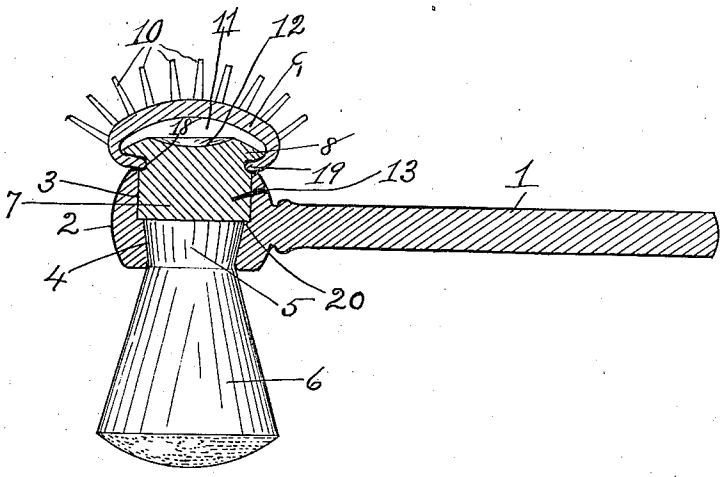
Feb. 5, 1924. 1,482,546

F. C. CURTIS

LATHERING UTENSIL

Original Filed Jan. 8, 1916



INVENTOR:

Frank C. Curtis.

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UNITED STATES PATENT OFFICE.

FRANK C. CURTIS, OF TROY, NEW YORK.

LATHERING UTENSIL.

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To all whom it may concern:

Be it known that I, FRANK C. CURTIS, a citizen of the United States, residing at Troy, county of Rensselaer, and State of New York, have invented certain new and useful Improvements in Lathering Utensils, of which the following is a specification, reference being made to the accompanying drawing, forming a part thereof.

The invention constitutes an improvement on the invention shown and described in United States Letters Patent No. 926,303, dated June 29, 1909, granted to Charles E. Thompson, for lathering utensils.

Certain objects of the invention are to reduce the cost of manufacture; to facilitate the assembling of the parts into the finished utensil; and to avoid the use of metal in the utensil.

Other objects will appear in connection with the following description.

The single figure of the drawing shows a central vertical longitudinal section of a lathering utensil embodying my invention in the preferred form.

The handle, 1, projects laterally from a brush-head, 2, and is preferably integral therewith.

The brush-head is provided with a vertical bore, the upper portion, 3, of which may be substantially cylindrical, and the lower portion, 4, of which is preferably downwardly tapered to receive and fit a similarly tapered butt, 5, of a knot of bristles, 6, the flexible portion of the knot projecting downwardly from the bore.

The cylindrical portion of the bore is occupied by a plug, 7, preferably resting upon the top of the butt, 5, and projecting from the bore.

The projecting end of the plug, 7, has an overhanging flange, 8, partly forming a groove, 18, to receive an annular edge-flange, 19, of a finger-pad, 9, bordering an opening in the bottom of the pad, the pad being chambered to receive the flanged end of the plug, whereby the pad is secured upon the brush-head.

The pad, 9, is made of soft vulcanized rubber having numerous integral fingers, 10, projecting therefrom, forming a massage device which is particularly useful for rubbing in the lather preparatory to shaving.

The knot of bristles may be formed in any known manner; but is preferably formed by embedding the butt-ends of the bristles in rubber vulcanized into a hard unyielding body forming the butt, 5, of the knot, which can be made to fit closely the tapered portion, 4, of the bore, thus, if desired, dispensing with the use of a metal ferrule for the butt-end of the knot.

When the upper portion of the bore is made cylindrical, as shown, I prefer to provide a distinct shoulder, 20, at the junction of the cylindrical and tapered portions, to limit the penetration of the plug into the bore and thereby secure accuracy and uniformity in the projection of the flanged end of the plug from the upper end of the bore, and the projection of the body of bristles, 6, from the lower end of the bore.

The finger-pad is preferably formed with a free space, 11, between the pad and the top of the plug, and the top of the plug is preferably recessed, as at, 12, to contribute to the extent and efficiency of said space to permit the finger-pad to yield inwardly.

My invention makes it possible to separately turn from wood, if desired, the handle and head, 2, as an integral piece, and the plug, 7, as a separate piece.

When so turned, the top and bottom of the piece forming the handle and head, 2, can be slabbed off and the head thereafter bored to receive the knot of bristles and the plug.

In completing the device, the body, 6, of the knot is tied in the usual manner and drawn down through the bore until the butt, 5, approaches its seat in the tapered portion of the bore.

The plug is then inserted and driven down upon the butt of the knot until arrested by the shoulder, 10.

If desired the butt of the knot may be cemented in the tapered portion of the bore and the plug cemented in the cylindrical portion of the bore and also to the top of the butt, 5.

Other means may, however, be employed to secure the plug within the bore, as a nail, 13, or the like, passing through the wall of the head, 2, into the plug.

From a long series of tests, however, I believe the plug can be satisfactorily secured in the bore by suitable cement without the use of the fastening device, 13; and I have found ordinary shellac suitable for this purpose.

If wooden pieces are employed, I prefer to have them covered with waterproof enamel,

or finish; and when so made and the plug is properly fitted to and cemented in the bore, the device will be substantially waterproof and watertight.

What I claim as new and desire to secure by Letters Patent is:

1. A lathering utensil comprising a head provided with a bore, a handle projecting laterally from the head, a body of bristles projecting from one end of the bore, the body and head having means for preventing relative movement between the head and bristles in one direction; a finger-pad formed with a recess, and a plug secured in the other end of the bore and having a peripheral flange outside the bore extending into said recess of the finger-pad, whereby the plug prevents escape of the bristles from the bore and secures the pad to the head.

2. A lathering utensil comprising a head provided with a bore, a handle projecting laterally from the head, a knot of bristles projecting from one end of the bore, said head and knot having means for preventing relative movement between the head and bristles in one direction including a butt end of the bristles seated within the bore, a finger-pad, and a plug secured in the other end of the bore and projecting therefrom, said plug having a flange and a peripheral groove adjacent the head, the finger-pad having a portion engaging the peripheral groove whereby the plug prevents the escape of the bristles from the bore and secures the pad to the head.

3. A lathering utensil comprising a head having a bore cylindrical at one end and tapered at the other, a handle projecting laterally from the head, a knot of bristles projecting from the tapered end of the bore and having a similarly tapered butt seated therewithin, said butt cooperating with said bore to prevent relative movement between the head and bristles in one direction, a finger-pad, and a plug having a portion fitting within the cylindrical portion of the bore and having a flange outside of and spaced from the head, the finger-pad engaging the flange on the plug whereby the plug prevents escape of the bristles from the bore and secures the pad to the head.

4. A lathering utensil comprising a head having a bore cylindrical at one end and tapered at the other and having a shoulder at the inner end of the cylindrical portion, a knot of bristles projecting from the tapered end of the bore and having a tapered butt fitting therewithin, the butt cooperating with said bore to prevent relative movement of said bristles and head in one direction, a finger-pad, a plug having a cylindrical portion fitting and secured within the cylindrical portion of the bore and abutting against said shoulder and the butt of the knot of bristles, said plug having a flanged end exterior to the bore, the finger-pad being engaged by said flanged end, whereby the plug prevents escape of the bristles from the bore and secures the pad to the head.

5. A lathering utensil comprising a head provided with a bore, a handle projecting laterally from the head, a knot of bristles projecting from one end of the bore, means for preventing movement of the bristles relative to the head in one direction, a hollow finger-pad, a plug secured within the other end of the bore and having a flanged end projecting therefrom and extending into the finger-pad, the top of the plug being provided with a recess and there being a free space between the pad and the top of the plug, whereby the plug prevents escape of the bristles from the bore and secures the pad to the head.

In testimony whereof, I have hereunto set my hand this 6th day of January, 1916.

FRANK C. CURTIS.