The object of this invention is to provide a bottle closure of the screw-cap, cork-lined, variety with a swab or dauber for use in applying or distributing the contents of the bottle.

The invention consists of a metallic cap having a lining of cork or other sealing medium, adapted to close the bottle liquid-tight, the cap having applied to it the stem of a swab or dauber of any approved material, through a hole in the lining, as I will proceed now to explain and finally claim.

In the accompanying drawings illustrating the invention, in the several figures of which like parts are similarly designated, Figure 1 is a sectional view illustrating one form of the invention, with the lined cap and the swab or dauber aligned therewith as it will be before permanently connecting the two. Fig. 2 is an elevation of the swab or dauber detached with the tuft or liquid applying or distributing element in cross-section and illustrated as made of filamentous strands or cords. Fig. 3 is a cross-section of the lined cap detached. Fig. 4 is a sectional elevation of the finished article, showing a swab or dauber tuft made of fiber, such as wool. Fig. 5 is an inverted view of the cap with the stem of the swab or dauber in cross-section. Fig. 6 is a sectional elevation showing the use of a piece of felt as the distributing element of the swab or dauber.

The cap 1 may be an inverted cup-shaped structure, preferably having a screwthreaded rim or flange 2, which forms part of a screw connection with the neck of the bottle. In order to make the cap liquid-tight on the bottle, it is provided with a lining 3, of cork or other liquid-tight material. This lining is shown as made in the form of an annulus, the central hole of which is adapted to occupy the center of the cap and the walls of which form a mold or matrix for a section or gob or a quantity of solder 4 used to firmly attach the wire stem 5 of the swab or dauber in and to the cap.

For purposes of ready attachment of the stem to the cap, the end of the stem is bent at right angles, as shown at 6, and this is positioned within the hole in the lining and in contact with the cap, and then molten solder is deposited over this bent end on the exposed portion of the cap within the hole in the center of the lining, and allowed to cool, to thereby firmly and rigidly unite the cap and stem.

The stem may have applied to it, in any suitable way, any sort of distributing medium. In Figs. 1 and 4 this distributing medium is shown as a tuft of woolen fibers 7, gripped by bends 8 in the outer end of the stem 5, which bends are made in the act of assembling the tuft and stem. In Fig. 2 the tuft 9 is a bundle of cords or filamentous material, similarly gripped by the stem. In Fig. 6 the distributing medium 10 is a piece of felt, also similarly engaged by the stem, the bends 8 being elongated to correspond with the transverse dimensions of the part 10.

As will be observed, the formation of the lining 3 with the central hole or opening 11 not only provides sufficient area for engagement with the mouth of the bottle to effect a liquid-tight closure thereof, but it also serves to define or delimit the gob of solder used to attach the stem to the cap.

I am aware that swabs or daubers have been made of tufts of liquid absorbing and distributing material grasped by wire stems, and these stems have been attached to cork stoppers and also to wooden stoppers, but I am not aware that such distributing devices have been combined with metallic screw-caps as herein described. These screw-caps are much more readily applied to and removed from the bottle than the referred-to stoppers, and are less likely to stick than such stoppers, and in addition will not break off in the neck of the bottle.

What I claim is:

1. A capped swab or dauber, comprising a metal cap, a lining made of a liquid-tight material and provided with a central hole, and a dauber stem of metal having one end bent at right angles, said bent end located within the hole in the lining and secured to the cap by solder applied within the hole in the lining to said bent end and the adjacent portions of the cap, the hole in the lining serving to delimit the solder.
2. A swab or dauber, having a tuft of liquid-distributing material, a stem rigidly applied by one end to said tuft and having its opposite end bent at right angles to the body of the stem, a metallic screw-cap having an annular liquid-tight lining, and a gob of solder applied to the bent end of the stem upon the inside surface of the cap and located within and delimited by the opening in the lining.

In testimony whereof I have hereunto set my hand this 3rd day of January A. D., 1925.

PETER CODINA.