

(No Model.)

H. T. PORTER.
CAN.

No. 549,015.

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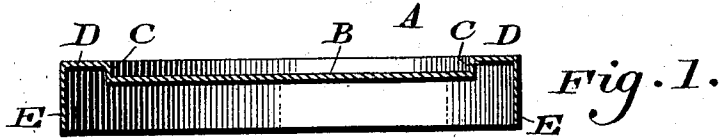


Fig. 2.

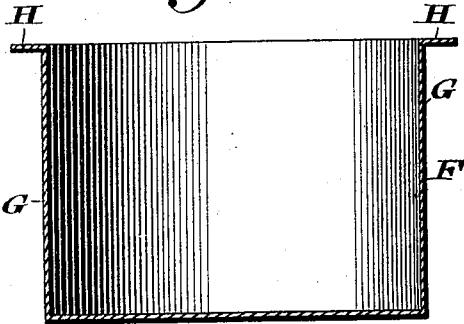


Fig. 3.

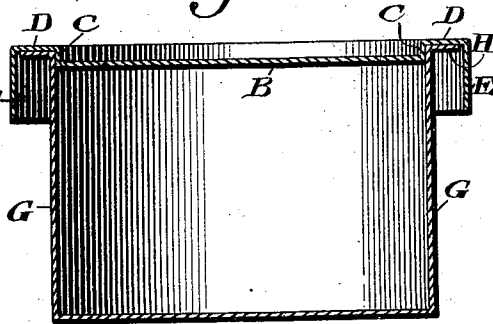


Fig. 4.

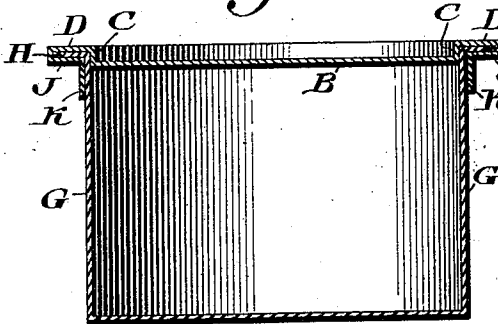


Fig. 5.

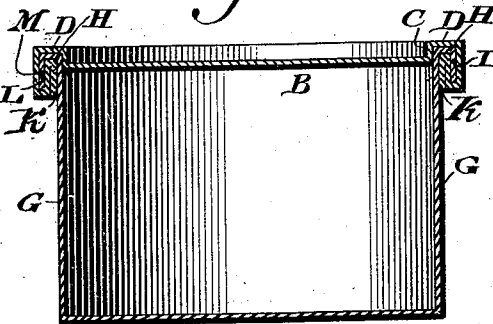
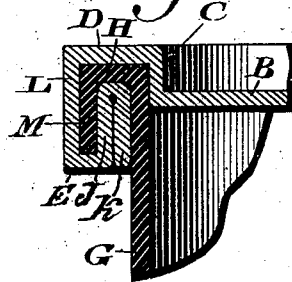


Fig. 6.



WITNESSES:

P. F. Tagle.
E. A. Fairbanks.

INVENTOR

Harry T. Porter.

BY

John A. Diederheim.

ATTORNEY.

UNITED STATES PATENT OFFICE.

HARRY T. PORTER, OF PHILADELPHIA, PENNSYLVANIA.

CAN.

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Application filed June 14, 1895. Serial No. 652,805. (No model.)

To all whom it may concern:

Be it known that I, HARRY T. PORTER, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Cans, which improvement is fully set forth in the following specification and accompanying drawings.

My invention relates to the closure of cans; and it consists of a novel construction or formation of the joint between the cover of a can and the body thereof, whereby a triple seam is produced, the same being tight and reliable, all as will be hereinafter set forth and claimed.

Figure 1 represents a vertical sectional view of a cover for a can embodying my invention. Fig. 2 represents a vertical sectional view of a can-body to which said cover is applicable. Fig. 3 represents a vertical sectional view showing the cover and can in juxtaposition. Fig. 4 represents a can in the process of manufacture. Fig. 5 represents a completed can. Fig. 6 represents, on an enlarged scale, a completed joint similar to that shown in Fig. 5.

Similar letters of reference indicate corresponding parts in the several views.

Referring to the drawings, A designates the cover of a can ready to be applied to the body thereof, the same having a central depressed portion B, an upwardly-extending portion or shoulder C, a laterally-extending flange D, and a depending flange E.

F designates a can-body, which is provided with the sides G and the laterally-extending flange H.

In the first step of forming the joint between the body and the cover the latter is placed on the flange H in the manner seen in Fig. 3, the shoulder C abutting against the side G and the depending flange E surrounding the edge of the flange H. Said depending flange E is now caused, by means of suitable mechanism, in the next step of manufac-

ture to be pressed, so as to surround and inclose the flange H, as seen in Fig. 4, said flange E now having the inwardly-turned portion or flange J, which is in contact with the under side of said flange H, while the flange K depends from said portion J and is in contact with the side G of the can-body F, as seen in Fig. 4.

In the next step the outer portion of the flange D, near its periphery, is bent downwardly, so as to form the depending flange L, while the flange H is bent so as to form a depending flange M, the portions J and K (shown in Fig. 4) being now bent or folded by suitable mechanism so as to bring the flange J in contact with the flange K, which is against the side G, the lower ends of said flanges L, J, and K being substantially on the same plane, an exceedingly strong, reliable, and hermetical joint being thus formed, as will be apparent from Figs. 5 and 6, the liability of any leakage between the cover and can-body being thus reduced to a minimum, owing to the triple seam formed by the flanges M, P, and Q.

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

A can body, having the side G with a rim H, in combination with a can cover, having a shoulder C in contact with the inner side of said body, the continuous flanges D and E, said flanges D and E embracing said flange H, said flange E being bent and doubled, forming the flanges J and K, the latter being in contact with said side G, and the flanges D, H, and J being doubled or bent upon the flange K, the lower ends of said doubled flanges being on the same plane with the lower end of the said flange K, substantially as described.

HARRY T. PORTER.

Witnesses:

WM. C. WIEDERSHEIM,
JOHN A. WIEDERSHEIM.