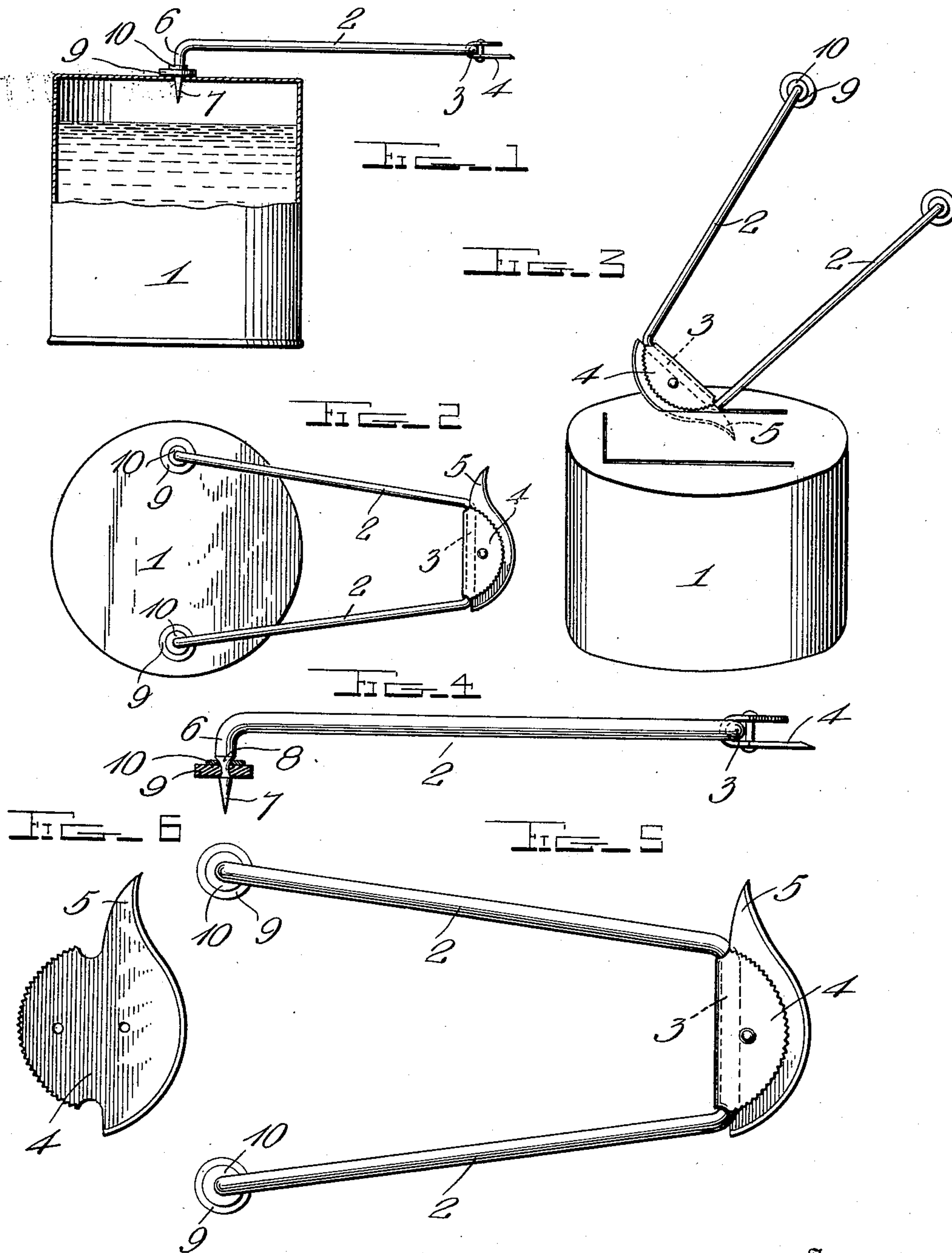


E. D. WATERBURY.
CAN SEALING DEVICE.
APPLICATION FILED OCT. 31, 1910.

999,612.

Patented Aug. 1, 1911.



Witnesses

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UNITED STATES PATENT OFFICE.

EMERY D. WATERBURY, OF SAWTELLE, CALIFORNIA, ASSIGNOR OF ONE-HALF TO
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CAN-SEALING DEVICE.

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REISSUED

To all whom it may concern:

Be it known that I, EMERY D. WATERBURY, a citizen of the United States, residing at Sawtelle, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in Can-Sealing Devices; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention is a device for sealing cans containing condensed milk and the object of the invention is to provide a simple device by which the contents of the can will be protected against the deteriorating action of the air, but may be readily poured from the can when it is desired to use the same.

A further object of the invention is to provide such a device which may be readily manipulated by any person and which may be constructed at a slight cost.

These stated objects and such other incidental objects as will hereinafter appear, are obtained by the use of the device illustrated in the accompanying drawings and the invention consists in certain novel features of the same which will be hereinafter first fully described and then more particularly pointed out in the appended claim.

In the accompanying drawings:—Figure 1 is a sectional elevation showing my device applied to a can; Fig. 2 is a plan view of the same; Fig. 3 is a perspective view showing the manner of using the can opener; Fig. 4 is a detail perspective view showing the construction of the end of the tool; Fig. 5 is an enlarged plan view of the tool; and Fig. 6 is a detail view of the blank from which the can opener is formed.

The can 1 is of the usual or any preferred construction and is hermetically sealed at its top and bottom in the usual or any desired manner. My improved sealing and opening tool comprises a pair of spring arms 2 which are connected at their outer ends by an integral bar or shoulder 3 forming a substantially U-shaped structure, as clearly shown in the drawings. A metallic plate 4 is folded over and rigidly secured to this connecting bar or shoulder 3 and is provided at one end with a point or blade 5 which may be forced through the top of a can in order to start an incision therein, the convex edge of this plate constituting

a knife which will cut through the top of the can when the tool is rocked as will be readily understood.

The free ends of the spring arms 2 are turned downward, as shown at 6, and the extremities of said downward ends are tapered, as shown at 7, so as to form spurs which may readily pass through the top of a can of condensed milk, as shown in Fig. 1. Just above the tapered portions of these downturned ends, I provide annular grooves or recesses 8 in which are fitted washers 9 and 10, the washer 9 being preferably of rubber or some similar elastic material and the washer 10 being of metal or rigid material and of less diameter than the washer 9. The smaller rigid washer is placed on the end of the tool above the elastic washer which will retain the rigid washer in place inasmuch as the elastic washer will bind snugly around the downturned end 6 within the annular groove or recess 8 and, consequently, prevent the upper washer slipping from the tool.

The use of the device will, it is thought, be readily understood from the foregoing description taken in connection with the accompanying drawings. The ends of the spring arms 2 are spread apart so that the tapered extremities or points thereof will rest upon the can near the extreme edge thereof at diametrically opposite points and sufficient force is then applied to the tool to force the spurs or tapered extremities through the can top and bring the washers into intimate contact with the said top. The resiliency of the arms 2 will cause them to bind firmly within the punctures formed by the tapered extremities so that they will not readily slip from the said punctures and the elastic washers fitting closely over these punctures, being held thereto by the resiliency of the spring arms 2, will effectually prevent the access of air or dirt to the contents of the can. When it is desired to remove some of the contents of the can, a slight lifting force is applied to one of the spring arms so as to remove the same from the puncture in which it is seated and the milk may then be poured through the said puncture as will be readily understood. When it is desired to again seal the contents of the can, the arms are spread sufficiently to cause the free end of the disengaged arm to register with the puncture and

the resiliency of the device will at once carry the said point through the puncture to again seal the can.

My device is obviously simple in its construction and may be manufactured and placed on the market at a slight cost. It will be found highly efficient for the purpose for which it is designed and may be easily manipulated by any unskilled person so that the purity of the milk or other material within the can may be preserved for an indefinite period.

It will be observed that the spring arms extend laterally beyond the can so that they may be easily grasped by the user and may be utilized as a lever against the edge of the can to facilitate the removal of the spur.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the

principle or sacrificing any of the advantages of this invention as defined in the appended claim.

Having thus described my invention, what I claim is:—

A tool for the purpose set forth comprising a pair of divergent resilient arms adapted to extend over the top of a can and project laterally beyond the same and having down-turned tapered ends adapted to pierce and pass through said top, and sealing devices carried by said down-turned ends.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

EMERY D. WATERBURY.

Witnesses:

GEO. W. GILDERSLEEVE,
E. WILLIAMS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
