Oct. 15, 1963 H. B. STONER 3,106,741

SAUCE APPLYING BRUSH

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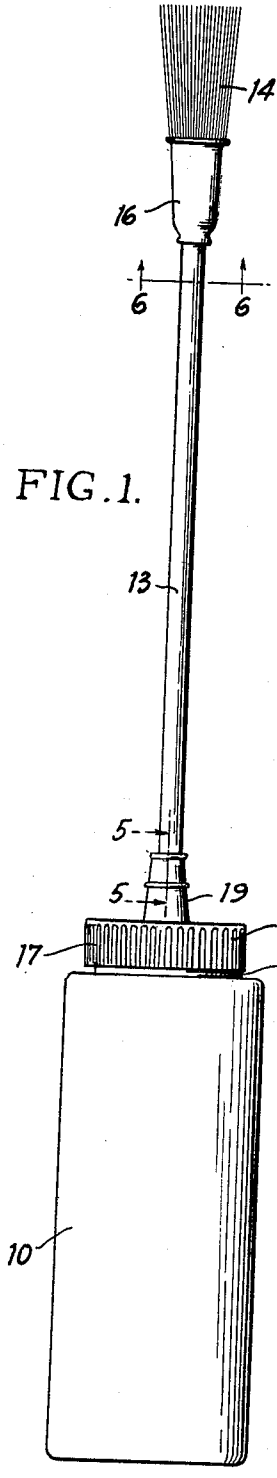

FIG. 1.

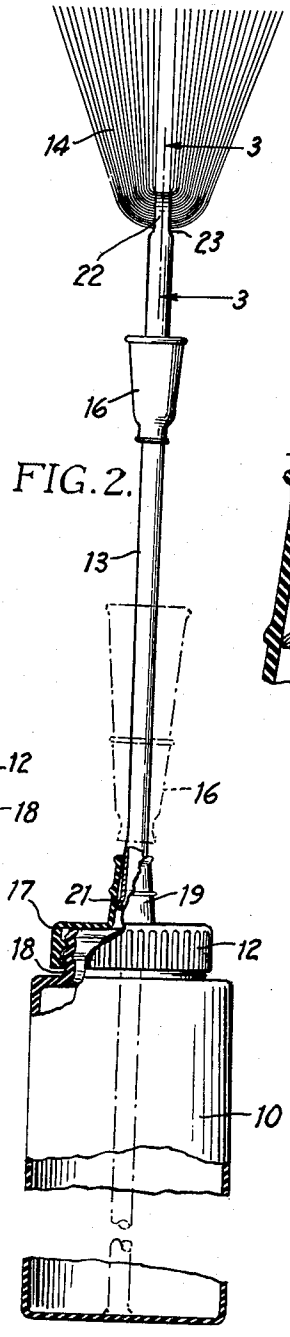

FIG. 2.

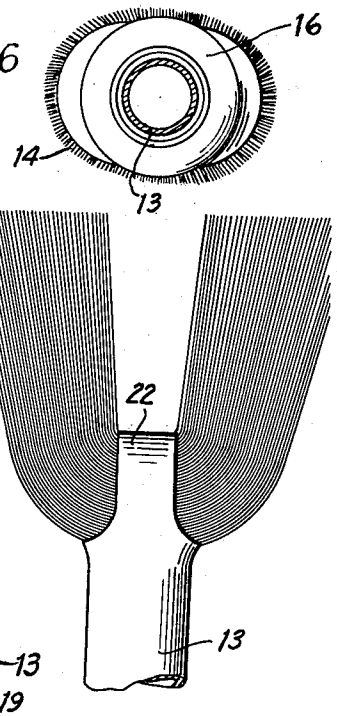

FIG. 6

FIG. 4.

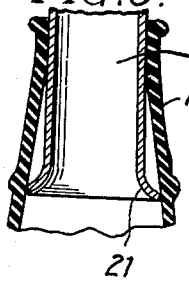

FIG. 5.

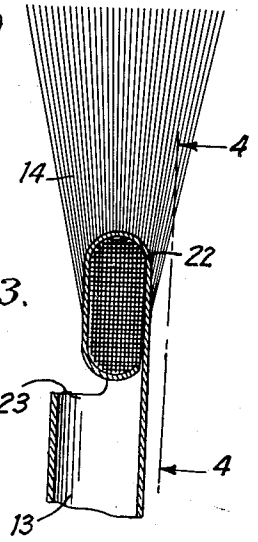

FIG. 3.

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SAUCE APPLYING BRUSH

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This invention relates to devices for applying sauces and the like. More particularly, this invention relates to a brush having a hollow handle through which sauce or the like is supplied to the brush.

An object of this invention is to provide a device of this type in which bristles of a brush are held firmly at an end of a hollow tube or handle and in which portions of the bristles attached to the handle are surrounded by a sleeve which holds the bristles in position in the shape of a brush and guides sauce from the handle on to the bristles.

A further object of this invention is to provide a device of this type in which the hollow handle is mounted on a cap of a squeeze-type bottle so that sauce can be squeezed from the bottle along the hollow handle to the brush.

A further object of this invention is to provide a device of this type in which the end of the handle is slideably received inside a frusto-conic projection or neck of the cap so that the handle can be retracted into the bottle when not in use.

A further object of this invention is to provide a device of this type in which the handle has a flared portion receivable inside the frusto-conic section and engageable therewith to form a seal between the fusto-conic portion and the handle when the bottle is squeezed.

The above and other objects and features of the invention will be apparent to those skilled in the art to which this invention pertains from the following detailed description and the drawing in which:

FIG. 1 is a view in side elevation of a sauce applying bottle and brush constructed in accordance with an embodiment of this invention;

FIG. 2 is a view partly in side elevation and partly in section of the sauce applicator illustrated in FIG. 1, a brush holding collar being shown in retracted position with the bristles of the brush in spread position, the brush and handle being shown in a retracted position in dot-dash lines;

FIG. 3 is an enlarged view in section taken on the line 3—3 in FIG. 2;

FIG. 4 is an enlarged fragmentary view taken in the direction of the arrows 4—4 in FIG. 3;

FIG. 5 is an enlarged fragmentary view in section taken on the line 5—5 in FIG. 1; and

FIG. 6 is an enlarged view in section taken on the line 6—6 in FIG. 1.

In the following detailed description, and the drawing, like reference characters indicate like parts.

In FIGS. 1 and 2 is shown a sauce applicator constructed in accordance with an embodiment of this invention; the sauce applicator includes a bottle **10** of resilient rubber-like plastic material, a cap **12**, a hollow tubular handle **13**, bristles **14** at an end of the handle and a sleeve **16** mounted on the handle and adapted to overlie the bristles.

The cap includes a main portion **17** threaded on a neck **18** of the bottle **10**. Upwardly from the main portion of the cap **17** extends a hollow frusto-conic neck **19**.

As indicated most clearly in FIG. 5, the handle **13** has an outwardly flared lower portion **21** which is received inside the frusto-conic neck **19** of the cap. When the handle is in the extended position shown in FIG. 1 and in full lines in FIG. 2, the flared portion **21** engages the interior of the frusto-conic section as shown in FIG. 5.

The handle can slide inside the frusto-conic portion from the position shown in full lines in FIGS. 1 and 2 to the position shown in dot-dash lines in FIG. 2 in which the handle is retracted into the interior of the bottle **10**.

As shown most clearly in FIGS. 3 and 4, the upper end of the handle **13** terminates in a tongue **22** which is return bent around the central portion of the bristles **14** to grip the bristles. An opening **23** at the upper end of the handle **13** (see FIG. 3) permits sauce or the like (not shown), to reach the bristles.

The opening **23** and the return bent tongue **22**, are normally covered by the sleeve **16** when the sauce applicator is in use. As shown in FIGS. 1 and 2, the sleeve **16** is slideably mounted on the handle **13** and can surround the bristles in the brush-shape position of FIG. 1. When the sauce applicator is in the position shown in FIG. 1 and the bottle portion **10** is filled with sauce, squeezing of the bottle portion drives the sauce along the hollow handle **13** to the bristles of the brush. When the sauce applicator is not in use, the handle **13** can be retracted to the dot-dash position of FIG. 2.

The sauce applicator illustrated in the drawings and described above is subject to structural modification without departing from the spirit and scope of the appended claims. Having described my invention, what I claim is new and desire to secure by Letters Patent is:

1. In combination, a bottle having resilient walls, a cap closing the bottle, the cap including a hollow frusto-conic neck portion extending outwardly from the bottle, a hollow tubular handle received inside the neck portion, there being an outwardly flared end portion of the handle engageable with the interior of the frusto-conic neck portion when the handle is in an extended position, the handle being slideable lengthwise of the neck portion to a retracted position housed inside the bottle, there being an opening at an outer end of the hollow tubular handle, a tongue on the handle extending outwardly of the handle at the open end thereof, said tongue having a return bent portion, a plurality of bristles held by the return bent portion of the tongue, and a collar slideably mounted on the handle, the collar including a first portion embracing the handle and a second portion engageable with the bristles to hold the bristles in brush shape, fluid in the bottle being driven along the handle when the handle is in extended position and the bottle is squeezed, the collar directing the fluid onto the bristles when the bristles are in brush position.

2. In combination, a bottle having resilient walls, a hollow tubular handle mounted on the bottle in communication with the interior thereof, there being an opening at an outer end of the hollow tubular handle, a tongue on the handle extending outwardly of the handle at the open end thereof, said tongue having a return bent portion, a plurality of bristles held by the return bent portion of the tongue and a collar slideably mounted on the handle, the collar including a first portion embracing the handle and a second portion engageable with the bristles to hold the bristles in brush shape, fluid in the bottle being driven along the handle when the bottle is squeezed, the collar directing the fluid onto the bristles when the bristles are in brush position.

3. In combination, a bottle having resilient walls, a cap closing the bottle, the cap including a hollow neck portion extending outwardly from the bottle, a tubular hollow handle received inside the neck portion, the handle being slideable lengthwise of the neck portion to a retracted position in which a major portion of the handle is housed inside the bottle, there being an opening at an outer end of the hollow tubular handle, a tongue on the handle extending outwardly of the handle at the open end thereof, said tongue having a return bent portion, a plurality of bristles held by the return bent portion of the

tongue and a collar slideably mounted on the handle, the collar including a first portion embracing the handle and a second portion engageable with the bristles to hold the bristles in brush shape, fluid in the bottle being driven along the handle when the bottle is squeezed, the collar directing the fluid onto the bristles when the bristles are in brush position.

4. In a sauce dispensing device the combination comprising a tubular handle having an outer end port through which sauce may be moved, a tongue on the handle extending beyond said port and having a return bent portion spaced from the port, a plurality of bristles held by the return bent portion of said tongue and spaced from the port, and a sleeve mounted on and in sealing relation to the tubular handle and slideable along the handle into indexing engagement with the bristles to support and shape the bristles in brush-form array and conduct sauce between said port and said bristles, along and among which the sauce is moved while the bristles are supported in brush-form array by said sleeve.

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