(No Model.)

F. A. WALSH.

SHEET METAL CAN.

No. 306,791. Patented Oct. 21, 1884.

Fig. 1.

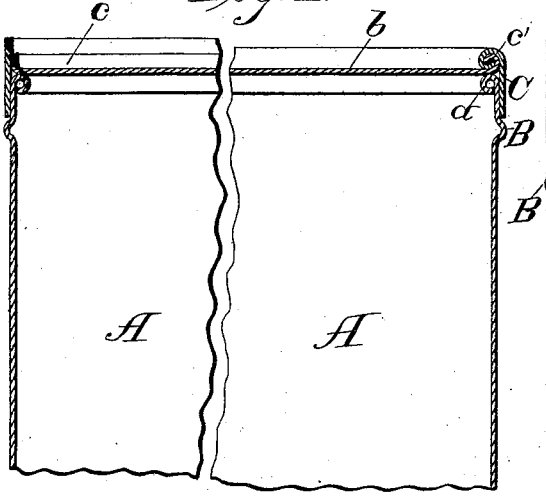


Fig. 2.

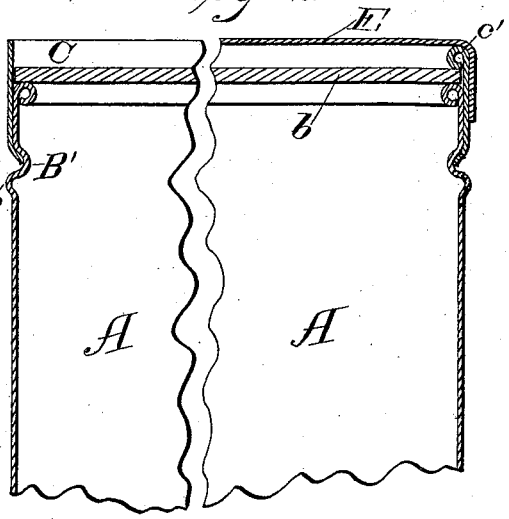
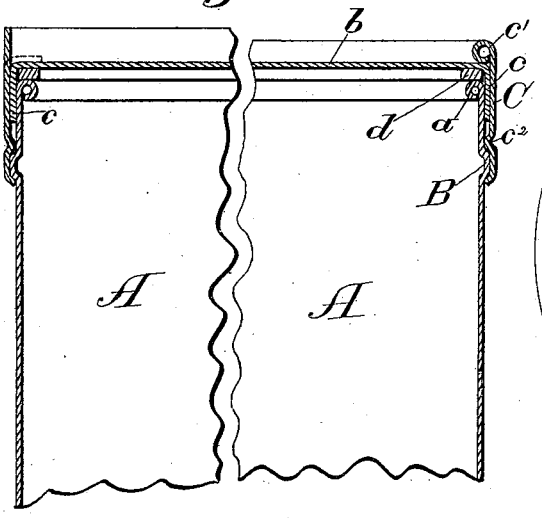


Fig. 3.



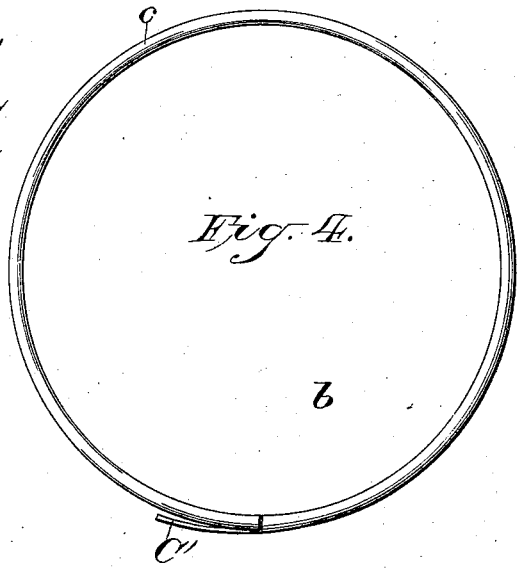


Fig. 4.

Witnesses:
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UNITED STATES PATENT OFFICE.

FRANCIS A. WALSH, OF MILWAUKEE, WISCONSIN.

SHEET-METAL CAN.

SPECIFICATION forming part of Letters Patent No. 306,791, dated October 21, 1884.

Application filed July 1, 1884. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS A. WALSH, of Milwaukee, in the county of Milwaukee, in the State of Wisconsin, have invented certain new and useful Improvements in Sheet-Metal Cans; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to sheet-metal cans and pails, and will be fully described hereinafter.

In the drawings, Figure 1 is a section of a can embodying my invention, one portion showing the can with the cover merely in place, while the other portion shows it beaded or rolled down. Figs. 2 and 3 are like sections of modifications, and Fig. 4 is a plan view.

A is the body of the can, and B is a bead formed about it near its upper end. The rim of the can is rolled in, as shown, to form a seat, *a*, for the cover *b*. This cover may consist of a disk having either an up or down turned flange, *c*, of metal, as shown in Figs. 1 and 3, or may consist simply of a disk, as shown in Fig. 2.

C is a sheet-metal ring that is slipped over the can, so that its lower end rests upon bead B, and at this point it is soldered or otherwise secured to the can-body, its upper rim projecting above the cover C.

When the parts are constructed as shown in Fig. 1, the cover is placed on the seat and the upper portion of ring C is, by means of a former, turned inward with the curved rim c' so as to securely lock the two together and secure the cover on the seat *a*. With such a cover, as shown in Figs. 2 and 3, it will be necessary to form the rim of ring C down upon the cover round, as shown in full lines.

In Fig. 2 I show an annular indentation, B', above the bead B, that I may use a ring, C, that is bent in at its lower rim, which may be preferred to the other forms, and in Fig. 3 I show the bead B as made somewhat angular, and I bead the ring at c^2, so that the bead c^2 will rest upon the bead on the can-body, and I then place the can in a machine, and by means of a suitable former I swage that portion of rim *c* below c^2 upon bead B of the body. In this form of my device a space will be left above bead B, between the ring and can-body, to receive the rim *c* of cover *b*. In using this form of my device I prefer to interpose a gasket, *d*, between the bead *a* and the cover *b* when air-tight sealing is required.

In packing my cans for shipment empty, I place the rings in their places, each on a can, and then nest the cans—that is, I slip the bottom of one can into the ring of another, and so on—one on top of another, and I find that when thus shipped they hold together well and protect each other from injury. As before stated, the ring C is soldered to the can-body at its lower edge, and when it is stamped from one piece can be removed only by cutting and tearing or prying it off; but when it is made from a strip of metal I may make one end of the strip overlap the other, so as to form a tongue, C', and I leave the end of this unsoldered, so that it will form a hold by which the ring may be grasped and torn off.

E is a slip-cover, which I propose to use, when deemed necessary, with a paper or other disk cover, *b*.

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

The combination, with the body of a sheet-metal can, of a suitable cover, and a ring encircling the rim of the can-body, with its upper edge having an inwardly-turned curved rim over the cover, and clamping it down upon the rolled upper edge of the can-body, as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

FRANCIS A. WALSH.

Witnesses:

S. S. STOUT,

H. G. UNDERWOOD.