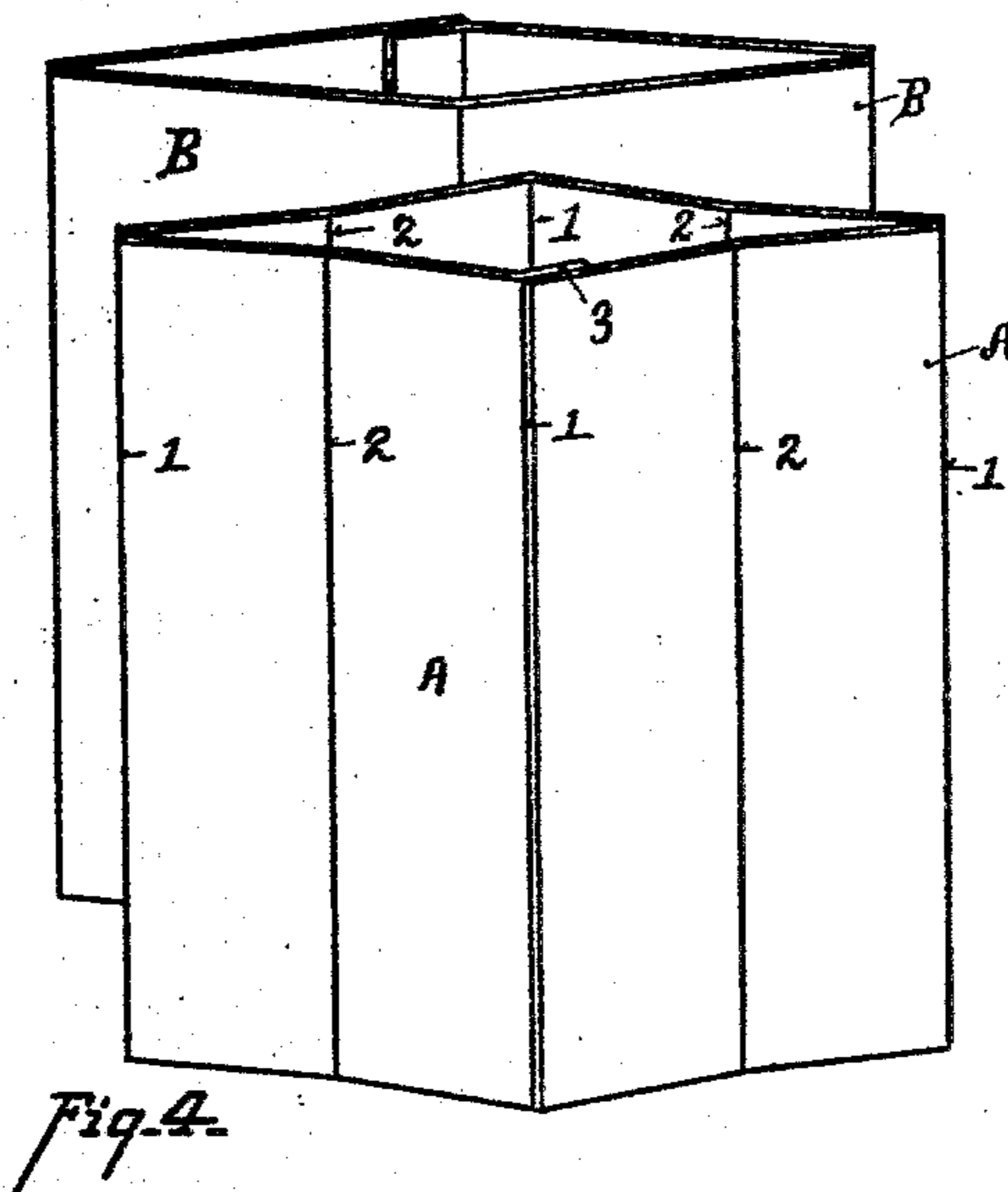
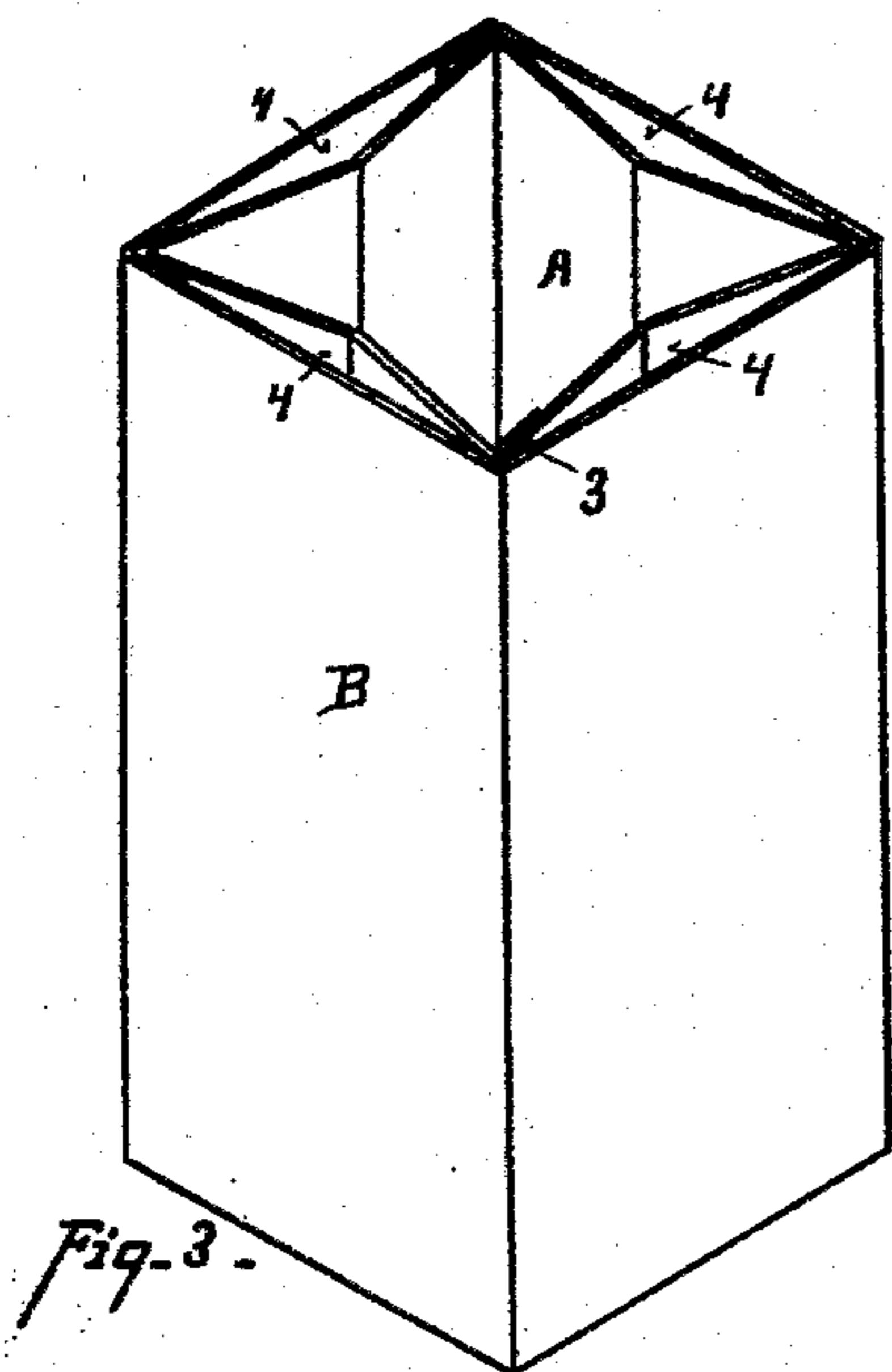
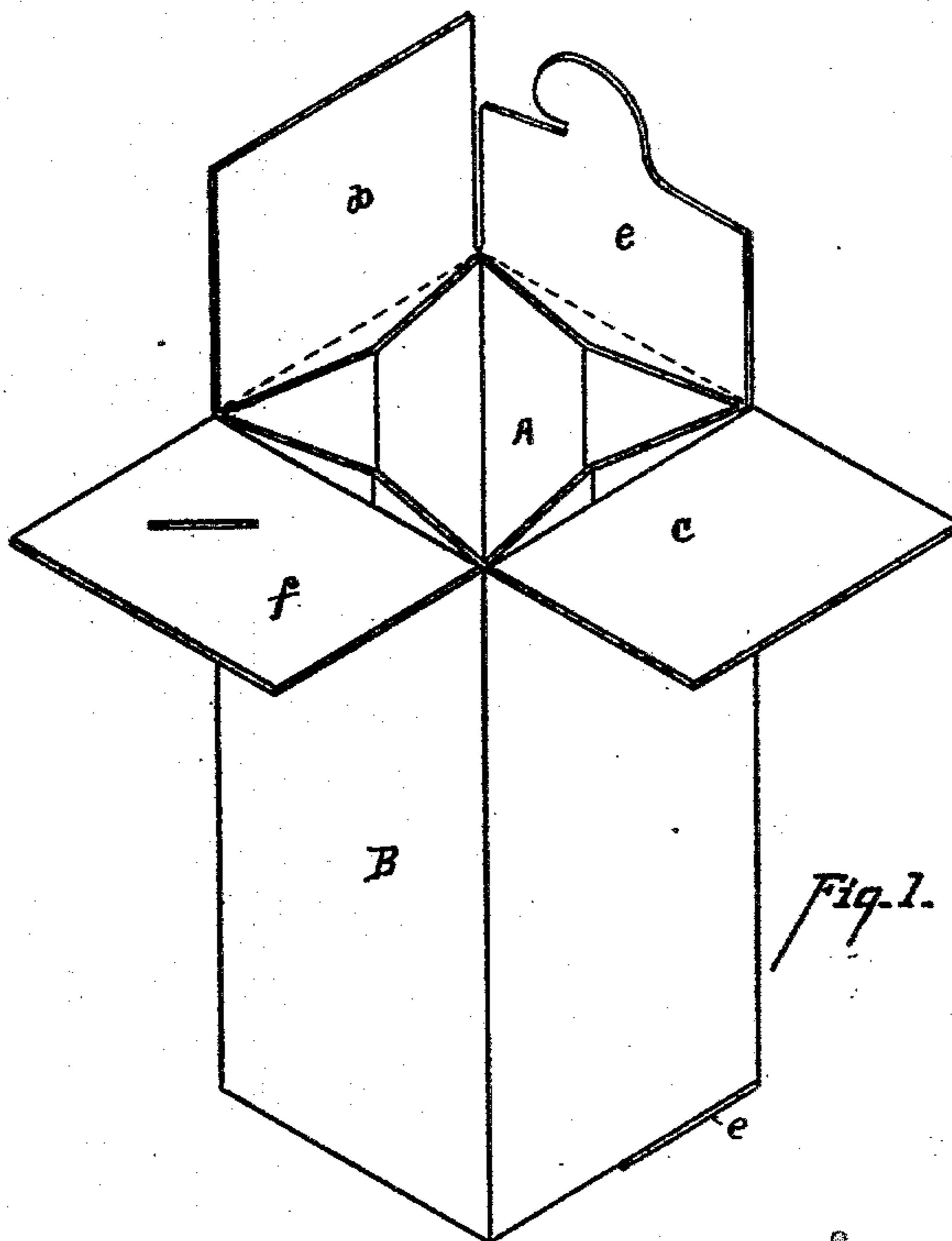
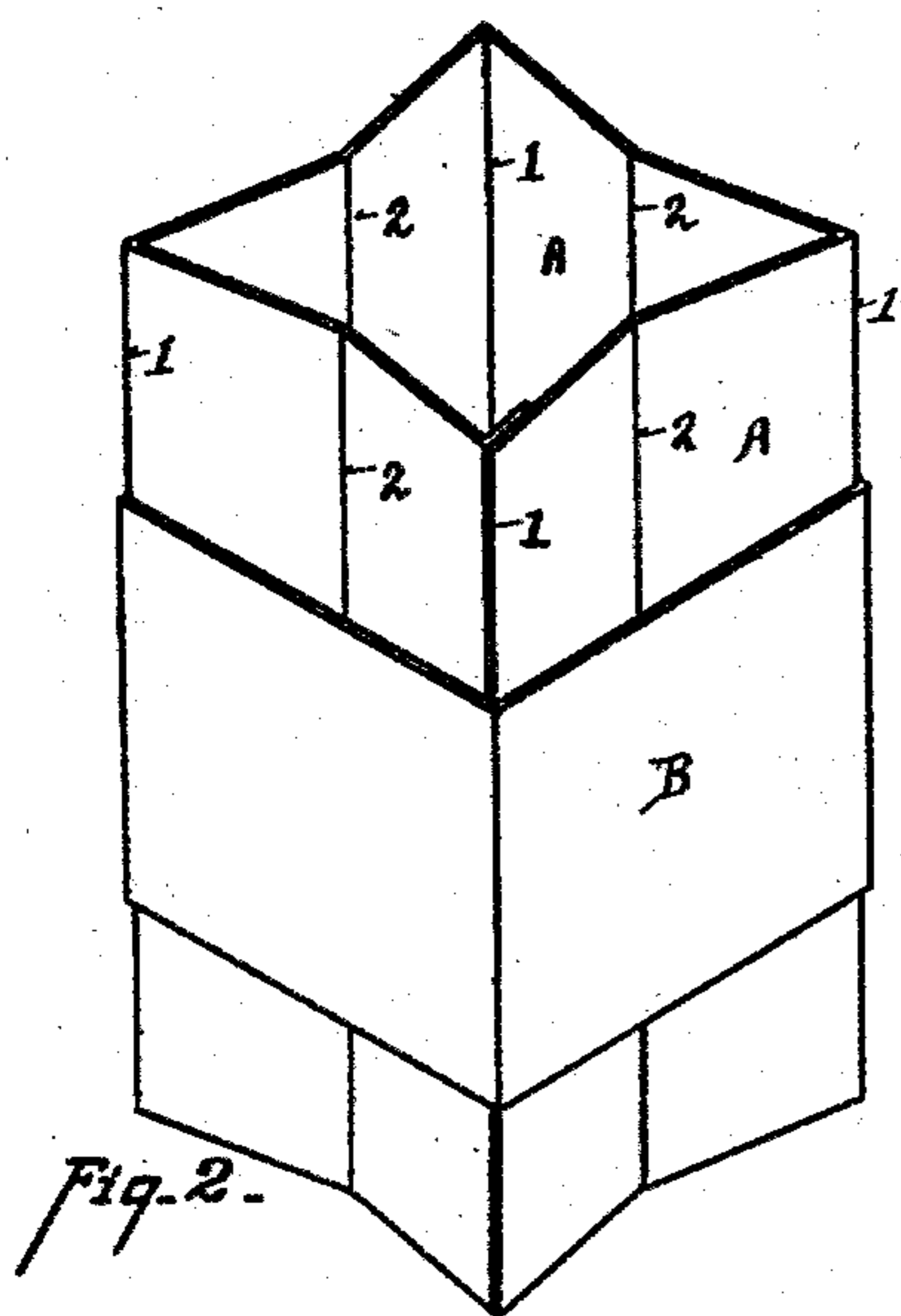


(No Model.)

T. F. W. SCHMIDT.
BOTTLE WRAPPER.

No. 515,721.

Patented Feb. 27, 1894.



Attest—
C. W. Miles
P. B. Kaiser

Inventor—
Thos. F. W. Schmidt
By Woods & Roper atty.

UNITED STATES PATENT OFFICE.

THEODORE F. W. SCHMIDT, OF DAYTON, OHIO, ASSIGNOR OF ONE-HALF TO
THE DAYTON PAPER NOVELTY COMPANY, OF SAME PLACE.

BOTTLE-WRAPPER.

SPECIFICATION forming part of Letters Patent No. 515,721, dated February 27, 1894.

Application filed December 18, 1893. Serial No. 493,908. (No model.)

To all whom it may concern:

Be it known that I, THEODORE F. W. SCHMIDT, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Bottle-Wrappers, of which the following is a specification.

The object of my invention is to provide an elastic bottle wrapper made of paper, which can be folded and shipped flat or "knock down," and readily applied to a bottle, the wrapper enabling the bottles to be packed in boxes and shipped without danger of breakage.

The various features of my invention are fully set forth in the description of the accompanying drawings making a part of this specification, in which—

Figure 1 is a perspective view of the bottle wrapper of box form. Fig. 2 is a perspective view of a modification of Fig. 1. Fig. 3 is a perspective view of a modification of Fig. 2. Fig. 4 is a perspective view of the bottle wrapper and binder.

The wrapping device consists of two sections: A represents the inner section or wrapper proper. B represents the binder whose office is to hold the wrapper in position.

The wrapper is constructed as follows: A blank is cut from paper of the desired dimensions for the wrapper, and it is scored longitudinally on lines 1, 2. 3 represents a lap-flap for gluing the edges of the blank together; scored lines 1 represent the corners of the wrapper; scored lines 2 represent the packing knees of the wrapper. The binder B is a skeleton hoop or box, as may be desired. The interior circumference or dimension of the binder is smaller than the exterior circumference or dimension of the wrapper, so that when the wrapper is inserted in the binder hoop or box, spaces 4 are formed on the sides by the knees 2; the bottle is inserted within the wrapper, and the compression of the knees to form the spaces 4 provide an elastic support around

the bottle and cushion it from jars or shocks and prevent breakage, so that it may be safely shipped. The form shown in Fig. 1 is designed for sealing packages, and the form shown in Fig. 2 is sufficient for all ordinary packages. If extra heavy bottles are to be shipped I prefer to have the binder the full length of the wrapper, as shown in Figs. 3 and 4. When the box is made of the form shown in Fig. 1 it is provided with the ordinary flaps *c, d*, and the lock flaps *e, f*, the opposite end being made in a similar manner.

The bottle wrapper herein shown and described has several very important advantages; first, it is very cheap; second, it is convenient; third, it may be shipped flat or "knock-down;" fourth, it has sufficient elasticity to insure safety in shipping bottles in ordinary boxes.

I have shown the package of rectangular shape, which is the preferred form, but the number of sides is immaterial, so long as the wrapper has corners or knees with the spaces 4, and a suitable binder to firmly embrace the corners of the wrapper.

Having described my invention, what I claim is—

A bottle wrapper, consisting of an inner section provided with longitudinally scored lines 1 at the corners, and longitudinally scored lines 2 in the sides between the corners for enabling the sides to spring or move inward toward the center, and an outer binding section B secured upon the exterior of the inner section and of a diameter in cross section less than the inner section for holding the sides of the latter pressed inward to provide air cushion spaces 4, substantially as and for the purposes described.

In testimony whereof I have hereunto set my hand.

THEODORE F. W. SCHMIDT.

Witnesses:

JOHN L. H. FRANK,
GEO. W. FRANK.