July 4, 1944. E. N. BROWN 2,352,769

SHAVING STICK

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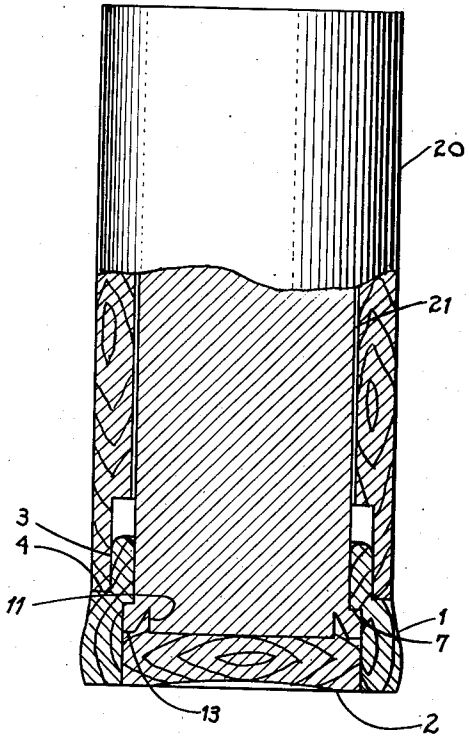

Fig. 1

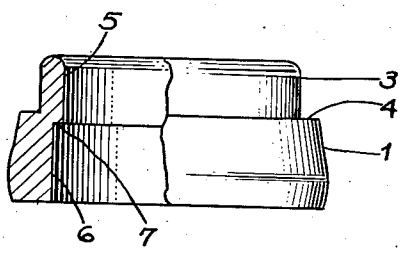

Fig. 2

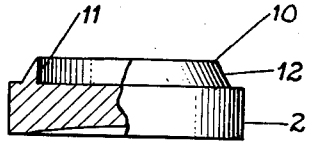

Fig. 3

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SHAVING STICK

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5 Claims. (Cl. 206—56)

This invention relates to shaving-sticks and the like, particularly to the construction of the part thereof, commonly termed a "holder," which serves primarily as a convenient handle for the soap-stick and as a base for supporting the soap-stick in an upright position (as on a shelf).

Though specifically described in connection with a shaving-stick, the invention is manifestly applicable to other articles which are similarly constructed or used, inter alia lipsticks and crayons; accordingly, the term "shaving-stick" as used herein is intended to embrace other articles of the same general construction or use.

Generally, the shaving-sticks hitherto used either do not have the soap-stick securely anchored in the holder, or are complicated and/or difficult to assemble (requiring, for example, special molding of the soap-sticks for retention, or assembly with the soap in fluid or semi-fluid condition).

It is the object of this invention to provide simple, readily-assembled shaving sticks in which the soap-sticks are securely anchored in the holders, and an efficient method of assembling such shaving-sticks.

The shaving-sticks of this invention comprise essentially a cylindrical soap-stick, and a holder surrounding and anchored to an end thereof comprising a base portion and a wall portion, the wall portion having an internal annular groove at its base end, and the base portion having an internally-projecting annular wedge whose tip-diameter is less than the diameter of the soap-stick, the soap-stick at least partially surrounding the wedge and extending into the groove.

The invention will be fully understood from the detailed description hereinafter presented, reference being had to the accompanying drawing, wherein:

Fig. 1 is a side elevational view partly in section of a complete shaving-stick embodying the invention;

Fig. 2 is a side elevational view partly in section of the wall portion of the holder shown in Fig. 1; and

Fig. 3 is a side elevational view partly in section of the base portion of the holder shown in Fig. 1.

In Fig. 1 of the drawing there is shown a complete shaving-stick wherein one end of a soap-stick of the usual cylindrical form is mounted in a holder which cooperates with a cover enclosing the body of the soap-stick and serving as a container for the soap-stick when not in use.

The holder (which, as indicated in the drawing, may be formed of wood) is made of two pieces, annular member (or wall portion) 1 and plug (or base portion) 2. Annular member 1 (Fig. 2) has an outer portion of reduced diameter 3 providing a shoulder 4, and has co-axial bores of different diameter, one bore 5 being of substantially the same diameter as the soap-stick, and the other bore 6 being of a larger diameter and forming with bore 5 internal annular shoulder 7. The cylindrical plug 2 (Fig. 3) is of such diameter that it just fits in bore 6, and has projecting from one side a co-axial annular wedge 11—12, whose tip 10 is of a diameter less than that of the soap-stick. Tip 10 is preferably a cutting edge; the inside face 11 is preferably cylindrical; and the outside face 12 is preferably frusto-conical and forms with face 11 an angle substantially less than 45°.

In the assembled holder (Fig. 1), the plug 2 is so positioned in the annular member 1 as to provide an annular space between shoulder 7 and portion 13 of the plug; so that the assembled holder comprises in effect a base portion and a wall portion, with the latter having an internal annular groove 7—13 at its base end. With the soap-stick (21) mounted in the holder (1, 2), as shown in Fig. 1, the plastic soap mass substantially fills the cylindrical cavity formed by face 11 of the wedge; and a portion of the soap mass is positioned in the annular space 7—13 (and preferably substantially fills this annular space), this portion assisting retention (or anchoring) of the soap-stick in the holder.

The cover (which, as indicated in the drawing, may be formed of wood) is a cylindrical shell 20 (shown partly in section and partly in elevation in Fig. 1) adapted to encase the body of soap-stick 21, the mouth of the shell being of such diameter as to fit snugly on portion 3 of the holder and be readily detachable therefrom.

The shaving stick may be assembled as follows: After applying glue (or other suitable cement or adhesive) to either or both of the contacting surfaces, the plug 2 is inserted into the annular member 1 with the wedge projecting internally, and pushed into the position shown in Fig. 1; and after these parts have become joined, the shaving stick 21 is pushed into the (unitary) holder, preferably until the end of the stick abuts against the inner face of the plug 2. As the stick is pushed in, the tip 10 of the annular wedge enters the end of the stick, and face 12 of the wedge transports part of the soap mass sideways into the annular space 7—13. Preferably,

the holder is so designed that the volume of the wedge is substantially equal to (and preferably slightly greater than) the volume of the annular space 7—13, so that when the stick is pushed in all the way (and the wedge is fully surrounded by the soap-stick), the soap mass transported by the wedge is compacted into the annular space and has a maximum anchoring action. Alternatively, and preferably, the shaving-stick is assembled as follows: The soap-stick 21 and annular member 1 are placed in a supporting device capable of holding them in the relative positions they occupy in Fig. 1 (the inverted shell 20 may serve as such support); glue is applied to either or both of the contacting surfaces of the annular member and the plug; and the plug is inserted into the annular member with its wedge side inward, and pushed into the relative position shown in Fig. 1, the wedge entering the end of the stick, and face 12 thereof spreading the soap mass into the annular space 7—13 and compacting it therein to obtain a maximum anchoring action.

Manifestly, a large number and variety of modifications of the shaving stick shown in the drawing may be made without sacrificing any of the material advantages of the invention. Thus, the plug 2 and annular member 1 may be held together frictionally (i. e., by forcing a tightly fitting plug into the annular member); or the plug may be replaced by a base member attached to the outside of the annular member with only the wedge entering the bore of the annular member; and the base and annular members may be held together by other expedients not shown in the drawing because of their simplicity and conventional nature, e. g., by passing a nail or similar element through the assembled members, or by gluing or otherwise attaching a layer of material (e. g., paper) to the end face of the holder extending over the plug and onto the annular member. The holder (1, 2) and/or shell 20 may be made of plastic, metal, or other structural material. For mass production the holder should be bipartite (plug 2 and annular member 1), but it may be made in one piece. Furthermore, the removable cover need not have an external shape similar to that of the soap stick, and may be removably attached other than frictionally, e. g., by screw-threading; and the body of the soap-stick 21 may be provided with conventional wrapping (not shown) of foil, paper, or the like to protect the portion of the stick not being used.

The invention may be variously otherwise embodied within the scope of the appended claims.

I claim:

1. A shaving-stick comprising a cylindrical soap-stick, and a holder surrounding and anchored to an end thereof comprising a base portion and a wall portion, the wall portion having an internal annular groove at its base end, and the base portion having an internally-projecting annular wedge whose tip-diameter is less than the diameter of the soap-stick, the soap-stick at least partially surrounding the wedge and extending into the groove.

2. A shaving-stick comprising a cylindrical soap-stick, and a holder surrounding and anchored to an end thereof, the holder comprising an annular member having co-axial bores of different diameter, one bore being of substantially the same diameter as the shaving stick and the other bore being of larger diameter and forming therewith an internal annular shoulder, and a cooperating cylindrical plug fitted in said larger diameter bore to provide with said shoulder an internal annular space and having an internally-projecting co-axial annular wedge whose tip-diameter is less than the diameter of the soap-stick, the soap stick at least partially surrounding the wedge and extending into the annular space.

3. A shaving-stick comprising a cylindrical soap-stick, and a holder surrounding and anchored to an end thereof comprising a base portion and a wall portion, the wall portion having an internal annular groove at its base end, and the base portion having an internally-projecting annular wedge with a cutting-edge tip whose tip-diameter is less than the diameter of the soap-stick, the soap-stick at least partially surrounding the wedge and extending into the groove.

4. A shaving-stick comprising a cylindrical soap-stick, and a holder surrounding and anchored to an end thereof comprising a base portion and a wall portion, the wall portion having an internal annular groove at its base end, and the base portion having an internally-projecting annular wedge whose inner face is substantially cylindrical and whose tip-diameter is less than the diameter of the soap-stick, the soap-stick at least partially surrounding the wedge and extending into the groove.

5. A shaving-stick comprising a cylindrical soap-stick, and a holder surrounding and anchored to an end thereof comprising a base portion and a wall portion, the wall portion having an internal annular groove at its base end, and the base portion having an internally-projecting annular wedge whose tip-diameter is less than the diameter of the soap-stick and whose volume is substantially equal to that of the annular groove, the soap-stick at least partially surrounding the wedge and extending into the groove.

ENOCH NORRIS BROWN.