Oct. 13, 1931. E. VILLAIN 1,827,549

MANUFACTURE OF TRANSPARENT SOAP TABLETS CONTAINING ADVERTISEMENTS

Filed Jan. 31, 1930

Fig. 1.

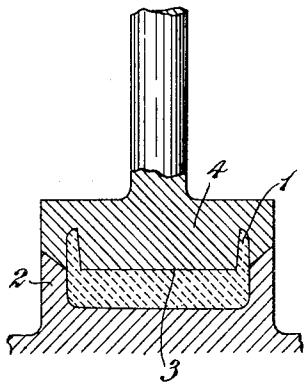
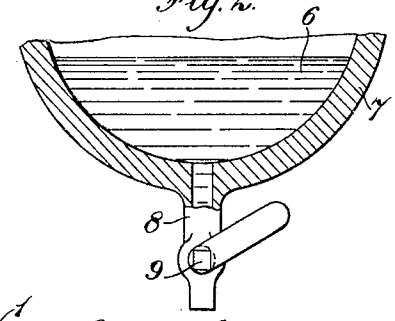


Fig. 2.



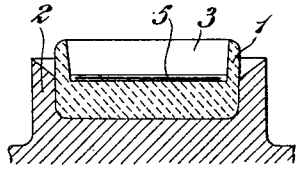


Fig. 3.

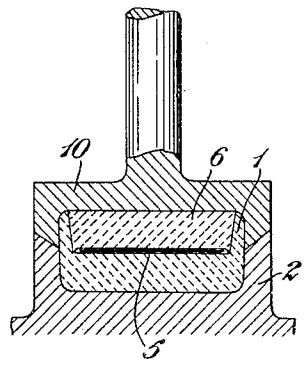


Fig. 4.

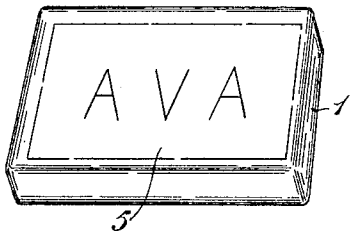


Fig. 5.

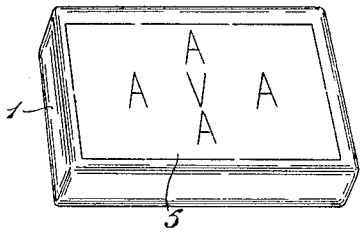


Fig. 6.

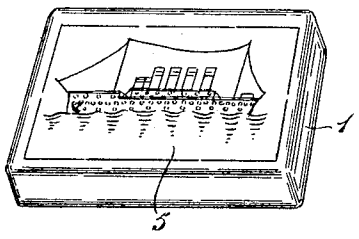
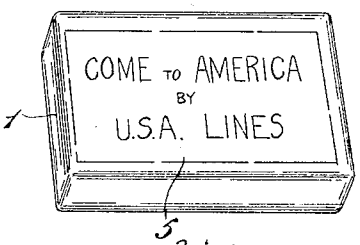


Fig. 7.



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UNITED STATES PATENT OFFICE

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MANUFACTURE OF TRANSPARENT SOAP TABLETS CONTAINING ADVERTISEMENTS

Application filed January 31, 1930, Serial No. 424,771, and in Great Britain January 15, 1930.

This invention relates to the manufacture of transparent soap in bar or tablet form (hereinafter called tablets) containing embedded at the middle thereof a piece of paper, metal, cardboard or the like bearing on one or both sides thereof any desired word, name or picture such as a trade mark or advertisement for example (hereinafter referred to as advertisements).

According to the presentation, the advertisement is enveloped in a transparent envelop of very thin sheet of cellulose sulphate, a basic tablet of transparent soap is made with a depression in the top face extending to the medial plane thereof, the envelope advertisement is laid on the bottom of the depression, then, after warming up the basic tablet to soften it, the depression is filled up with molten transparent soap of the same kind as the basic tablet, and finally the whole is compressed by means of the soap press to form the complete tablet.

The transparent envelope of very thin sheet cellulose sulphate is for the purpose of protecting the advertisement from the action of the ingredients of the soap.

The depression may be formed in the top surface of a complete tablet by means of a correspondingly shaped die and means may be provided to enable a number of basic tablets to be formed simultaneously, the depressions to be simultaneously filled up with molten soap after the advertisements are laid therein, and the complete tablets to be simultaneously formed by a corresponding number of soap presses.

The process according to the invention is illustrated by way of example by the accompanying drawings of which,

Fig. 1 is a cross-section of a mold with a basic tablet therein, and a die thereon in the act of forming the depression.

Fig. 2 shows in cross-section the mould with the basic tablet therein, after the enveloped advertisement has been laid in the depression, and a reservoir above containing the molten soap for filling up the depressions.

Fig. 3 shows in cross-section the filled up tablets being compressed in a soap press.

Figs. 4 and 5 show, in perspective, top and bottom views of one finished tablet of transparent soap, in which the embedded envelope of cellulose sulphate containing advertisement AVA is visible on the top of the tablet; and on the bottom of the tablet there is visible, in the same envelope, the same name AVA, so arranged as to be read in four different directions.

Figs. 6 and 7 show, in perspective, two tablets of transparent soap, each containing one advertisement different from the other, and each embedded in an envelope of cellulose sulphate.

In the example shown in the drawings, a basic tablet of transparent soap, lying in a mould 2, has a depression 3 formed in the top surface by means of a correspondingly shaped die 4 (Fig. 1) and extending to the medial plane of the basic tablet. The advertisement 5 contained in an envelope of cellulose sulphate is then laid on the bottom of the depression 3. After warming up the basic tablet to soften it, the depression 3 is filled up with molten transparent soap 6 of the same kind as the basic tablet from a reservoir 7 through a pipe 8 which can be opened and closed by a tap 9. Finally the whole is compressed by means of the soap press 10 (Fig. 3) to form the complete tablet which may have the appearance of the tablets shown in Figs. 4 to 7. A number of moulds such as 2, a number of dies such as 4, presses such as 10 and pipes in the reservoir, such as 8, may be provided and so arranged as to enable a number of basic tablets to be formed simultaneously, the depressions to be filled up simultaneously with molten soap, and the complete tablets to be simultaneously formed by the soap presses.

I claim:—

A process for making a transparent soap tablet with an advertisement embedded therein, comprising enveloping said advertisement in a transparent envelope of very thin sheet cellulose sulphate forming a basic tablet of transparent soap with a depression in the top face extending to the medial plane of said basic tablet, laying the enveloped advertisement in the bottom of said depression, warming up said basic tablet to soften it, filling up said depression with molten transparent soap of the same kind as the transparent soap constituting said basic tablet, and finally compressing the whole by means of the soap press to form the complete tablet.

ENA VILLAIN.