

No. 874,359.

PATENTED DEC. 17, 1907.

P. R. GLASS.
LIQUID APPLYING DEVICE.
APPLICATION FILED NOV. 28, 1904.

Fig. 1,

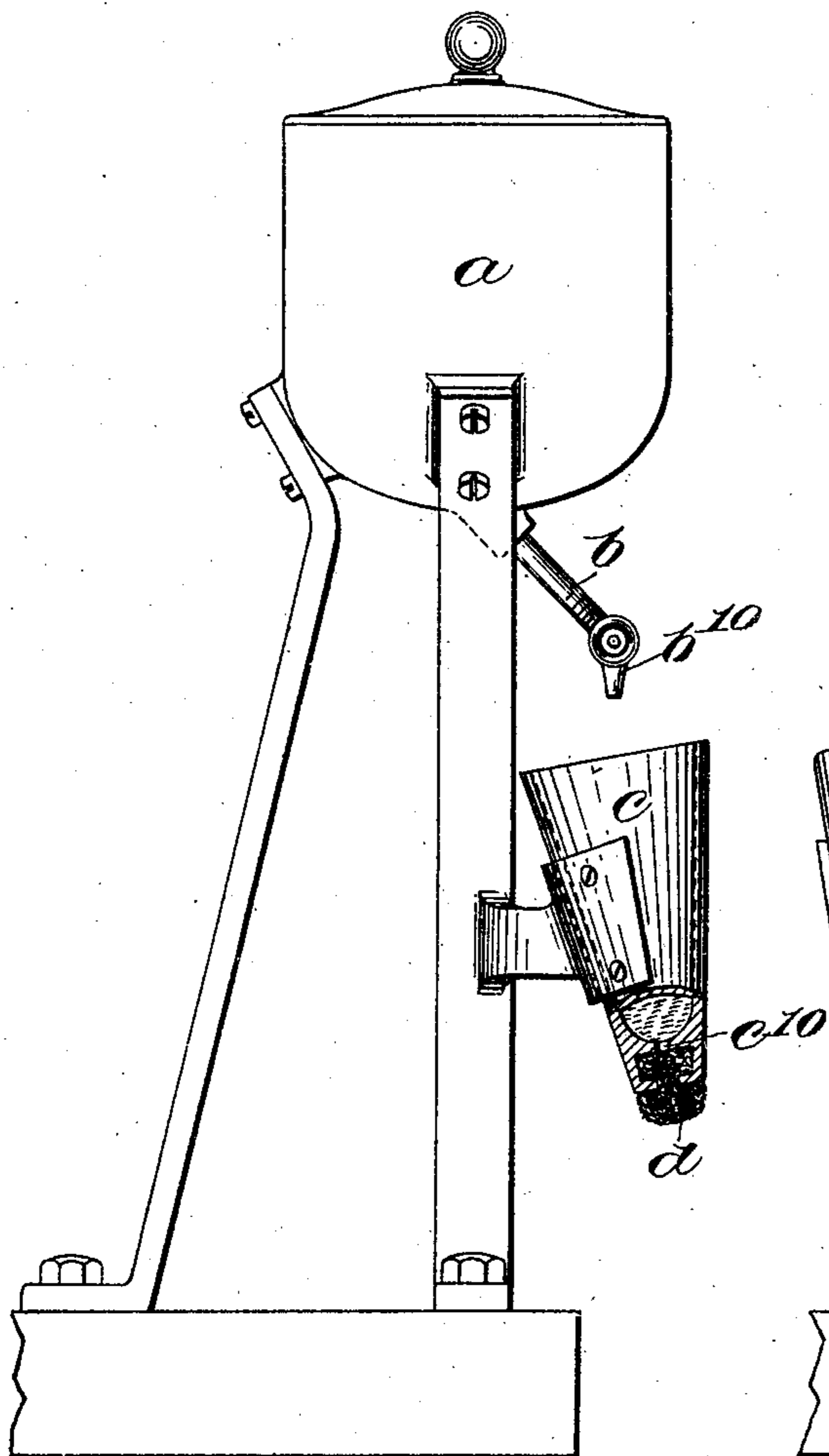
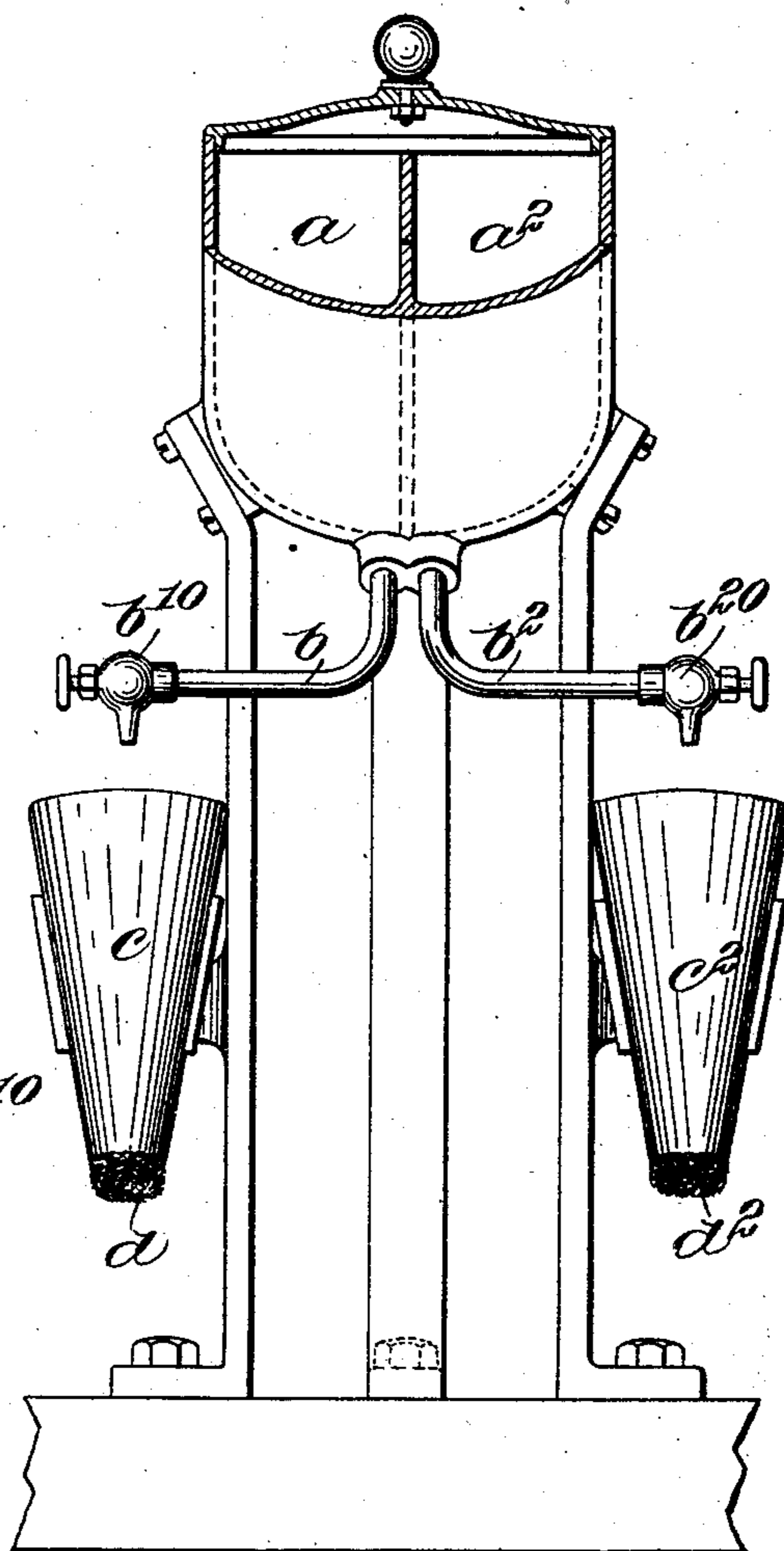


Fig. 2,



Witnesses:
 Jas. J. Maloney.
 Margaret J. Maloney.

Inventor:
 Percy R. Glass,
 by J. P. and H. L. W. Moore,
 Attys.

UNITED STATES PATENT OFFICE.

PERLEY R. GLASS, OF QUINCY, MASSACHUSETTS, ASSIGNOR TO LORENZ MUTHER, OF BOSTON, MASSACHUSETTS.

LIQUID-APPLYING DEVICE.

No. 874,359.

Specification of Letters Patent.

Patented Dec. 17, 1907.

Application filed November 28, 1904. Serial No. 234,588.

To all whom it may concern:

Be it known that I, PERLEY R. GLASS, a citizen of the United States, residing in Quincy, in the county of Norfolk and State of Massachusetts, have invented an Improvement in Liquid-Applying Devices, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

The present invention relates to a liquid applying device, and is mainly intended for use in applying liquid coloring matter to the raw edges of shoe vamps, although the same appliance may, of course, be used to advantage for other purposes.

The purpose of the invention is to maintain a substantially uniform supply of the liquid to be applied, such supply being collected by an absorbent member such as a sponge, which is conveniently located so that the color can be applied by simply passing the article along in contact with the sponge.

In the construction shown, the liquid which is contained in a tank or reservoir is supplied therefrom through a pipe provided with a controlling device, such as a stop cock, to a secondary collecting member which contains the absorbent material from which the coloring matter is directly applied to the article to be colored. There may, if necessary, be two or more reservoirs to contain inks or pigments of different colors, it being desirable, in connection with coloring shoe vamps, to have at least two such reservoirs.

Figure 1 is a side elevation, partly in section, of a device embodying the invention; and Fig. 2 is a front elevation, also partly in section, of the same.

In the construction shown, the device is provided with two reservoirs a and a^2 to contain different colored inks, so that the same appliance can be used for work, for example, on black shoes as well as on tan shoes. The said reservoirs are provided, respectively, with outlet pipes b and b^2 which are suitably controlled by stop cocks b^{10} and b^{20} , the liquids flowing through said pipes under con-

trol of the stop cocks, and being delivered to the collecting members c and c^2 . These collecting members are herein shown as conical in shape and provided at their lower ends with openings, one of the said openings c^{10} being shown in Fig. 1. The liquid in the collectors passes through the said openings and is absorbed in the applying portions d and d^2 which may be of any suitable absorbent material such, for example, as sponge.

As shown in Fig. 1, the collecting members are preferably inclined somewhat towards the front of the apparatus, so that the members d and d^2 are in a convenient position for the operator, who, in coloring a shoe vamp, for example, merely holds the vamp and draws the edge of the same across one or the other of the members, according to the color which is to be applied. With the aid of the stop cocks b^{10} and b^{20} , the supply of coloring matter can be controlled so that each collector will receive the right amount of coloring matter to keep the members d and d^2 saturated; without, however, allowing any of the coloring matter to pass through and go to waste.

What I claim is:

In a liquid applying device, a main reservoir mounted on a standard, and having an outlet pipe from the bottom inclined with relation to the standard, and provided with a stop-cock; a conical collector open at the top and supported on the standard below the outlet pipe, the lower end of said collector being inclined outward and provided with a small outlet and a chamber below said outlet, and an applying portion of absorbent material partly contained in said chamber, and partly outside of the lower end of the collector, substantially as and for the purpose described.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

PERLEY R. GLASS.

Witnesses:

MARGARET E. COVENEY,
HENRY J. LIVERMORE.