G. J. RECORD.

POURING LIP FOR RECEPTACLES.

APPLICATION FILED NOV. 27, 1914.

1,165,285. Patented Dec. 21, 1915.

Fig. 1.

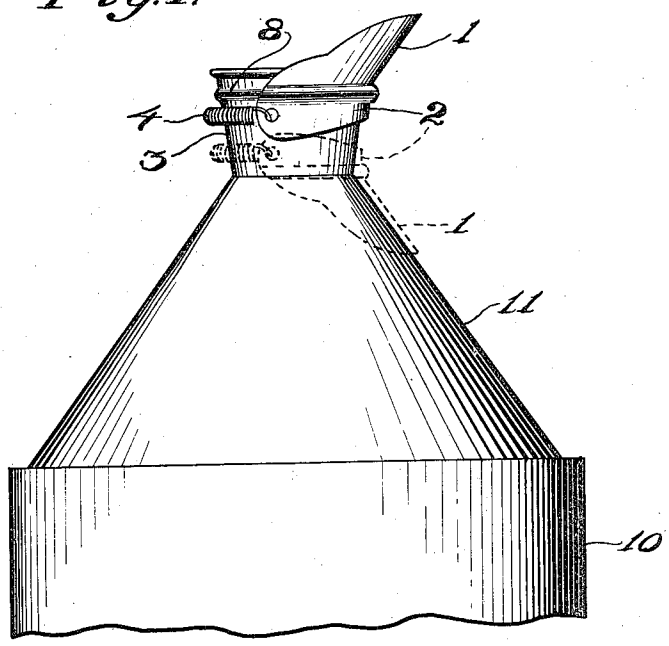
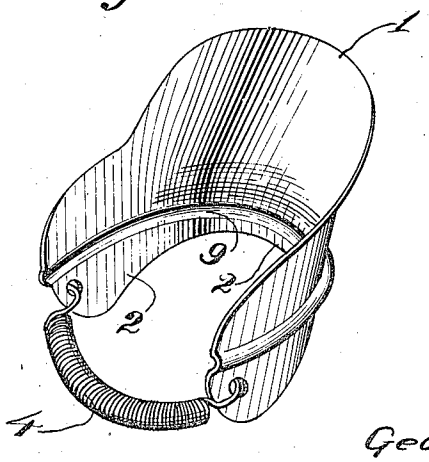


Fig. 2.



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GEORGE J. RECORD, OF CONNEAUT, OHIO.

POURING-LIP FOR RECEPTACLES.

1,165,285. Specification of Letters Patent. Patented Dec. 21, 1915.

Application filed November 27, 1914. Serial No. 874,233.

To all whom it may concern:

Be it known that I, GEORGE J. RECORD, a citizen of the United States, residing at Conneaut, in the county of Ashtabula and State of Ohio, have invented certain new and useful Improvements in Pouring-Lips for Receptacles, of which the following is a specification.

This invention relates to lips or spouts for pouring liquid or other flowing material from cans and other receptacles, such spouts being movable out of the way during shipment or on other occasions, when not used to pour the liquid; and my chief objects therein are to guard against leakage, to facilitate the movement of the lip into operative and inoperative position and to secure compactness in construction and convenience in use.

To these ends my invention consists in the construction and combination of parts hereinafter more particularly set forth and claimed, and especially in the combination of a pouring lip held to a neck, can-nozzle or other equivalent approximately cylindrical part of a cone-top can or similar conoidal receptacle by a spring passing around said part, said lip being adapted to be reversed and fit snugly on the conoidal can-top, being held in either position removably by the said spring.

In the accompanying drawing: Figure 1 represents a side elevation of the upper part of a conoidal can provided with a pouring lip embodying my invention, the said lip, as shown in full lines, being in position to pour, but being shown in dotted lines in reversed position; Fig. 2 represents an enlarged detail perspective view of the pouring lip.

The pouring lip 1 is preferably of sheet metal, shaped at its inner end into an integral half collar 2, which is constructed to fit the neck of or nozzle 3 of the can or other receptacle, being held thereto by a spring 4 passing around said neck or nozzle. The said lip is movable up and down on said neck or nozzle, also circumferentially around the same. When it is to be used for pouring, this lip is in the position shown in full lines in Fig. 1; when not needed for such use it is readily reversed and caused to fit smoothly on the conoidal top of the can so as to cause no obstruction in packing, the angle of said lip having been pre-calculated according to the angle of said cone top. The spring 4 connected to the ends of half collar 2 yields to facilitate the above movements of the pouring lip and automatically tightens it in each position to which it is moved.

The neck or nozzle 3 is provided with an annular external bead 8, preferably formed, as shown, by the internal groove commonly used in fastening a spring seal or cap having projections to engage therewith; as shown for example in my reissued Patent No. 11,382, dated November 7th, 1893. The half collar base 2 of pouring lip 1 is provided with a groove 9 adapted to fit on said bead and cover the top thereof, guarding against direct downward flow of liquid between these parts; and the spring 4 draws on the ends of said collar, thereby tightening said groove and bead in such engagement, preventing all leakage. Of course the bead may be made on the inner side of the half collar of the lip and the corresponding groove in the exterior of the neck or nozzle without departing from the general scope of my invention, it being a matter of indifference whether the bead or groove be in the lip so far as the operation of these parts is concerned. But the exact construction shown has practically a decided advantage in enabling the sealing groove of the neck or nozzle to do double duty, for its inner or grooved face may be used to engage a sealing disk at will, while its outer or bead face engages the groove of the pouring lip. Thus there is no need to make another groove in said nozzle or neck.

Of course the bead and groove are not essential to normal operation, the reversibility of the pouring lip or any of the movements stated, and the reversible lip will fit equally well on the cone top without said bead and groove. They are merely convenient supplemental features improving the device for its normal function of pouring without leakage or drip.

The groove 9 may readily be stamped in the sheet metal blank of the pouring lip 1 by the same act and die which cut out the said blank, or subsequently by means of another die which shapes said blank into the complete pouring lip.

Of course the form of the pouring lip may vary widely according to convenience and it is not confined to metal or any particular material; also the receptacle may vary in material, in kind and in form.

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

1. In combination with a liquid receptacle having a cylindrical part and a conoidal part below the same, a pouring lip provided with a half collar adapted to fit on said cylindrical part and elastic means connecting the ends of said collar and adapted to draw them toward each other, thereby tightening the collar and holding the lip on said part, but permitting the removal and reversal of said lip, the latter being formed to fit on said conoidal part when in such reversed position.

2. In combination with a liquid receptacle having a conoidal top and a tubular part above the same provided with an annular external bead, a reversible pouring lip, adapted to fit on said conoidal top in its reversed position and provided with a groove fitting on said bead in the pouring position of said lip and with elastic means of attachment holding said lip removable in either its normal or its reversed position, also permitting the said lip to be turned on said part without separating said groove and bead.

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

GEORGE J. RECORD.

Witnesses:
M. R. SMITH,
RUTH DORMAN.