

A. B. FOANS.
COMBINATION CAN OPENER AND SPOUT.
APPLICATION FILED JUNE 8, 1911.

1,016,135.

Patented Jan. 30, 1912.

Fig. 1.

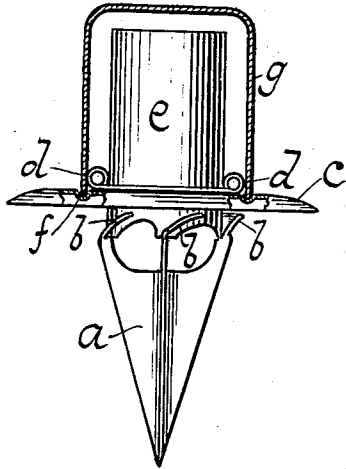


Fig. 2.

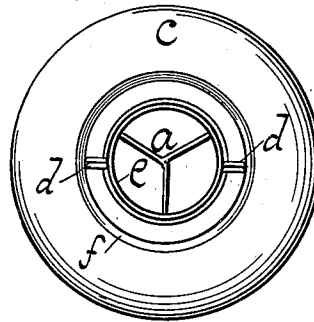


Fig. 3.

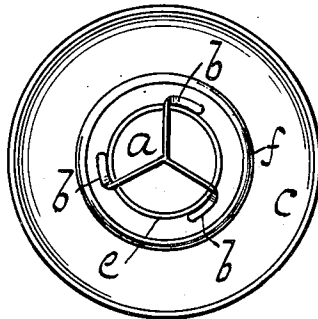
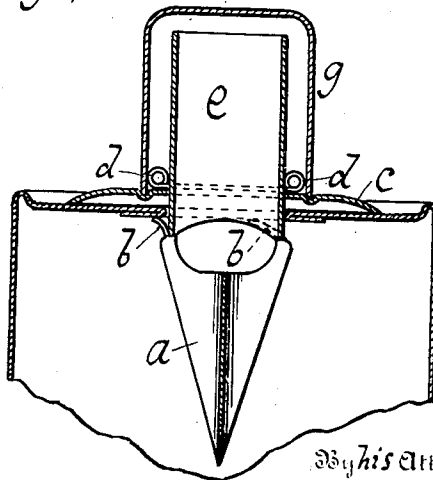


Fig. 4.



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UNITED STATES PATENT OFFICE.

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COMBINATION CAN-OPENER AND SPOUT.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ANDREW B. FOANS, a citizen of the United States, residing in the city and county of New York, State of New York, have invented new and useful Improvements in Combination Can-Openers and Spouts, of which the following is a specification.

This invention relates to a can opener which is combined with a spout for pouring out the contents of a can.

The device is designed to be inserted into the top of a can and it is punched and stamped out of sheet metal to be as inexpensive as possible.

One of the features of the invention is a series of cutters arranged below the spout in the form of a tapered angular frame with an open top to allow the liquid to pass through and out of the spout. The frame has a pointed end and the cutting edges thereof extend upwardly in radial lines from the point in order to pierce the metal in the top of the can and cut a hole of suitable dimensions. There are a series of lugs located at the top of the cutters which are adapted in conjunction with a flange to securely clamp the device in place on the cover. The flange has means such as finger buttons formed of looped wire whereby the device can be turned or partly rotated to clamp the device in combination with the flange to the cover of the can.

The novel features of the invention are more fully described in the following specification and claims and illustrated in the accompanying drawing in which:

Figure 1 represents a side elevation partly in section of a device embodying this invention. Fig. 2 is a plan view of the same showing the cap removed. Fig. 3 is an inverted plan view of Fig. 1. Fig. 4 is a vertical section showing the device inserted in a can top.

In this drawing the letter *a* designates a frame which is provided with a series of cutters preferably triangular shaped, the edge of each cutter being sharp is adapted to pierce the metal. These cutters have a sharp pointed end and flaring top so that when pressure is exerted on the device the pointed end will readily puncture the metal and the flaring top gage the size of the hole. The upper portion of the web of the frame

has openings for the liquid to pass through. At the upper portions of these cutters are located a series of lugs *b* of suitable shape to engage the under surface of the cover of a can. These lugs may be made of springy metal so as to more readily clamp the device to the can. A short distance above the lugs is secured a flange *c* having finger buttons *d* formed of looped wire whereby the device can be manipulated. These finger buttons are located on top of the flange and consist of two semi-circular pieces of wire extending about the spout and having looped ends *e* adapted to be grasped so that the device can be operated. The said semi-circular pieces of wire can be fastened to the flange or to the spout in any convenient way for instance by soldering or clamping.

Fastened to the upper ends of the cutters or forming a continuation of them is a spout *e* and as shown in the drawing the said spout is circular but could be of any well known shape to constitute a discharge orifice for the contents of the can. The flange has an annular groove *f* to serve as a seat for a cap *g*, which is placed over the spout when the can is not in use and prevents any foreign matter from getting into the can. The flange may be dish shaped as shown or could be flat to rest on the can top.

The device is readily applicable to any sealed can and is inserted merely by pressing it into the top of the can until the flange is in contact with the upper surface of the cover, when in this position the device is partly rotated or turned and the lugs flatten out the jagged ends of the opening and engage the under surface of the cover as indicated in Fig. 4 thus clamping the device to the can.

I claim:

1. A device of the kind described, comprising a spout provided with a flange, a series of cutters extending from the lower portion of the spout arranged in the form of a tapered angular frame with pointed end, curved springy lugs forming a continuation of the upper part of the cutters, adapted in combination with the flange to clamp the device to a can.

2. A device of the kind described, comprising a spout provided with a flange, a cap to rest on the flange and cover the spout, a series of cutters extending from the

lower portion of the spout arranged in the
form of a tapered angular frame with
pointed end, curved springy lugs forming a
continuation of and located within the edge
5 of the upper part of the cutters, adapted in
combination with the flange to clamp the
device to a can.

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

ANDREW B. FOANS.

Witnesses:

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CHRISTIAN H. ALMSTAEDT.