

(No Model.)

E. C. CHAGNON & M. VIRNOCHE.

CAN OR BOX.

No. 408,911.

Patented Aug. 13, 1889.

Fig. 1.

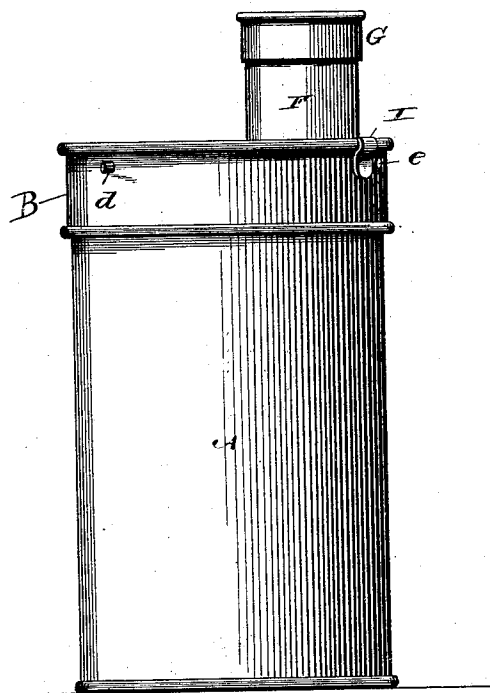


Fig. 2.

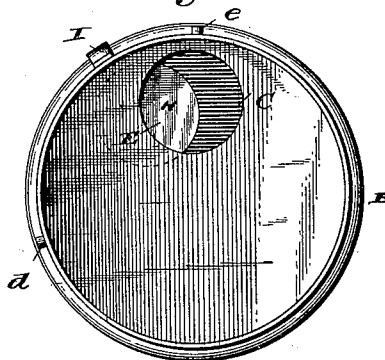


Fig. 3.

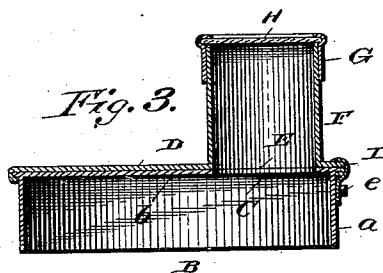
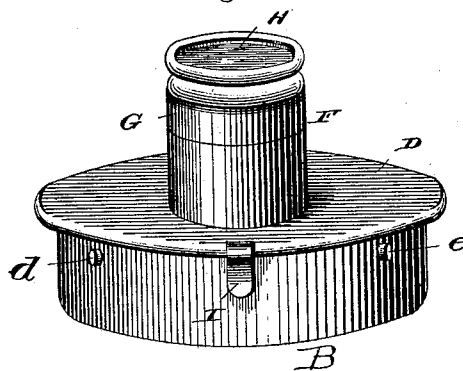


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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CAN OR BOX.

SPECIFICATION forming part of Letters Patent No. 408,911, dated August 13, 1889.

Application filed June 20, 1889. Serial No. 314,906. (No model.)

To all whom it may concern:

Be it known that we, ELZEAR C. CHAGNON and MAXIME VIRNOCHE, citizens of the United States, residing at Woonsocket, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Cans or Boxes; and we 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.

This invention has relation to improvements in cans or boxes—such as used for holding baking-powders, ground coffees, spices, &c.; and it has for its object to provide such cans with means for effectively excluding air from the contents and the provision of means for measuring the contents in desired quantities without removing the cover of the can or exposing to the outer air only the contents of the measure as they are discharged for use.

In the accompanying drawings, Figure 1 is a side elevation of a can with our improvements applied. Fig. 2 is a plan view of the cover in an inverted position, showing the semi-rotatable top moved, so as to expose a part of the orifice in the cover. Fig. 3 is a diametrical sectional view of the cover with the measure thereon; and Fig. 4 is a perspective view of the cover bearing the measure removed from the can.

Referring by letter to the said drawings, A indicates a can made of sheet metal or other suitable material. This can may be of any suitable shape, or a box may be employed.

B indicates a cover for the can. This cover is provided with the usual skirt-flange *a* and the top or roof *b*. Within the top of the cover and at a suitable point near its periphery is an orifice C, which may be of any suitable size to permit the discharge of the contents at that point. Upon this cover is a top plate D, which has its edge flanged or otherwise formed to engage the periphery of the cover B, so as to permit a rotary movement on the latter.

It is obvious that the rotatable plate or top D may be secured to the cover in various ways, and we do not wish to confine ourselves

to any particular means of attachment, as it is simply necessary that a joint should be had which will exclude the open air from the contents of the box or can at all times. This rotatable plate or top D is also provided with an aperture E, which is of a size corresponding to that in the cover and is designed to register therewith. Above this opening in the plate D is secured a measure F, which may be of any suitable size. This measure is provided with a removable cap G, which is preferably provided with a sight-glass H, which covers the top of the cap and permits a view through the measure and into the can.

It is obvious that the glass may be dispensed with in the measure without departing from the spirit of our invention; but it is desirable to employ a glass, a sheet of mica or other transparent material, so that the user in turning the measure may be able to see when the same has been brought to register with the hole in the cover.

As it is desirable that there should be some positive means employed to indicate when the measure has been turned, so as to coincide with the opening in the cover, and also when the measure has been turned sufficiently to have its plate cover the opening in the cover, we have provided at suitable points stops *d* and *e*, and arranged on the plate D a depending arm I, which may travel from one stop to the other and limit the movements of the measure beyond these points. This will serve as a notification to the user that the measure is in proper position at one stop to measure out the contents, and when at the other stop it will show that the aperture in the cover has been properly closed.

In putting up yeast-powder or the like the manufacturer removes the cover bearing the measure and fills the can, after which he seals it tightly by pasting a label over the joint or by soldering the joint, it being simply necessary for the user to manipulate the plate bearing the measure without removing the entire cover.

Having described our invention, what we claim is—

1. A box or can cover having an aperture in its top, in combination with a semi-rotatable

ble measure having an opening in its bottom adapted to register with the opening in the cover, and also having a removable cap carrying a transparent top, substantially as specified.

5 2. A can or box cover having the stops *d e* and the opening C in its top, in combination with the plate D, having a depending arm I to engage the stops, the measure F, secured
10 to said plate above the opening therein, and the removable top G, having a transparent top H, substantially as specified.

15 3. An improved article of manufacture, consisting of a can A, a cover having an opening in its top, and the lateral stops or lugs *d e*,

the semi-rotatable plate on the cover having an arm to engage the stop-lugs, and also having an opening to register with the opening in the cover, the measure secured to the plate above the opening, and the removable cap 20 having a transparent top, substantially as specified.

In testimony whereof we affix our signatures in presence of two witnesses.

ELZEAR C. CHAGNON.
MAXIME VIRNOCHE.

Witnesses:

JOHN J. HEFFERNAN,
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