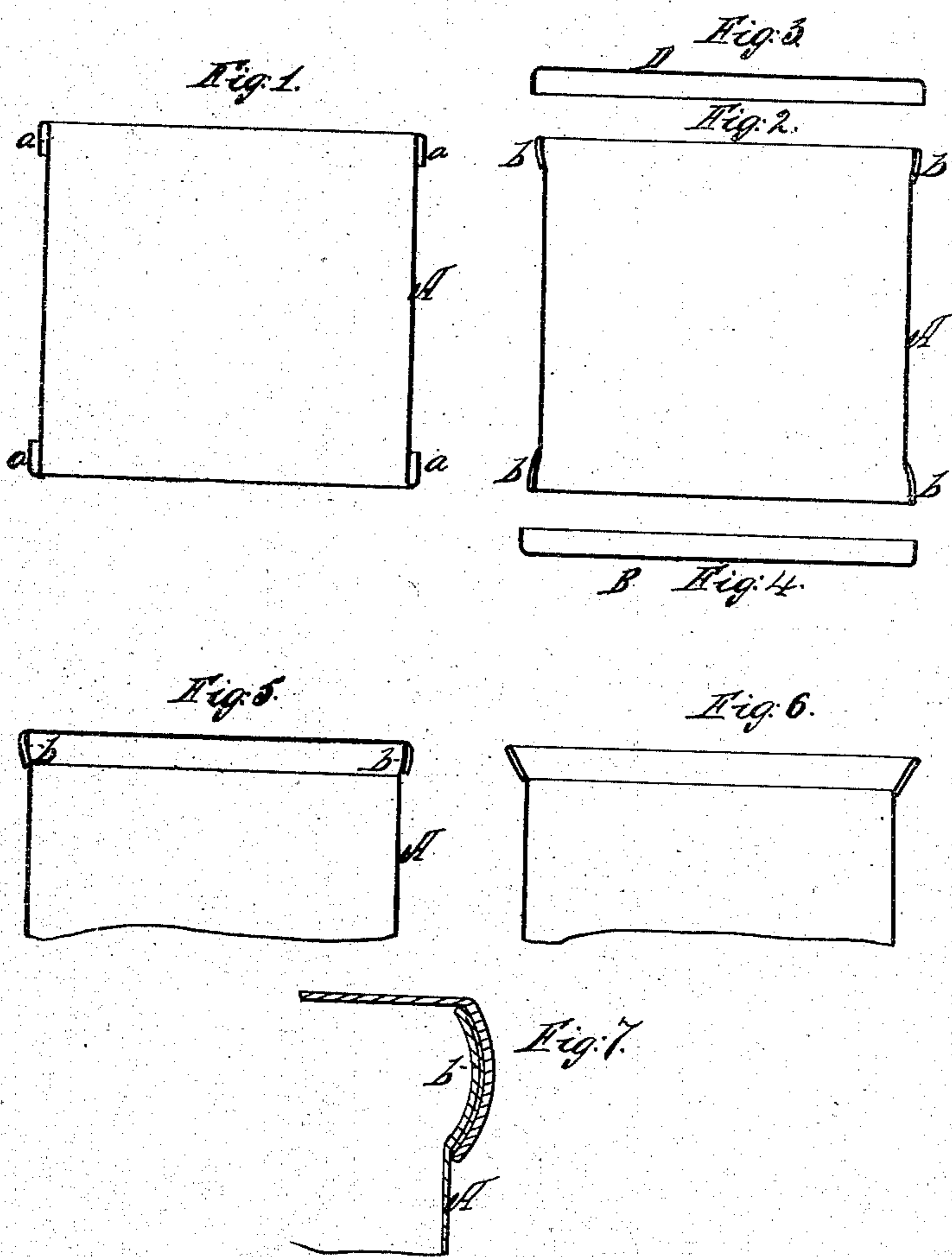


H. EVERETT.
METAL CAN FOR PUTTING UP ALKALIES.

No. 67,859.

Patented Aug. 20, 1867.



Witnesses:

Wm. H. Steel.
John Parker.

Inventor:

H. Everett
By his Atty
J. H. Howard

United States Patent Office

HORACE EVERETT, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 67,859, dated August 20, 1867.

IMPROVED METAL CANS FOR PUTTING UP ALKALIES.

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, HORACE EVERETT, of Philadelphia, Pennsylvania, have invented an Improved Can or Case for Containing Caustic Alkali; and I do hereby declare the following to be a full, clear, and exact description of the same.

My invention consists of a can or case composed of a sheet-iron cylinder with folded and compressed ends, and cover and bottom adapted to said ends, all as fully described hereafter, so as to form a rigid and substantial case for containing caustic alkali.

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

Figure 1 is a vertical section of the body of the can with ends partly finished.

Figure 2, the same with the folded ends compressed.

Figures 3 and 4, the cover and bottom.

Figure 5, a section of the cover secured to the can.

Figure 6, a modification of my invention, and

Figure 7 an enlarged view of the joint.

A strip of sheet iron is bent to the form of a hollow cylinder, A, the edges being secured by a tight lap-joint. A fold is then made at each end of the cylinder, as seen at *a*, fig. 1, after which the folded ends are subjected to the action of rollers which compress each fold to the form shown in fig. 2, thereby converting it into a substantial annular rib, *b*, which tends to maintain the cylinder or body A of the can in its proper shape. The bottom, B, fig. 4, which consists of a simple disk of sheet iron with turned-up edges, is now fitted to one end of the cylinder, and the said edges are pressed inwards by suitable mechanism, tightly against and so as to enclose the annular rib of the body A. If desired, the forming of the rib at the lower end of the cylinder, and the application of the bottom, may be made by suitable appliances at one operation. The can furnished with a detachable cover, D, is now ready to be delivered to the manufacturer of caustic alkali, which is poured while in a heated and fluid state into the can and the cover D at once applied to the latter. The simplest mode of securing the cover is to hold the can down on a revolving plate, and while it is turning to apply a suitable instrument to the turned-down edge of the cover, thereby forcing the same against the annular rib of the can until it fits snugly against and encloses the same. It is important in putting up caustic alkali in packages that the latter should be strong throughout, and especially at the joints, otherwise the jars to which the cans are subjected during transportation are apt to cause displacement and distortions of the metal, which frequently result in leakages. It will be seen that the folds at the upper and lower ends of the body of the can, converted as they are by rolling, into rigid annular ribs, afford strength enough to resist any ordinary shocks, and to maintain the can in proper shape. Although I prefer the rounded form of rib illustrated in fig. 2, it may be made of the form seen in fig. 4.

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

The within-described can, composed of a sheet-iron cylinder with folded and compressed ends, and cover and bottom adapted to the said ends, all as set forth for the purpose specified.

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

H. EVERETT.

Witnesses:

JOHN WHITE,

W. J. B. DELANY.