

(Model.)

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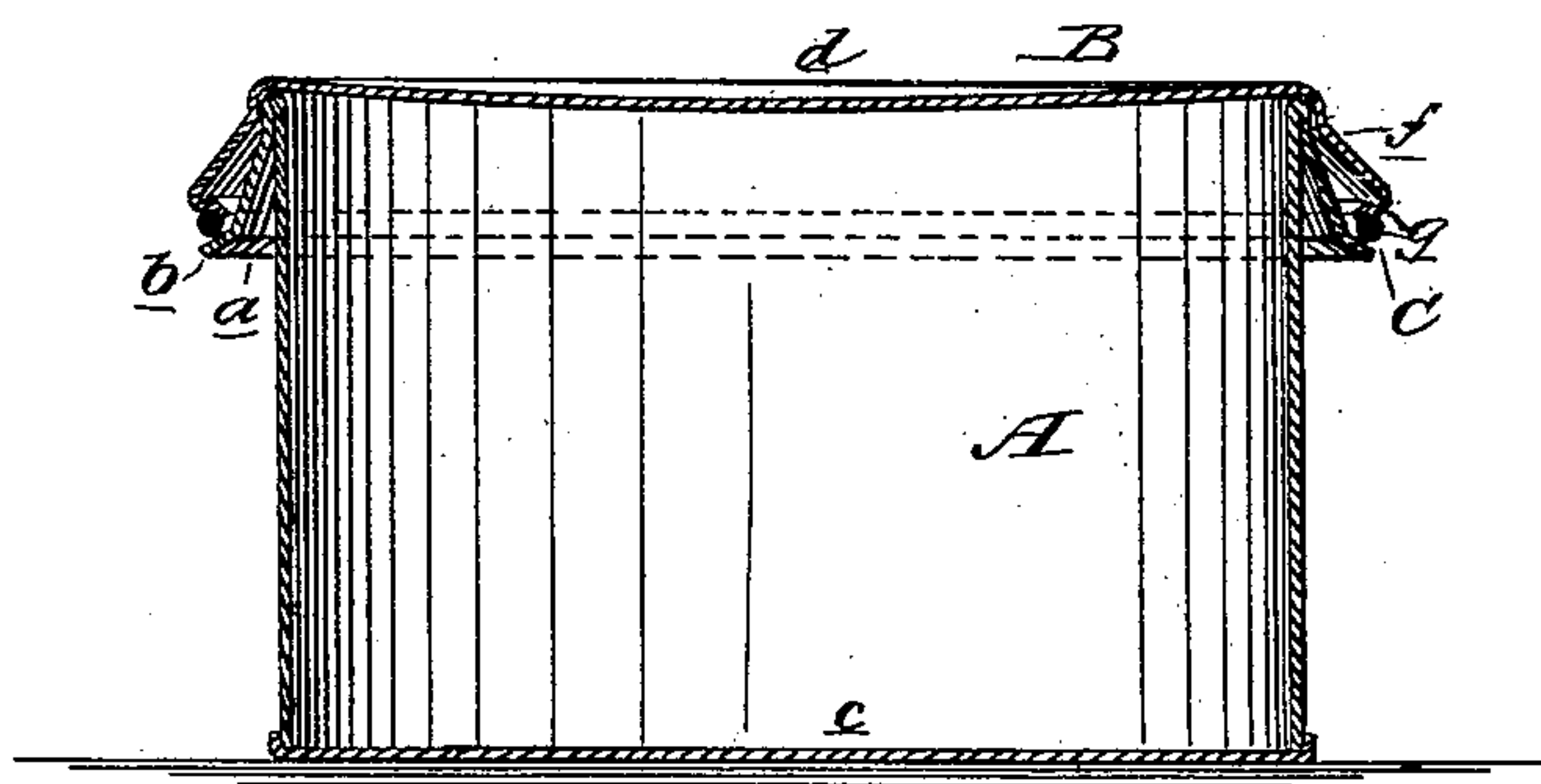
N. F. HARRIS & M. THOENI.

CAN.

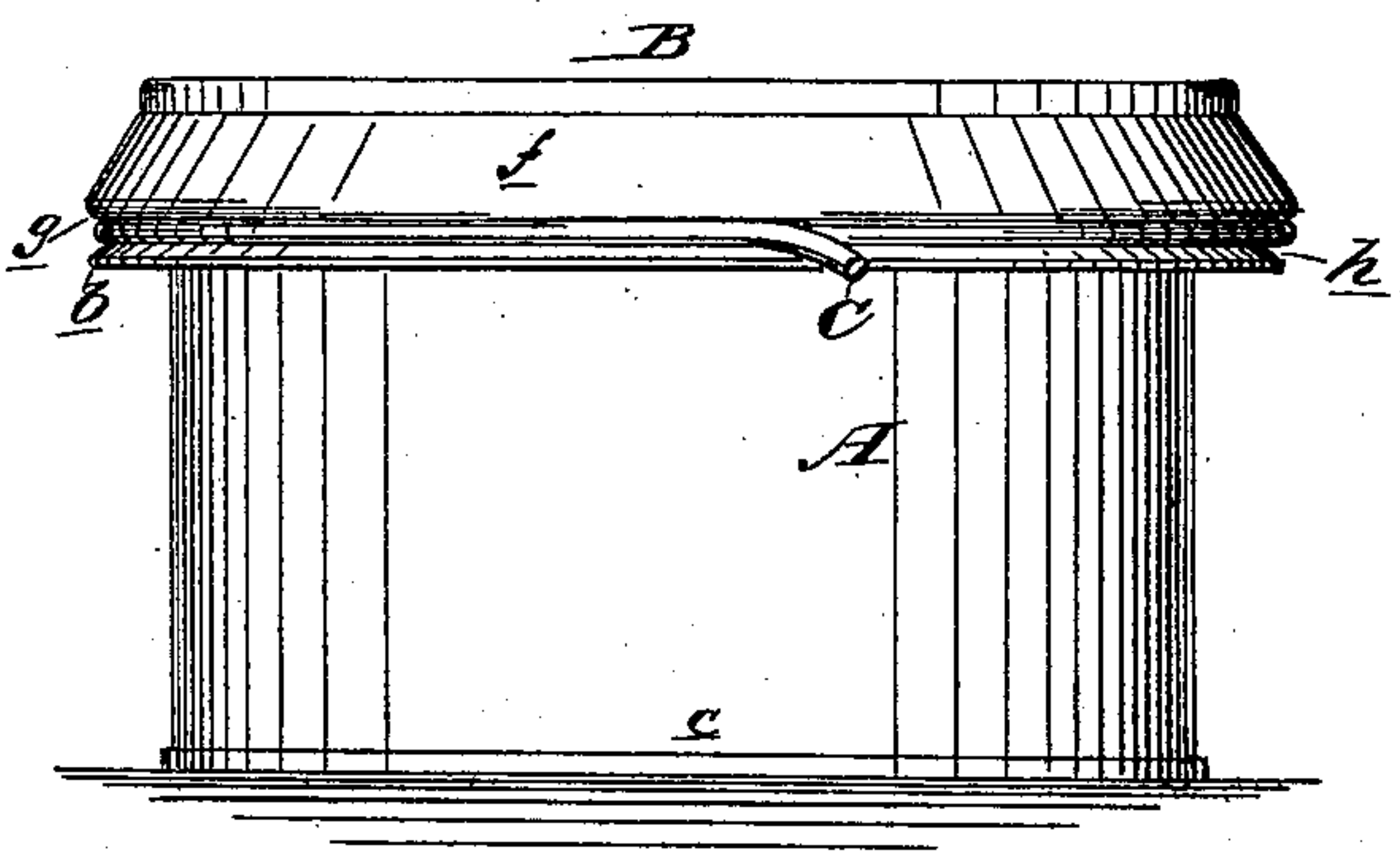
No. 247,053.

Patented Sept. 13, 1881.

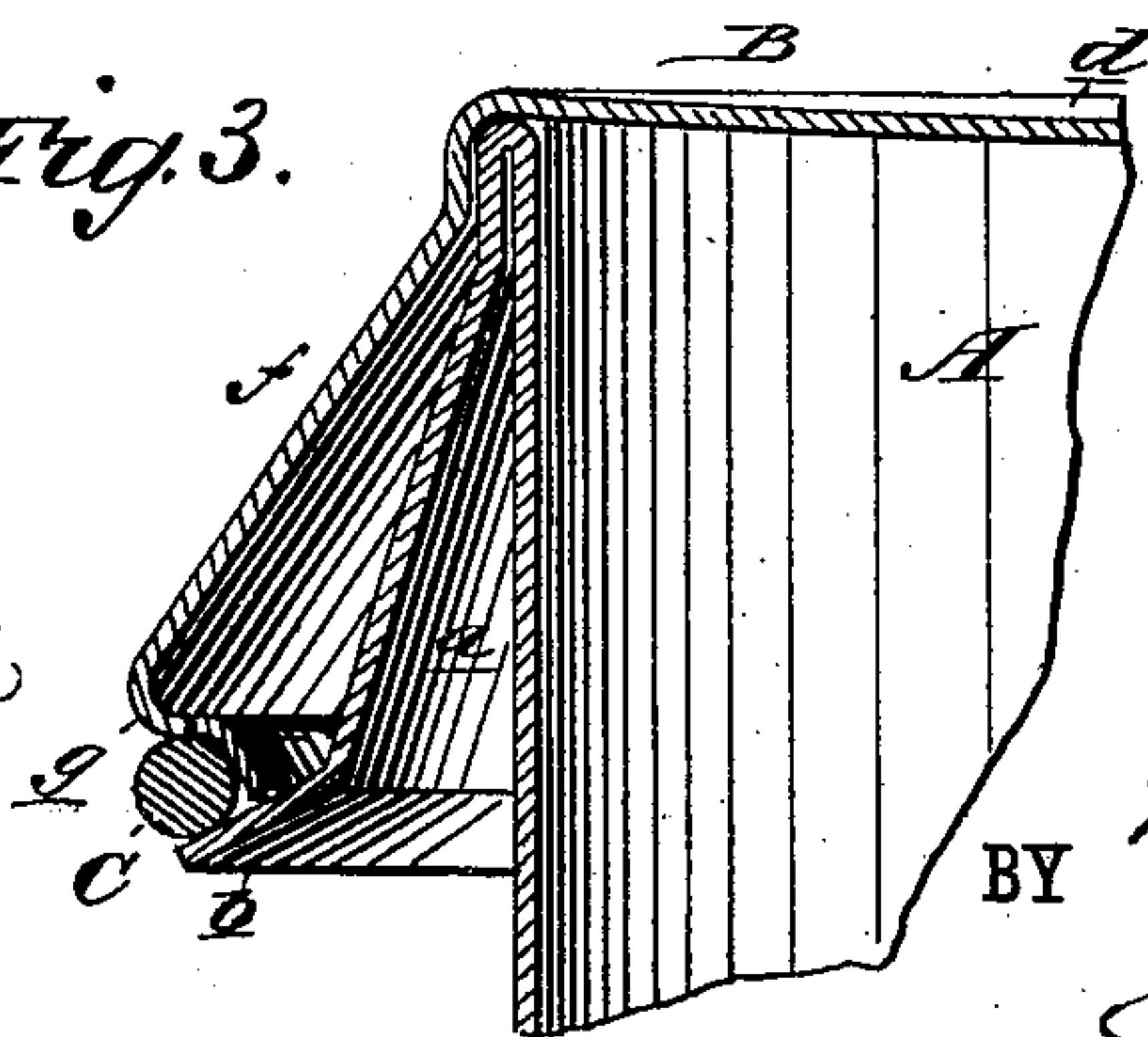
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES:

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(Model.)

2 Sheets—Sheet 2.

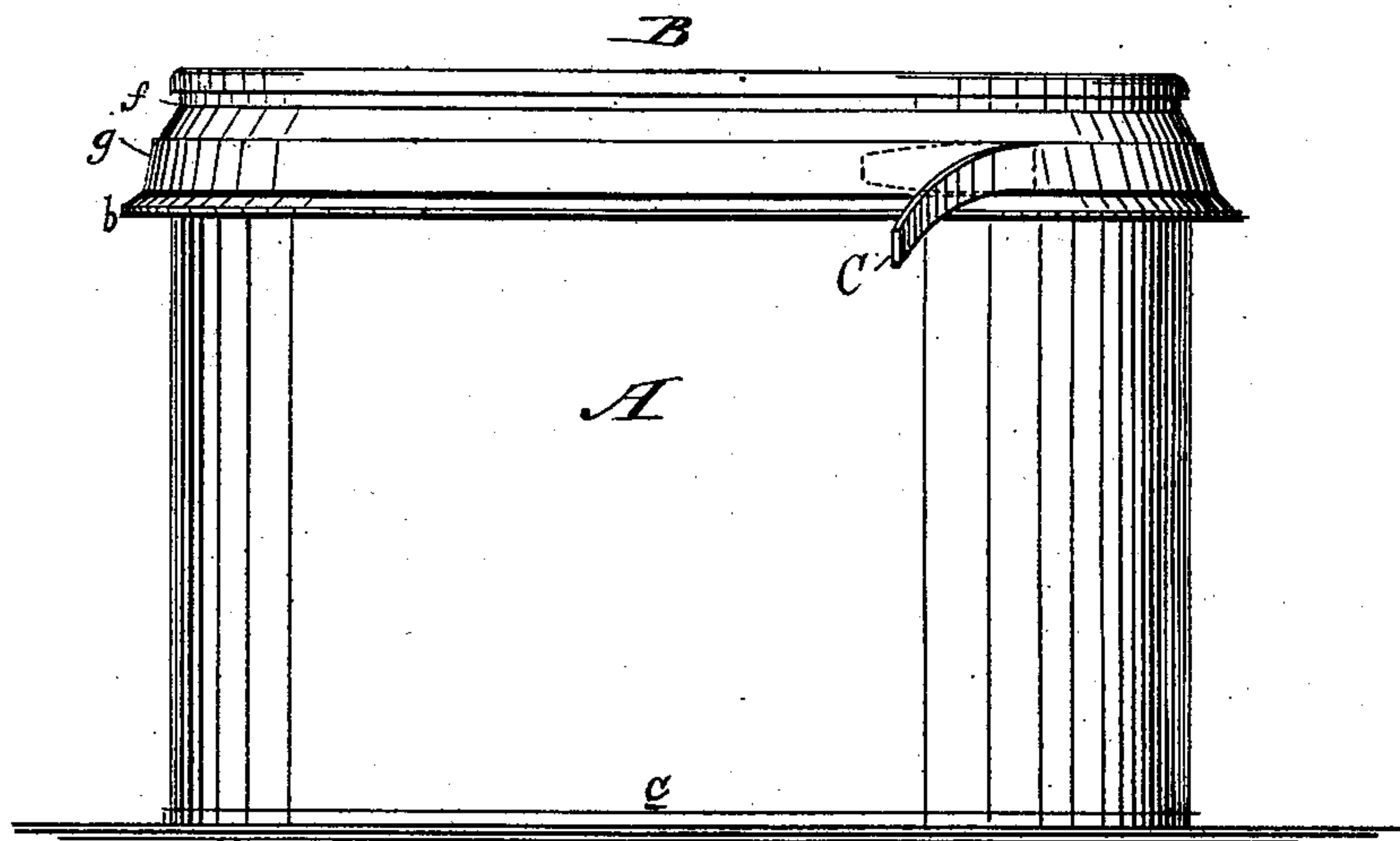
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CAN.

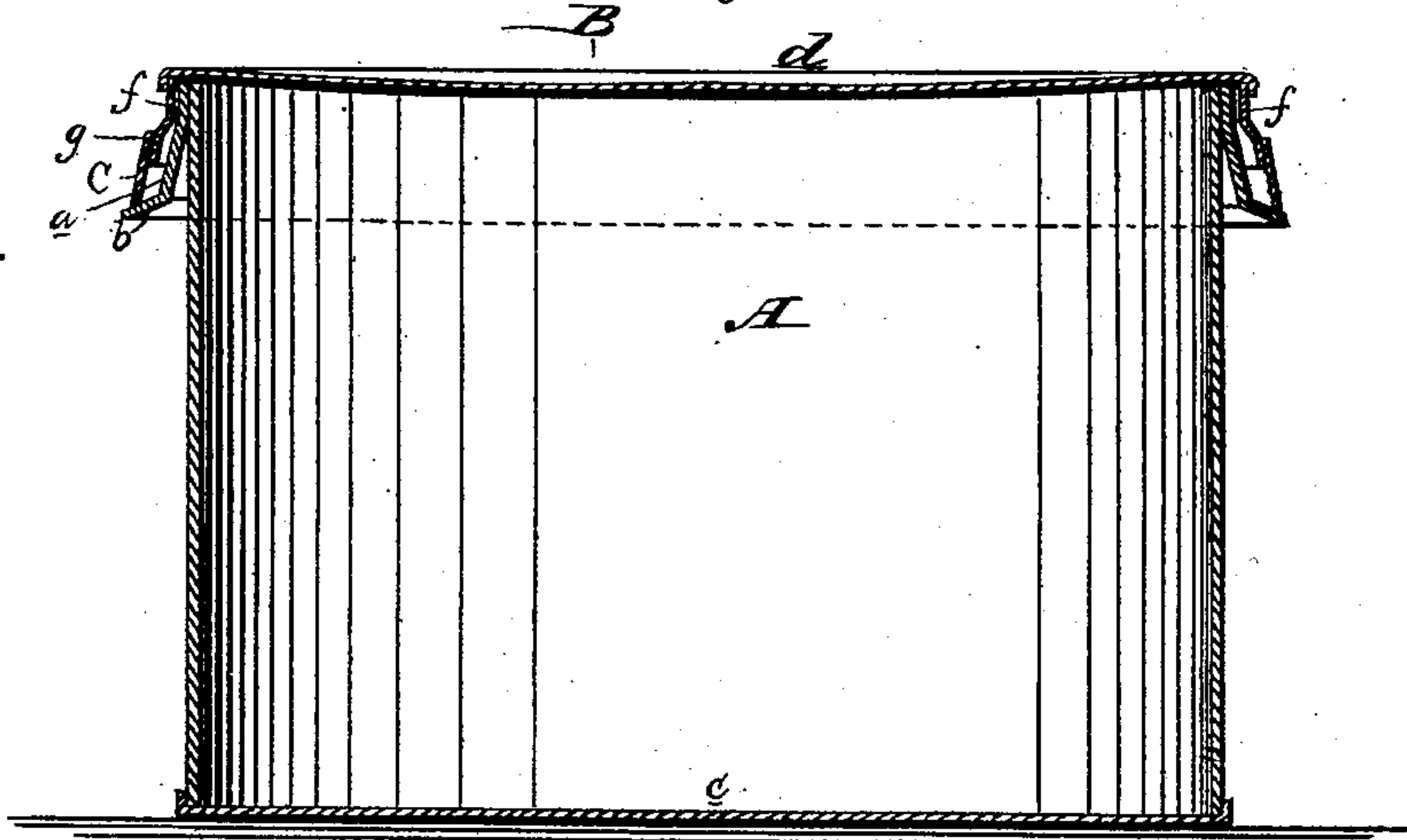
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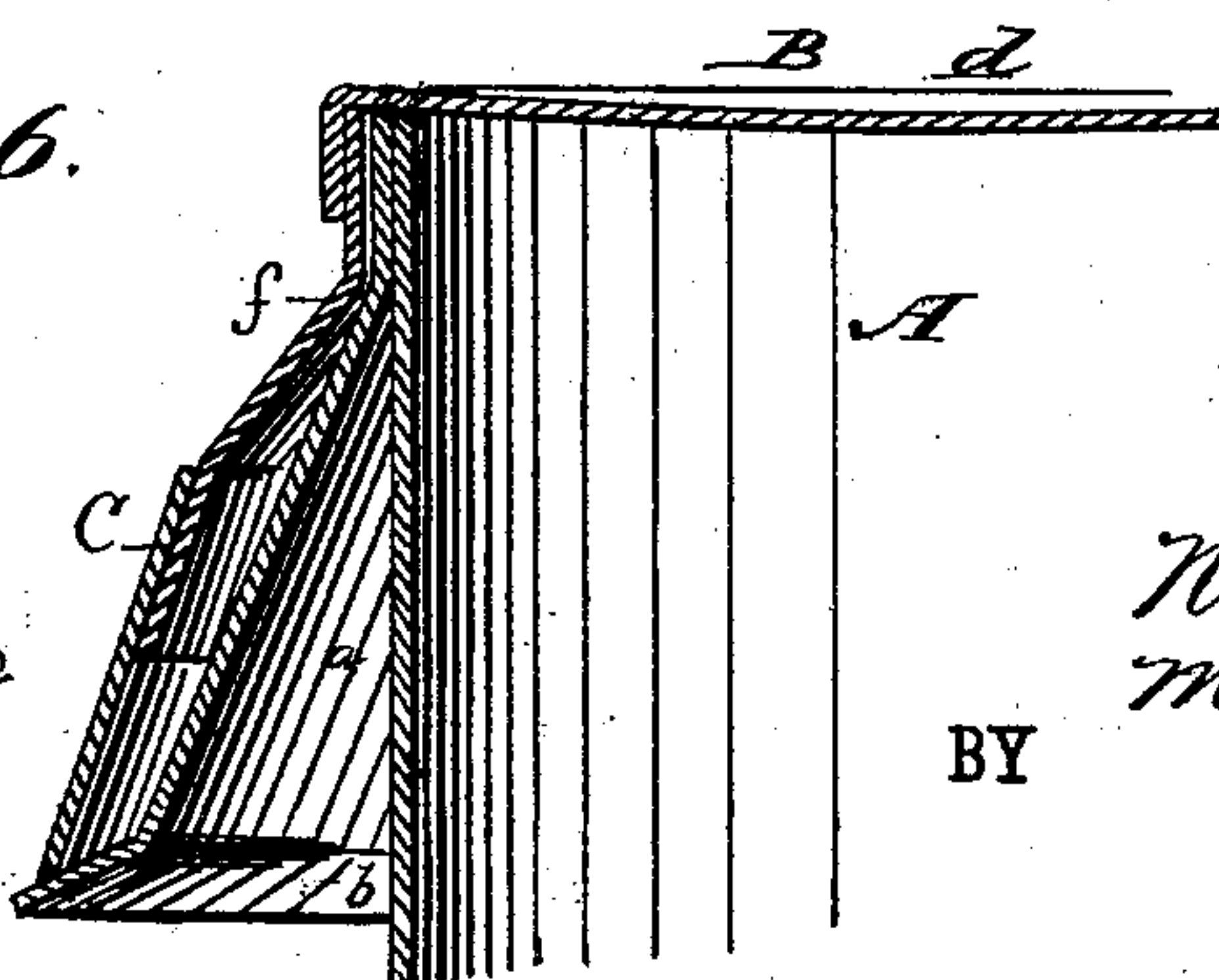
*Fig. 4.*



*Fig. 5.*



*Fig. 6.*



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# UNITED STATES PATENT OFFICE,

NATHANIEL F. HARRIS AND MARTIN THOENI, OF MONTICELLO, IOWA.

## CAN.

SPECIFICATION forming part of Letters Patent No. 247,053, dated September 13, 1881.

Application filed March 29, 1881. (Model.)

*To all whom it may concern:*

Be it known that we, NATHANIEL F. HARRIS and MARTIN THOENI, of Monticello, in the county of Jones and State of Iowa, have invented a new and Improved Can, of which the following is a specification.

The object of this invention is to provide an improved metal can for packing butter, &c., so constructed that air shall be completely excluded from the contents when the cover is soldered on, and so that the molten solder shall not heat the contents, and so that the cover can be easily unsoldered without injury to the can.

Figure 1 is a sectional elevation of the can. Fig. 2 is an elevation of the same, showing the wire in position. Fig. 3 is an enlarged sectional elevation of a portion of the can with wire in position. Fig. 4 is an elevation of a modification of the same, showing a stripping-tin in position instead of wire. Fig. 5 is a sectional elevation of the same. Fig. 6 is an enlarged sectional elevation of a portion of the same.

Similar letters of reference indicate corresponding parts.

In Figs. 1, 2, and 3 of the accompanying drawings, A represents the body of the can, whose top is turned over outwardly and downward and made flaring by stretching, as shown at *a*, its edge *b* being turned or flanged outwardly at an angle of forty-five degrees, or thereabout, to afford better support for the stripping-wire C, and when the cover B is thus in place a space is formed between the rim *f* of cover B and the rim *b* of the can-body A, that prevents the solder which is applied over the wire C from soldering the cover B and can A together at that place. The bottom *c* of the can has its edge turned up and is fitted on the outside of the body A and soldered thereto on the inside, thus making a smooth joint at that part. The cover B has a slightly-concave top, as shown at *d*, and an outwardly-flaring rim, *f*, whose lower edge is bent or turned inward, as shown at *g*, so that when said cover B is in place on the can the edge *b* of the body A and the edge *g* of the cover B form an annular groove, *h*, for the reception of the stripping-wire C. When the can-body A is filled with butter or other substance the cover B is put on, and its center pressing upon the contents of the can forces the surface portion thereof outwardly from the center, thereby also forcing out all the air that would otherwise re-

main between the contents of the can and the can-cover. The cover B being in place, the stripping-wire C is laid in the groove *h*, with one end projecting, as shown in Fig. 2, and then the can is sealed by applying solder over the wire C in the groove *h*. The flaring top, *a*, of the can-body A sets off so far from said body A that the heat from the soldering-tools and melted solder does not penetrate the can to affect the contents thereof.

In Figs. 4, 5, and 6 is shown a modification of the can A, wherein the rim *a* extends straight down for a short distance before flaring, as shown at *m*, and has its lower edge turned outwardly at an angle of forty-five degrees, or thereabout, as shown at *b*, to afford better support for the stripping-tin C, which is a narrow strip of tin sometimes used in preference to a stripping-wire, C, because more easy of application. The cover B is slightly concave, as shown at *d*, and has a rim, *f*, that extends straight down for a short distance and then flares, as shown at *g*, to correspond with the upper portion of the rim *a*, the lower edge of said cover-rim *f* reaching to within a short distance of the lower outwardly-turned edge *b* of the said can-rim *a*. When the cover B is in place the stripping-tin C is laid in place, with its lower edge resting on the flange *b* of the can-body A, and its upper edge against the part *g* of the cover-rim *f*, and then the can is sealed by applying solder over the stripping-tin C. The said cover-rim is also flared for the purpose of forming a space, *t*, between it and the can-rim, to prevent the soldering together of the cover B and can A at that point. The can is opened by taking hold of the free exposed end of the wire or stripping-tin C and pulling it, so as to strip off the solder that has been applied over it.

Having thus fully described our invention, we claim as new and desire to secure by Letters Patent—

In a can, the combination, with the body A, provided with outwardly-flaring rim *a*, and the cover B, having flaring rim *f*, said rims being arranged with a space between them, of a stripping device, C, soldered to the two rings, as and for the purpose specified.

NATHANIEL F. HARRIS.  
MARTIN THOENI.

Witnesses:

GEO. W. LOVELL,  
J. R. STILLMAN.