

(No Model.)

C. H. P. LEVÊQUE DE VILMORIN.

MEANS FOR HERMETICALLY CLOSING JARS, &c.

No. 378,498.

Patented Feb. 28, 1888.

FIG. 1

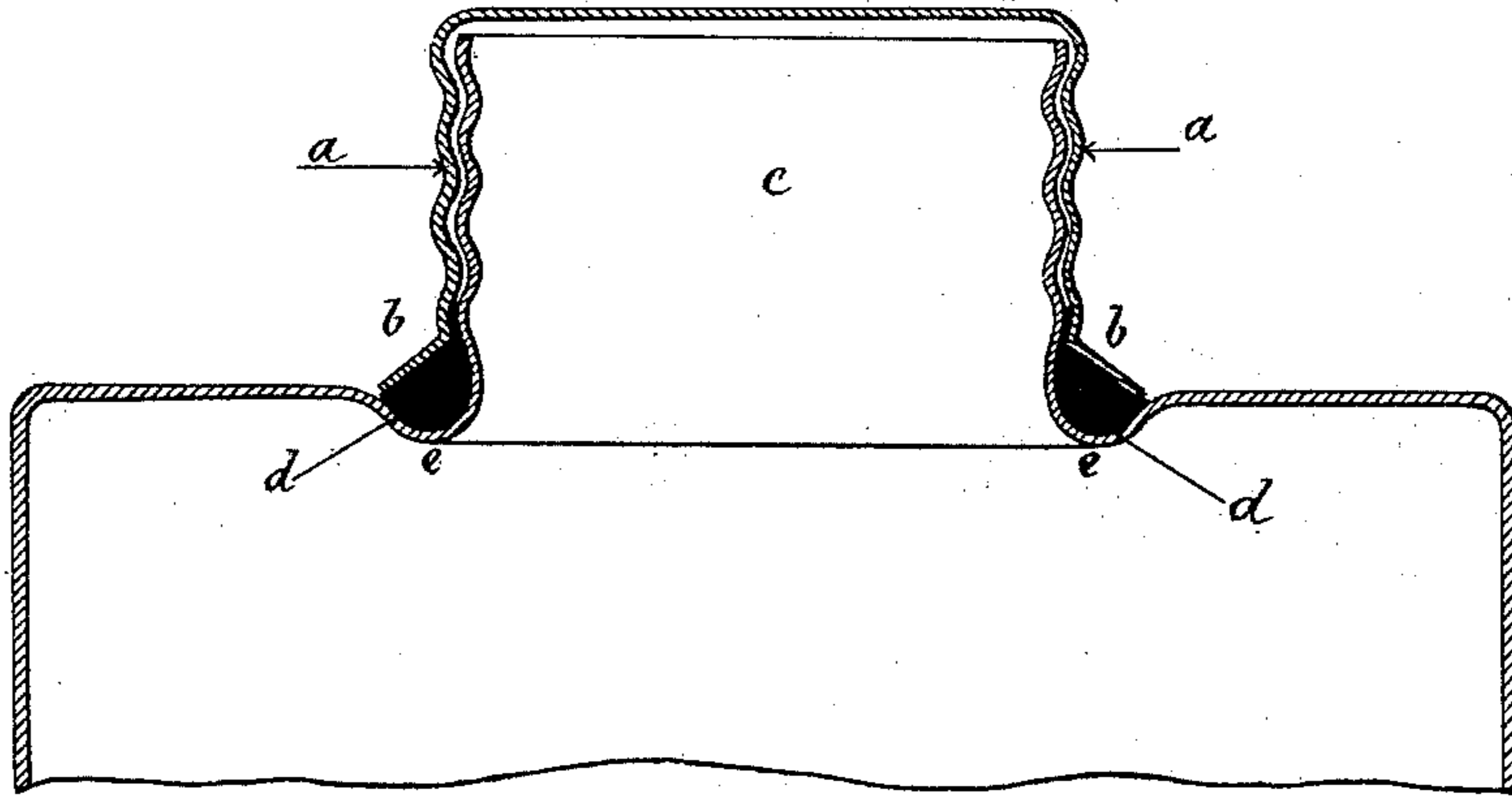


FIG. 2

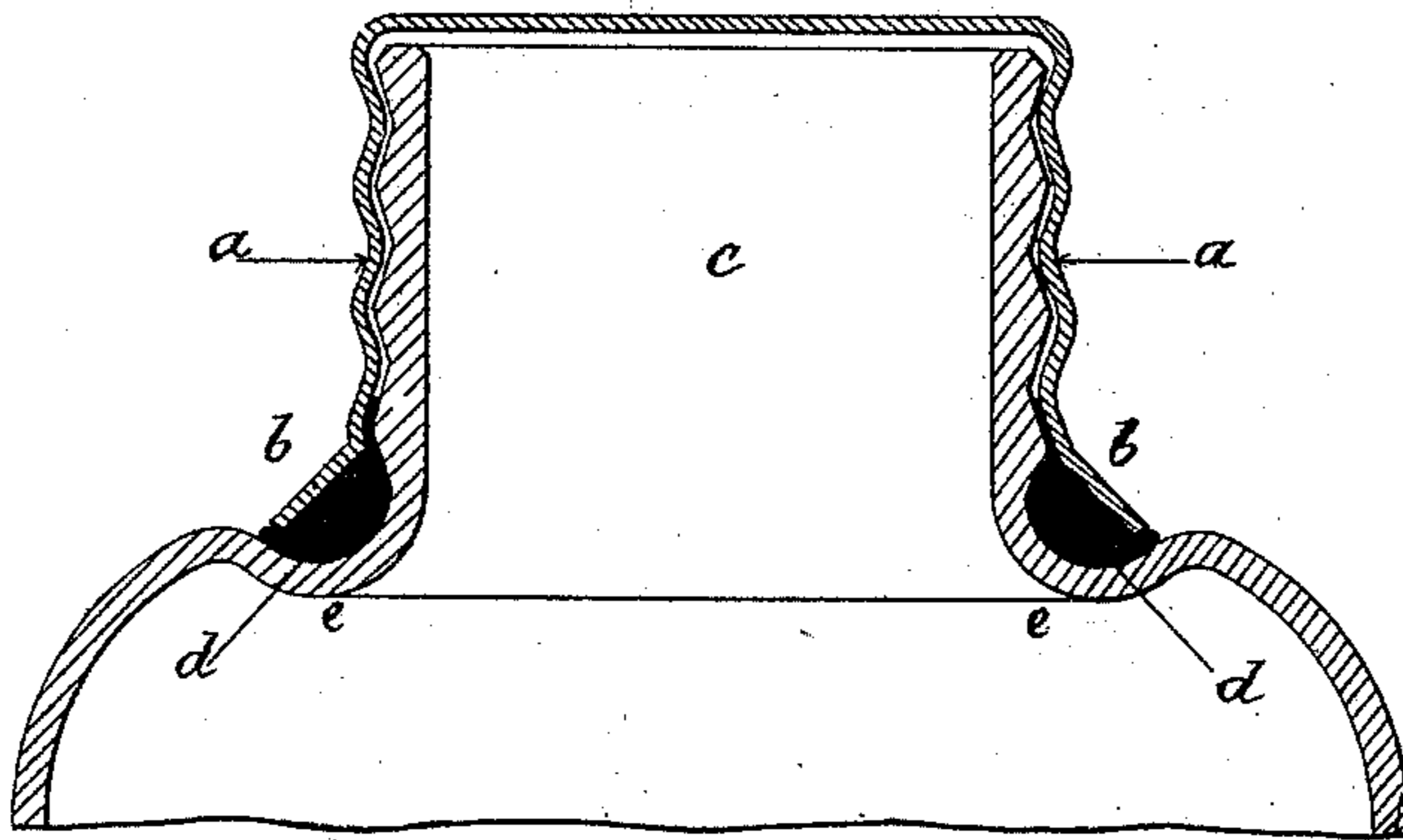
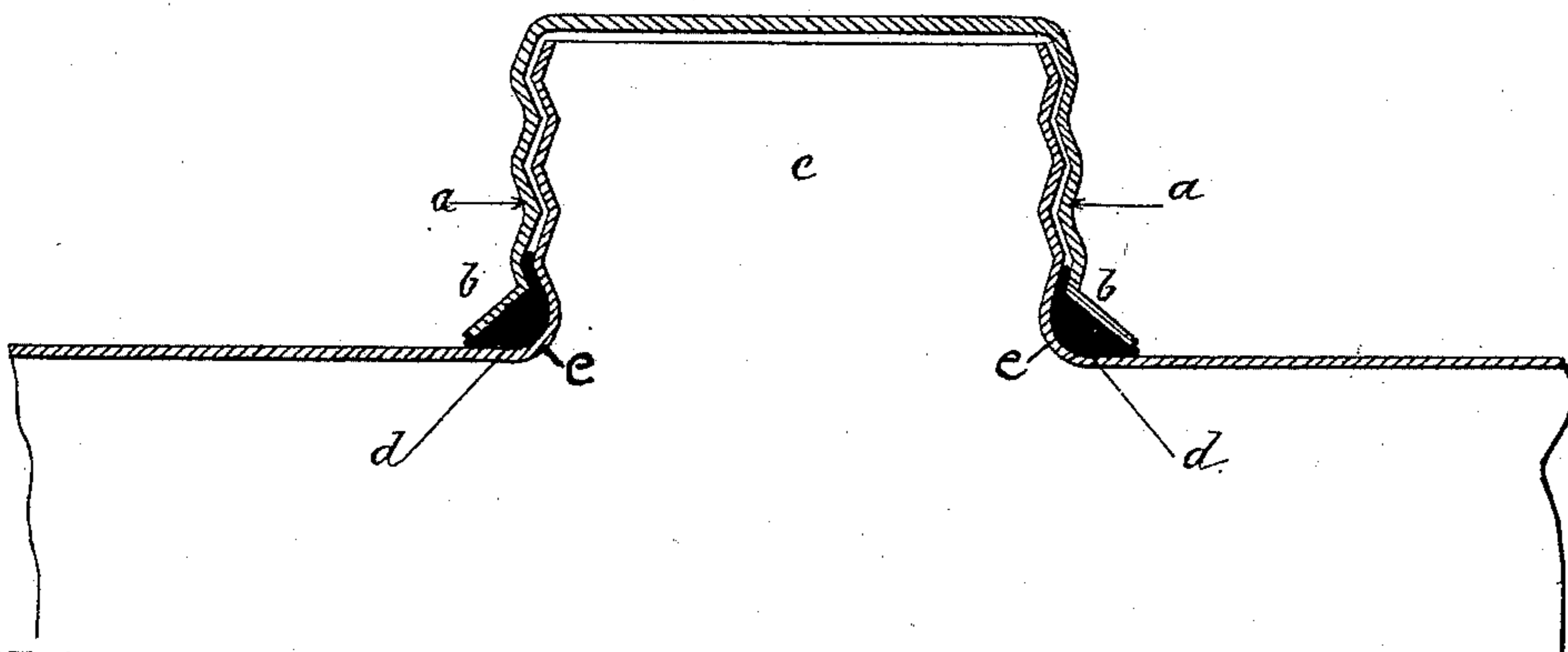


FIG. 3



Witnesses :

John M. Speer.
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UNITED STATES PATENT OFFICE.

CHARLES HENRY PHILIPPE LEVÊQUE DE VILMORIN, OF PARIS, FRANCE.

MEANS FOR HERMETICALLY CLOSING JARS, &c.

SPECIFICATION forming part of Letters Patent No. 378,498, dated February 28, 1888.

Application filed June 16, 1887. Serial No. 241,476. (No model.)

To all whom it may concern:

Be it known that I, CHARLES HENRY PHILIPPE LEVÊQUE DE VILMORIN, of the city of Paris, France, have invented or discovered new and useful Improved Means for Hermetically Closing Wide-Mouthed Bottles, Jars, Cans, and other Vessels, of which the following is a full, clear, and exact description.

This invention relates to an improved means for hermetically closing wide-mouthed bottles, jars, cans, and similar vessels; and it consists, essentially, in the combination, with the mouth or neck of a vessel, which is screw-threaded or not, of a similarly-threaded cap or cover screwing or fitting thereon and flared at its lower edge to receive and compress a luting or packing placed around the base of the mouth or neck of the vessel to make an air-tight joint. A channel or groove is situated at the junction of the neck and the vessel to receive said luting or packing, which may be putty or caoutchouc; or it may be tow or cotton steeped in tar, or other matters capable of being compressed between the mouth or neck of the container and the cap in screwing or fitting the cap on the vessel.

Reference is to be had to the accompanying drawings, forming part of this specification, which show several examples of the invention. Figure 1 is a sectional elevation of the improved means of closing bottles, &c., applied to a can provided with an annular channel around the base of the mouth or neck. Fig. 2 shows the same arrangement as applied to a vessel made of materials other than metal, and Fig. 3 shows a portion of a bottle in which the groove *e* is not so deep as in the other figures.

a is a screw-threaded cap or cover, of some suitable metal, provided at its base with a flaring or coned rim, *b*.

c is the mouth or neck of the vessel, formed

with a corresponding screw-thread, upon which the cap or cover *a* is screwed after first placing a luting, *d*, in the groove *e*. The groove *e* is situated at the junction of the neck *c* and the vessel. In screwing on the cap the luting, which is in a soft condition, becomes compressed in the groove *e*, and also between the screw-threads next the lower part of the cap, whereby a perfectly air-tight joint is obtained.

The screw-thread may be formed in any suitable way, or it may be entirely dispensed with and the flared rim of the cap be connected to the vessel by other means—such as by inclined lugs or segments of a screw, stirrups, or otherwise. The form of the rim *b* may also be varied. For instance, it may be concave, convex, or undulated, and it may be at a greater or less angle to the body of the cap.

Having now particularly described and ascertained the nature of the said invention and in what manner the same is to be performed, I declare that what I claim is—

The combination of the vessel having the neck *c* and the groove *e*, situated at the junction of the neck *c* and the vessel, with the cover *a*, having the flared flange *b*, and with the luting *d*, placed around the neck of the vessel in the groove *e*, and adapted to be compressed by the flange *b* into the groove *e*, substantially as described.

The foregoing specification of my improved means of hermetically closing wide-mouthed bottles, jars, cans, and other vessels signed by me this 10th day of May, 1887.

CHARLES HENRY PHILIPPE
LEVÊQUE DE VILMORIN.

Witnesses:

ROBT. M. HOOPER,
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ALBERT MOREAUX.