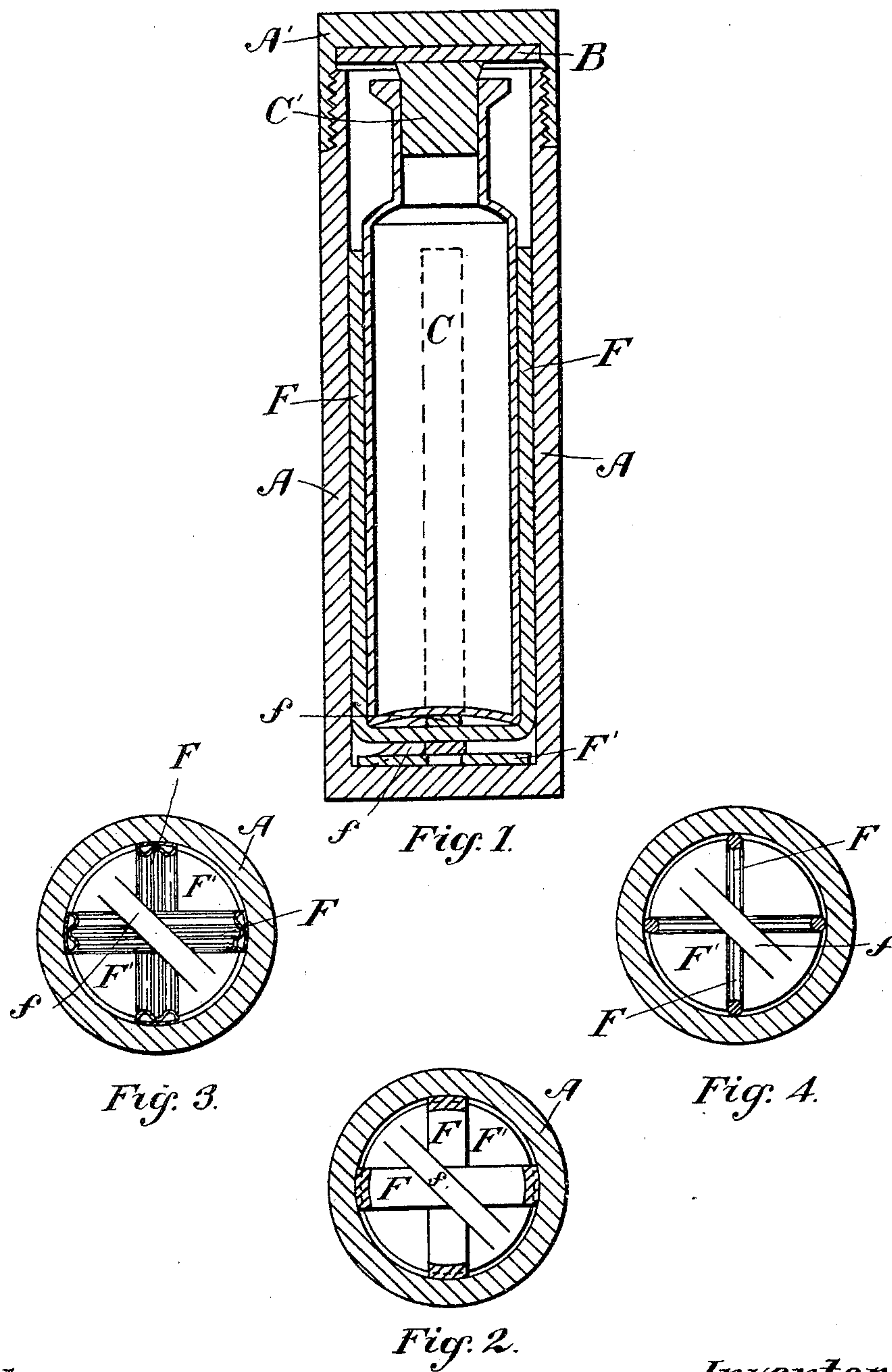


(No Model.)

E. J. KRAETZER.  
MAILING CASE.

No. 460,918.

Patented Oct. 6, 1891.



*Witnesses*  
Albert E. Leach  
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att'y.

# UNITED STATES PATENT OFFICE.

EDWIN J. KRAETZER, OF CAMBRIDGE, MASSACHUSETTS, ASSIGNOR TO THE  
STANDARD MAILING CASE COMPANY, OF KITTERY, MAINE.

## MAILING-CASE.

SPECIFICATION forming part of Letters Patent No. 460,918, dated October 6, 1891.

Application filed March 13, 1891, Serial No. 384,899. (No model.)

*To all whom it may concern:*

Be it known that I, EDWIN J. KRAETZER, 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 mailing-case provided with cushioning devices, whereby a bottle containing liquid may be lightly supported or cushioned therein, allowing no play either sidewise or lengthwise, but preventing the bottle from coming in contact with the hard material of the case, thus making it practically impossible to break the bottle during transmission.

Figure 1 of the accompanying drawings shows in central section a form of case embodying my improvements. Fig. 2 is a transverse sectional view through the case with the bottle removed therefrom. Figs. 3 and 4 are similar transverse sectional views of modified forms of cushioning-pieces.

A is the outer box, and A' the cover adapted to screw onto said box, both being preferably made of wood, treated on the interior with some water-proof material, rendering it impervious to moisture. The cover A', as herein shown, is provided with the inner disk or lining B of felt or like material.

The cushioning devices are preferably removable and are intended to fit any sized bottle or case. They consist of a disk or plate F', made of paper or flexible material and not too large to fit the smallest case which is to be employed for mailing. This plate or disk F' has the central strip *f* cut from the material of said strip, but connected therewith at either end. This is accomplished by making two parallel cuts through the said disk within but not clear across the face thereof, as shown in Figs. 2, 3, and 4. The cushioning-strips F, preferably two in number, are inserted between the central strip *f* and the main disk or plate F', so as to cross each other, being held in place by the said central strip *f*, which presses down upon the same. These cushioning-strips are made of flexible mate-

rial and of any desired form in cross-section either plain and flat, as shown in Figs. 1 and 2, circular, as in Fig. 4, or corrugated, as in Fig. 3. Being made of flexible material, they may be bent or turned upward at any desired point, so as to bear against the sides of any-sized bottle.

The case A is of such a size with reference to the bottle that there is just room for the cushioning-strips F between the outside of the bottle and the inside of the case, the length of the case being such that when the cover is screwed down and the bottle is in place in the case the top of the bottle-stopper C' comes in close contact with the inside of the cover or with the lining B of the cover if there is a lining, so that there is no play lengthwise. The cushioning-strips F crossing each other at the bottom and the upwardly-curved central retaining-strip *f* of the disk F' form in the middle a raised cushion, as shown in Fig. 1, on which the bottle rests. It is lightly cushioned in such a manner that it cannot get broken when the case is thrown about.

By having the disk F' smaller than the smallest case in which a bottle is to be mailed it will be seen that one set of my cushioning devices is adapted to any-sized case and bottle, since the strips F can be bent upward from the bottom at any desired points depending on the size of the bottle.

I claim—

A mailing-case for bottles, consisting of a stiff outer protecting-box A, in combination with removable cushioning devices consisting of a bottom disk F', having the central retaining-strip *f* cut from the material of said disk, in combination with cushioning-strips F, of flexible material, crossing each other at the bottom and held between said retaining-strip and the body of the bottom disk, substantially as and for the purposes described.

In witness whereof I have hereunto set my hand.

EDWIN J. KRAETZER.

Witnesses:

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