

(No Model.)

E. R. PHILLIPS.
MAILING CASE FOR BOTTLES.

No. 428,410.

Patented May 20, 1890.

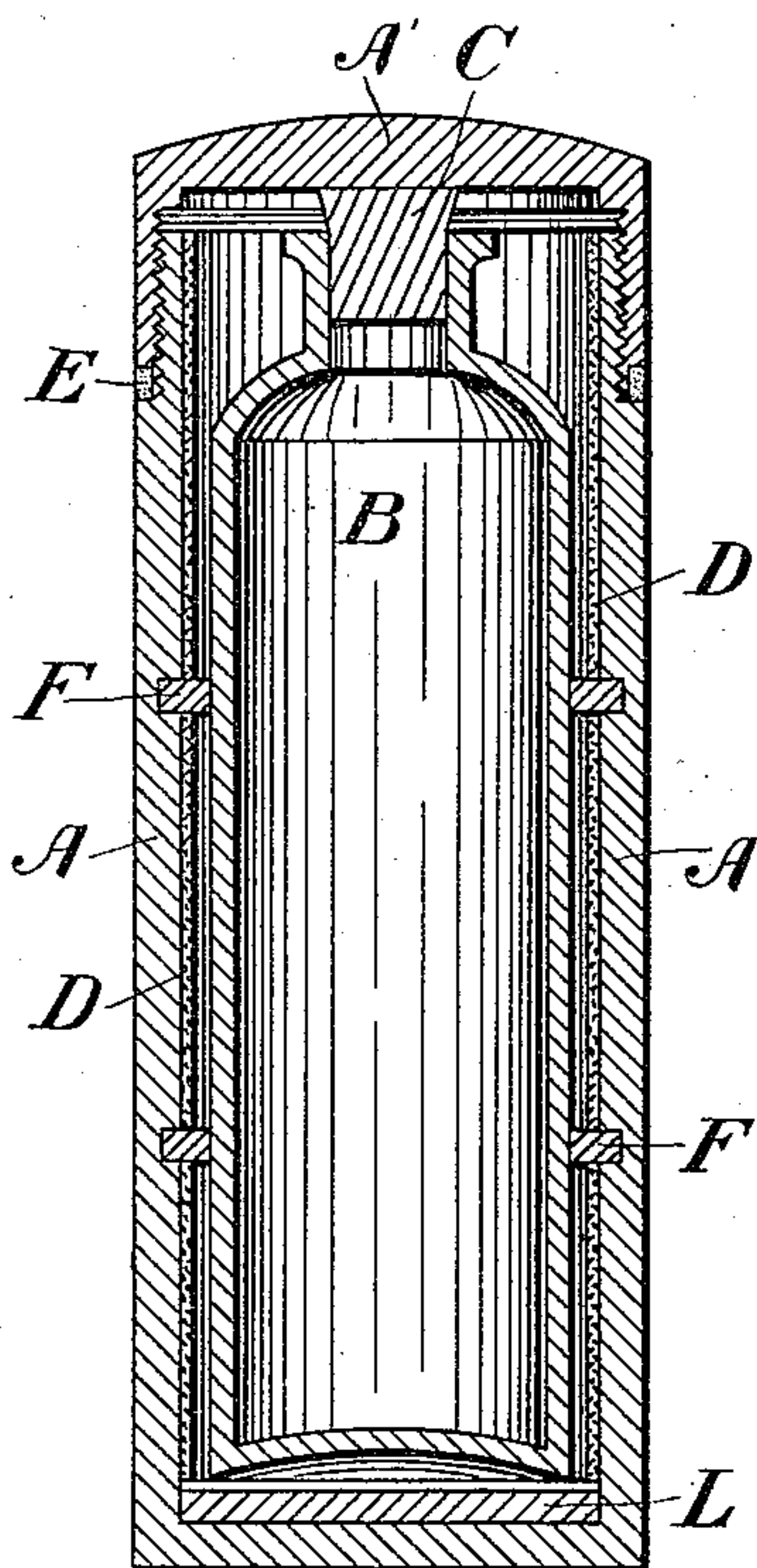


Fig. 1.

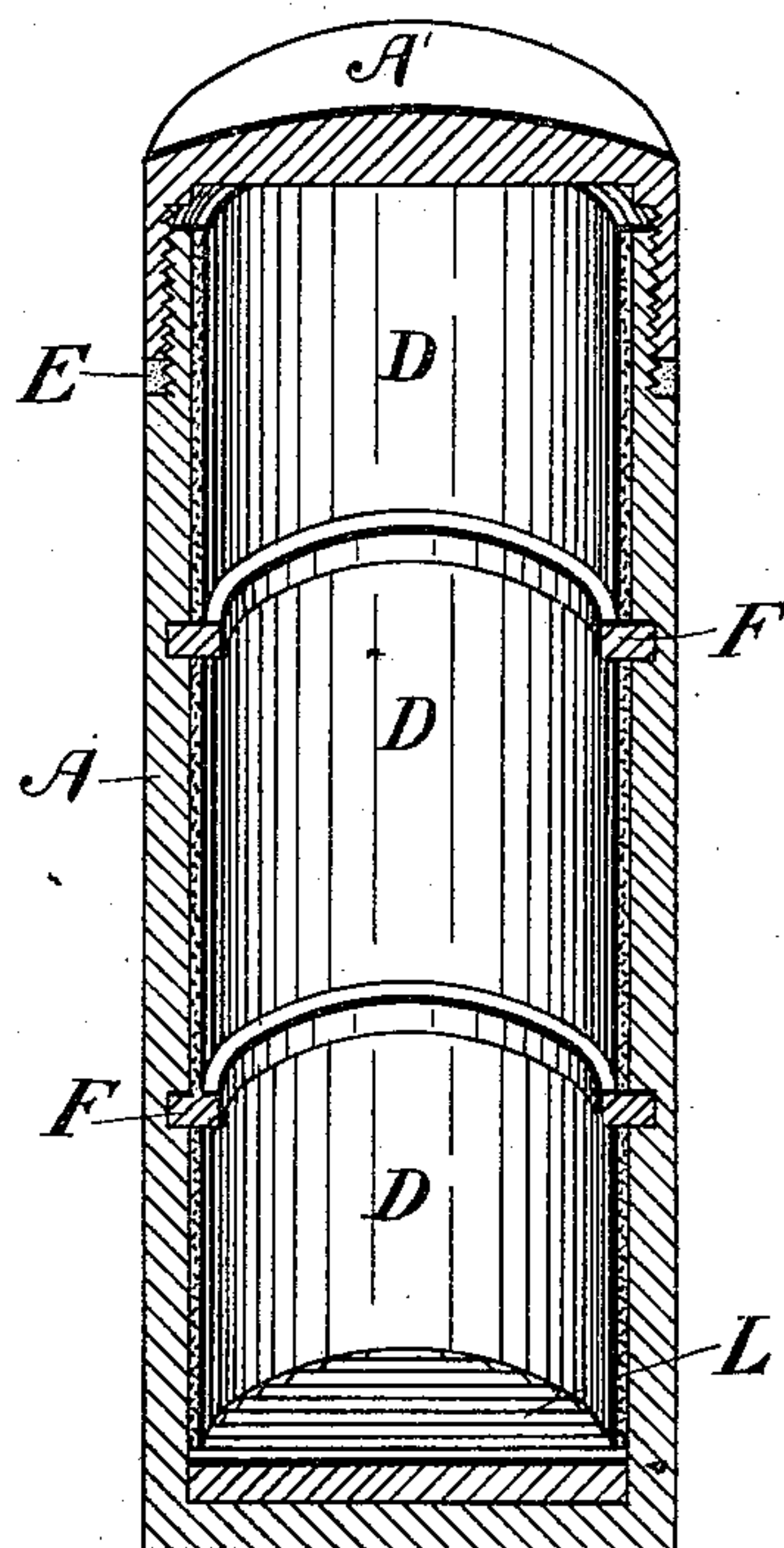


Fig. 2.

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EDWARD R. PHILLIPS, OF CAMBRIDGE, MASSACHUSETTS.

MAILING-CASE FOR BOTTLES.

SPECIFICATION forming part of Letters Patent No. 428,410, dated May 20, 1890.

Application filed March 1, 1890. Serial No. 342,244. (No model.)

To all whom it may concern:

Be it known that I, EDWARD R. PHILLIPS, a citizen of the United States, residing at Cambridge, in the county of Middlesex and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Mailing-Cases for Bottles, of which the following is a full specification.

My invention consists of an improved case so constructed as to serve as a perfectly-tight receptacle for bottles of liquid to be sent through the mails, the construction being such that the bottle of liquid is lightly cushioned within the case, so that it may encounter the rough treatment incident to sending it through the mails without the danger of breakage. Moreover, if through any cause there should be a slight leakage from the bottle I have provided means for absorbing such leakage within the case, while if through an unusual accident the bottle should be broken, the case being perfectly tight, none of the liquid can escape therefrom to do injury to other mail-matter.

Referring to the accompanying drawings, Figure 1 is a sectional elevation of my improved case with the bottle in place therein ready for transmission through the mail. Fig. 2 is a sectional view, partly in perspective, showing the case without the bottle.

A is the body of the case of accurate size, with the interior fittings to contain the bottle within it.

A' is the cover, which screws onto the body of the case in the manner shown, both parts A and A' being preferably made of wood treated with paraffine or other water-proof material, in order to render it impervious to moisture.

The case is furnished with the inner bottom L, made, preferably, of rubber or similar material, corrugated on top to lightly support the bottle and render it less liable to breakage. Let into the inner walls of the case are the washers F, also of rubber, two of which are here shown, the number depending on the size and length of the bottle. These are of such a size and so arranged as to clasp or embrace the material of the bottle B at intervals, serving to cushion the bottle very lightly laterally, since the washers are narrow and the total bearing against the bottle is very slight.

In this case the bottle is supported laterally along two lines only. The case is so proportioned that when the cover is screwed thereon the inner top surface of said cover will bear quite firmly against the stopper of the bottle. I preferably further provide the case with strips of absorbent material D between the washers and at the top and bottom of the case, covering the interior thereof, and preferably so arranged as not to come in contact with the bottle, by reason of the fact that the washers project farther into the case than the inner surface of the absorptive material D, as shown in Figs. 1 and 2. The function of the absorptive material is to take up such liquid as would by any partial breaking or cracking of the bottle leak out into the case. While a bottle held in the manner described is so lightly cushioned that it is impossible to break it in the ordinary rough usage it encounters in its transmission through the mails, yet, if through any extraordinary accident, the bottle should break, none of the contents thereof can, by any possibility, escape from the case, to the injury of other mail-matter, by reason of the fact that the case when closed is perfectly liquid-tight. To still more securely seal up the case, I provide it with the rubber band E at the bottom of the cover bearing between it and the shoulder at the top of the case.

I claim—

1. A liquid-tight mailing-case for bottles, provided with an inner rubber bottom having a corrugated top surface, and provided also with elastic washers at intervals along the inner walls of said case claspings the material of the bottle, in combination with a cover, substantially as described.

2. A liquid-tight mailing-case for bottles, provided with an absorptive inner covering, and elastic claspings - washers at intervals along its inner walls projecting into the case beyond the inner surface of the absorptive covering, substantially as and for the purposes described.

In witness whereof I have hereunto set my hand.

EDWARD R. PHILLIPS.

Witnesses:

WM. B. H. DOWSE,
ALBERT E. LEACH.