Oct. 17, 1967 C. B. JOHNSON 3,346,908

BRUSH ATTACHMENT FOR PRESSURIZED CONTAINER

Filed April 11, 1966

FIG. 1

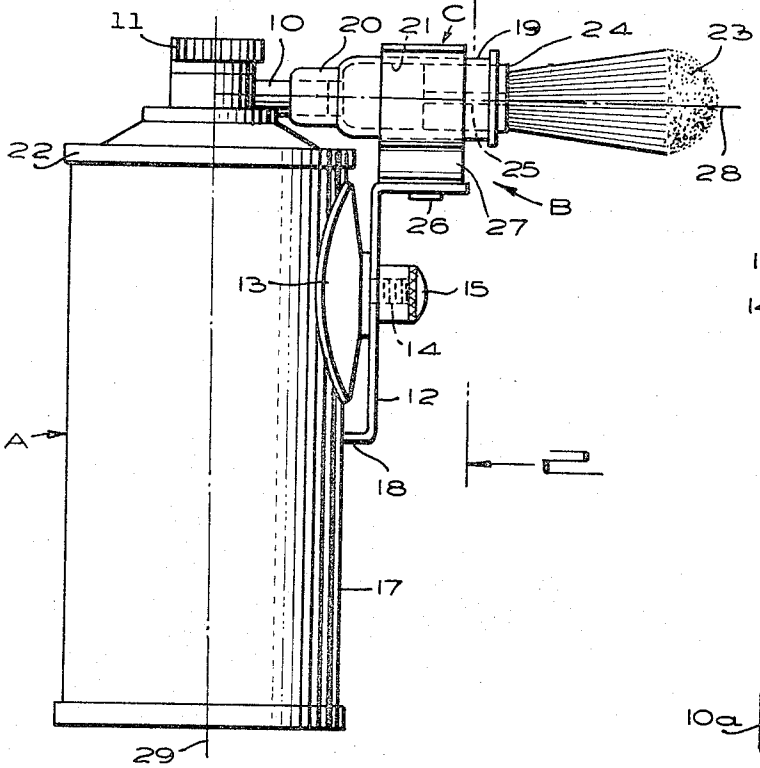
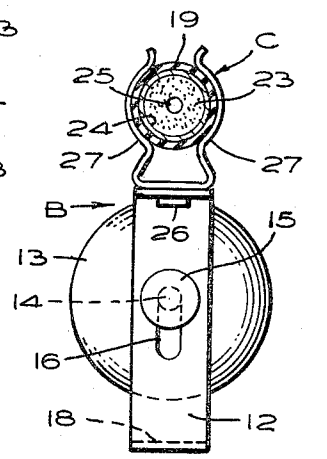


FIG. 2



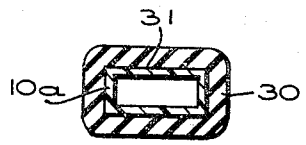


FIG. 4

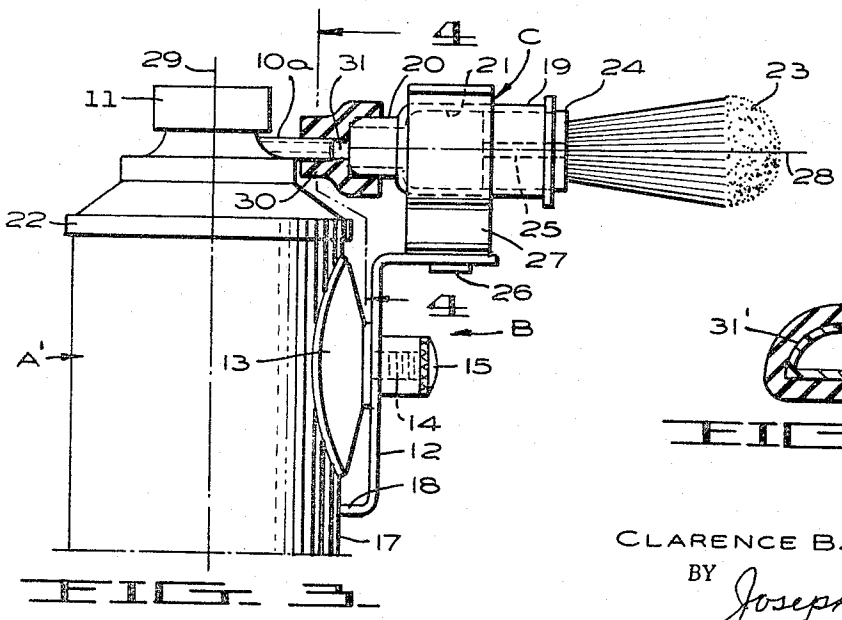


FIG. 3

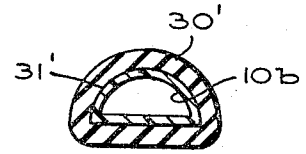


FIG. 5

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BRUSH ATTACHMENT FOR PRESSURIZED CONTAINER

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The present invention relates to improvements in a brush attachment for pressurized container, and it consists of the combinations, constructions and arrangement of parts, as hereinafter described and claimed.

An object of the invention is to provide a brush attachment that may be readily secured to a pressurized container and firmly supported thereon so that contents of the container can be delivered to the bristles of the brush, the application of the brush attachment to the container being accomplished with facility and ease.

More specifically stated, it is proposed to provide a bracket having a suction cup secured thereto, this cup being made to be anchored to the container, and the brush having a tubular handle made to be connected to a discharge spout of the container, whereby contents of the latter may be conveyed to the brush. Moreover, the bristles of the brush are arranged in a position so that the bristles may be used without interference by the bracket.

Another object of the invention is to provide a spring clip on the top of the bracket that is adapted to engage with the handle of the brush so as to secure the brush to the bracket, whereby the brush may be readily connected to the bracket or removed therefrom.

Other objects and advantages will appear as the specification proceeds, and the novel features of the invention will be particularly pointed out in the appended claims.

Drawing

For a better understanding of the invention, reference should be had to the accompanying drawing, forming part of this specification, in which:

FIG. 1 is a side elevational view of my brush attachment for pressurized container;

FIG. 2 is a vertical sectional view taken along the plane 2—2 of FIG. 1;

FIG. 3 is a view similar to FIG. 1, but disclosing a nipple for coupling the discharge spout of the container to the inlet end of the brush handle, this nipple being shown in section;

FIG. 4 is an enlarged sectional view taken along the line 4—4 of FIG. 3, showing a discharge spout that is rectangular in cross-section; and

FIG. 5 is a view similar to FIG. 4, but showing a discharge spout that is semi-cylindrical in cross-section.

While I have shown only the preferred embodiments of my invention, it should be understood that various changes, or modifications, may be made within the scope of the appended claims without departing from the spirit thereof.

Detailed description

Referring now to the drawing in detail, there has been shown a pressurized container designated generally at A in FIG. 1 for holding contents, for instance, instant lather for shaving, but I do not desire to be limited as to the contents. Such a container is referred to as an "Aerosol" container in the trade, and it has a discharge spout **10** extending laterally therefrom and through which the contents may be discharged under control of a valve **11**.

It will be noted that my brush attachment is designated generally at B in FIGS. 1 and 2, and it defines a bracket **12** having a suction cup **13** secured thereto by a stud **14** and nut **15**, this stud passing through a slot **16** formed

in the bracket (see FIG. 2). This suction cup is made for being anchored to the exterior surface **17** of the container A. A foot **18** is provided on the lower end of the bracket below the suction cup **13** so as to bear against the container and steady the bracket, when the cup is anchored to the container.

With reference to FIGS. 1 and 2, it will be apparent that a brush defines a tubular handle **19** positioned above the bracket **12**, and this handle has an inlet end **20** made to be connected to the discharge spout **10** by being telescoped thereover, whereby contents from the container A may be conveyed to the hollow interior **21** of the brush handle **19**. The slot **16** will permit the suction cup **13** to be adjusted vertically relative to the bracket **12** so that this cup may be positioned below the crimped annular flange **22** of the container, when the inlet end **20** is aligned with the spout **10**.

As will be apparent from FIGS. 1 and 2, the brush has bristles **23** carried by a ferrule **24** and the latter is telescoped into the interior **21** of the handle **19** from the front end of the handle. The interior of the handle communicates through a bore **25** with the bristles **23**, whereby the contents of the handle may be transferred to the bristles.

For the purpose of securing the brush to the bracket **12** for support thereby, a spring clip C is secured to the top of the bracket, for instance, by a rivet **26**, and this clip defines a pair of spaced spring legs **27** made to straddle the brush handle **19** and yieldingly engaging this handle, as shown in FIG. 2.

As clearly disclosed in FIG. 1, the bristles **23** of the brush project outwardly beyond the bracket **12** in a direction opposite to the container A. The longitudinal axis **28** of the brush is disposed substantially at right angles to the vertical axis **29** of the container A. Thus the brush may be utilized without removing it from the spring clip C, with the user grasping the container in one hand.

The discharge spout **10** in FIG. 1 is cylindrical; however, "Aerosol" containers are now on the market that have rectangular-shaped discharge spouts **10***a* (see FIGS. 3 and 4) and semi-cylindrical discharge spouts **10***b* (see FIG. 5).

The brush attachment disclosed in FIG. 3 is identical with the one shown in FIGS. 1 and 2; therefore, like reference numerals have been applied to corresponding parts. However, in order to accommodate the brush attachment B to the rectangular discharge spout **10***a* in FIG. 3, a nipple **30** made of resilient material has been provided. This nipple has a bore **31** extending therethrough, the rear and front portions of this bore being made to telescopically receive the discharge spout **10***a* of the container A' and the inlet end **20** of the brush handle **19**, respectively, whereby the nipple **30** will convey contents from the container to the interior of the handle.

When the discharge spout **10***b* for the container (see FIG. 5) is semi-cylindrical in cross-section, the nipple **30'** will have a bore **31'** of this same shape.

In any event, the nipples **30** and **30'** will have fluid-tight connections with the discharge spouts with which they are used, and likewise these nipples will have snug fits with the inlet end **20** of the brush handle.

I wish to stress the fact that my brush attachment B has universal application to pressurized containers of various sizes and shapes and may be accommodated to discharge spouts of different cross-sections.

I claim:

1. In a brush attachment for pressurized container:
   (a) a bracket having a suction cup secured thereto, this cup being made to be anchored to the exterior surface of a pressurized container;
   (b) a brush defining a tubular handle positioned above the bracket, and this handle having an inlet end made

to be connected to a discharge spout of the container, whereby contents of the latter may be conveyed to the interior of the handle;

(c) the brush having bristles, and the interior of the handle communicating through a bore with the bristles, whereby the contents of the handle may be transferred to the bristles;

(d) and means securing the brush to the bracket for support thereby.

2. The brush attachment for pressurized container, as set forth in claim **1**;

(e) and in which the bristles of the brush project outwardly beyond the bracket in a direction opposite to the container.

3. The brush attachment for pressurized container, as set forth in claim **2**;

(f) and in which the longitudinal axis of the brush is disposed at substantially right angles to the vertical axis of the container.

4. The brush attachment for pressurized container, as set forth in claim **1**;

(e) and in which said means consists of a spring clip secured to the top of the bracket, and this clip defining a pair of spaced spring legs made to straddle the brush handle and yieldingly engaging the handle.

5. The brush attachment for pressurized container, as set forth in claim **1**;

(e) and in which a foot is provided on the lower end of the bracket below the suction cup so as to bear against the container and steady the bracket, when the cup is anchored to the container.

6. The brush attachment for pressurized container, as set forth in claim **1**;

(e) and in which a nipple made of resilient material has a bore extending therethrough, this bore being made to telescopically receive the discharge spout of the container and the inlet end of the tubular handle, whereby the nipple may convey contents from the container to the interior of the handle.

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