(No Model.)

G. E. MEEKER.

SPREADING DEVICE FOR LIQUID BLACKING.

No. 457,826. Patented Aug. 18, 1891.

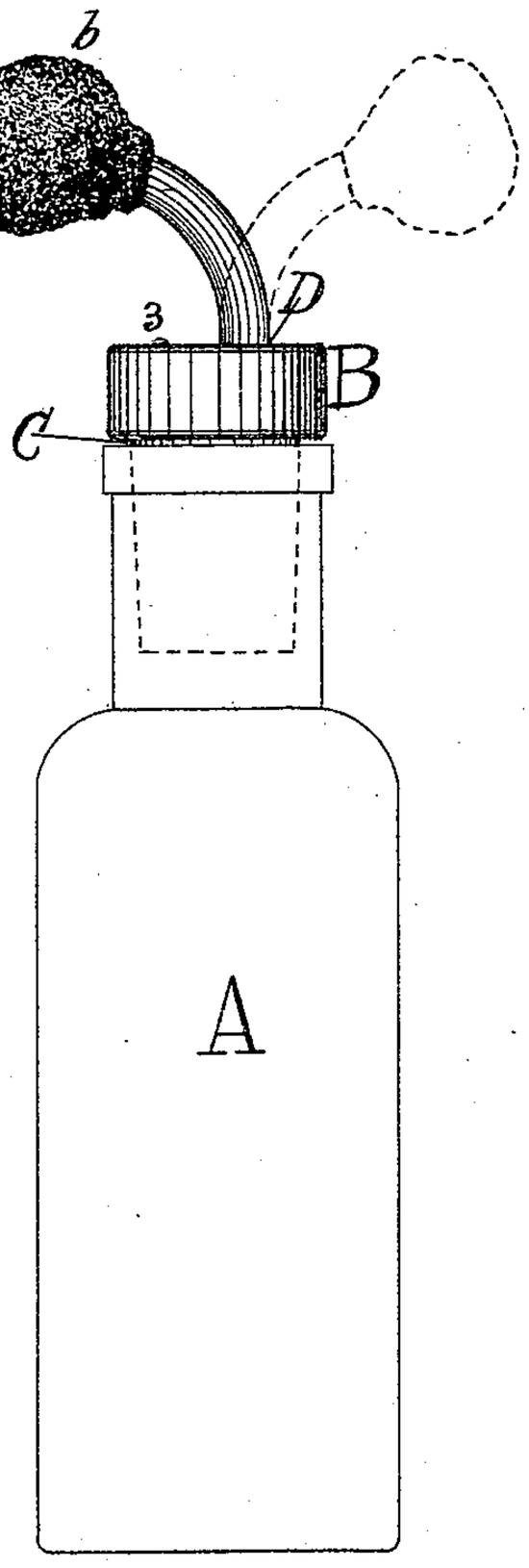

FIG. 1.

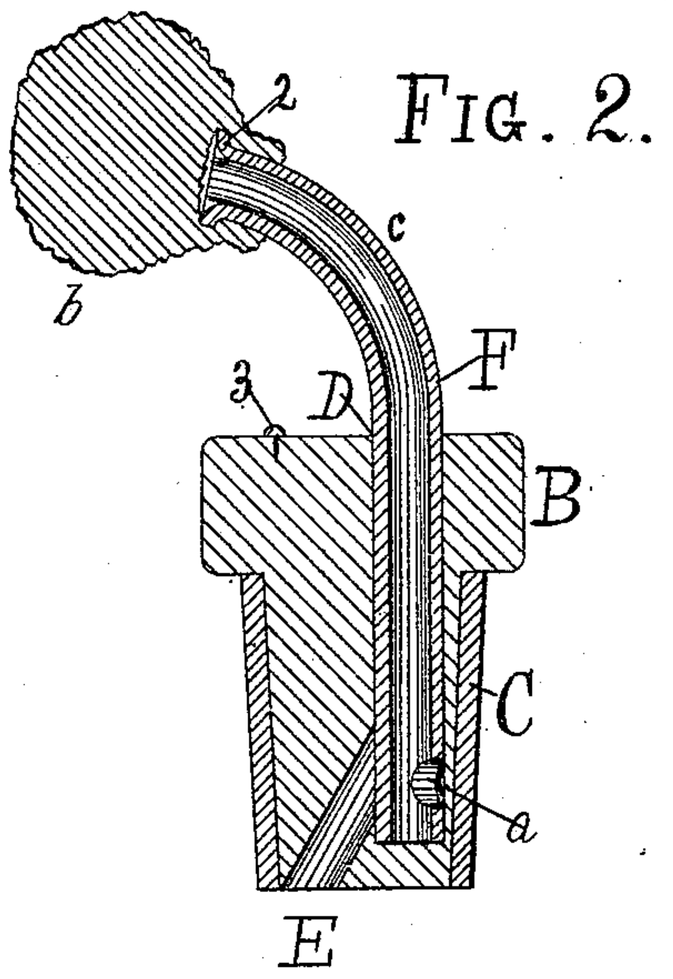

FIG. 2.

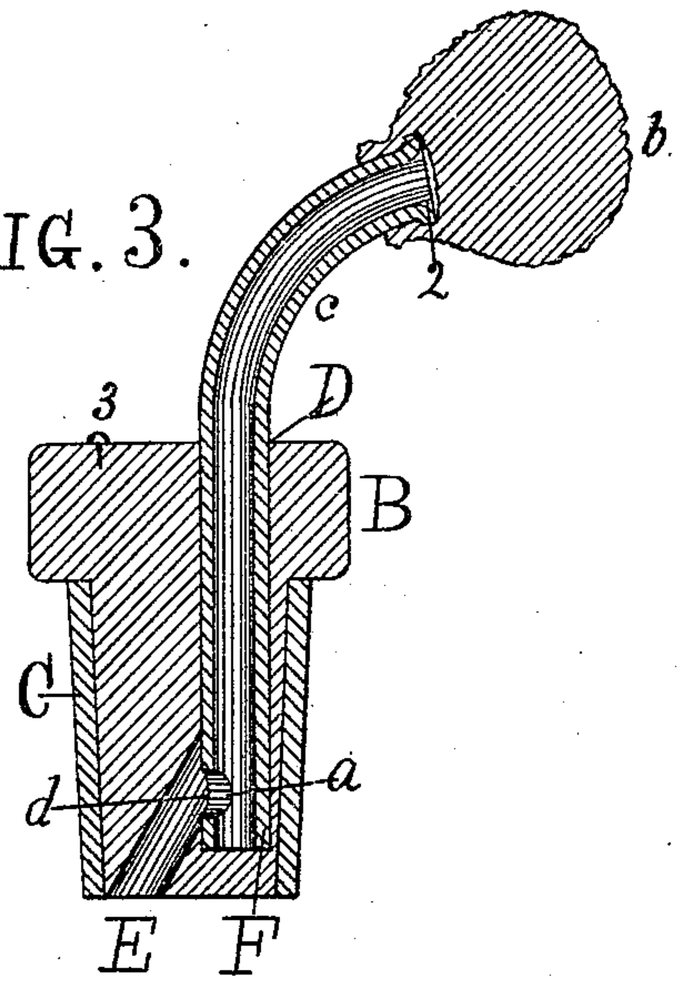

FIG. 3.

WITNESSES.

L. S. Savage

H. F. Morton

INVENTOR.

George E. Meeker

By

N. W. Crandall

Atty.

UNITED STATES PATENT OFFICE.

GEORGE E. MEEKER, OF MERIDEN, CONNECTICUT.

SPREADING DEVICE FOR LIQUID BLACKING.

SPECIFICATION forming part of Letters Patent No. 457,826, dated August 18, 1891.

Application filed December 27, 1890. Serial No. 375,951. (No model.)

To all whom it may concern:

Be it known that I, GEORGE E. MEEKER, a citizen of the United States, residing at Meriden, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in a Device for Applying Liquid Blacking; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to improvements in a device for applying liquid blacking; and it consists of a stopper of novel construction, the details of which will be more fully hereinafter set forth, and pointed out in the claim.

In the drawings, Figure 1 is an elevation of a bottle with the stopper applied. Figs. 2 and 3 are detail views in section of the stopper, showing it open and closed, respectively.

A represents an ordinary bottle.

B is the wooden plug or core of the stopper.

C is a rubber band encircling the same.

D is a hole or recess extending from the top downward.

E is a diagonal hole or recess extending from the bottom upward and intercepting the hole D at *d*.

F is the feed-pipe or valve-stem. A hole or port is made in the tube or valve-stem, as shown at *a*.

2 is a flare or flange formed at the upper end of the tube or pipe to facilitate securing the sponge *b* in position. The upper portion of the tube or pipe is considerably curved or bent, as at *c*.

A designating mark or character is placed on the top of the stopper, as at 3, for the purpose of indicating when the valve is closed or open.

In constructing the device, a wooden core or plug B is turned to the desired shape and size. A rubber band is then fitted and secured to the outside of the plug or core, as shown at C, for the purpose of imparting flexibility to the stopper, to insure its fitting the bottle-neck perfectly. A longitudinal hole or recess is then formed in the core of the stopper, extending downward nearly through the stopper, as shown at D. A hole or recess E is next formed in the said core, and extending diagonally upward intercepts the hole D above the bottom at *d*. A pipe or tube F is then fitted throughout the entire length of the hole or recess D. The opposite end of said tube extends upwardly, and is considerably curved or bent, as shown at *c*. The pipe F is provided in one side, above its lower end, with a port or opening *a*, located to register with the passage E, as shown at *d* in Fig. 3. A sponge *b* is fitted over the flare or flange 2 of the tube F, for the purpose of retarding the flow and distributing the liquid evenly upon the surface to be blackened. The parts being in position, as shown in Figs. 1 and 2, it is obvious that no liquid can enter the tube or feed-pipe, and in this position bottles provided with this device may be safely shipped. When the pipe or tube is turned to the position shown in Fig. 3, (also denoted in Fig. 1 by dotted lines,) the opening or port *a* in the pipe F registers with the recess E, and a passage is thus formed to the sponge *b*. Now, by using the bottle as a handle, the liquid may be fed and evenly distributed by simply rubbing the sponge upon the surface desired to be blackened.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

In a device for applying liquid blacking, the combination, with a blacking-receptacle, of a stopper consisting of a wooden plug or core, a flexible jacket or band encircling the said core, a hole or recess in the said core projecting from the top downwardly and nearly through the said core, a hole or recess in the said core projecting from the bottom diagonally upward and intercepting the downwardly-projecting hole or recess somewhat above its bottom, a pipe or tube in the downwardly-projecting hole and extending approximately to the bottom thereof, the upwardly and outwardly extending end of the said pipe or tube being considerably bent or

curved, a swab or sponge secured to the outer end of said pipe or tube, and a hole in one side of the said pipe or tube somewhat above its lower end and adapted to register with the upwardly-projecting hole or recess when the said pipe or tube is rotated, all arranged to operate substantially as shown and described, and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE E. MEEKER.

Witnesses:
F. A. STEVENS,
A. L. STEVENS.