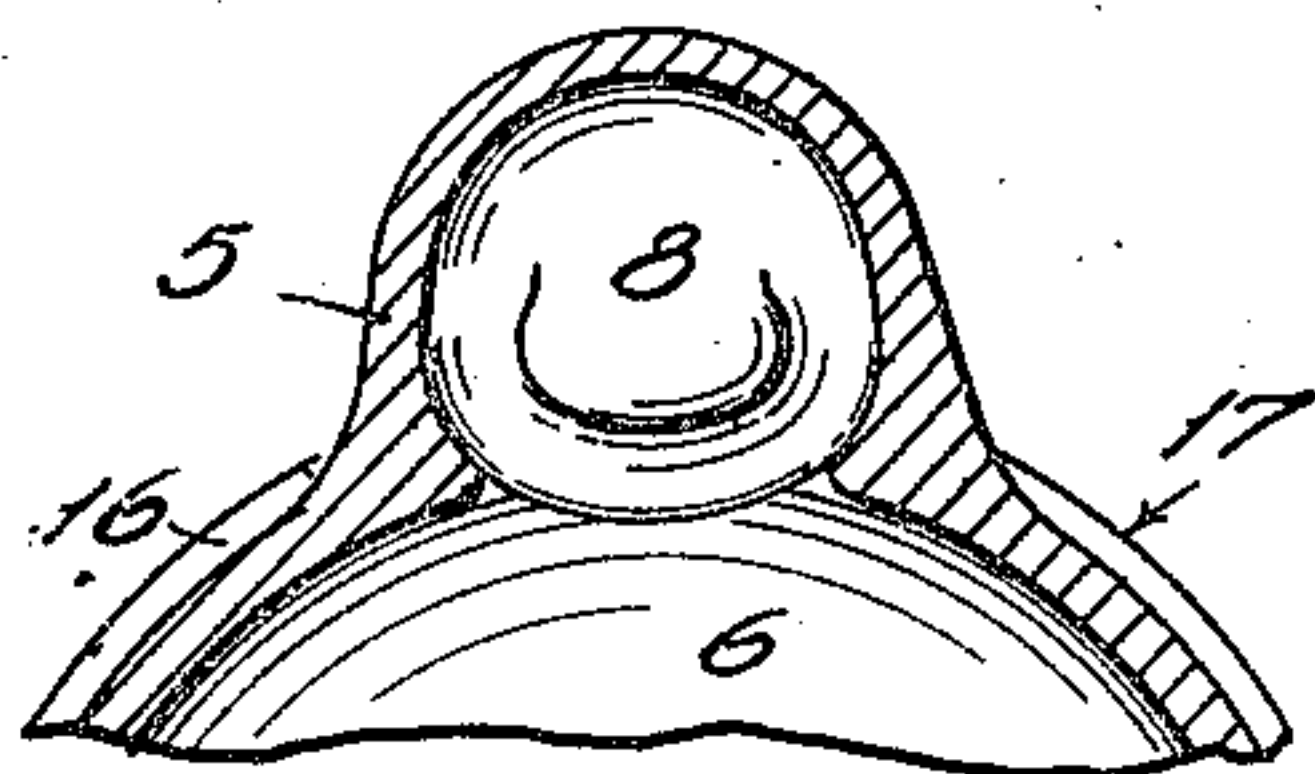


FIG. 3

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WATCH-SUPPORT.

No. 903,545.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, LEWIS D. CROSSETT, citizen of the United States, residing at Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Watch-Supports, of which the following is a specification.

The object of this invention is the provision of a device for reliably supporting a watch by pneumatic pressure, or suction, to a perpendicular surface, such as a pane of glass in front of a railway car whereby the time is indicated to the motorman.

The invention consists of a peculiarly constructed receptacle for a watch and provided with a suction device for attaching the receptacle to a plane surface.

In the accompanying drawings, Figure 1 is a front elevation of a watch holding device embodying my invention; Fig. 2 is a view partly in vertical longitudinal section and partly in side elevation of the same; and Fig. 3 is a fragmentary vertical transverse section of the device.

The reference numeral 5 designates the watch container formed with a cavity 6 therein to receive the watch case 7 and communicating therewith is a cavity 8 for the watch stem 9 and the ring 10. As shown, the container is closed at the back by a wall 11 while an opening is provided at the front for exposing the watch-face. About the margin of this opening is an inwardly directed flange 12 which terminates in a relatively sharp inner edge 13 and is of such a width as to extend over the watch-bezel and upon the crystal 7'. This container, as well as the rear portion of the device which will be presently described, is formed of molded rubber, or an equivalent elastic material, and is of such size and configuration as to snugly embrace a watch introduced therein and make close contact with the crystal about the aforesaid edge 13, thus affording a means for reliably holding the watch, but likewise preventing the admission of water or dust to the possible injury of the watch movement. At the rear and integrally connected to said watch container by a relatively small neck 14 is a bell-shaped "sucker" with a wall 15 which is desirably formed of decreasing thickness from its juncture with the neck to its circumferential edge whence extends a peripheral rim or flange 16 which terminates in a sharp outer edge 17. This flange is formed with

a conically arranged face 18 which, if produced to an apex, would intersect the axis thereof and that of the wall 15 at a point located within the cavity 19 of the sucker.

20 represents a lug protruding from the outer surface of the wall 15 to furnish a finger engagement whereby the edge of the sucker adjacent thereto may be drawn from the surface to which the device is attached for admitting air to the cavity 19 when the device is to be disconnected from such surface. This lug is desirably positioned in proximity to the edge 17 and directly behind the protruding part of the container which incloses the watch-stem, as I find that in such a place it is in convenient reach of the index-finger of the hand employed in removing the device.

It may be mentioned that in the manufacture of these devices from rubber the rim-flange 16 is vulcanized to a less extent than the remaining parts, thus rendering the rim quite soft to furnish a good seat, while the other parts are made more rigid to maintain them in suitable shape to perform their several functions without unduly sacrificing the resiliency of the whole.

To attach the device, the rim-flange 16 is placed against the window, or other vertical surface, to which it is to be attached, when by pressing inwardly upon the front the part of the sucker wall 15 which is in proximity to the neck it is caused to be deflected rearwardly to evacuate the cavity 19 of a large part of the contained air and also serving to force the hitherto conical face 18 into a plane and into intimate contact throughout its surface with the surface to which the device is to be attached, thus causing the device to continuously cling to the latter surface by the atmospheric pressure acting upon the device as a whole and also upon the relatively thin surface of the flange 16 which accommodates itself to slight irregularities of the attached surface. To remove the device an outward pull is exerted through the lug 20 to effect the opening of the joint between the rim-flange and the attached surface for the access of air, whereupon the weight of the watch and the holding-device therefor will cause them to fall into the hand of the user.

Among the advantages derived by this invention is the safeguarding of a watch against injury through the effects of dust or moisture, and from becoming deranged

in the event of the device being dropped accidentally; likewise the sucker portion being of a bell-shape of relatively small axial length accommodates itself to the jars and shocks to which a car is subjected; and finally, from the peculiar structural contours and adaptation of parts the sucker-portion is effectual in reliably holding the device in its set position.

10 Having described my invention, what I claim, is—

1. As a new article of manufacture, a container for a watch having an open front and a closed back, and a sucker formed integral
15 with the container, said sucker being provided with a flange with a conical-shaped inner surface and terminating in a sharp peripheral edge.

2. As a new article of manufacture, a container for a watch having an open front and a closed back, and a bell-shaped sucker integrally connected with the container by a neck, said sucker being provided with a flange having a conical-shaped inner surface
25 and terminating in a sharp peripheral edge.

3. As a new article of manufacture, a receptacle formed with a cavity to accommodate a watch and its stem and having an open front, a bell-shaped sucker at the rear
30 of the receptacle, and a neck-portion intermediate of and formed integral with said receptacle and said sucker.

4. As a new article of manufacture, a watch-container formed with communicating cavities respectively provided for the reception of the case and stem of a watch, the cavity for the case being open at its front, a bell-shaped sucker having a conical
35 faced rim-flange which terminates in a sharp peripheral edge, and a neck intermediate the sucker and said container.

5. As a new article of manufacture, a watch-container formed with communicating cavities respectively provided for the

reception of the case and stem of a watch, 45 the cavity for the case being open at its front and having an inwardly directed flange thereabout which terminates in a sharp inner peripheral edge arranged to extend over the margin of the crystal of a
50 watch when the same is inserted within the container, a bell-shaped sucker having a conical faced rim-flange which terminates in a sharp peripheral edge, and a neck intermediate the sucker and said container. 55

6. As a new article of manufacture, a watch container formed with communicating cavities respectively provided for the reception of the case and stem of a watch, the cavity for the case being open at its
60 front, a bell-shaped sucker having a conical faced rim-flange which terminates in a sharp peripheral edge, a neck intermediate the sucker and said container, and a finger-engageable lug upon the sucker and in proximity to the rim-flange thereof. 65

7. As a new article of manufacture, a watch container formed with communicating cavities respectively provided for the reception of the case and stem of a watch, 70 the cavity for the case being open at its front and having an inwardly directed flange thereabout which terminates in a sharp inner peripheral edge arranged to extend over the margin of the crystal of a
75 watch when the same is inserted within the container, a bell-shaped sucker having a conical faced rim-flange which terminates in a peripheral edge, a neck intermediate the sucker and said container, and a finger engageable lug upon the sucker and in proximity to the rim-flange thereof. 80

In testimony whereof I subscribe my name in the presence of two witnesses.

LEWIS D. CROSSETT.

Witnesses:

PIERRE BARNES,
HORACE BARNES.