

D. W. Pepper,

Metal Can.

N^o 61,563.

Patented Jan. 29, 1867.

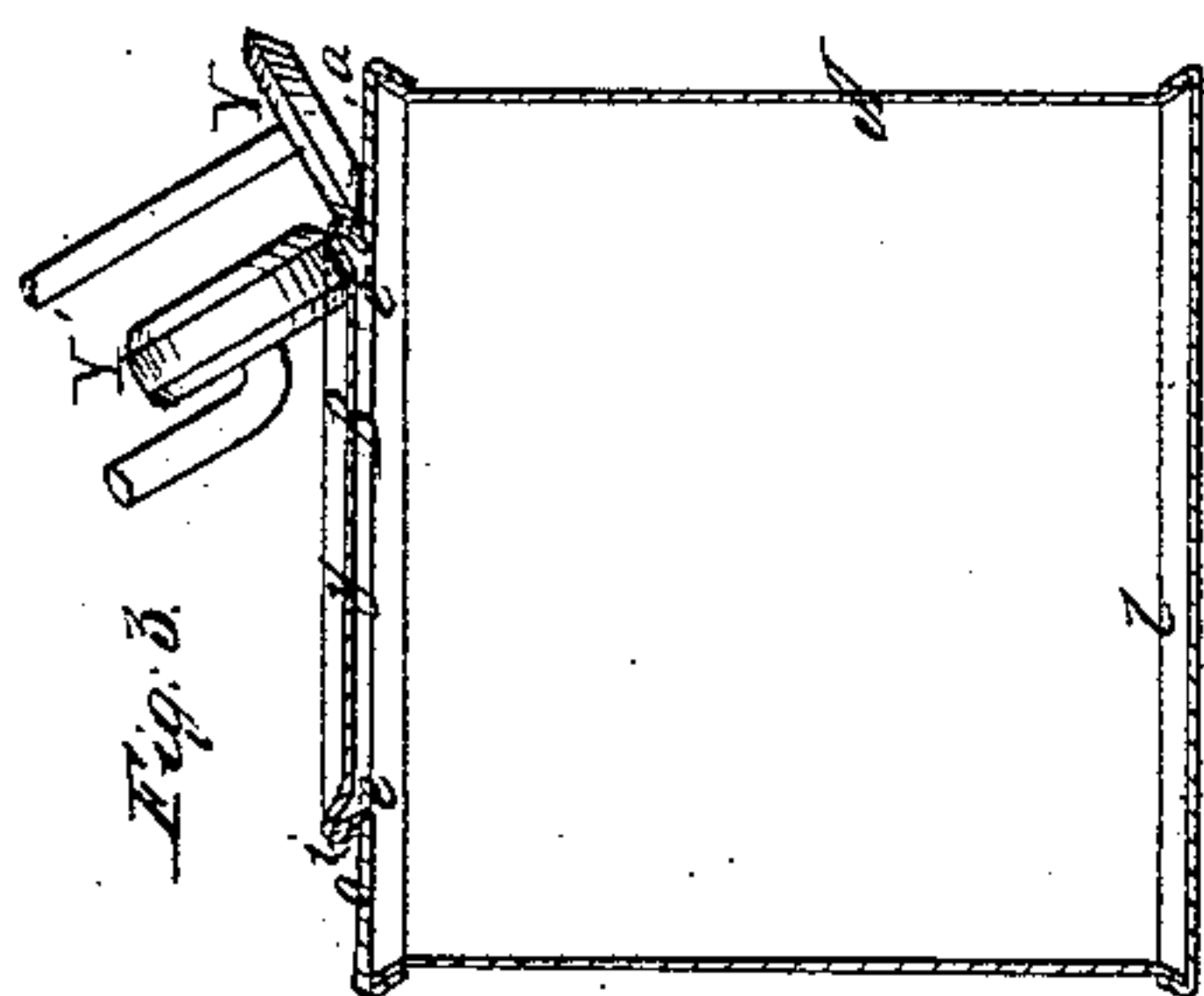


Fig. 1.

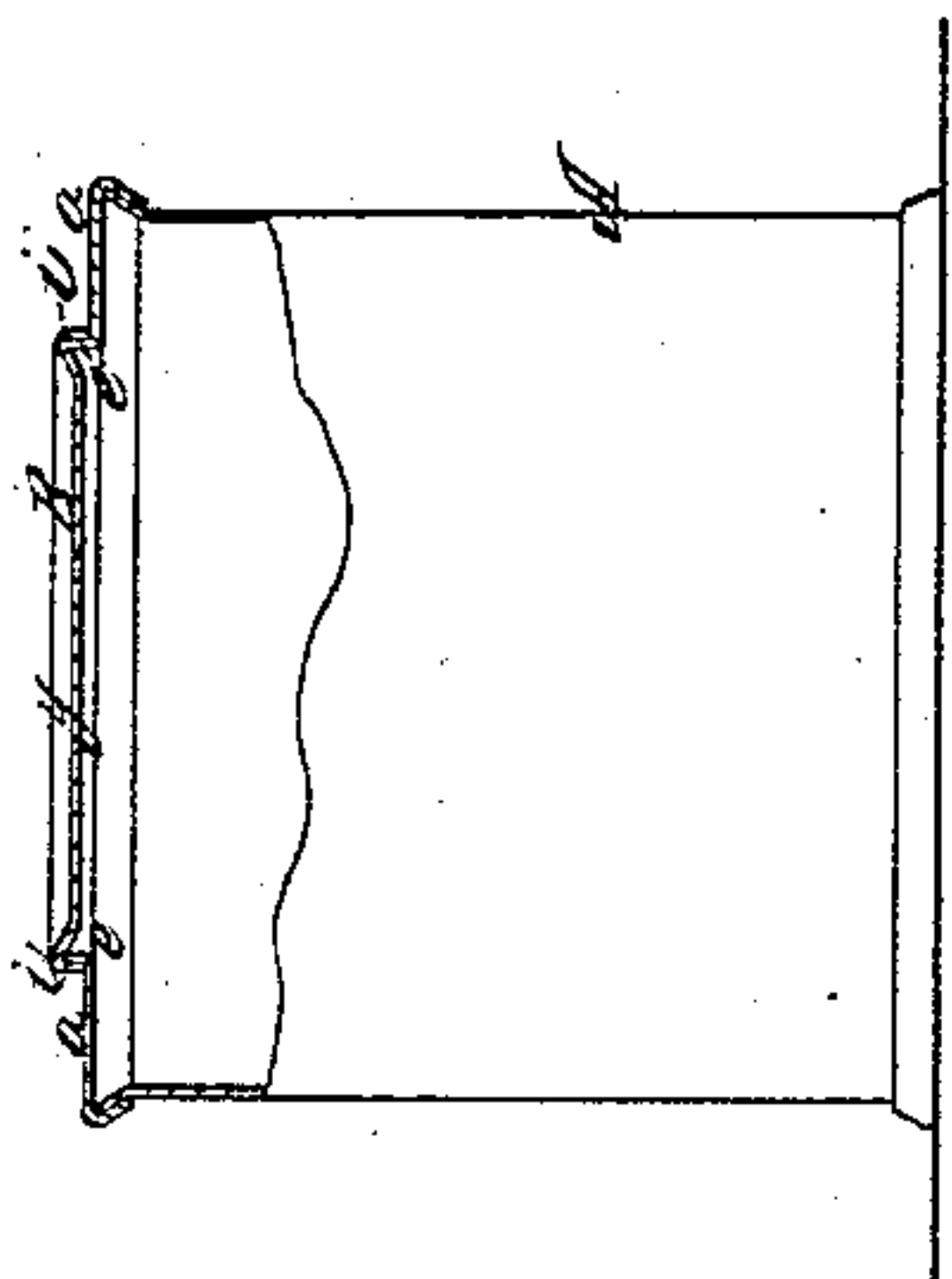


Fig. 2.



Fig. 3.

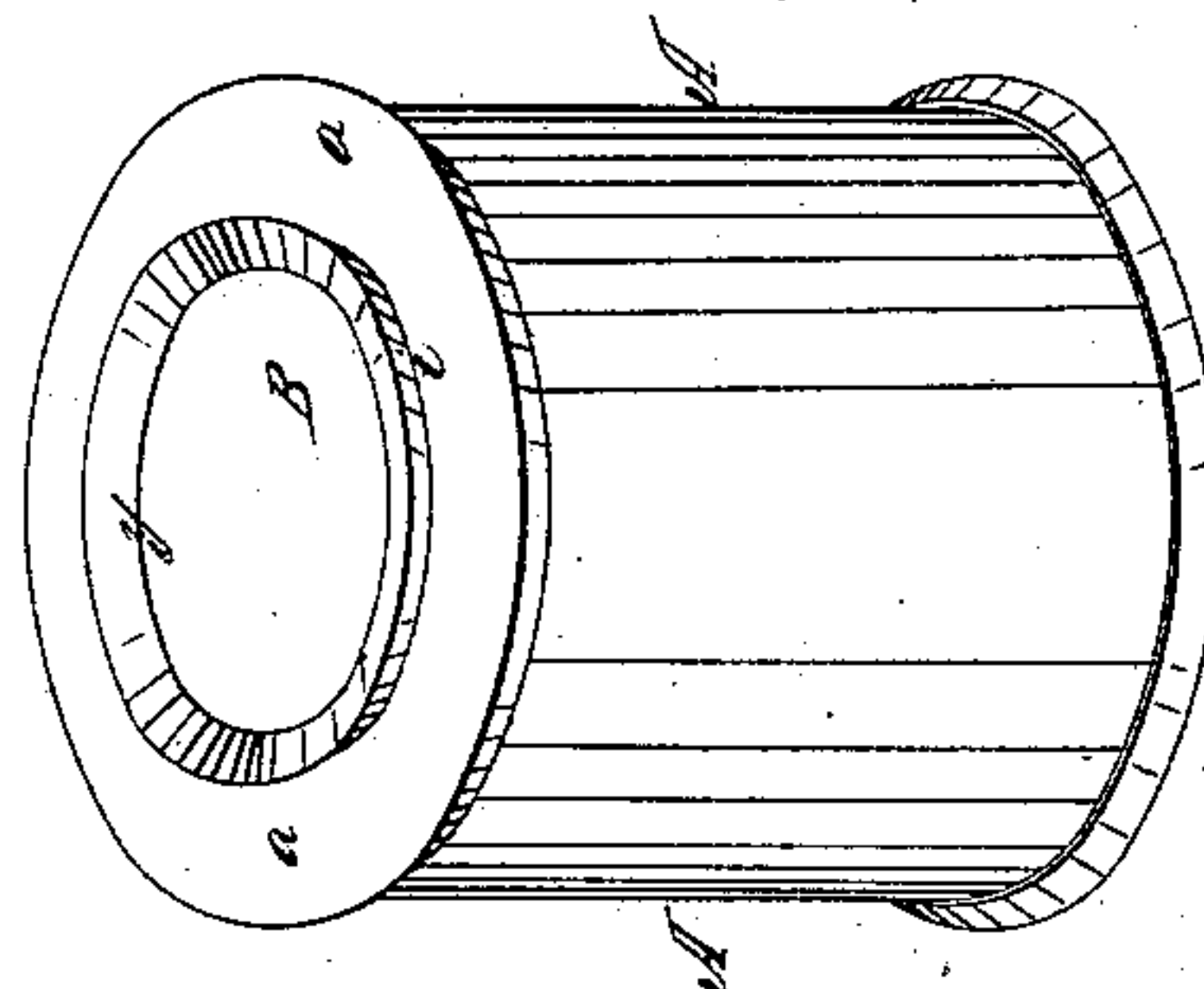
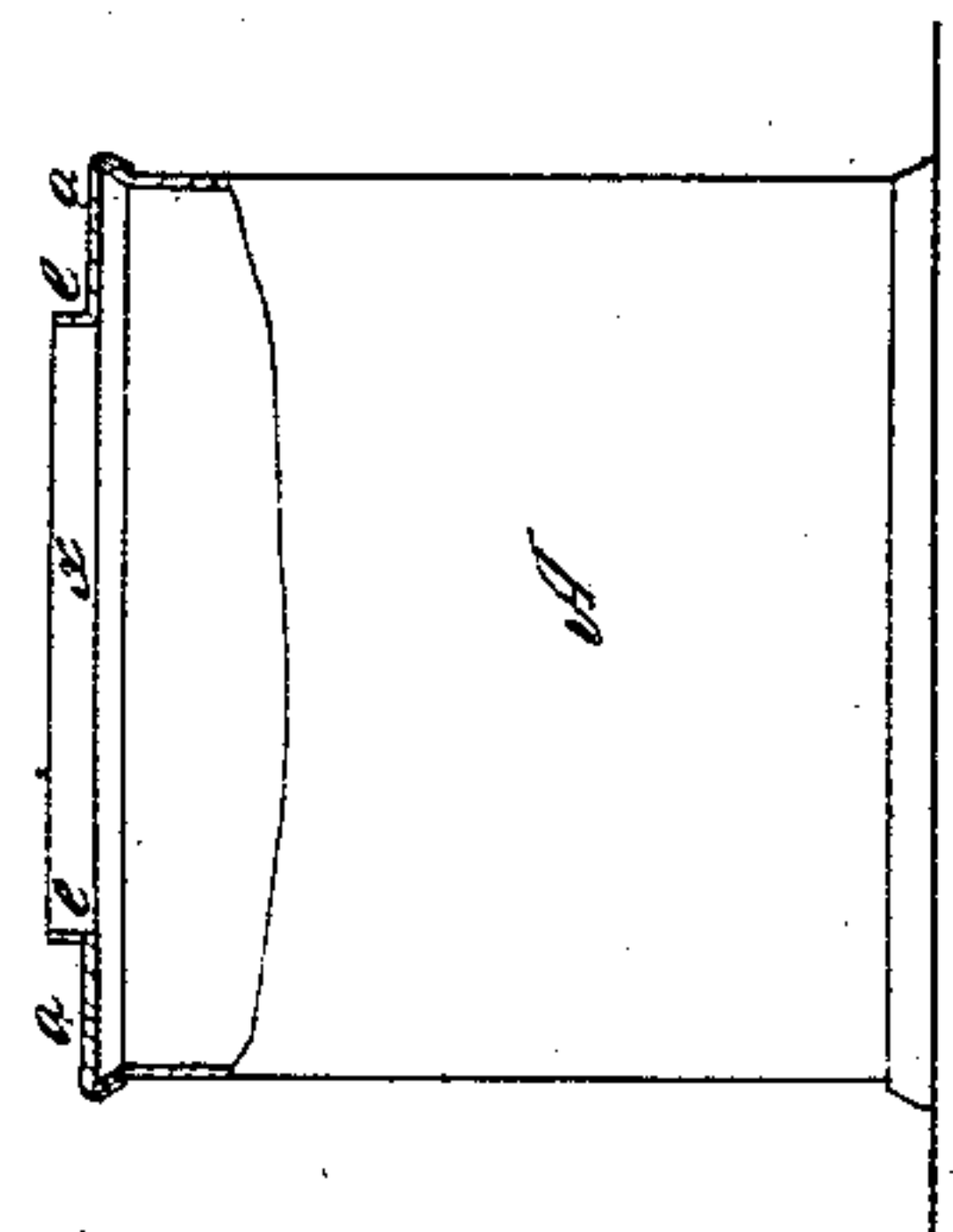


Fig. 5.

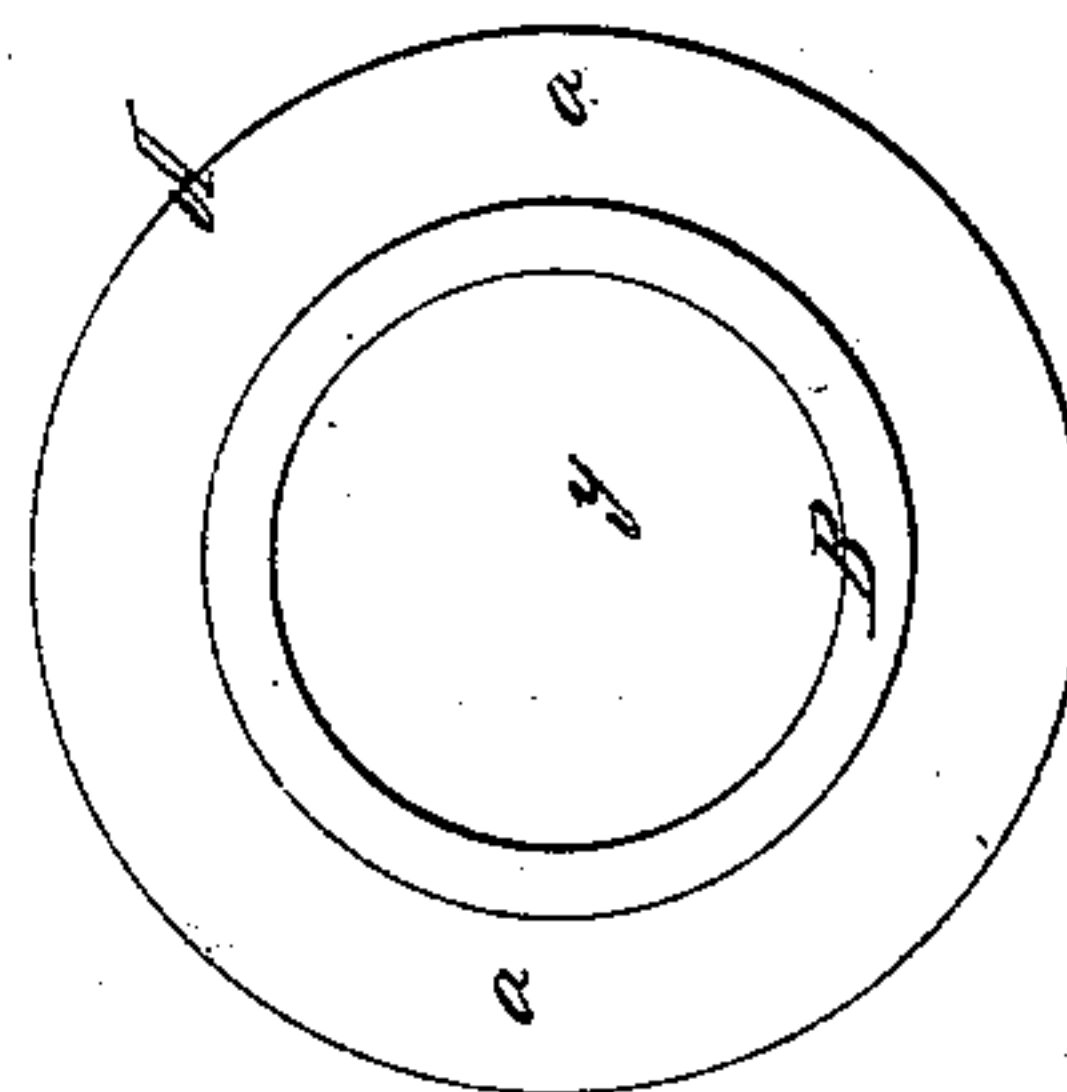


Fig. 6.

Witnesses:

John Parker
J. H. Gordon

Inventor:

D. W. Pepper
By his attorney
H. H. Johnson

United States Patent Office.

DANIEL W. PEPPER, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
H. EVERETT, OF SAME PLACE.

Letters Patent No. 61,563, dated January 29, 1867.

IMPROVED MODE OF SECURING CAPS TO METAL CANS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, DANIEL W. PEPPER, of Philadelphia, Pennsylvania, have invented an improvement in Metal Cans or Vessels; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

My invention relates to a mode of securing caps to metal cans or vessels for containing paints and other articles; and my invention consists in making in the top of a vessel an opening edged with an annular flange, to which is adapted a similar flange on the cap, the two flanges being acted on in the manner described hereafter, so as to be brought into intimate contact and effectually secured together.

In order to enable others skilled in the art to make and apply my invention, I will now proceed to describe the manner of carrying it into effect, reference being had to the accompanying drawing, which forms a part of this specification, and in which—

Figures 1, 2, and 3 are sectional views of a metal can and cap, illustrating the manner in which the latter is secured to the former.

Figure 4 is a plan view of the can, with the cap secured to the same; and

Figure 5, a perspective view.

The body A of the can consists of a casing of thin metal, to which are secured the top *a* and the bottom *b*. In the top *a* is an opening, *x*, the edge of the metal round the opening being bent upwards so as to form an annular flange, *e*. The cap B consists of a disk of thin metal, the edge of which is turned downwards so as to form an annular flange, *i*, arranged to fit snugly over the flange *e* of the top *a*, and in the upper surface of the latter is a circular depression or recess, *y*. After the can has been filled the cap B is applied, as shown in fig. 2, so as to cover the opening *x*, after which the can is placed on, and secured to, a revolving disk, and the edge of a wheel, Y, (of the form shown in fig. 3,) is caused to bear firmly against the outside and lower edge of the flange *i*, which is thus bent inwards, as shown in the drawing. As the flange *i* is forced against the flange *e* the latter is bent to a position parallel to the flange *i*, the two flanges being brought into such intimate contact that even in the absence of solder the contents of the can cannot escape at the joint. So secure is the cap B that it cannot be detached by any ordinary rough usage to which the vessel may be subjected. When, however, it is desired to remove the cap, the edge of a chisel or other like instrument is introduced beneath the flange *i* so as to force the cap upwards. The can may be held stationary while the wheel revolves round the flanges, and in some instances the flanges may be compressed between two wheels, *y y'*, the latter bearing on the edge of the depression in the top of the cap, as shown in fig. 3.

The above-described mode of sealing cans is cheap, expeditious, and entirely obviates the necessity of using solder or cement.

I claim as my invention, and desire to secure by Letters Patent—

The can A, with its opening *x*, and flange *e*, and the cap B, with its flange *i*, when the two are fitted and secured together, as described.

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

DANIEL W. PEPPER.

Witnesses:

CHARLES E. FOSTER,

W. J. R. DELANY.