Aug. 2, 1927. 1,637,557

R. DEPUE

BARBER'S DISPENSING BOTTLE

Filed Nov. 8, 1926

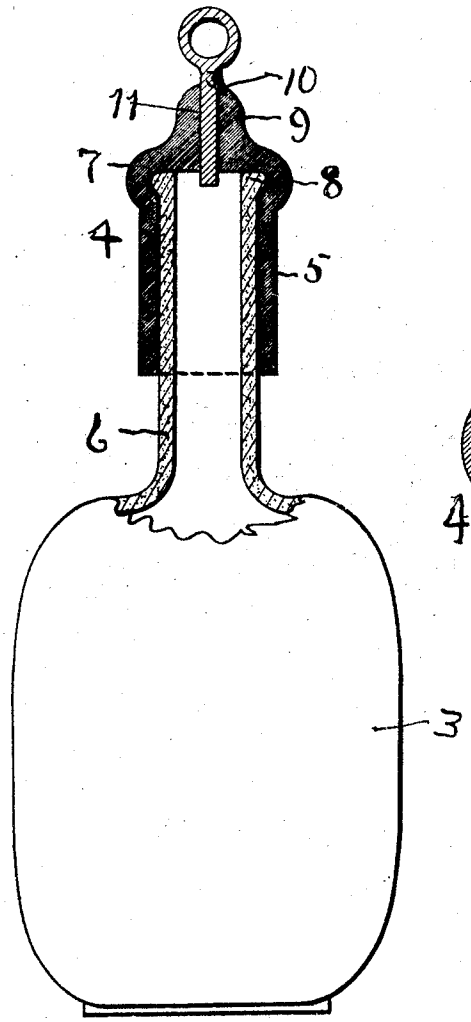


Fig 1

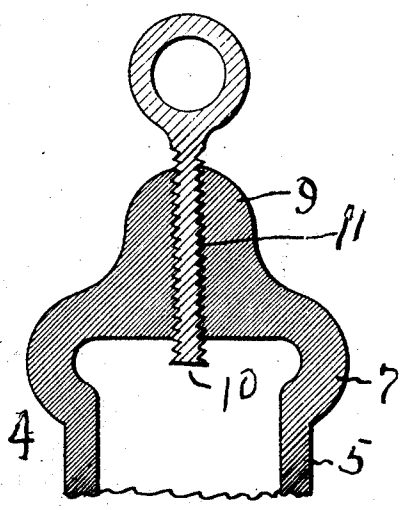


Fig 2

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Patented Aug. 2, 1927. 1,637,557

UNITED STATES PATENT OFFICE.

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BARBER'S DISPENSING BOTTLE.

Application filed November 8, 1926. Serial No. 147,144.

This invention relates to a bottle for use of barbers in dispensing tonics or other liquids, and has for its object to provide a stopper which will not readily become detached from the neck of the bottle, will prevent leakage of the contents of the bottle and will not cause injury to the scalp during use.

Also the invention includes means for sealing the contents when the tonic is shipped from the factory. Another object is to provide a stopper which will provide a hand-hold for an operator while dispensing the tonic from the bottle and will prevent water from entering the bottle while being cleaned or washed.

With the foregoing objects in view, the invention presents a novel and useful construction, combination and arrangement of parts as described herein and claimed, as illustrated in the accompanying drawing, wherein,—

Fig. 1 is a side view of the device, parts being in section. Fig. 2 is a detail relating to Fig. 1.

Referring now to the drawing, the invention is shown and described in connection with a bottle 3 of any suitable form used generally by manufacturers of hair tonics. These receptacles with the contents therein are shipped from the factory ready for use.

In order that the benefits just mentioned may be attained I have provided a stopper 4 of resilient material, and for this purpose ordinary soft rubber may be used to advantage.

It is provided with a sleeve 5 for closely engaging the neck 6 of the bottle and a hollow, annular boss 7 for engaging the rim or annular ridge 8 of the neck and is provided with a projection 9 extending outwardly from the boss.

In the present instance no part of the stopper is disposed in the neck of the bottle and therefore it will not become loose.

Since the parts are elastic the collar snugly fits the neck and while the device may be forcibly removed, the ridge 8 normally will prevent removal.

Numeral 10 indicates a keeper or screw for use of the manufacturer when shipping the goods, who inserts it in the narrow passage way 11 to prevent leakage therethrough.

Before using the bottle and before dispensing its contents the screw or keeper is removed and is not again used or inserted.

It is well known that when applying the contents to the hair, the contents are removed by agitation, (shaking), and interrupted arm movements above and toward the head, and in order that accidental injury or lacerations of the scalp will not occur by these movements, the stopper is provided with the projection 9 and since the stopper is elastic no injury will occur.

Since bottles are generally constructed of glass the hand of an operator often slides on the neck. In the present instance the sleeve 5 provides a hand-hold so that the bottle may be firmly and conveniently held.

It is well known that the stoppers generally used in barbers' tonic bottles often become loose so that they become detached during the operation of dispensing the tonic but, as shown and described herein, the contents cannot be removed by accident or otherwise except by a movement of the liquid through the constricted passageway 11.

Another advantage in the use of the device is that the water will not enter the bottle by moving therein between the stopper and neck, for the reason that the sleeve is closely fitted to the outer surface of the neck, this being a feature of advantage since for sanitary reasons the bottles require occasional washings.

The keeper may have any suitable construction provided it has threads similar to screw-threads and these threads may engage soft rubber in a passageway, and will not permit leakage, and they may be conveniently removed as before mentioned.

While I have shown and described construction in detail, I do not wish to be understood as limiting myself in this respect, and changes may be made in form, size, proportion and minor details as found to be of advantage, said changes being determined by the scope of the invention as claimed.

I claim as my invention,—

In combination with a bottle having an elongated neck with a bead thereon, a bottle stopper comprising a resilient symmetrical integral head and sleeve, said sleeve adapted to embrace the outer portion of the bottle neck and having a boss at the juncture of the sleeve and head to interlock with the bead, said head having a symmetrical projection extending outwardly from its central

portion and having rounded exposed surfaces to contact with the human part to which contents of the bottle is being applied, said head and projection having a continuous passage therethrough opening into the bottle neck and to the exterior, the inner wall of said passage being plain, and a stopper element having a threaded shank adapted to be forced into said plain passage for causing the resilient material to enter into the spaces between the threads of the shank to form a leak-tight fit.

In testimony whereof, I have affixed my signature.

ROY DEPUE.