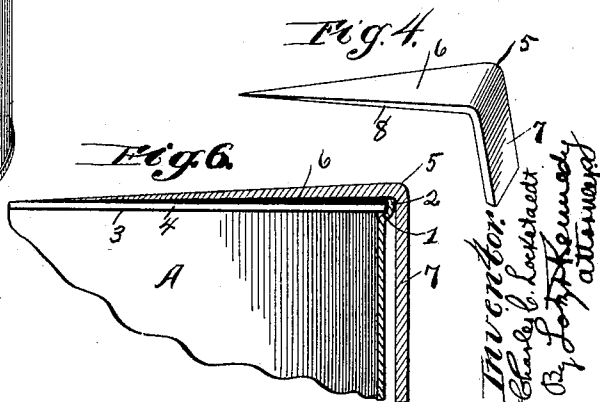
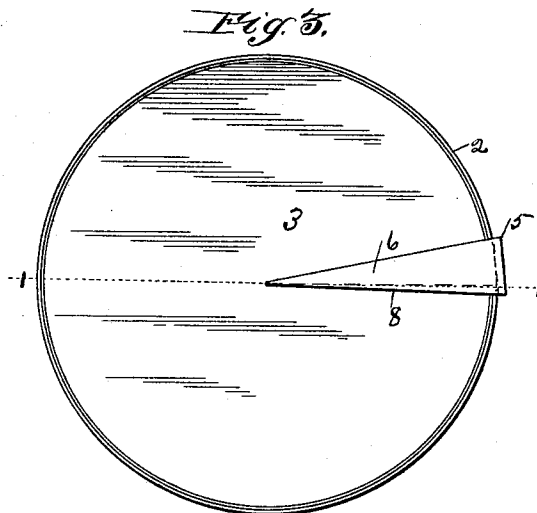
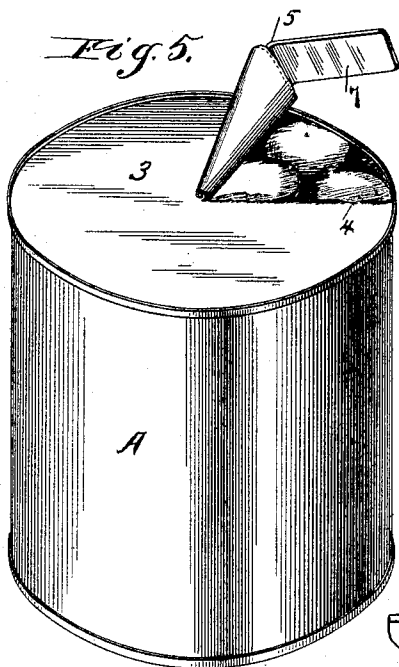
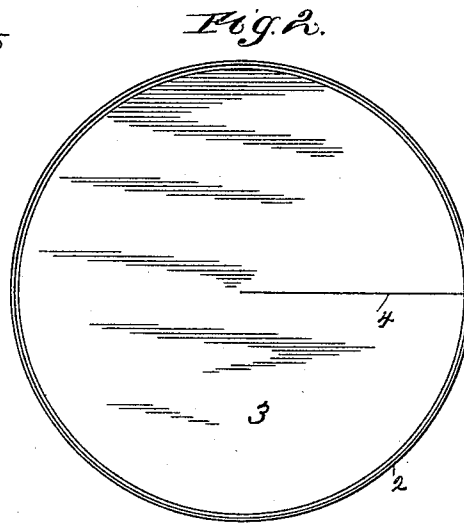
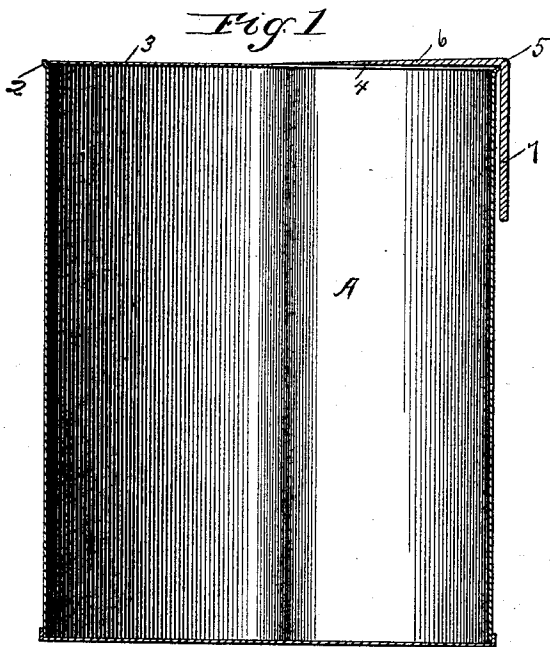


(No Model.)

C. C. LOCKSTAEDT.
CAN.

No. 484,936.

Patented Oct. 25, 1892.



Witnesses:
Rudolph W. Lotz
Otto Luehert

Inventor:
C. C. Lockstaedt
By Lotz & Kennedy
attorneys

UNITED STATES PATENT OFFICE.

CHARLES C. LOCKSTAEDT, OF CHICAGO, ILLINOIS.

CAN.

SPECIFICATION forming part of Letters Patent No. 484,936, dated October 25, 1892.

Application filed March 21, 1892. Serial No. 425,854. (No model.)

To all whom it may concern:

Be it known that I, CHARLES C. LOCKSTAEDT, a subject of the Emperor of Germany, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Cans; and I do hereby 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.

This invention relates to a novel construction in cans, and more particularly to that class of cans in which the cover or some part of the can is secured to the body of the can in such a manner as to be easily removable for the purpose of opening the can, thereby obviating the necessity of cutting out a portion of the can to open the same.

The object of this invention is to accomplish the above-named result in a simple, inexpensive, and efficient manner.

This invention consists in the features of construction and combinations of parts hereinafter fully described and specifically claimed.

Referring to the drawings, Figure 1 is a central vertical sectional view of a can constructed in accordance with my invention and taken on the line 1 1 of Fig. 3. Fig. 2 is a top plan view with the winding-key removed, and Fig. 3 is a top plan view of the winding-key in position. Fig. 4 is a detail perspective view of the winding-key. Fig. 5 is a perspective view of a can constructed in accordance with my invention, illustrating the cover as partly removed by the winding-key. Fig. 6 is a fragmentary sectional view of the upper edge of the can and illustrating the winding-key and adjacent parts on an enlarged scale.

Referring to said drawings, A indicates a can of ordinary construction. At the top thereof the sides of the can are bent outwardly and upwardly, as shown at Fig. 6, thereby providing an upward-facing shoulder 1 and a surrounding upright flange 2 at the upper end of the can. The cover of the can, which is to be removed, consists of a circular piece of tin or disk 3, that fits within the flange 2 and rests upon the upward-facing shoulder 1 and is soldered in this position in a familiar manner. The said cover 3 is, however, provided with a radial slit or cut 4, ex-

tending from its center to its periphery, and a winding-key 5, having a tapered-spindle portion 6, and an angular handle 7 is secured to the cover of said can, and with the said tapered-spindle portion 6 located over the cut 4 of said can, and with the handle portion 7 extending down along the side of the can, as shown in Fig. 1. The said tapered-spindle portion 6 of the winding-key is soldered to the cover of the can to hermetically close the cut 4 on the said cover; but it is so located with relation to said cut, as shown in Fig. 3, that one side of said tapered-spindle portion overlaps but slightly one side of said cut, while the body of said spindle portion 6 is secured to the cover on the other side of cut. In this way it will be seen that the can is hermetically sealed, but that if it is desired to open the same, instead of cutting around the top of the can in the ordinary manner, it is only necessary to take hold of the handle 7 of the winding-key and turn the same to the right, as illustrated in the drawings. This has the effect of breaking the edge 8 from the cover on one side of the cut, while the main portion of the spindle of the winding-key will remain secured to the cover on the other side of the slit or cut. It is then only necessary to continue turning the winding-key by its handle 7, whereupon the cover 3 will be wound upon the spindle portion 6 thereof in the manner illustrated in Fig. 5, so that by continuing to turn it the entire cover will be removed in an obvious manner, it being noted that the soldered connection between the cover and the can will give way under the force applied to the winding-key.

I claim as my invention—

1. A can having a cover secured thereto, a cut or slit in said cover extending from about the center to the periphery thereof, and a winding-key having its spindle portion secured to said cover adjacent to said slit or cut.

2. A can having a cover secured thereto, a radial cut or slit in said cover, and a winding-key having its spindle portion secured to said cover adjacent to said cut or slit.

3. A can having a cover secured thereto, a radial cut or slit in said cover, and a winding-key having its spindle portion secured to said cover and overlapping said slit or cut.

4. A can having a cover secured thereto, a

- cut or slit in said cover extending from about the center to the periphery thereof, and a winding-key having a tapered-spindle portion secured to said cover adjacent to said slit.
- 5 5. A can having a cover secured thereto, a cut or slit in said cover extending from about the center to the periphery thereof, and a winding-key having a spindle portion secured so said cover and overlapping said cut or slit.
- 10 6. A can having a circular cover secured thereto, a radial slit or cut in said cover extending from about its center to its periphery, and a winding-key having a tapered-spindle portion secured to said cover and overlapping said slit.
- 15 7. A can having a cover secured thereto, a cut or slit in said cover extending from about the center to the periphery thereof, a winding-key having a spindle portion secured to said cover adjacent to said cut or slit, and an angular handle located along the side of the can.
- 20 8. A can having a cover secured thereto, a cut or slit extending from about the center to the periphery thereof, and a winding-key having its spindle portion secured to said cover and overlapping said cut or slit, said spindle portion being so located, practically as described, that it extends to a greater extent upon the cover on one side of said slit than on the other side.
- 30 9. A can having an upwardly-facing shoulder and surrounding flange at one end, a cover resting upon said shoulder and secured within said flange, a cut or slit extending from about the center to the periphery of said cover, and a winding-key having its spindle portion secured to said cover adjacent to said cut or slit.
- 35 10. A can having an upwardly-facing shoulder and surrounding flange at one end, a cover resting upon said shoulder and secured within said flange, a cut or slit extending from about the center to the periphery of said cover, and a winding-key having its spindle portion secured to said cover and overlapping said cut or slit.
- 40 11. A can having an upwardly-facing shoulder and surrounding flange at one end, a cover resting upon said shoulder and secured within said flange, a cut or slit extending from about the center to the periphery of said cover, and a winding-key having a tapered-spindle portion secured to said cover and overlapping said cut or slit.
- 50 12. A can having an upwardly-facing shoulder and surrounding flange at one end, a cover resting upon said shoulder and secured within said flange, a cut or slit extending from about the center to the periphery of said cover, and a winding-key having a tapered-spindle portion secured to said cover and overlapping said cut or slit, said tapered-spindle portion being located, practically as described, so that it extends to a greater extent upon the cover on one side of said slit or cut than on the other side thereof.
- 60 13. A can having a cover secured thereto, a cut or slit in said cover extending from about the center to the periphery thereof, and a winding-key having its spindle portion soldered to said cover adjacent to said slit.
- 70 14. A can having a cover secured thereto, a cut or slit in said cover extending from about the center to the periphery thereof, and a winding-key having its spindle portion soldered to said cover and overlapping said cut or slit.
- 75 15. A can having a cover secured thereto, a cut or slit in said cover extending from about the center to the periphery thereof, and a winding-key having a tapered-spindle portion soldered to said cover adjacent to said slit.
- 80 16. A can having a cover secured thereto, a cut or slit in said cover extending from about the center to the periphery thereof, and a winding-key having a tapered-spindle portion soldered to said cover and overlapping said cut or slit.
- 85 17. A can having a cover secured thereto, a cut or slit in said cover extending from about the center to the periphery thereof, and a winding-key having its spindle portion soldered to said cover and overlapping said cut or slit, said spindle portion being located, practically as described, so that it extends to a greater extent upon the cover on one side of said cut or slit than on the other side thereof.
- 90 18. A can having a cover secured thereto, a cut or slit in said cover extending from about the center to the periphery thereof, and a winding-key having a tapered-spindle portion soldered to said cover and overlapping said cut or slit, said tapered-spindle portion being located, practically as described, so that it extends to a greater extent upon the cover on one side of said cut or slit than on the other side thereof.
- 100 105
- In testimony whereof I affix my signature in presence of two witnesses.
- CHARLES C. LOCKSTAEDT.
- Witnesses:
HARRY COBB KENNEDY,
RUDOLPH N. LOTZ.