

F. D. BRODHEAD.

Sectional Cans.

No. 157,369.

Patented Dec. 1, 1874.

Fig. 1.

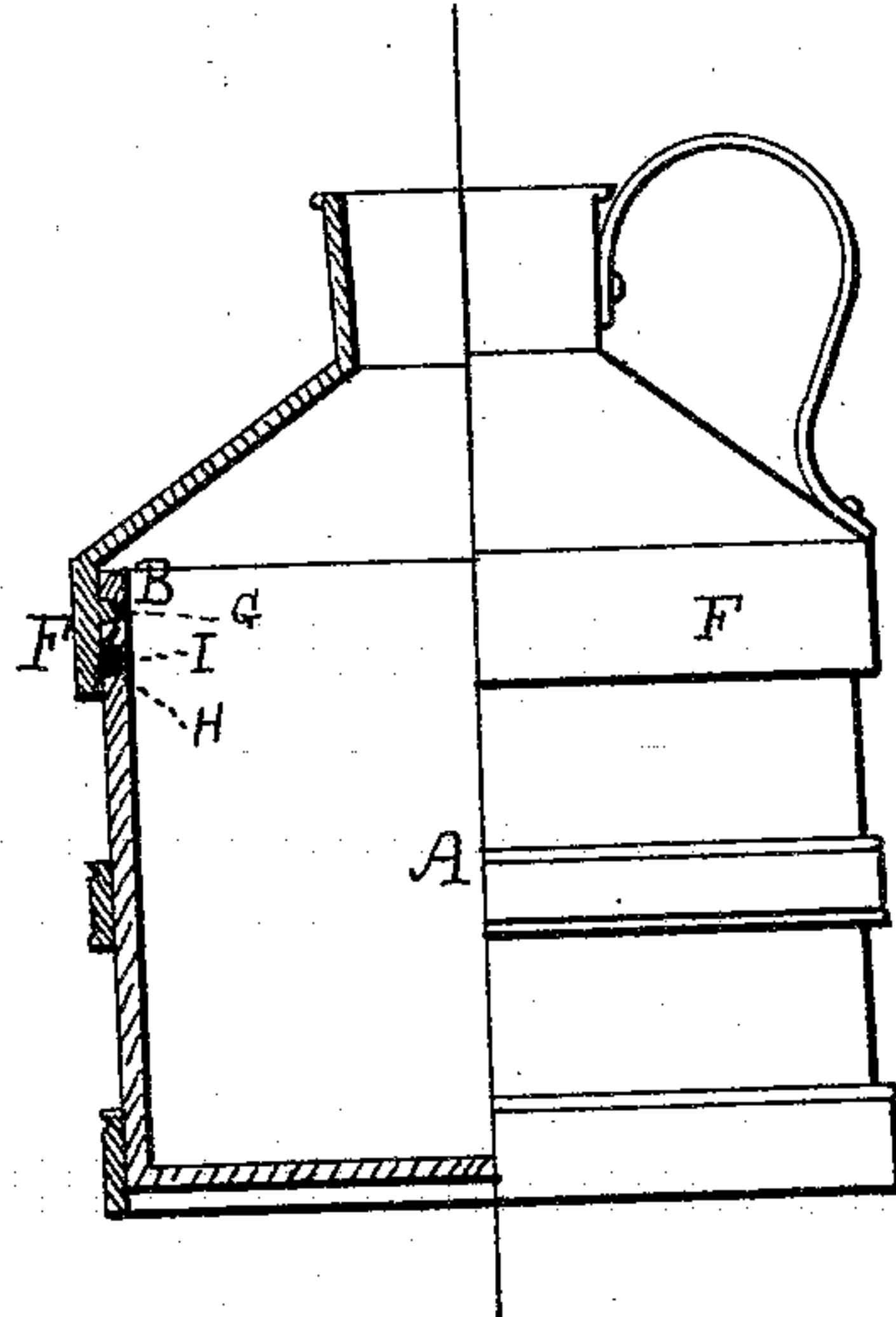


Fig. 2.

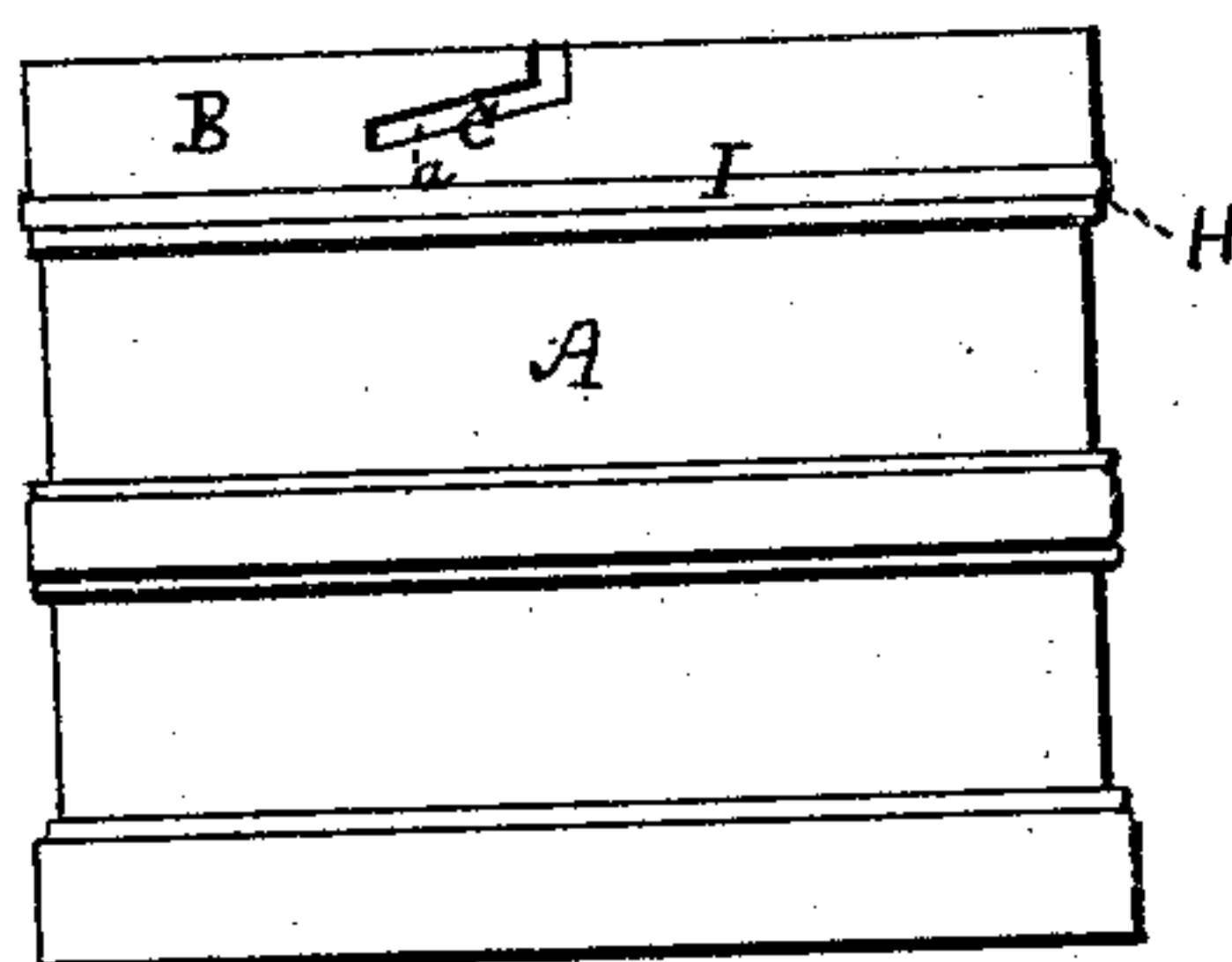
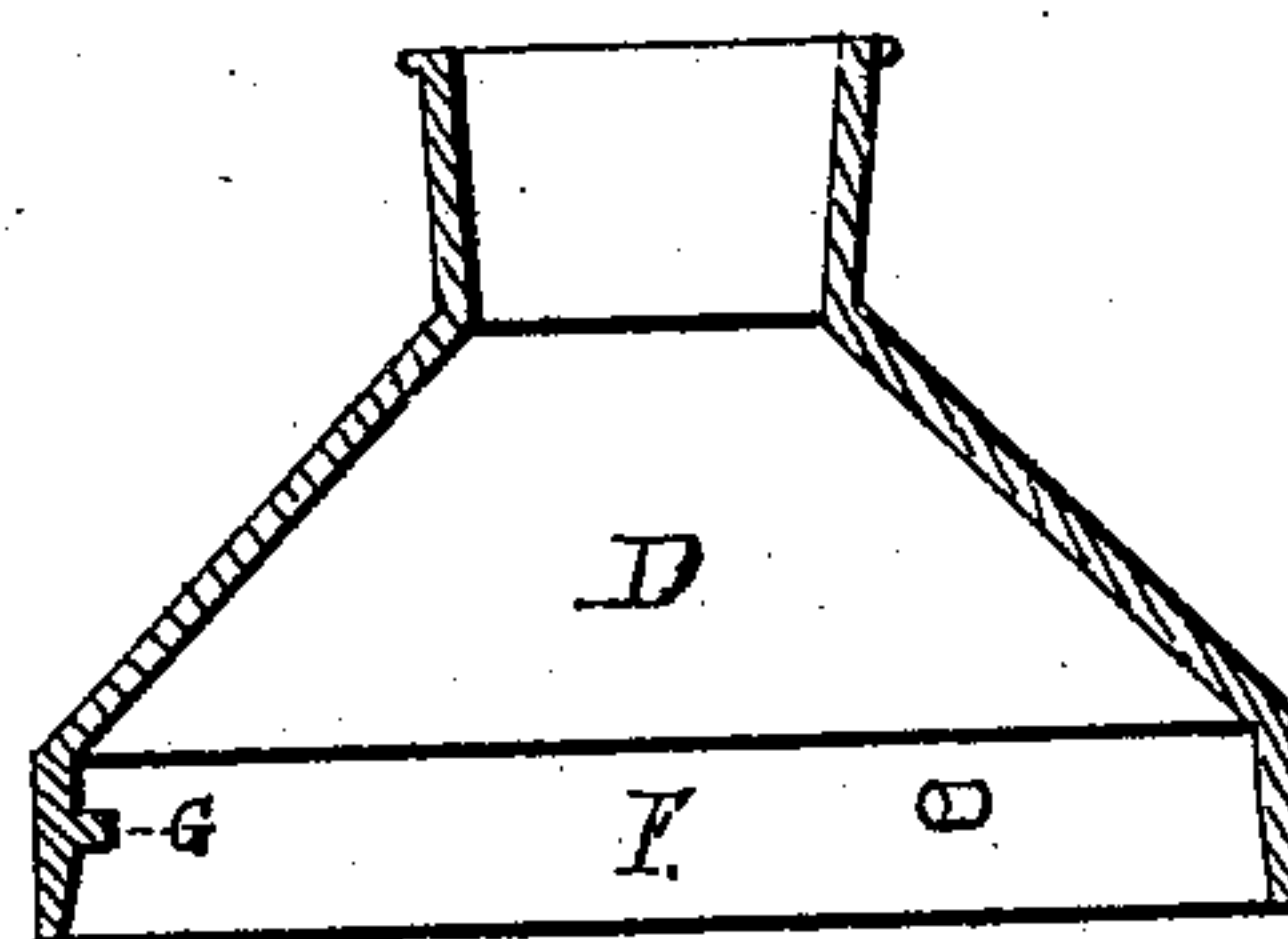


Fig. 3.



WITNESSES.

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UNITED STATES PATENT OFFICE.

FRANCIS D. BRODHEAD, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND ALBERT F. LAUTEN, OF SAME PLACE.

IMPROVEMENT IN SECTIONAL CANS.

Specification forming part of Letters Patent No. **157,369**, dated December 1, 1874; application filed October 19, 1874.

To all whom it may concern:

Be it known that I, FRANCIS D. BRODHEAD, of Boston, Suffolk county, Massachusetts, have invented a Sectional Can, of which the following is a specification:

This invention relates to a class of cans or kindred vessels in which the top is closed by a mouth so contracted that a person's hand cannot be introduced for the purpose of thoroughly cleansing the interior, a prominent class of cans to which my improvement is applicable being milk and oyster cans.

My invention consists, in the main, in making the upper part or breast of the can, which bears the contracted filling-tube or mouth, separate and independent from the main body of the can, in order that the two may be readily separated and both readily and thoroughly cleaned, the details of my improvement consisting in the method by which I securely lock the two parts of the can together, and in the employment of an elastic washer or packing to prevent escape of liquids from the interior of such can.

The drawings accompanying this specification represent, in—

Figure 1, a sectional elevation of a milk or oyster can embodying my improvements. Fig. 2 is a side elevation of the body of the can, and Fig. 3 a vertical section of the upper or cover portion thereof.

In carrying out my object I produce a straight cylinder, A, of tin or other metal, to which add a bottom after the ordinary manner of manufacturing tin cans. To the top of the cylinder or vessel A, and surrounding its mouth, I add a band or ring, B, and in this band I create two or more channels or notches, C, which resemble the channel of ordinary "bayonet-connection," the longer portion *a* of this channel C being obliquely disposed with respect to the top of the can. D in the drawings represents the upper portion or breast of the can, which is frusto-pyramidal in form, or of any other desired shape, the tubular orifice

or mouth of such cap (which is usually filled with a cork) being shown at E. The lower boundary or mouth of the cap D is to be re-enforced with a band, F, and from the inner face of this band two or more lateral spurs, G, project, these spurs being of such size and so disposed as to intercept and act in conjunction with the notches or channels C, and serve thereby to lock the cap to the can after the manner of attaching a bayonet to a gun-barrel, and as will be readily understood. Immediately below the notch or channel C I create in the band or re-enforce B an annular groove, H, and within this groove I squeeze a ring or band, I, of india-rubber or other elastic water-proof material. The lower portion of the band incloses the elastic ring or packing I so tightly as to prevent any escape of liquid from the interior of the can; and to insure a perfectly-tight joint at this place I make the outer periphery of the elastic ring somewhat greater than the inner periphery of the ring, in order that the rubber shall be compressed to a greater or less extent.

The purpose of the inclined groove C is to force or crowd the band F tightly about the packing; and the mouth of the band may be flaring at bottom, as shown in Fig. 1 of the drawings, in order that, when lowered about the said ring I, it shall inclose it with great pressure.

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

A can with a separate and removable breast that carries the contracted mouth, and fits and connects with the lower or main portion of the can, substantially as shown and set forth.

FRANCIS D. BRODHEAD.

Witnesses:

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ALBERT F. LAUTEN,
W. E. BOARDMAN.