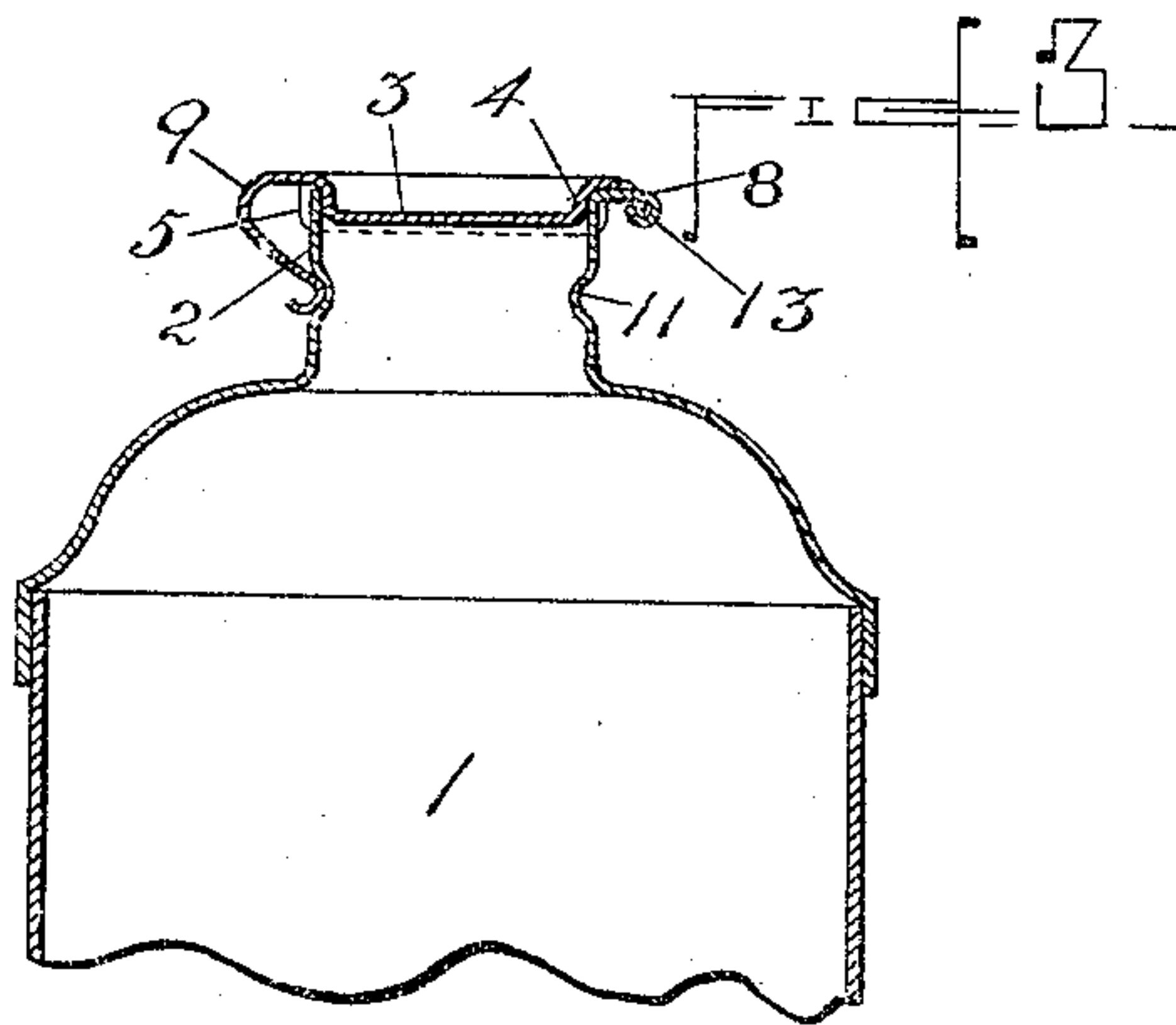
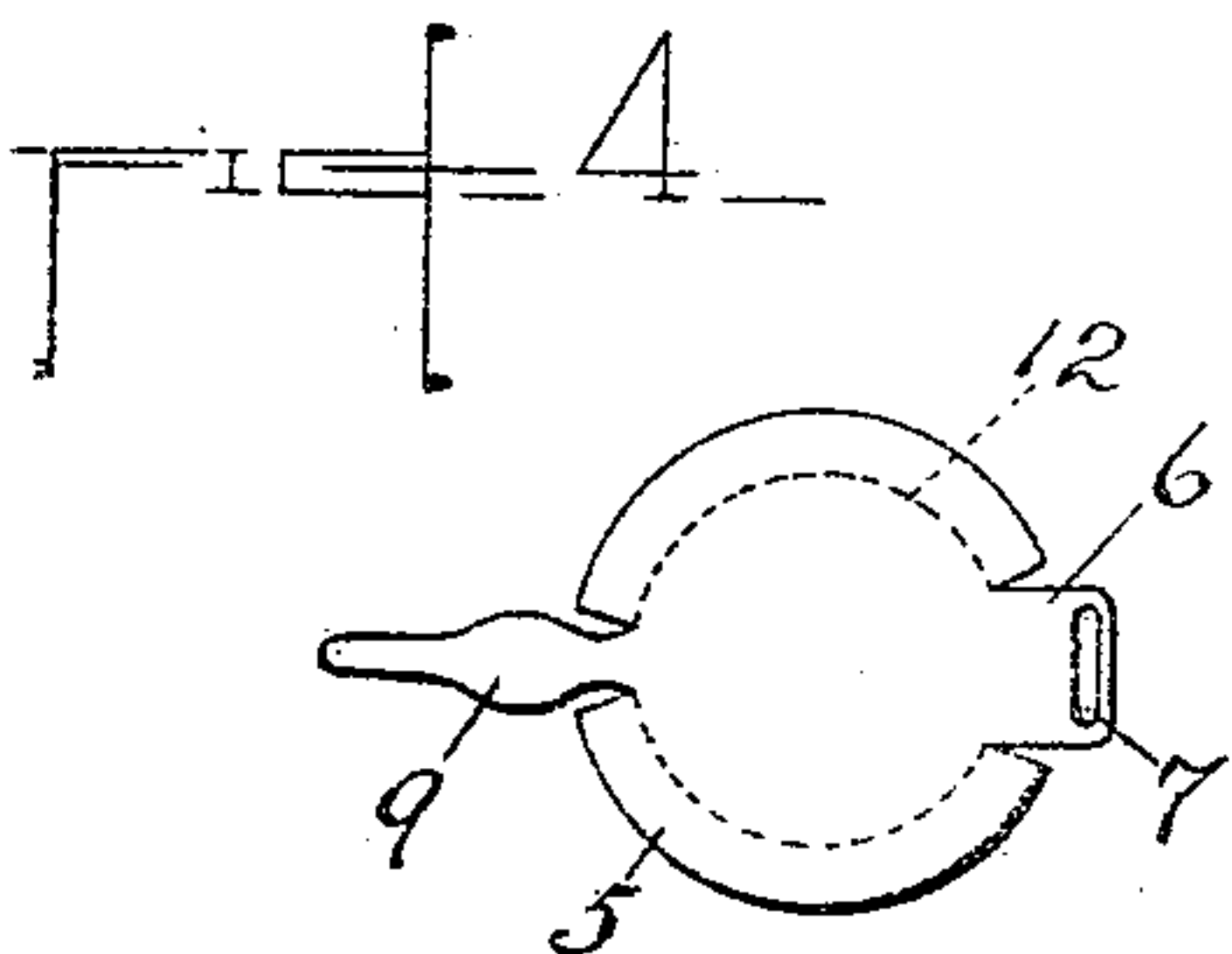
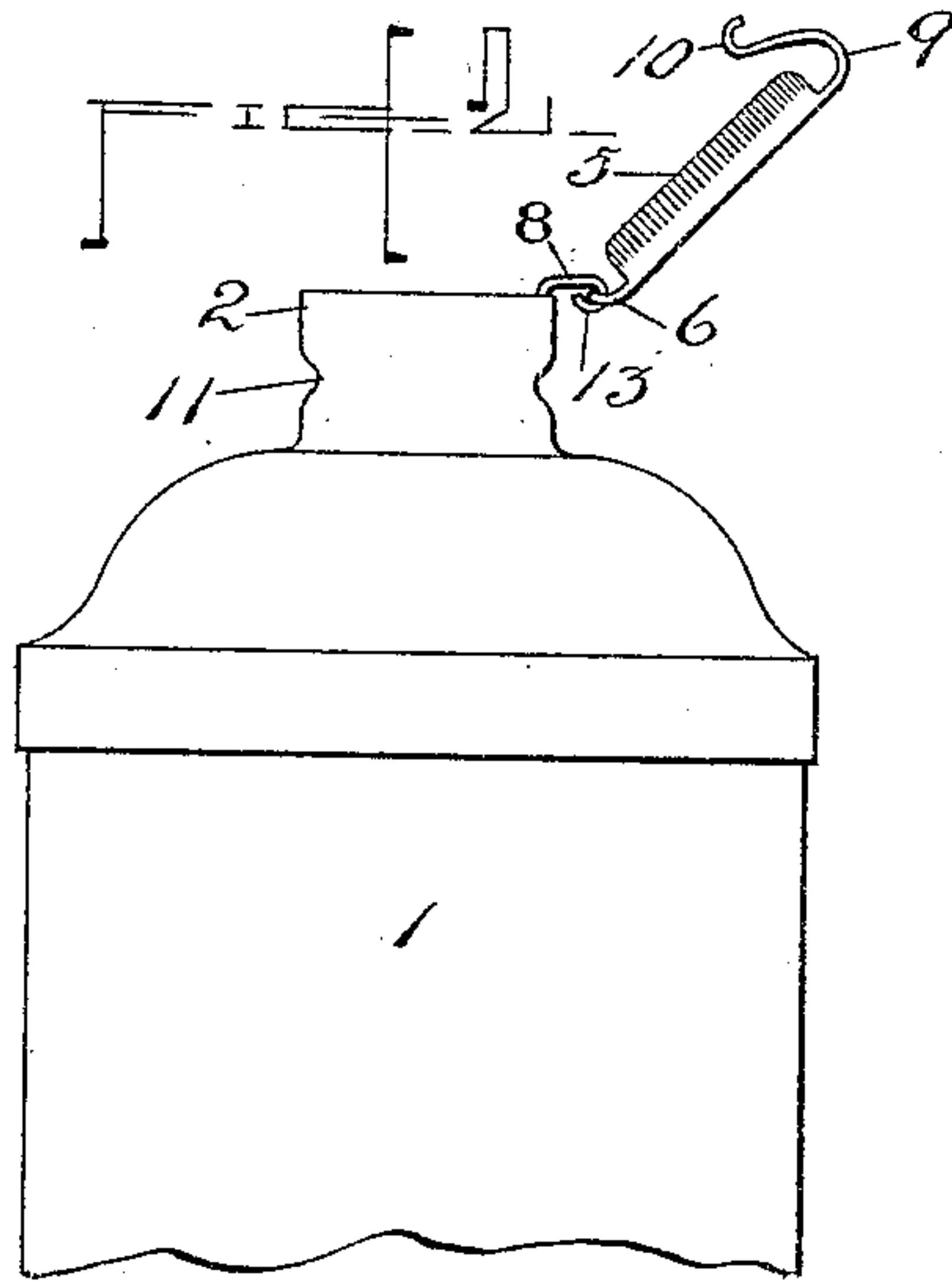
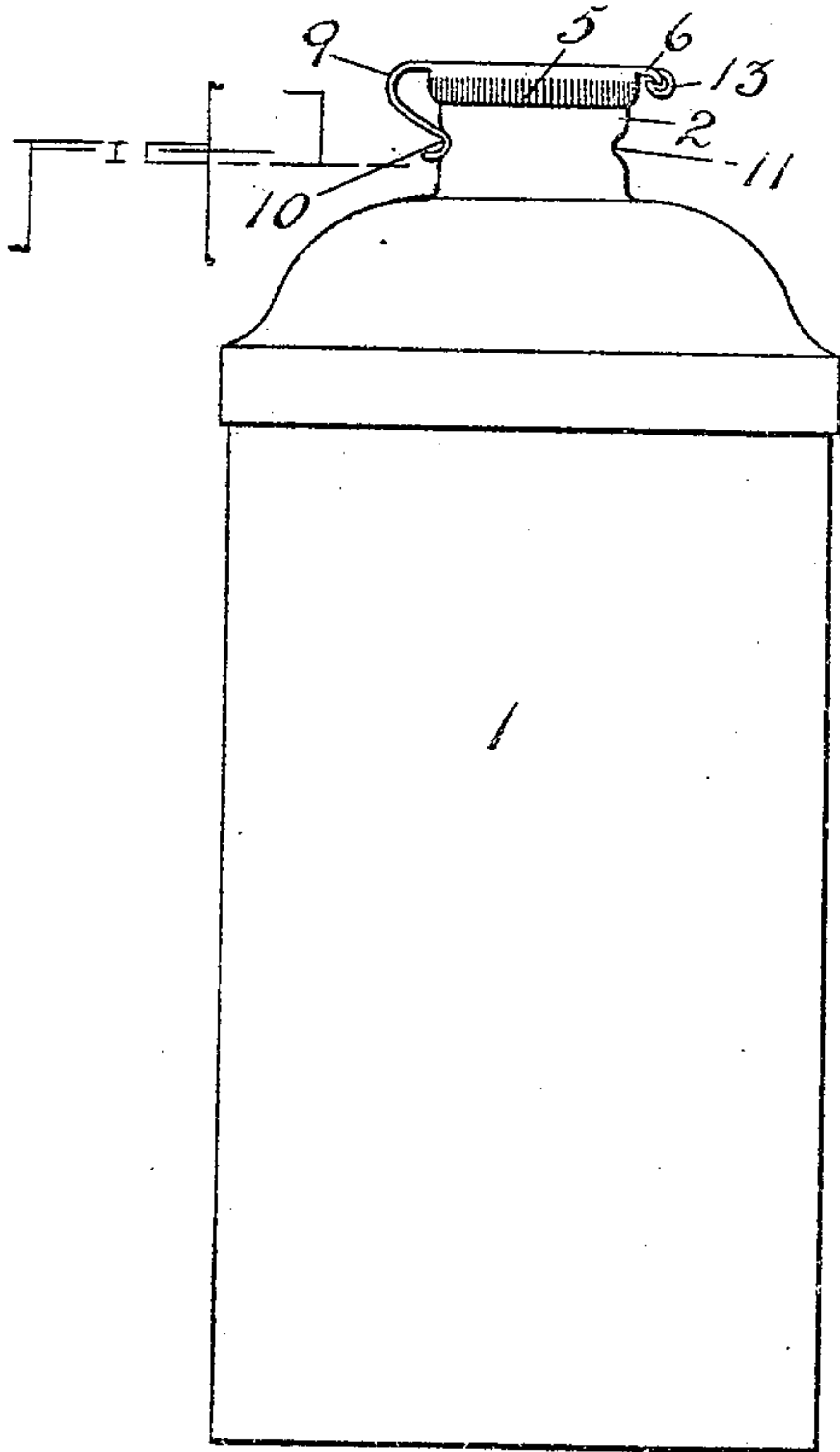


No. 873,752.

PATENTED DEC. 17, 1907.

W. F. HYATT.
CLOSURE FOR CANS AND OTHER RECEPTACLES.
APPLICATION FILED FEB. 20, 1904.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM F. HYATT, OF BROOKLYN, NEW YORK.

CLOSURE FOR CANS AND OTHER RECEPTACLES.

No. 873,752.

Specification of Letters Patent.

Patented Dec. 17, 1907.

Application filed February 20, 1904. Serial No. 194,602.

To all whom it may concern:

Be it known that I WILLIAM F. HYATT, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Closures for Cans and other Receptacles, of which the following is a specification.

My invention relates to tops or closures for cans or receptacles made of sheet metal.

The object of the invention is to provide a closure which can be cheaply constructed, will securely close the mouth of the receptacle and which shall be also capable of being readily opened by the pressure of the thumb or finger of the hand in which the receptacle is held.

My invention is especially useful for cans or receptacles holding tooth powder or other preparation or compositions in powdered form, although it may be obviously employed for cans or receptacles holding other materials.

My invention consists in a novel construction of hinge for the sheet metal closure or cover, and comprises substantially an ear or extension integral with the cover, interlocking with an ear or extension integral with the mouth or collar forming the outlet of the can, the interlocking being in such manner as to allow the one part to swing freely on the other after the manner of a hinge.

My invention consists also in the details of construction and combination of parts hereinafter more particularly described and then specified in the claims.

In the accompanying drawings Figure 1 is a side elevation of a can having a cover constructed in accordance with my invention and with said cover shown closed; Fig. 2 shows the upper portion of the can with the cover open; Fig. 3 is a vertical central section of the upper portion of the can on the central line of the ears which form respectively the catch and the means for hinging the cover; Fig. 4 is a plan of the sheet metal blank from which the cover may be struck up or formed.

1, is the body of the can of any suitable material, and 2 is the mouth or opening of the same.

3, indicates the cover formed as shown with a depression whereby at or near its edges as at 4, it may fit into the inside of the mouth 2 and securely close the same after the manner of a stopper. Said cover has

also the annular depending skirt or flange 5 which comes down over the outside of the mouth to close the same like an ordinary lid or cap of sheet metal and to form likewise a finish.

Extending from one edge of the cover and integral therewith is a spring catch consisting of an ear or tongue having a suitable shoulder or bend as at 10 which will lock on a shoulder or offset at the outside of the mouth or neck, and which shoulder or offset may be provided by the spun annular depression 11 which is spun in the sheet metal neck or mouth. The bend or shoulder at 9 on said tongue or catch adapts the same to be more readily engaged by the thumb or finger when it is desired to lift the cover. As will be seen, the shoulder 9 is located at the upper end of the tongue well above the shoulder or offset made by the annular depression 11 so that upward pressure of the thumb or finger on the shoulder 9 will tend to swing the shoulder 10 away from locking position, thus facilitating the operation of opening the can. To hinge the cover to the mouth or opening I provide the same as at 6, with a second ear or extension diametrically opposite the catch and integral with the metal of the cover itself. Extending from the edge of the sheet metal neck or mouth 2, is an ear or projection, also integral with the metal of the mouth, and which is interlocked with the projection 6, in any suitable manner by forming a slot in one of said ears, as for instance, in the ear 6, as at the point 7, (see Fig. 4) of suitable size to receive the other ear or projection 8, the end of which may be locked in the slot by bending it around as shown at 13. In forming the cover, suitably shaped dies, cutting and forming, may be used, a forming die being employed to produce the depression in the cover so that it shall constitute the stopper, the upper margin or edge of which depression would be as indicated on the blank, Fig. 4, substantially coincident with the dotted line 12, while the remaining annular portion of the blank outside the dotted line 12, excepting for such portions as may form the base or root of the ears or tongues, would form the annular skirt fitting over the edge of the mouth 2 and down the outside thereof.

What I claim as my invention is:

1. In a sheet metal receptacle having a sheet metal mouth, the combination with the sheet metal mouth thereof, of a sheet

metal cover having a slotted ear projecting therefrom and an ear or projection extending from and integral with the edge of the mouth and bent around through the slot in the projection on the cover, as and for the purpose described.

2. In a sheet metal receptacle, the combination of a sheet metal mouth or neck having an annular depression spun in it and provided with an ear or projection extending from the edge of the sheet metal mouth and integral with the metal of the mouth, and a cover having a depressed center provided with diametrically opposite ears or projec-

tions integral therewith, one of said ears having a slot with which the projection from the edge of the mouth is interlocked and the other extension from said cover being formed to lock in the annular depression spun in the sheet metal of the receptacle.

Signed at Brooklyn in the county of Kings and State of New York this 2d day of Feb. A. D. 1904.

WM. F. HYATT.

Witnesses:

C. F. TISCHNER, Jr.,
E. L. LAWLER.