

(No Model.)

W. W. FLINT.
Sheet Metal Can.

No. 236,013.

Patented Dec. 28, 1880.

Fig 1.

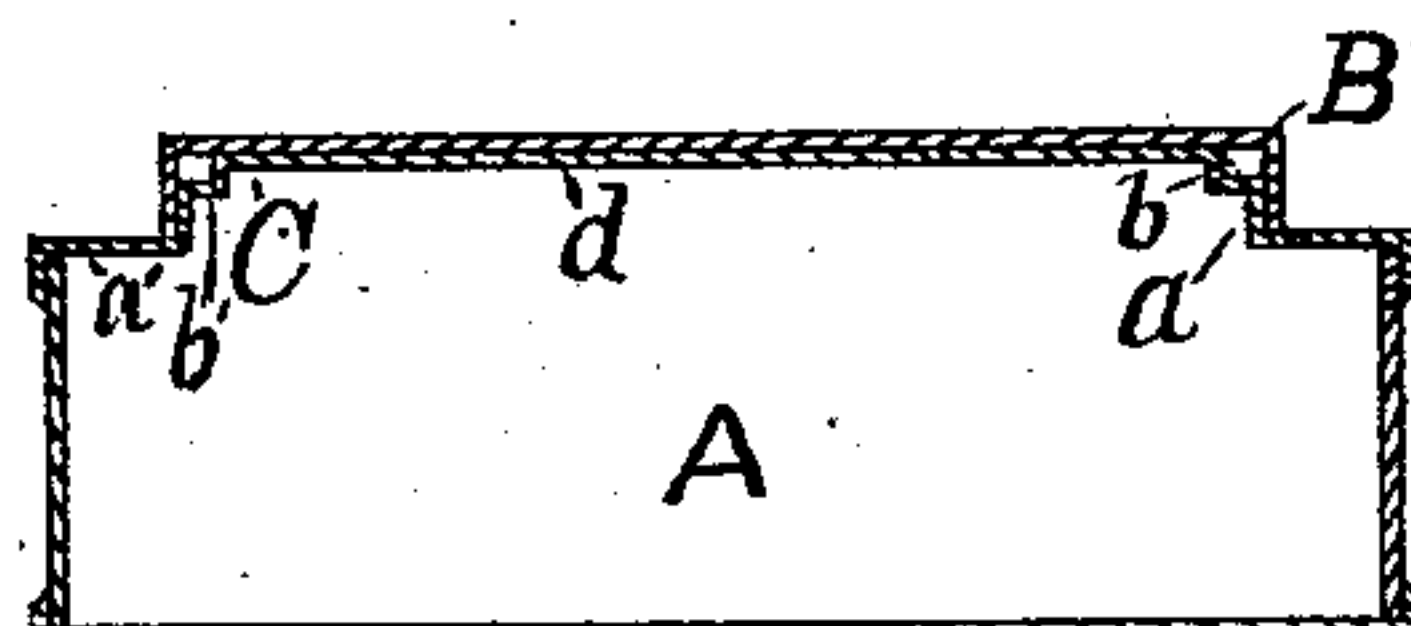
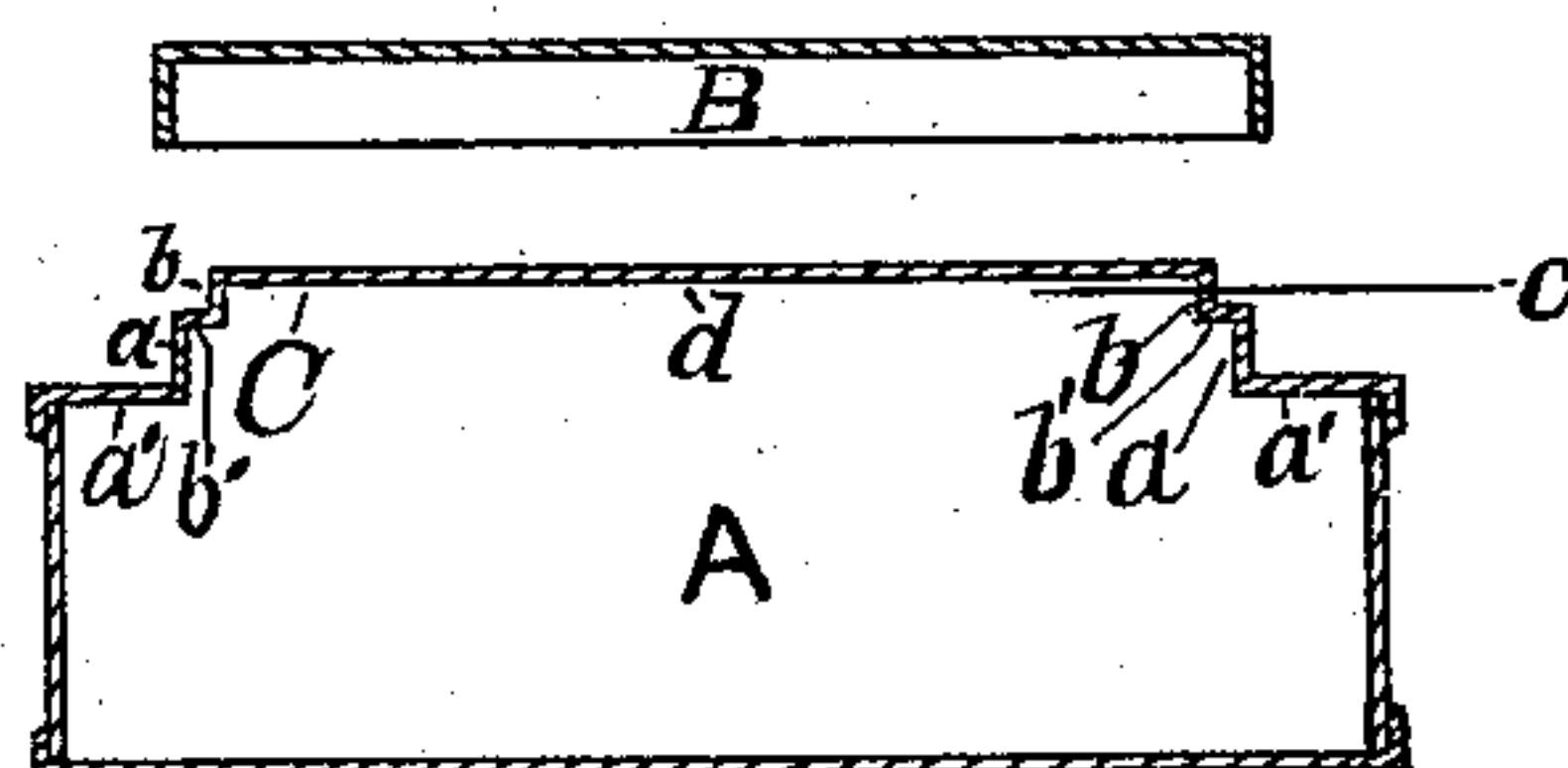


Fig 2.



Witnesses.

Wm Zimmerman.

Chas O. Collins

Inventor.

William W. Flint

By Bradley & Co
Atty

UNITED STATES PATENT OFFICE.

WILLIAM W. FLINT, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE CHICAGO STAMPING COMPANY, OF SAME PLACE.

SHEET-METAL CAN.

SPECIFICATION forming part of Letters Patent No. 236,013, dated December 28, 1880.

Application filed September 22, 1880. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. FLINT, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Sheet-Metal Cans; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawings, forming a part hereof, and in which—

Figure 1 represents a longitudinal vertical section of a sheet-metal can embodying my invention, showing the slip-cover attached; and Fig. 2 represents the same with the slip-cover removed.

Like letters of reference indicate like parts.

My invention relates to that class of sheet-metal cans in which the cover proper is made of thin or soft metal, adapted to be cut away when the can is to be opened, and so constructed that the opening so made may be closed by a slip-cover.

As heretofore constructed, cans provided with covers of this description were made of an annular ring of hard sheet metal, a central disk of soft metal soldered to the annular ring, and a slip-cover, or a cover of soft metal, an annular ring of hard sheet metal, and a slip-cover.

My invention consists in constructing the cover proper of the can wholly of thin or soft metal, stamped or spun into steps, shoulders, or offsets so formed as to sufficiently stiffen the cover, and at the same time have a central portion adapted to be cut away along a clearly-defined line or offset, and when so cut away adapted to be closed by a slip-cover, substantially as hereinafter more fully described.

In the drawings, A represents the body of a sheet-metal can, provided with a fixed cover, C, made wholly of thin or soft metal, and which may be united to the body by any known method, preferably double-seaming.

The fixed cover C is constructed by stamping or spinning into an annular flat portion, *a'*, with a vertical step or shoulder, *a*, of a height sufficient to receive and hold the rim of a slip-cover, B. Above and parallel with said step *a* is also formed a second annular step or shoulder, *b*, shorter than the step *a*, and so as to form the central disk, *d*.

The number of steps or shoulders *a b* may be increased as desired.

Over the outer vertical sides of the step or shoulder *a* is slipped the rim of a closely-fitting cover, B, which serves both to strengthen and protect the cover C and to form a temporary cover when the central disk is cut away.

When it is desired to open the can the slip-cover is first removed and a knife-blade, *e*, is passed parallel to the disk *d* through the step or vertical part *b* and cut around close down to the shoulder *b'*, thus cutting away the central disk, *d*, when the contents of the can may be used; and to close the can and protect its contents from the action of the atmosphere the slip-cover B is placed over the said opening, as shown.

A can constructed as herein shown and described has its head or cover made of but one piece, exclusive of the slip-cover, and can be made more economically than when made of two or more pieces, either soldered or seamed together, and is in every way as effectual in all its uses.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a sheet-metal can, the combination, with the body A and fixed cover C, constructed of thin or soft metal and provided with two or more annular steps or shoulders, *a b*, of the slip-cover B, substantially as shown and described.

WILLIAM W. FLINT.

Witnesses:

N. COWLES,
WM. ZIMMERMAN.