To all whom it may concern:

Be it known that I, CARL GOTFREDSEN, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented and useful Improvements in Can Openers and Dispensers, of which the following is a specification.

This invention is a combined can opening and dispensing device, and has for its object the provision of a receptacle adapted to receive a can to be opened, the lid of said receptacle forming means for puncturing a can and also forming a discharge spout through which the contents of the can may be poured.

More particularly it is the object of the invention to provide a construction of this character having improved means for forcing the can puncturing means through the top thereof and then retaining the lid of the receptacle in closed position.

It is a still further object of the invention to provide improved means for forcing an air vent in the can at the same time that the discharge spout is adapted to puncture the top of the can.

The invention will be readily understood from the following description of the accompanying drawings, in which

Figure 1 is a longitudinal section through a device constructed in accordance with the invention.

Fig. 2 is a top plan view of the same.

The invention is particularly applicable to the dispensing of the contents of cans of condensed milk, such a can being shown at 1.

A receptacle adapted to receive the can 1 is shown at 2, the lid for said receptacle being shown at 3. A strip 4 extends across the top of the lid 3 and beyond one edge thereof to form the hinge connection 5 with the receptacle 2. A discharge spout adapted to puncture the top of can 1 is supported by strip 4 and extends through the lid 3. The portion 6 of this spout which extends above strip 4 is, preferably, inclined at a suitable angle for pouring the contents of can 1 and may be provided with a hinged lid 7 adapted to close by gravity when the receptacle is in upright non-pouring position, and also adapted to swing open by gravity when the receptacle is tilted for pouring the contents of the can.

The portion 8 of the discharge spout depending below the lid 3 is, preferably, ar ranged at such an angle as to puncture the top of can 1 substantially perpendicular thereto as lid 3 is swung downwardly upon its pivot 5. The lower edge of this portion of the discharge spout is, preferably, inclined with relation to the sides of the spout, as clearly shown at 9, in order to provide a comparatively sharp cutting edge 10 at the side of the discharge spout toward the pivot 5 of lid 3 for causing the initial puncturing of the can.

An air vent is supported by strip 4 and extends through lid 3 so as to puncture the can 1 subsequent to the puncturing of the can by the discharge spout. As an instance of this arrangement the air vent is shown positioned upon strip 4 at the end thereof away from pivot 5 and beyond the discharge spout, said vent comprising a tube supported by strip 4 and extending through lid 3. The outer portion 12 of this tube is, preferably, bent downwardly against the strip 4, and the portion 13 of said tube depending from lid 3 is, preferably, disposed so as to puncture the top of can 1 at substantially right angles thereto. The lower edge 14 of the air vent tube is also, preferably, inclined so as to form a cutting edge 15 at the side thereof toward hinge 5. By this arrangement said cutting edge will provide the initial puncturing of the can top as lid 3 is swung downwardly upon its pivot.

The means employed for swinging lid 3 upon its pivot may consist of a link 17 formed as a wire loop extending through a bearing 18 at the swinging end of strip 4 and also passing through an aperture 19 provided intermediate of the ends of a lever 20 having the handle 21 at its outer end and arranged for pivotal engagement with the receptacle 2 at its inner end. The pivotal engagement provided between lever 20 and the receptacle 2 may consist of a downwardly extending hook 22 upon the receptacle 2 which is adapted to be engaged by a lip 23 projecting beyond the end 24 of the lever.

The operation of the device will be readily understood by reference to Fig. 1. The can 1 having been placed in receptacle 2, the lid 105 is swung downwardly by depressing the handle 21 of lever 20. During the downward swing of the lever the end 24 thereof will bear against hook 22, and when the lever has been swung to the position indicated in dotted lines in Fig. 1, the top of can 1 will have been punctured by the dis-
charge spout and the air vent, and the lever will then be positioned with its lip 23 engaged by the hook 22. Upward swinging movement of lid 3 is thus prevented until the lever is again swung outwardly. It will be understood that when the lid 3 is thus swung downwardly the discharge spout and the air vent will each puncture the top of the can so that the contents thereof may be subsequently poured through the discharge spout, the necessary air being admitted to the can through the air vent.

Various changes may be made without departing from the spirit of the invention as claimed.

What is claimed is:
1. The combination with a receptacle for a can, of a closure lid arranged to overlie said can and having a reinforcing strip diametrically across said lid and one end pivoted to said receptacle, a discharge spout and air vent carried by the lid and supported by said strip and arranged to puncture said can, the other end of said strip having a pivotal link connection with a lever, said lever having one end adapted to engage an outwardly extending lug fastened to said receptacle so that the lever can draw said lid downwardly against the can and retain the same in position.
2. A can opener and dispenser comprising a receptacle adapted to receive a can, a closure lid hinged to the receptacle, a piercing members carried by the lid, a link connected to the opposite side of the closure lid from the hinge, a lever connected to the link, and a lug upon the opposite side of the receptacle from the hinge and adapted to be engaged by the lever, so that when the lever is pulled downwardly it passes the center of the fulcrum and is held in its downward position.
3. A can retaining receptacle, having a closure lid pivoted to said receptacle, a discharge spout mounted in said lid and adapted to puncture the same, a lever having a pivoted link connection with said lid, a lug fastened to said can and adapted to engage the end of said lever as a fulcrum so that the lid may be drawn downwardly against the can by said lever.

In testimony whereof I have signed my name to this specification.

CARL GOTFREDSEN.