

(Model.)

H. R. FRENCH.

BUTTER TUB.

No. 367,384.

Patented Aug. 2, 1887.

Fig. 1.

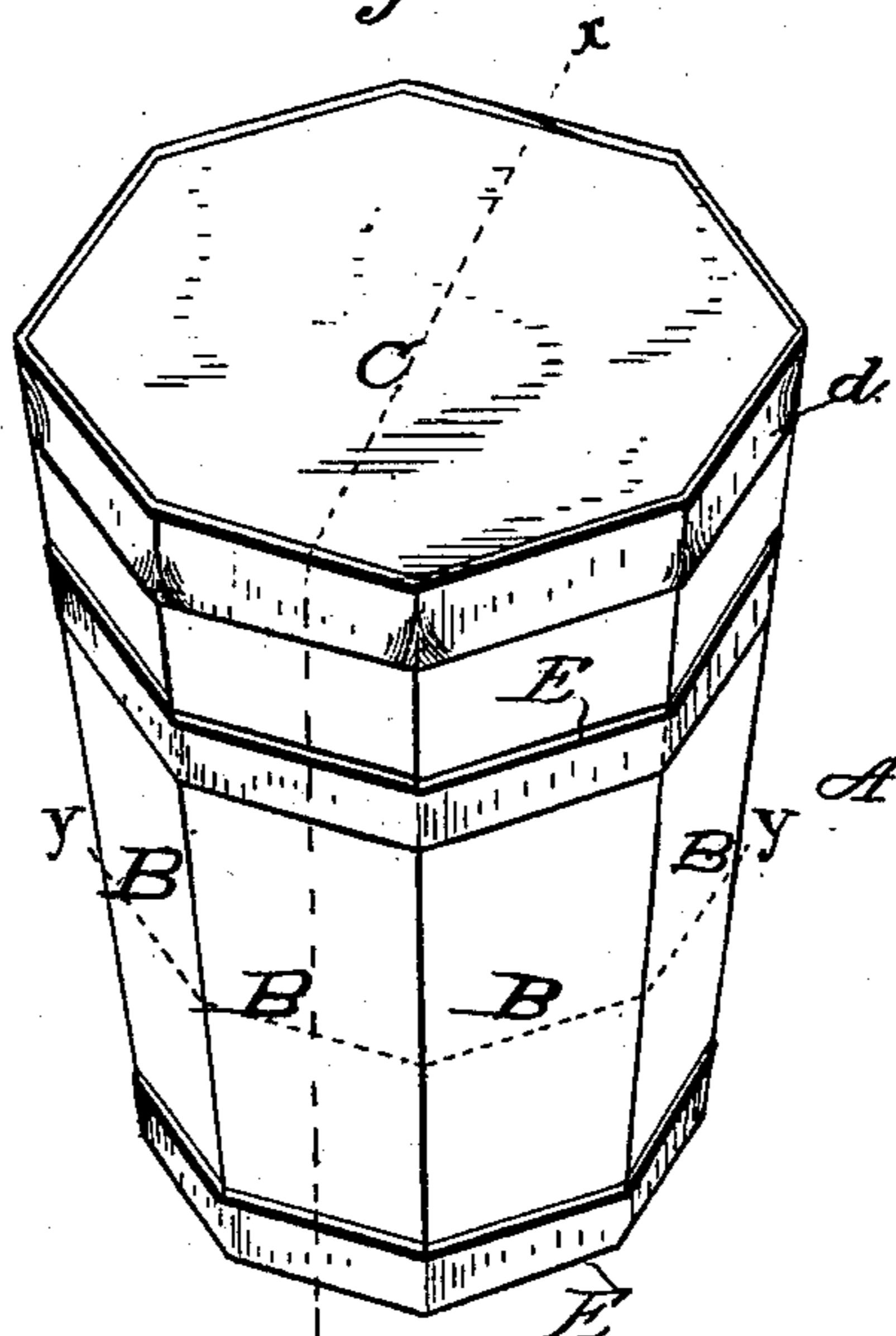


Fig. 2.

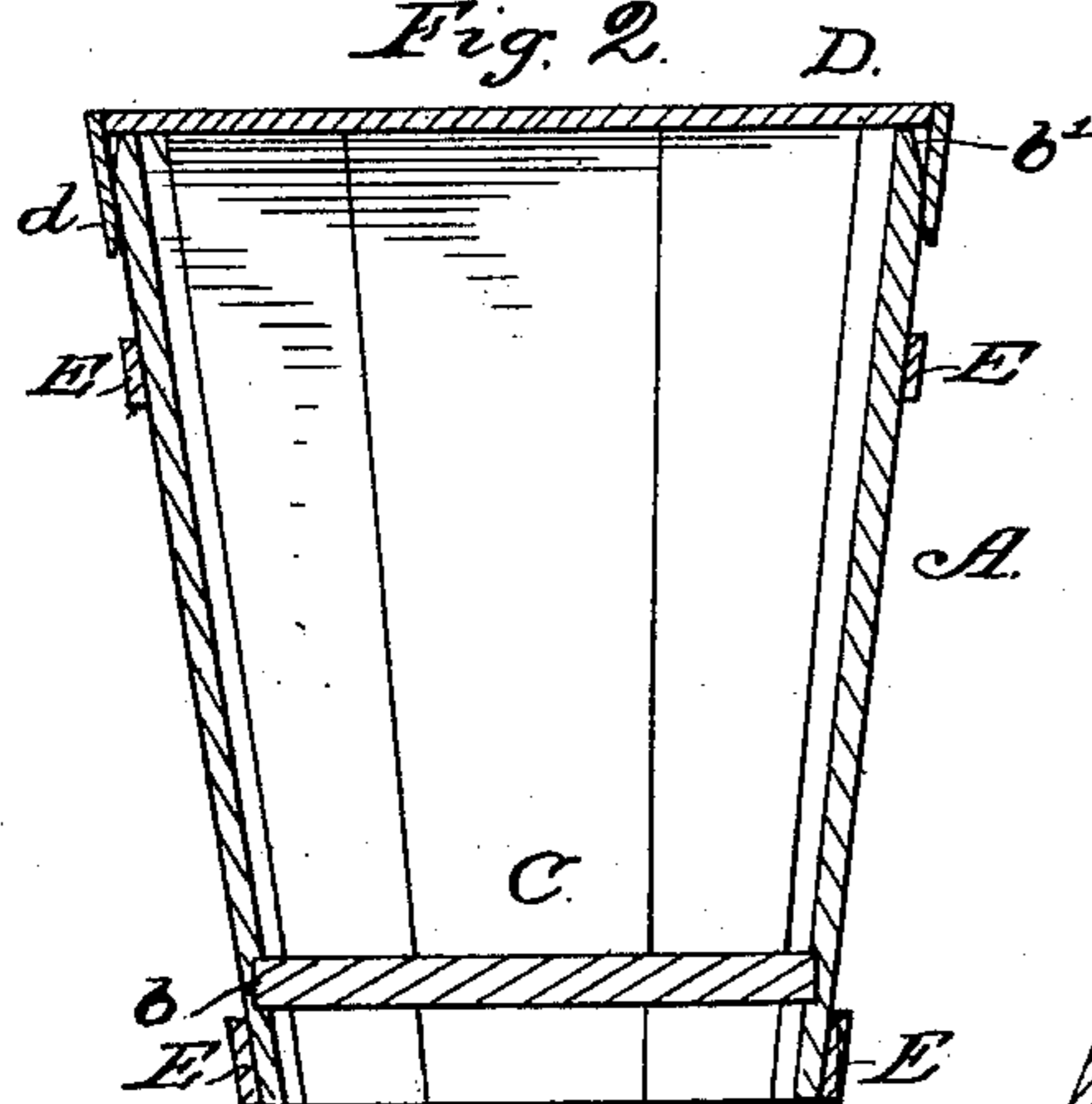


Fig. 3.

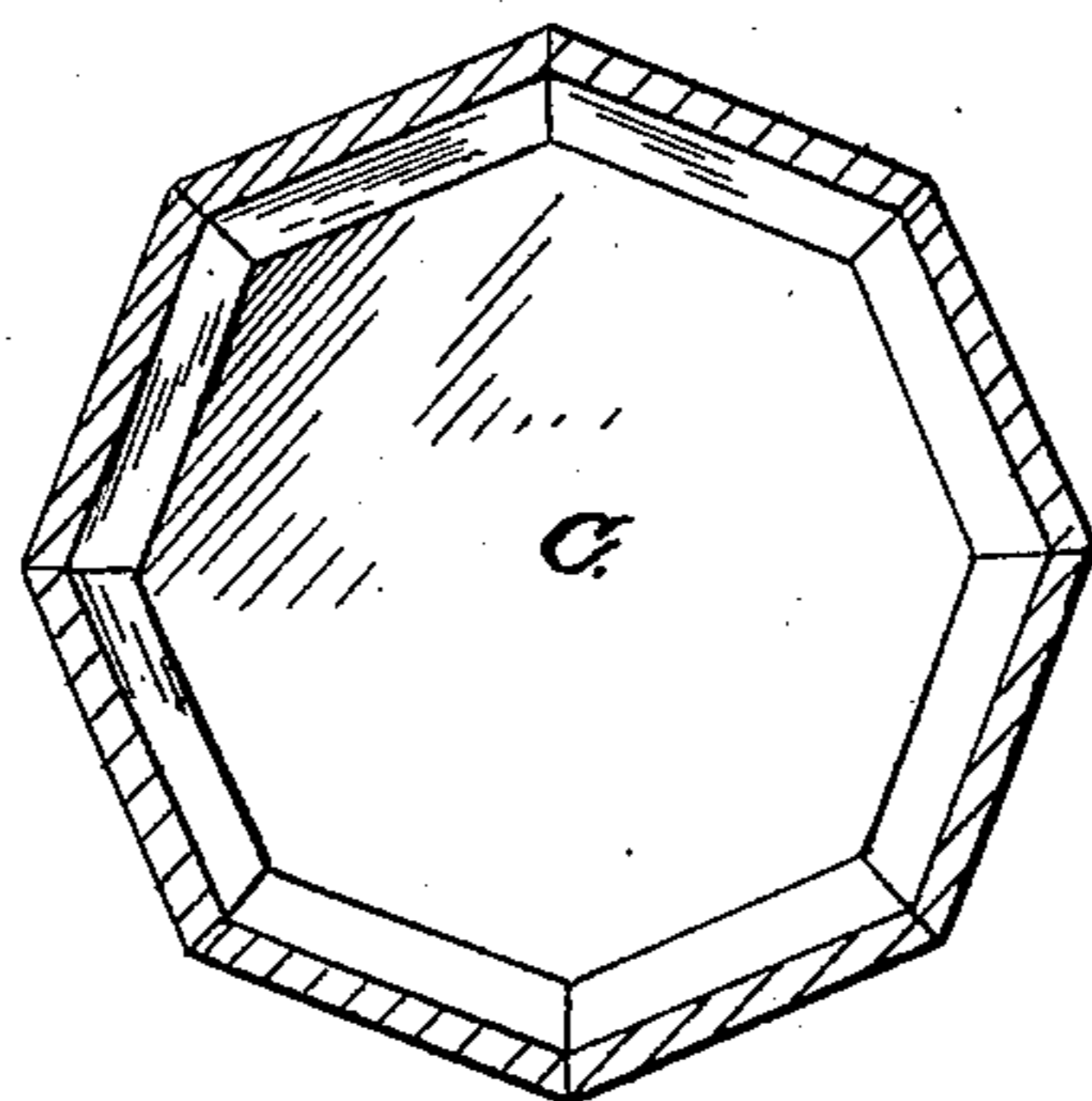
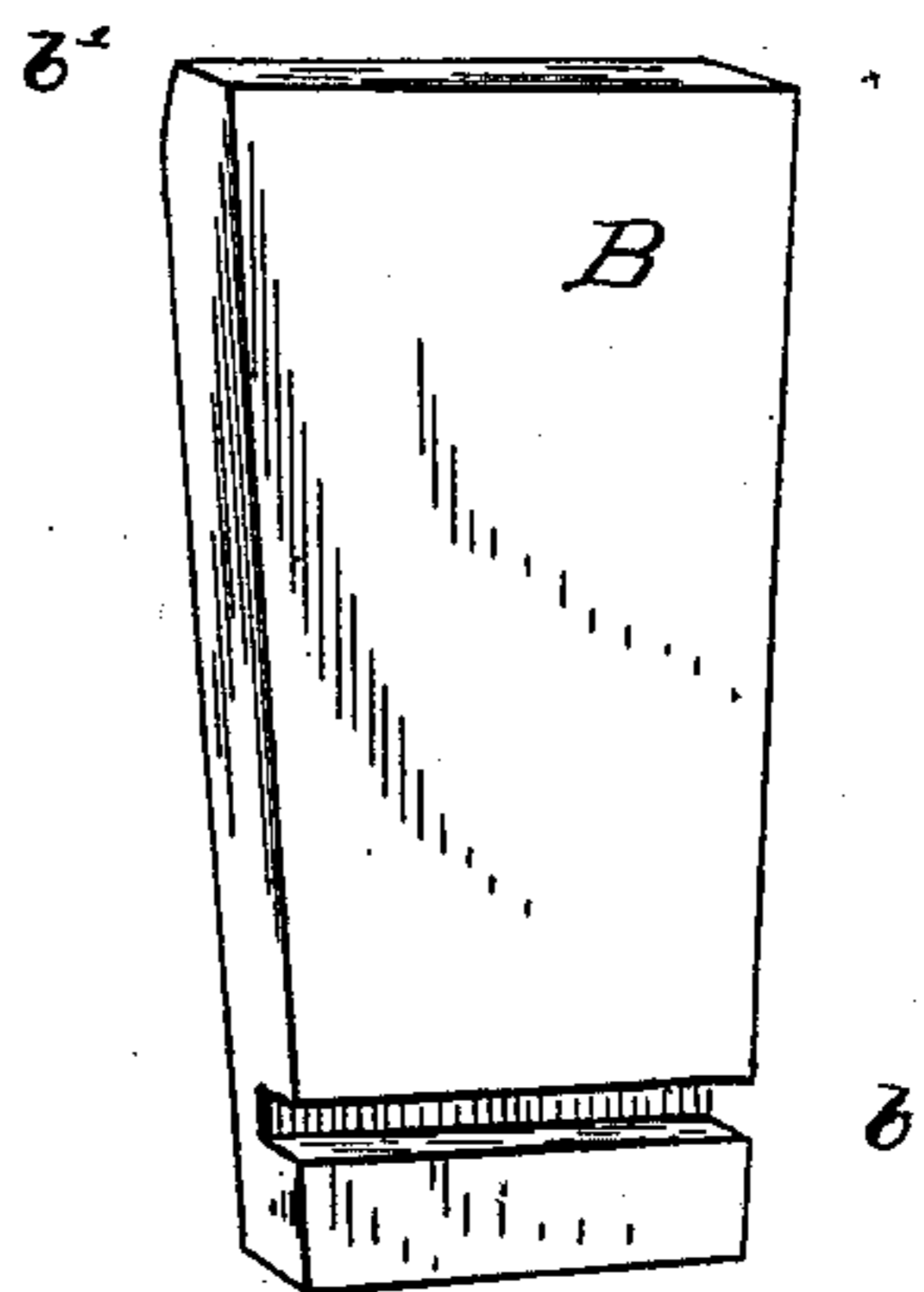


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

HEMAN R. FRENCH, OF WATERBURY, VERMONT, ASSIGNOR TO GEORGE E. DUMAS, OF SAME PLACE.

BUTTER-TUB.

SPECIFICATION forming part of Letters Patent No. 367,384, dated August 2, 1887.

Application filed January 6, 1886. Serial No. 187,809. (Model.)

To all whom it may concern:

Be it known that I, HEMAN R. FRENCH, a citizen of the United States, residing at Waterbury, in the county of Washington and State of Vermont, have invented certain new and useful Improvements in Butter-Tubs; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to vessels for transporting merchandise in small packages, and is particularly designed as an improvement in tubs for the transportation of butter, lard, or similar commodity, the tubs being preferably of wood and of that class commonly termed "knockdown tubs."

The object of the improvement is the construction of a tub and cover which will be both simple and economical in cost, and which will permit the cover to be applied to the tub and be firmly and positively held thereon without nailing or any other extra securing devices.

The improvement consists in having the tub or vessel polygonally-sided, the sides being divergent, and a correspondingly-sided cover having a rim crimped opposite the angle between each two sides of the cover for contracting the lower edge of the rim, which edge is adapted to be sprung over and embrace the top edge of the tub, as will be more fully hereinafter set forth and claimed.

In the drawings, Figure 1 is a perspective view of my tub with the cover in place. Fig. 2 is a transverse sectional view of the same on the line *xx* of Fig. 1. Fig. 3 is a horizontal sectional view on the line *yy* of Fig. 1. Fig. 4 is a view of one of the staves.

The polygonally-shaped tub or vessel A is made of suitable material, preferably wood, which is cured by steaming it forty-eight hours, which removes all taste and smell. It may have any number of sides, more or less than that shown, which has eight, making an octagon-shaped tub. Each side, B, has a croze, *b*, near its lower end on its inner side, and a

rounded or chamfered edge, *b'*, on its upper end. The edges of each stave diverge from the lower to the upper edge, so that when put together the vessel will be larger at its upper edge, with its outer wall near its upper edge diverging.

The bottom *c* is fitted in the groove formed by the croze in each stave.

The cover D is many sided and of a shape corresponding to the vessel in cross-section, and has a flange, *d*, of suitable material depending therefrom. The flange inclines inwardly, corresponding to the outward inclination of the tub, and is crimped opposite the angle between each two of the sides of the cover for contracting the lower edge of the rim.

The vessel or tub when set up is held by hoops E, and its upper outer edge is slightly rounded or chamfered. Owing to the outward taper of the vessel and the corresponding inward taper of the flange of the cover, which is made to fit snugly, the cover can be applied only by the application of force, which causes the flange of the cover to be sprung over the upper edge of the tub, when it will be securely held in place and a close fit insured, as is manifest. By reason of the rounded edge *b'* the cover may be partially placed on the tub and a purchase obtained for forcing the same home.

By my construction the greater the outward pressure on the sides of the tub the tighter and closer will be the fit of the cover. The cover, while held from accidental displacement, can be readily removed by the application of an upward force on the flange or rim *d*. The flange of the cover prevents the spreading of the upper edge of the tub, and, being made preferably of a single straight strip of sheet metal, can be readily applied to the cover, and when applied that portion of the flange opposite the angle formed between each two of the sides is crimped to permit that portion of the flange between the angles to lie close to or against the sides of the staves, as will be readily appreciated.

While I have shown the upper outer edge of the tub rounded, it is evident that the desired result would be attained by rounding the inner lower edge of the rim of the cover; but the form shown is preferred.

Having thus described my invention, what

I claim, and desire to secure by Letters Patent, is—

5 The combination, with the polygonally-sided tub composed of a bottom and divergent staves and the correspondingly many-sided cover, of the rim depending from the cover and crimped opposite the angle between each two sides thereof for contracting its lower edge, which edge is adapted to be sprung over

and embrace the top edge of the tub, substantially as described, and for the purposes specified. 10

In testimony whereof I affix my signature in presence of two witnesses.

HEMAN R. FRENCH.

Witnesses:

WILLIAM W. LOWE,
E. A. PHELPS.