Jan. 19, 1943. H. N. MOONEY 2,308,771

SOAP HOLDER

Filed June 6, 1940

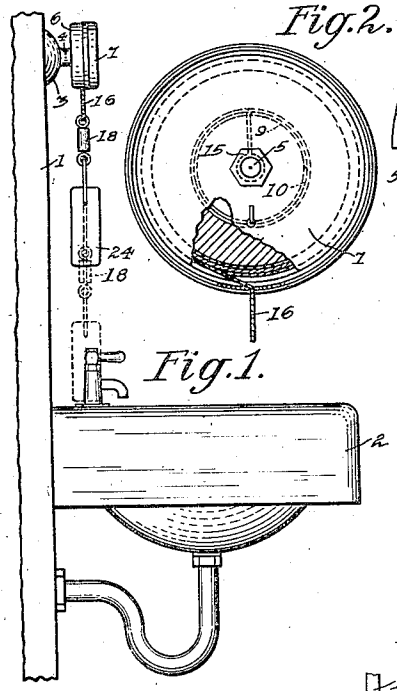


Fig.1.

Fig.2.

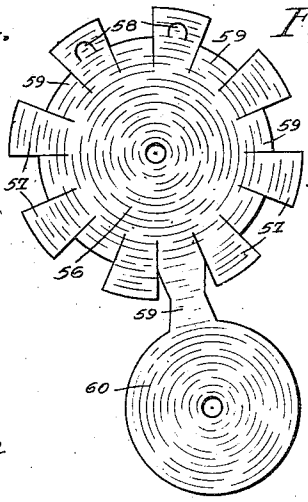


Fig.5.

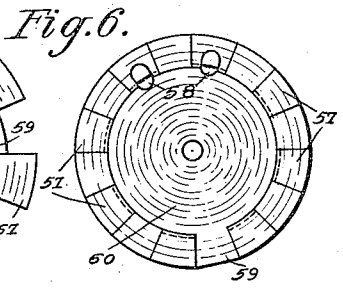


Fig.6.

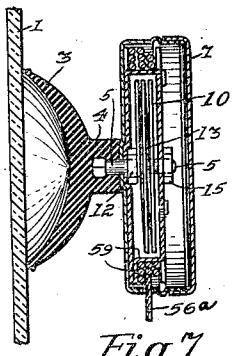


Fig.7.

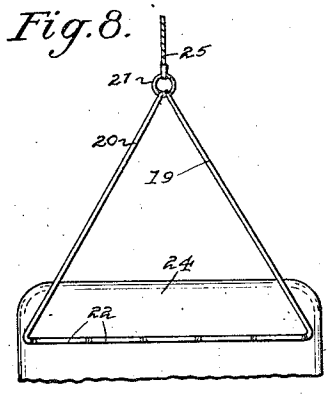


Fig.8.

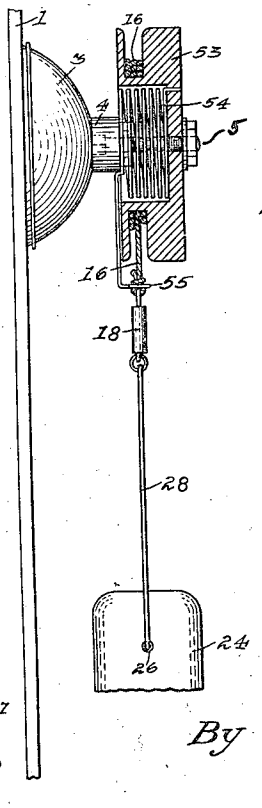


Fig.4.

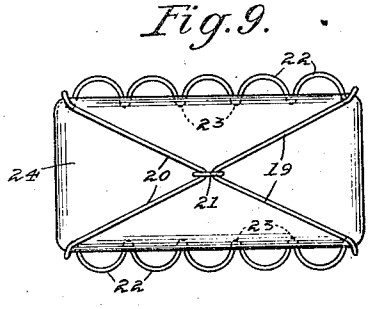


Fig.9.

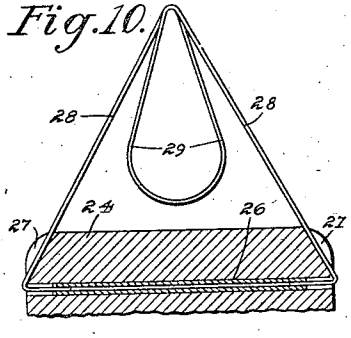


Fig.10.

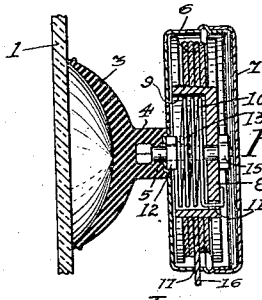


Fig.3.

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SOAP HOLDER

Hugh N. Mooney, Chicago, Ill.

Application June 6, 1940, Serial No. 339,101

1 Claim. (Cl. 242—107)

This invention relates to improvements in soap holders and more particularly to a portable soap holder adapted to be instantly attached to or removed from a support so that a travelling salesman, a vacationist on a trip, a housewife, or any other person may conveniently carry a cake of soap for use particularly in a hotel bathroom, on a railroad train, steam boat or in fact in any washroom any place, the holder being adapted for convenient removable application to the wall about the wash bowl or bath tub and held in suspension within easy reach of the bather or user while washing or bathing.

The soap is so supported that it may be grasped and immersed in the water and applied to the face or body and when released it is automatically returned to the holder to a normal out of the way position out of the water and readily obtainable always by the user. In this way the soap is kept from falling to the floor or falling into the bath or bowl water.

A further object is to provide a soap holder of this type that is ornamental in appearance, that is adapted for use without marring or defacing the bathroom wood work, that is inexpensive to manufacture, and durable in use. Children are prone to leave the soap in the water while bathing which is a wasteful practice that is eliminated by the use of the present holder, and the instant adjustability of the holder to any place about the bath tub makes it very handy for children both large and small, as well as for adults.

With the foregoing and other objects in view the invention consists in the combination and arrangement of parts to be hereinafter fully described, pointed out in the claim and illustrated in the accompanying drawing, in which—

Fig. 1 is a schematic view illustrating one application of the soap holder, two positions thereof being shown.

Fig. 2 is an enlarged detail view of the holder in front elevation and partly in section.

Fig. 3 is a vertical central sectional view through Fig. 2.

Fig. 4 is a view similar to Fig. 3 but involving a slightly modified form of holder.

Fig. 5 is a view of the pulley employed in the holder shown in Fig. 7 in the course of its assembly.

Fig. 6 is a face view of the pulley shown in Fig. 5, assembled.

Fig. 7 is a vertical sectional view of a modified form of soap holder.

Fig. 8 is an enlarged fragmentary view of a cake of soap and the engaging element.

Fig. 9 is a top plan view of Fig. 8, and

Fig. 10 is a face view of a modified form of soap engaging element that may be employed showing the cake of soap engaged thereby.

Like reference characters denote corresponding parts throughout the several views.

The soap holder consists, usually, of a casing or container to which is secured one or more vacuum cups adapted to be readily and removably secured to a flat support in a well known manner, the casing housing a retriever carrying a soap engaging element serving yieldingly to retain the same, together with the cake of soap, in a predetermined position.

The reference numeral 1 denotes a wall and 2 a wash bowl. Referring to Figs. 1, 2 and 3 a rubber suction cup 3 having a stem 4 is removably secured to the support 1 in a well known manner. The stem of the cup is recessed to receive one end of the bolt 5 that extends into the casing 6 through the base thereof and supports same. The casing is provided with a removable cover 7, and arranged within the casing upon the bolt 5 is the wood pulley 8 formed with a compartment 9 to snugly receive a coil spring 10 surrounding the bolt and having one end extending through a small perforation 11 in the casing compartment wall and the opposite end secured between two nuts 12, 13 arranged upon the bolt, the nut 12 serving also to bind the casing firmly to one end of the cup stem 4. The pulley is mounted upon the bolt for rotation and is secured in position by a nut 15 abutting a pulley wall upon the outer end of said bolt. A cord 16 wound about the pulley and at one end secured thereto extends out through a perforation 17 in the casing and is connected by a swivel coupling 18 to a soap-engaging clamp or element which may be of any one of a variety of shapes or designs.

In Figs. 8 and 9 a resilient soap-engaging clamp is provided which consists of a wire frame having opposed upwardly inclined ends 19, 20 connected together at their apices by a ring 21, said frame ends being connected together by the waved base portions or sides 22 having a plurality of pointed portions 23 that bite into the soap bar 24 to support and carry the same. The clamp is secured by a cord 25 to the swivel 18. The tension of the spring 10 is sufficient to yieldingly keep the cord 16 wound about the pulley with the soap bar in raised position, relative to the casing, as shown in full lines in Fig. 1.

In Fig. 10 a modified form of soap engaging element is provided. The soap **24** is provided with a metal open ended tube **26** extending therethrough at a point inwardly from one end of the bar, two corners of the soap bar being formed with a recess **27**, a frame **28** having converging sides that form a large loop **29** at one end and that are bent inwardly at their widely separated ends for disposal in the ends of the tube **26**, said sides extending through the bar recesses **27**, the frame being of resilient material.

The frame is looped, as described, to provide tension and retain the frame ends in engagement with the tube to support the soap, the smaller end of the loop being connected to the swivel.

Referring now to Fig. 4 a slightly modified form of retriever is provided. A wooden pulley **53**, with or without a casting **6**, is provided, a distinguishing feature being that the spring **54** has one end extending beyond the pulley and formed with an eye termination **55** disposed in the path of the cord **16** that passes therethrough and that is guided thereby, said cord being secured to the swivel **18**.

Referring now to Figs. 5, 6 and 7 a metal pulley is provided and same is formed of a single blank forming a main side **56** of circular shape but having somewhat wedge shaped spaced ears **57** formed peripherally thereof and disposed in its plane, two or more of said ears **57** being formed with tongues **58** for a purpose to be hereinafter set forth. Between the several tongues **57** the integral angular ears **59** are formed that extend first at right angles to the side **56** and are then bent parallel thereto and that terminate in a plane disposed outwardly from the periphery of the side **56** proper, a distance the same as that of the free ends of the ears **57**. One ear **59** terminates in a smaller pulley side **60** of round shape disposed opposite to and parallel with the main side **56** and of a diameter common with that of the main side. The sides **56, 60** are spaced apart a distance equal to the length of that portion of an ear **59** disposed at right angles to the side **56** so that the tongues **58** bent from certain of the ears **57** will engage with and be soldered, or otherwise secured, to the side **60**. The spring **10** is arranged about the bolt **5** with one end connected thereto and the other end secured to the bolt by the nut **12** or otherwise. The cord **56***a* passing about the pulley passes between the sides **56, 60** and over that portion of the ears **59** disposed at right angles to the sides.

In use the vacuum or suction cups are readily applied to any support with the bar of soap depending from the casing. To use the soap it is grasped and, as usual, immersed in the water and applied to the body. When released the retriever will return the bar to normal position just below the casing or pulley in an out of the way, out of the water, position always ready for further instant use.

What is claimed is:

In a soap holder, a suction cup, a bolt carried thereby, a pulley upon said bolt, a winding spring within said pulley having one end secured thereto, said spring extending beyond said pulley and terminating in an eye, and a cord on said pulley passing through said eye.

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