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D. A. SEAVER

3,309,728

RETRACTABLE BRUSH HOLDER

Filed Feb. 17, 1965

Fig. 1.

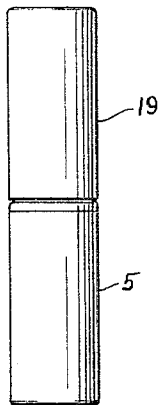


Fig. 2.

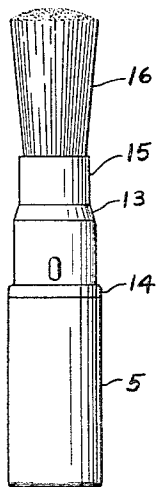


Fig. 3.

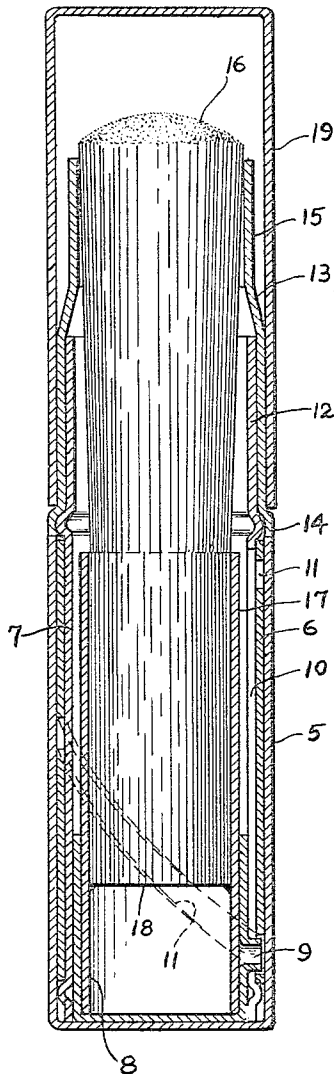
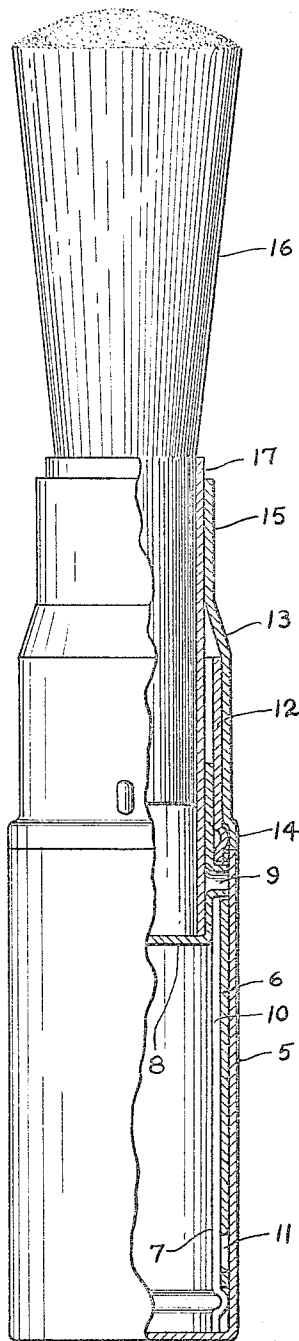


Fig. 4.



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1 Claim. (Cl. 15—184)

This invention relates to a retractable brush holder,
and more particularly to improvements in a swivel-type
container to extend the advantages of the usual swivel-
type lipstick holder to a cosmetic brush.

Prior attempts to use swivel-type holders for brushes
have had some serious objections. When the bristles are
mounted in the usual carrier cup, they will be alongside
the slots in the inner shell and cam sleeve of the usual
swivel-type lipstick holder and thus very liable to being
caught up or tangled in the slots.

Another fault arises from the fact that the brush being
somewhat longer than the normal lipstick, will project
considerably beyond the container even in the fully re-
tracted position so that there is nothing for protecting
the bristles against damage.

My invention solves both of these problems with the
combination of an elongated ferrule on the brush which
reaches to the upper ends of the slots in the swivel con-
tainer, together with a sleeve extension secured to a por-
tion of the inner shell projecting above the outer shell.
This not only serves as a sheath or guard for the bristles,
but also as a convenient means for operating the device.

In the accompanying drawing, I have shown for pur-
poses of illustration, one embodiment which my inven-
tion may assume in practice. In the drawing:

FIG. 1 is a side view with the cover in place;

FIG. 2 is a side view with the cover removed;

FIG. 3 is a central vertical section on a larger scale
with the brush retracted and cover in place; and

FIG. 4 is a side view, partially in section, with the
cover removed and the brush projected.

As in one type of swivel lipstick holders, there is an
outer shell 5 which is closed at the bottom and open at
the top; a cam sleeve 6 firmly fixed inside the outer shell;
an inner shell 7 and a carrier cup 8. The carrier cup
has a lateral pin 9 projecting through the vertical slot 10
of the inner shell into engagement with the spiral slot 11
in the cam sleeve.

The inner shell has an upper end portion 12 projecting
above the outer shell, and secured to this portion 12 is a
sleeve extension 13 which is enlarged at the bottom as
indicated at 14, so as to abut the upper edge of the outer
shell 5. The upper end of this sleeve extension 13 is
further reduced in diameter as indicated at 15, so as to
shield and confine the bristles 16.

The bristles 16 are fixed in an elongated ferrule 17,
the bottom end of which is snugly fitted into the carrier
cup 8. This ferrule is long enough to extend into the
vicinity of the upper end of the slots 10 and 11 so as to

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shield the bristles from such slots when the carrier cup is
fully retracted in the inside shell as shown in FIG. 3.
Due to the length of the ferrule 17, to shield the bristles
from the slots, the bottom ends of the bristles need not
extend to the bottom of the ferrule, but only to some
such line as indicated at 18.

It will thus be seen that with this relatively simple con-
struction, I have provided an improved brush holder hav-
ing the advantages of the swivel-type lipstick container
while at the same time, overcoming the objections former-
ly experienced with such containers used to hold a brush.

The container may be closed by the usual form of cover
19 which is frictionally fitted upon the sleeve extension
13. For purposes of economy, the cover 19 and the
outer shell 15 are identical in construction and therefore,
interchangeable with each other.

What I claim is:

A retractable brush holder in the form of a swivel
type container comprising

- (a) an outer shell having a closed bottom end and an
open top end;
- (b) a cam sleeve fitting tightly inside said outer shell
and having a spiral slot extending substantially
throughout its length;
- (c) an inner shell fitting loosely in said cam sleeve
and having a vertical slot substantially co-extensive in
its vertical dimension with said spiral slot;
- (d) a carrier cup inside said inner shell and having a
pin projecting through said vertical slot into engage-
ment with said spiral slot;
- (e) a brush having an elongated cylindrical ferrule
and bristles anchored in and extending axially from
the upper end of said ferrule, the bottom end of said
ferrule fitting snugly in said carrier cup, the length
of said ferrule being sufficient to shield said bristles
from said slots when the carrier cup is fully retracted
in the inside shell;
- (f) said inner shell extending a substantial distance
above said outer shell; an extension sleeve secured
to the upper end of said inner shell, the bottom end
of said extension sleeve being enlarged into an align-
ment with the upper edge of said outer shell, said
extension sleeve projecting almost to the end of said
bristles when the carrier cup is fully retracted and
being of somewhat reduced diameter in its upper end
portion to confine said bristles.

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