

(No Model.)

F. H. ARND.
SHEET METAL CAN.

No. 299,316.

Patented May 27, 1884.

Fig. 1.

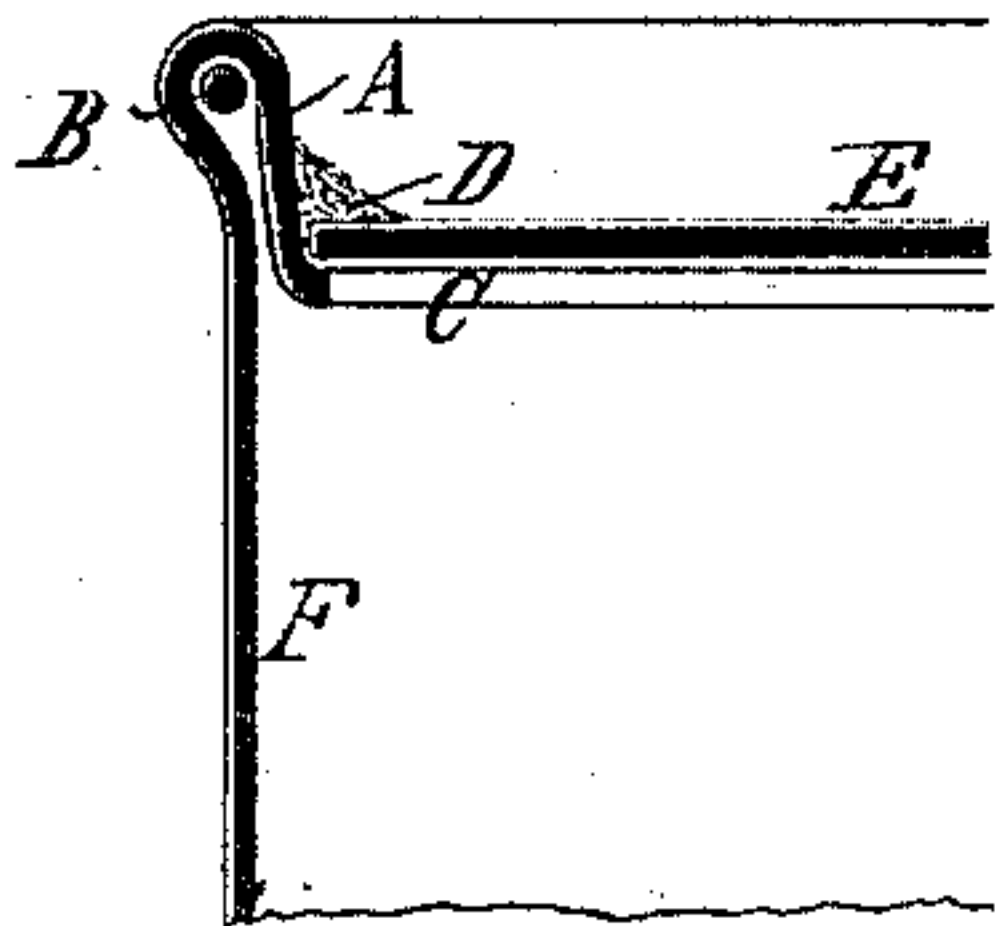


Fig. 2.

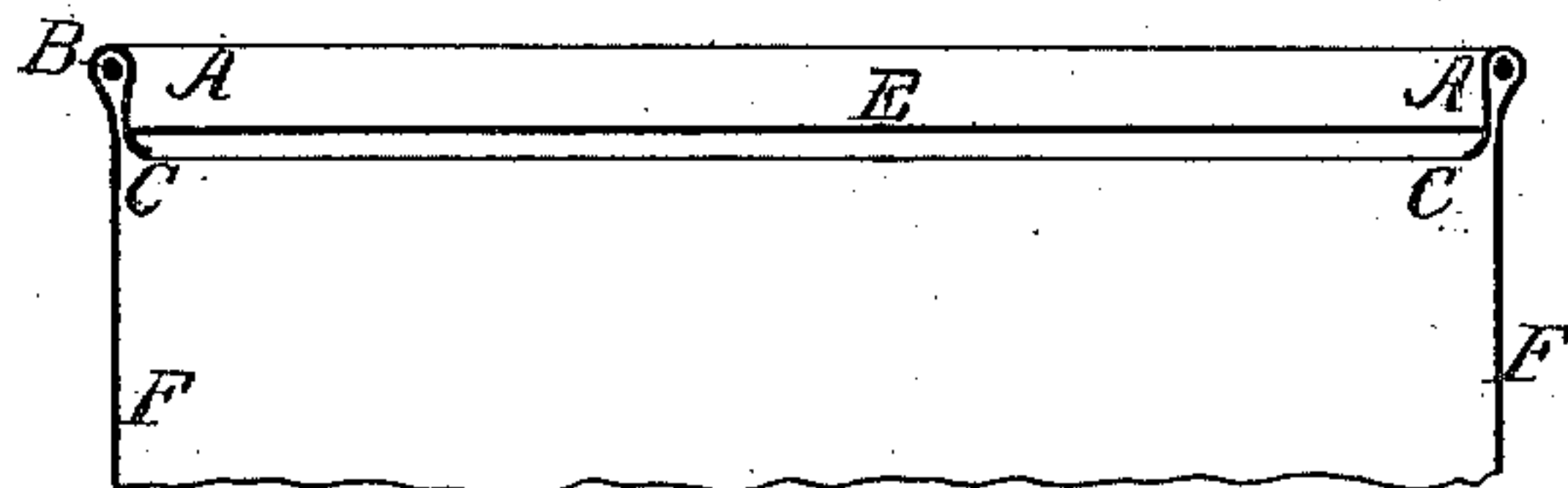


Fig. 3.

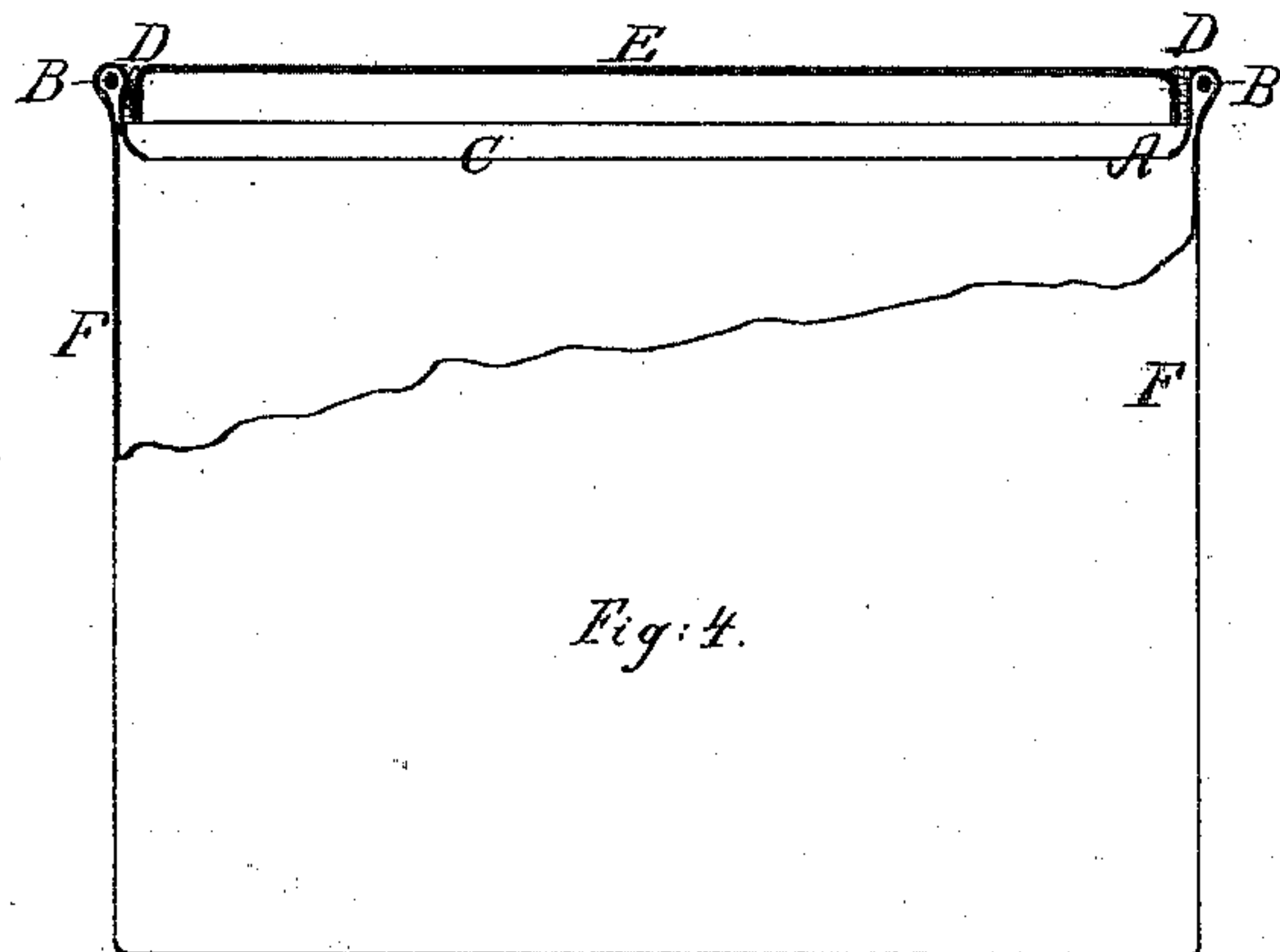
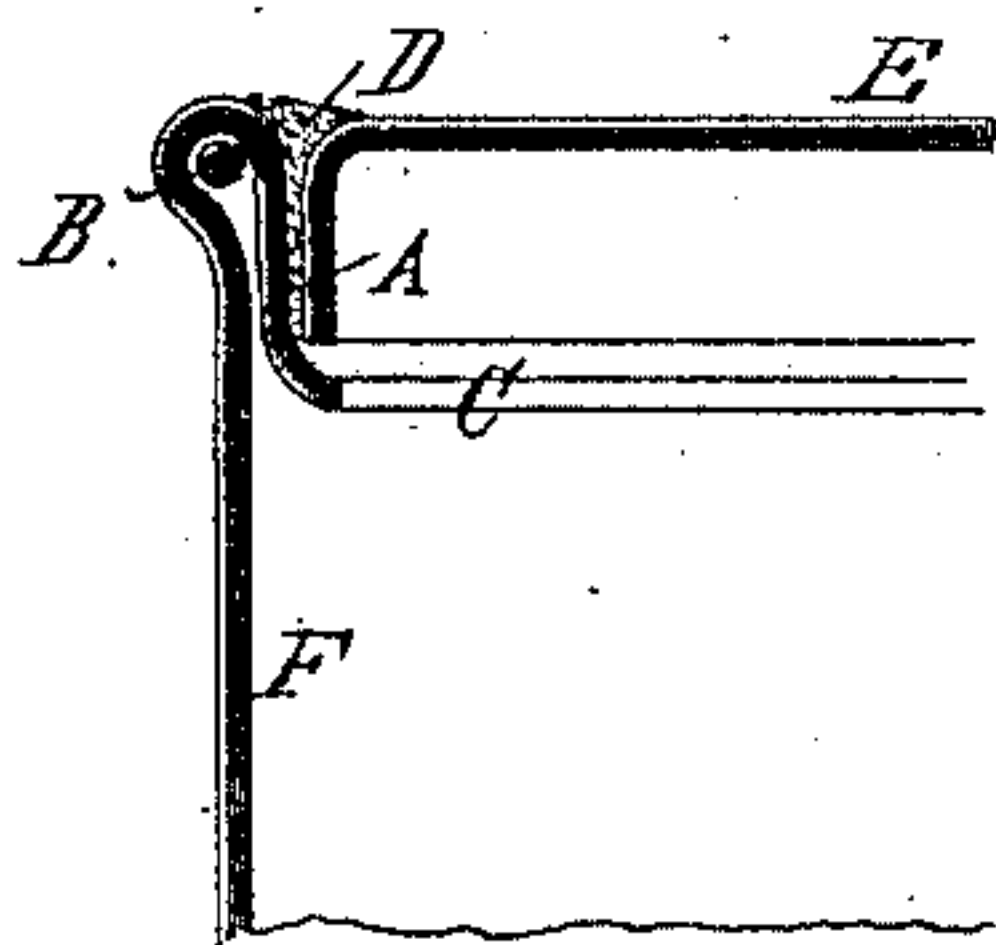
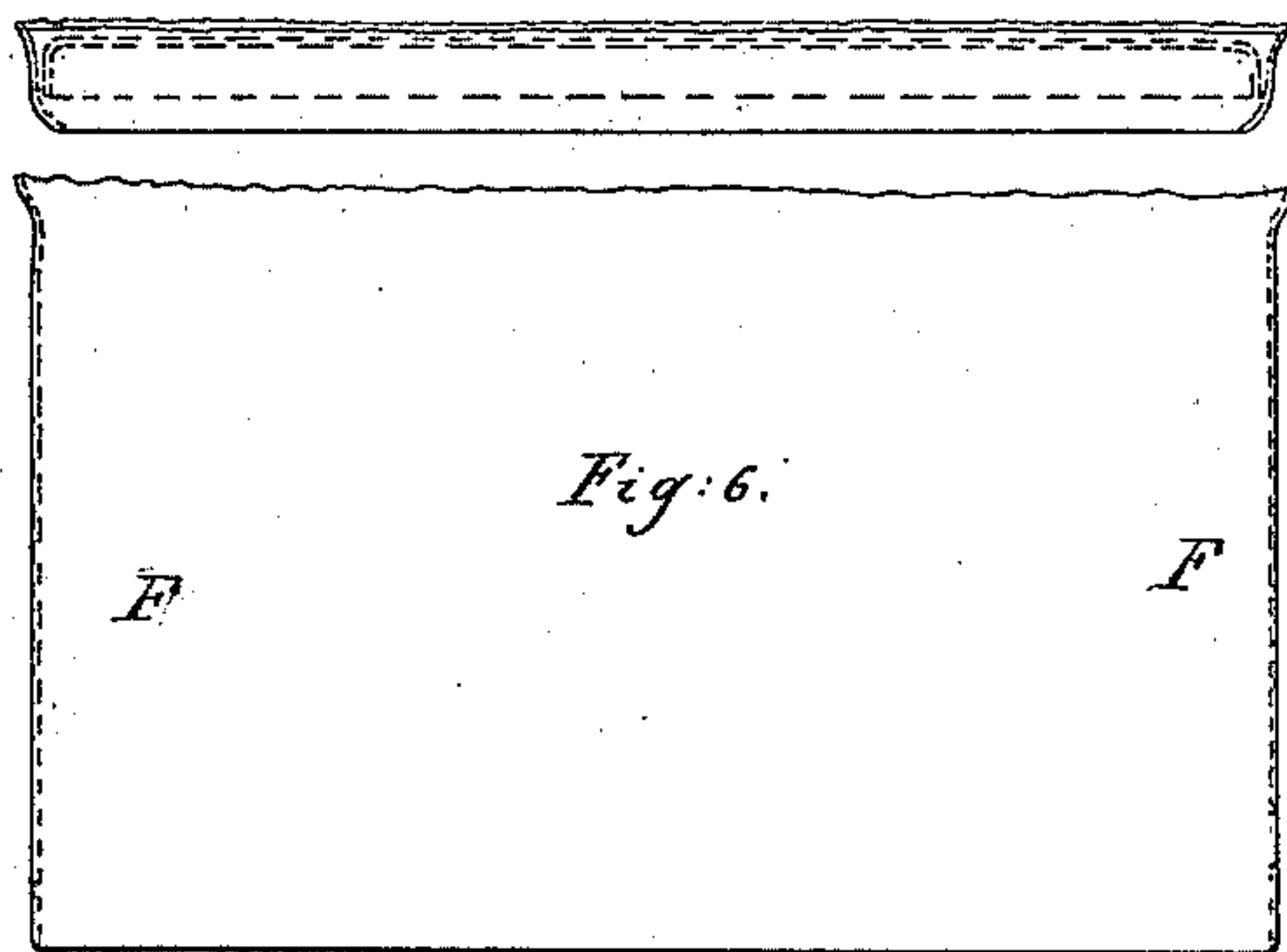
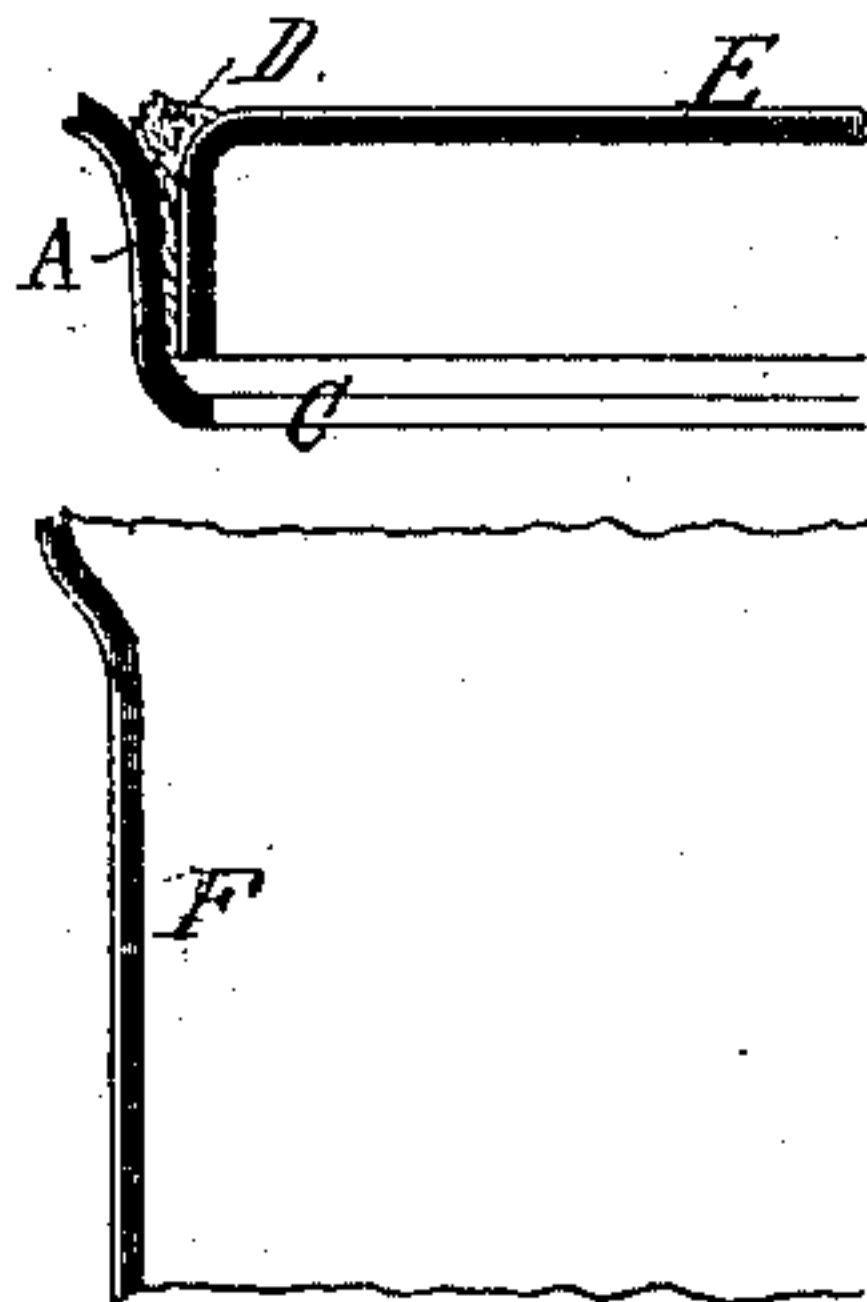


Fig. 5.



WITNESSES:
Alexander Barkoff
David S. Williams

INVENTOR:
Friedrich H. Arnd
by his Attorneys.
Howson & Sons

UNITED STATES PATENT OFFICE.

FRIEDRICH HELVIG ARND, OF WEIMAR, GERMANY.

SHEET-METAL CAN.

SPECIFICATION forming part of Letters Patent No. 299,316, dated May 27, 1884.

Application filed April 2, 1883. (No model.)

To all whom it may concern:

Be it known that I, FRIEDRICH HELVIG ARND, a subject of the Emperor of Germany, and a resident of Weimar, Germany, have invented certain Improvements in Sheet-Metal Cans, of which the following is a specification.

My invention relates to that class of sheet-metal cans and other closed packages which are provided with a tearing-wire for opening the packages by tearing through the body or cover thereof, so that such cover may be lifted off at pleasure.

The object of my invention is to construct a can or package of this class which can be easily manufactured, will allow of a tight joint being maintained round the edges of the cover, and yet can be readily opened when desired. This object I attain as hereinafter described.

In the accompanying drawings, Figure 1 is a sectional view of a corner of a sheet-metal can embodying my invention. Fig. 2 is a section of the upper portion of the can, drawn to a smaller scale. Figs. 3 and 4 are corresponding views of a modification, and Figs. 5 and 6 are views showing the cover removed after the can has been torn open by the ripping-wire.

The upper edge of the can is turned inward, so as to form an annular overlapping portion, A, and in the recess left between this inward flange and the body F, I lay the ripping or tearing wire B, which thus extends around the upper edge of the can, and is held thereby by the overlap, one end of the wire

being secured to the overlap A, while the other end extends through a suitable opening in the edge of the can, and is provided on the outside with a loop, ring, or other device to facilitate the ripping operation in the usual manner. The lower edge of the inward overlap, A, is flanged inward, as at C, to receive the lid or cover E of the can, which is fastened by solder, D, the flange C preventing the latter from gaining access to the body of the can and accidentally soldering the edge of the overlap to the body F. By pulling on the ripping-wire B in the usual manner the overlap A will be severed from the body, as shown in Figs. 5 and 6, so that the lid and the overlap which forms a complete ring can then be lifted off.

The lid or cover E may be a plain, flat plate, as shown in Figs. 1 and 2, or may be flanged, as shown in Figs. 3 and 4.

I claim as my invention—

The combination of the body of a can or similar package having an inward overlap, A, flanged at C, with a ripping-wire, B, held between the overlap and body of the package, and a lid, E, adapted to be applied and soldered over the flange C, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRIEDRICH HELVIG ARND.

Witnesses:

MARC M. RUTTEN,
EDUARD PEITZ.