

No. 769,873.

PATENTED SEPT. 13, 1904.

R. H. PAAR.
WATCHCASE OPENER.
APPLICATION FILED FEB. 10, 1904.

NO MODEL.

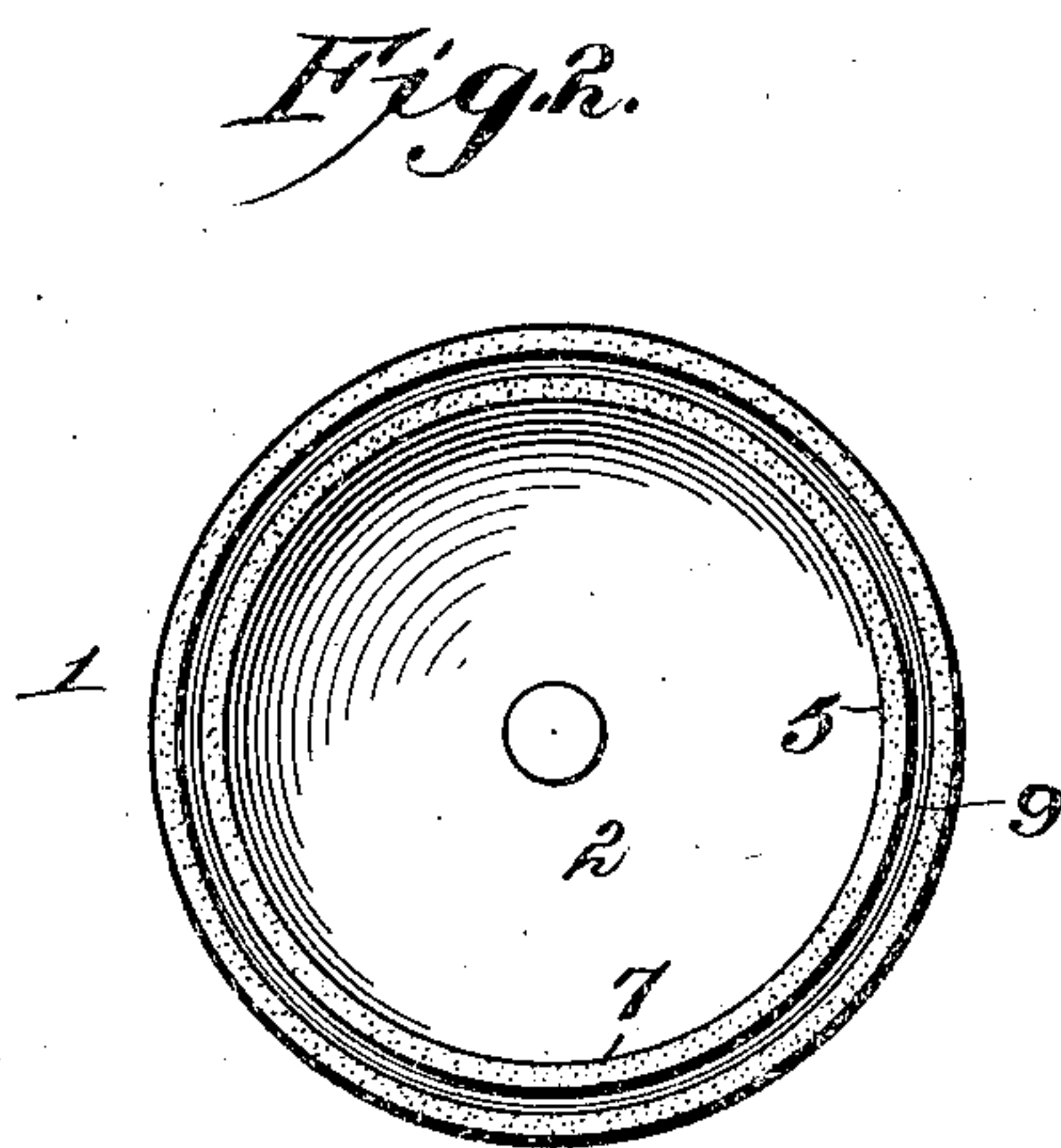
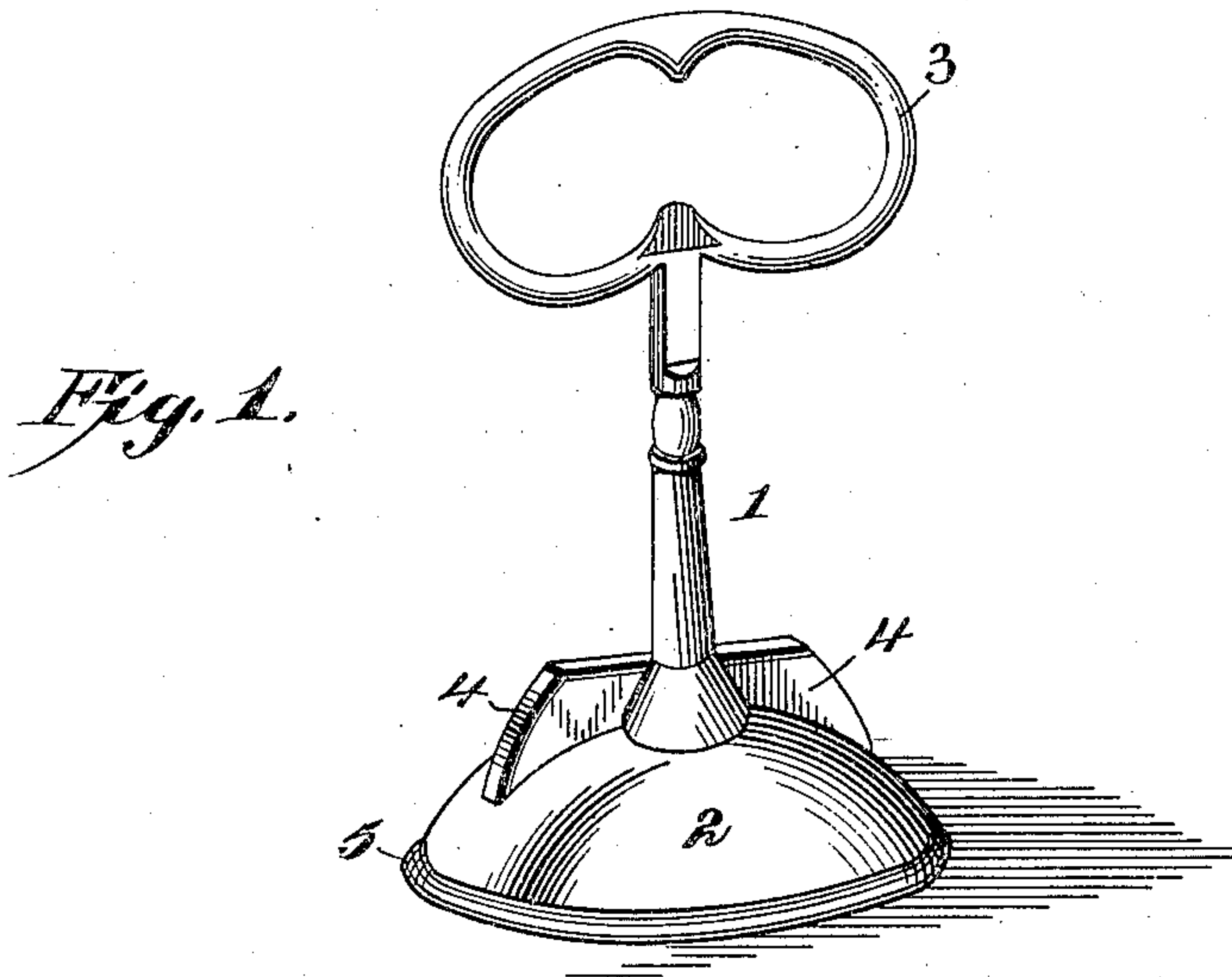
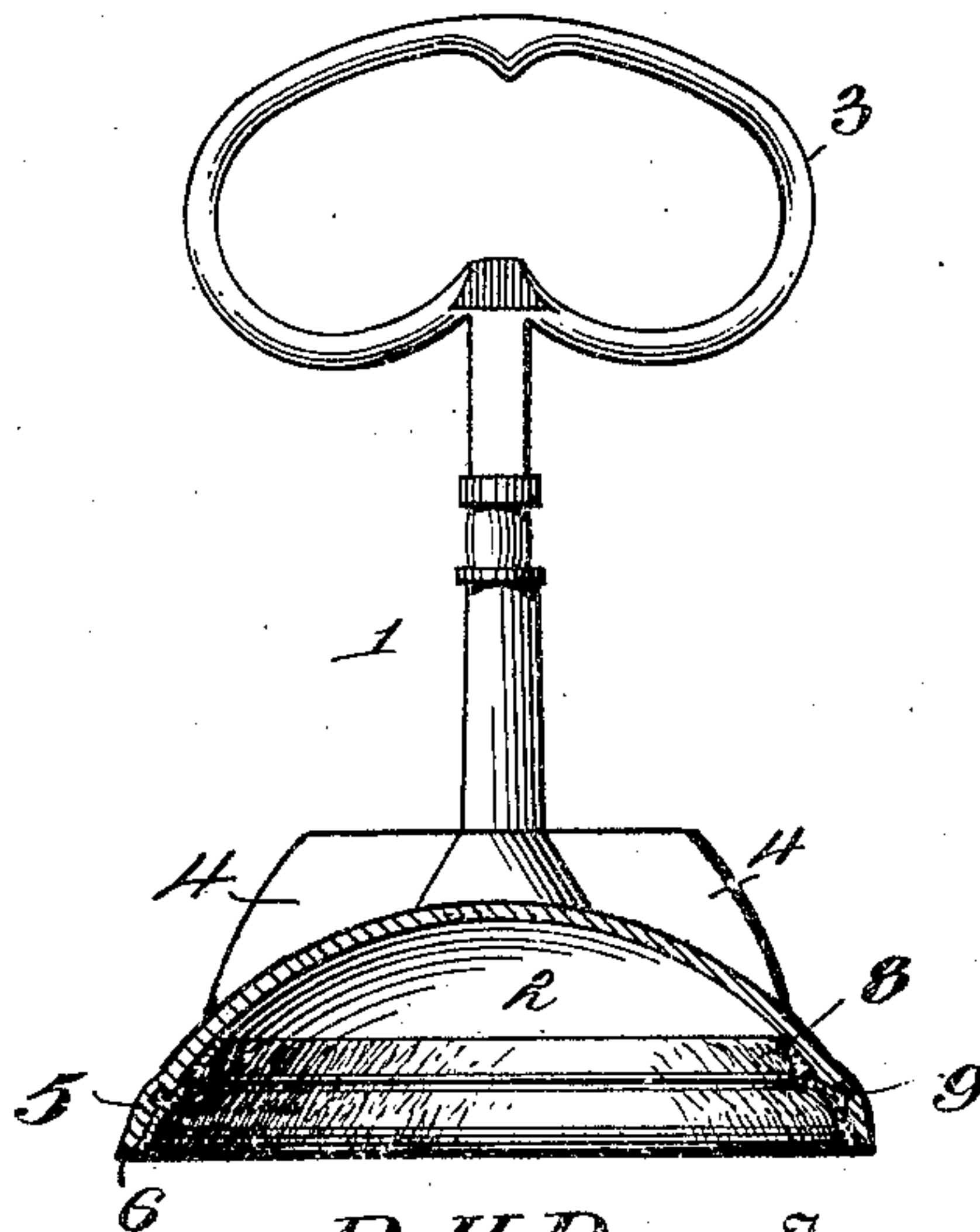


Fig. 3.



R. H. Paar, Inventor

Witnesses

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REINHOLD H. PAAR, OF CARTHAGE, MISSOURI.

WATCHCASE-OPENER.

SPECIFICATION forming part of Letters Patent No. 769,873, dated September 13, 1904.

Application filed February 10, 1904. Serial No. 192,990. (No model.)

To all whom it may concern:

Be it known that I, REINHOLD H. PAAR, a citizen of the United States, residing at Carthage, in the county of Jasper and State of Missouri, have invented a new and useful Watchcase-Opener, of which the following is a specification.

The invention relates to improvements in watchcase-openers.

10 The object of the present invention is to improve the construction of watchcase-openers and to provide a simple, inexpensive, and efficient device of great strength and durability designed for use on watches where it is impossible to unscrew the lids by hand and capable of being readily applied to either the front or back of a watch and of enabling either lid thereof to be conveniently unscrewed.

20 A further object of the invention is to provide a device of this character adapted to adjust itself to watches of different shapes and capable of clearing the glass or crystal, whereby the same is prevented from being broken while unscrewing the lid.

25 With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in the form, proportion, size, and minor details of construction within the scope of the claims may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

35 In the drawings, Figure 1 is a perspective view of a watchcase-opener constructed in accordance with this invention. Fig. 2 is a reverse plan view. Fig. 3 is a side elevation, the bowl being in section.

40 Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a watchcase-opener consisting of a concavo-convex bowl 2 and a handle 3, composed of a stem and an outer loop or grip, which is enlarged to fit the hand and which presents a convex outer face to the same.

The handle is formed integral with the bowl and may be braced by opposite flanges 4. 50

Any suitable metal may be employed in the construction of the watchcase-opener, which is adapted to fit over the lid of a watch without contacting with the crystal thereof. The bowl is provided with an interiorly-arranged 55 peripheral engaging face or portion 5, and it has an arched or dome-shaped inner or upper portion arranged to clear the glass or crystal of a lid, whereby the latter may be removed without breaking the glass or crystal. The 60 transverse curve of the arched or dome-shaped portion and the transverse curve of the peripheral engaging portion form arcs of different circles, as illustrated in Fig. 3 of the drawings, whereby the arched or dome-shaped 65 portion is offset from the glass or crystal of a lid. The engaging portion 5 presents an upper concave face, and its lower portion is slightly rounded to present a convex edge 6, whereby the device is adapted to be applied 70 to watches of different shapes having different curves. The peripherally-arranged engaging portion of the bowl has a roughened surface provided with projecting spurs or burs 7, formed by a sharp-pointed instrument 75 and adapted to enable the lining 8 to be securely attached to the bowl. The lining 8 consists of a strip of chamois or other suitable material, and it is secured by cement or other suitable means to the engaging portion 80 of the bowl, which is provided with an annular groove 9, located at an intermediate point on the engaging portion and adapted to receive a quantity of cement and a portion of the lining, whereby the latter is securely fastened to the bowl. The groove is rectangular 85 in cross-section, as shown, and presents upper and lower shoulders to prevent the lining from slipping.

The lining is designed to be coated with powdered rosin, whereby it is capable of firmly engaging the lid of a watch and is adapted to enable the same to be readily unscrewed. The watchcase-opener is applied to a watch by placing the bowl on top of the lid, and by means 95 of a strong pressure the device is caused to

firmly engage the lid, which is unscrewed by rotating the device.

It will be seen that the watchcase-opener is exceedingly simple and inexpensive in construction, that it possesses great strength and durability, that it is provided with a peripherally-arranged portion for engaging a watch-lid, and that a recess or cavity is located above the engaging portion for causing the bowl to clear the glass or crystal of a lid, whereby the opener is adapted for removing either the front or back lid of a watch.

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

1. A device of the class described, provided with a concave watch-receiving portion having an outer peripheral engaging portion, and provided with an inner portion arranged to clear a watch-crystal and forming a recess adapted to receive the same, whereby the device is prevented from coming in contact with the said crystal, substantially as described.

2. A device of the class described, having a concave watch-receiving portion provided with an outer peripheral lid-engaging portion,

and having an inner arched portion arranged to clear a watch-crystal and forming a recess for the same, substantially as described.

3. A device of the class described, having a concave watch-receiving portion provided with a peripheral lid-engaging portion, the surface of the lid-engaging portion being provided with burs, and a yieldable lining arranged on the lid-engaging portion and engaged by the burs thereof, substantially as described.

4. A device of the class described, provided with a concave watch-receiving portion having a peripheral lid-engaging face, and provided therein with an annular groove, and a yieldable lining secured to the lid-engaging face and extending into the groove, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

REINHOLD H. PAAR.

Witnesses:

F. COOPER,
JOE A. PRATHER.