

No. 655,024.

Patented July 31, 1900.

C. G. SHIPLEY, JR.
PAPER PAIL OR VESSEL.

(Application filed Nov. 4, 1898.)

(No Model.)

2 Sheets—Sheet 1.

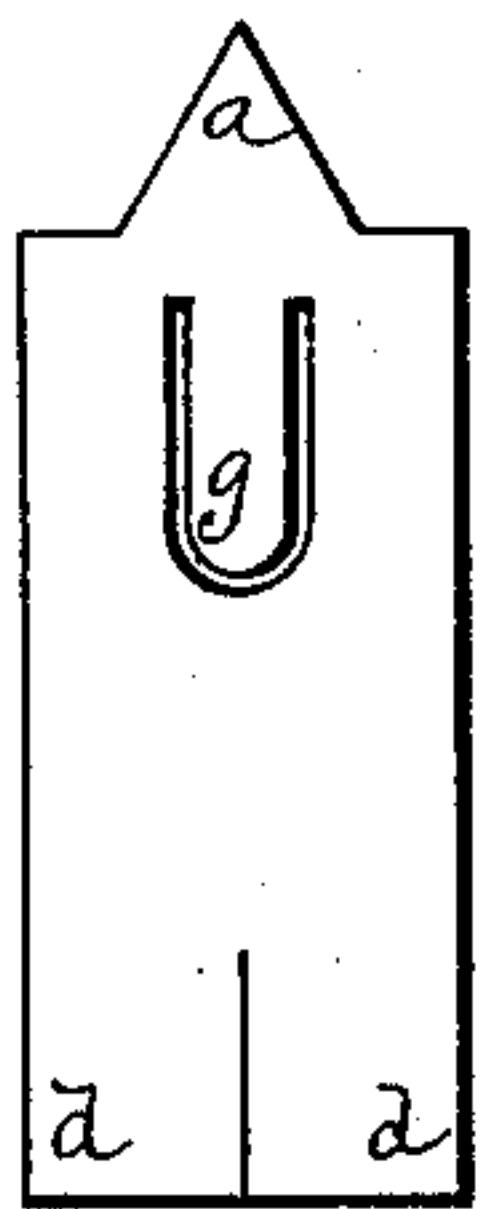
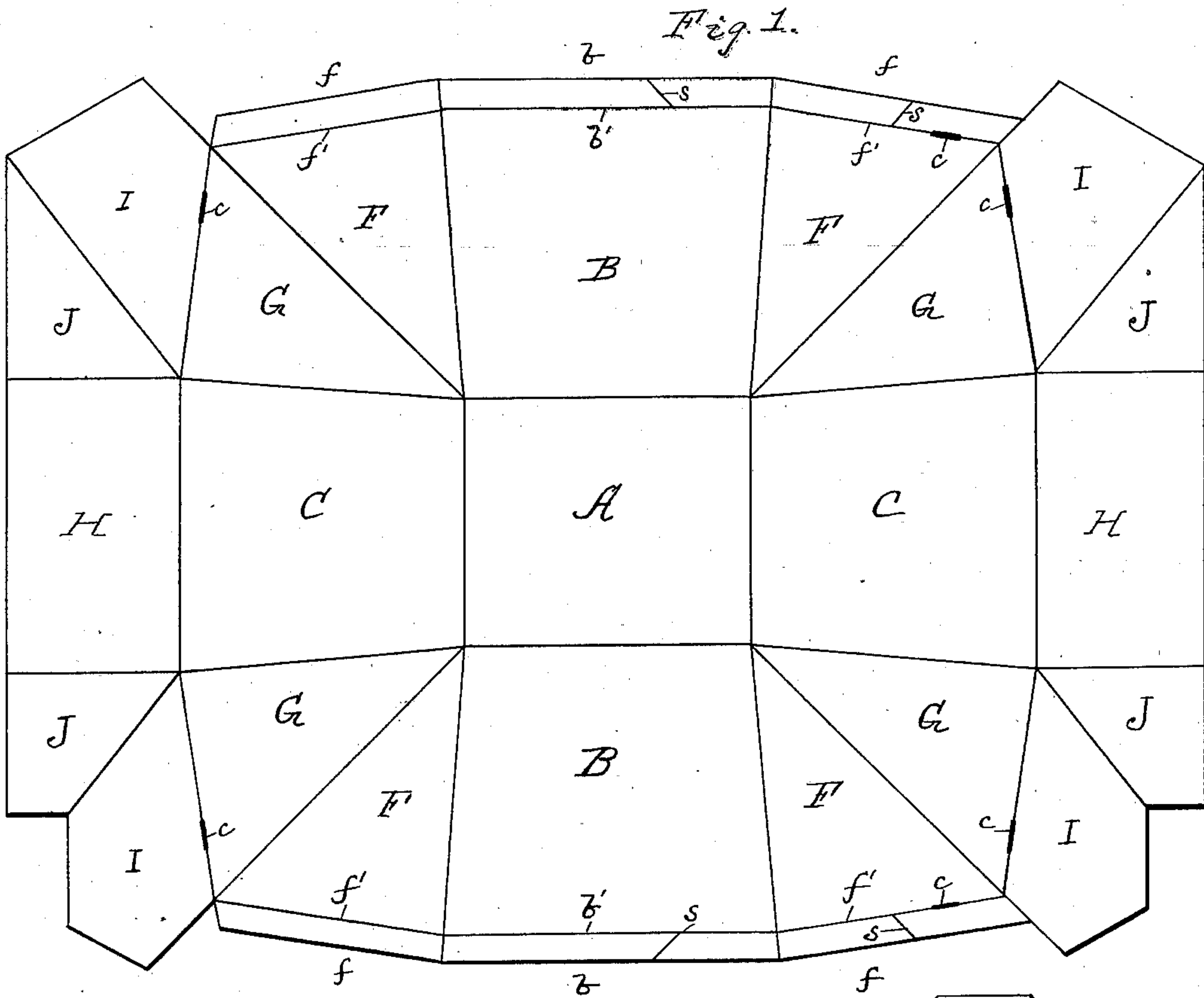


Fig. 3.

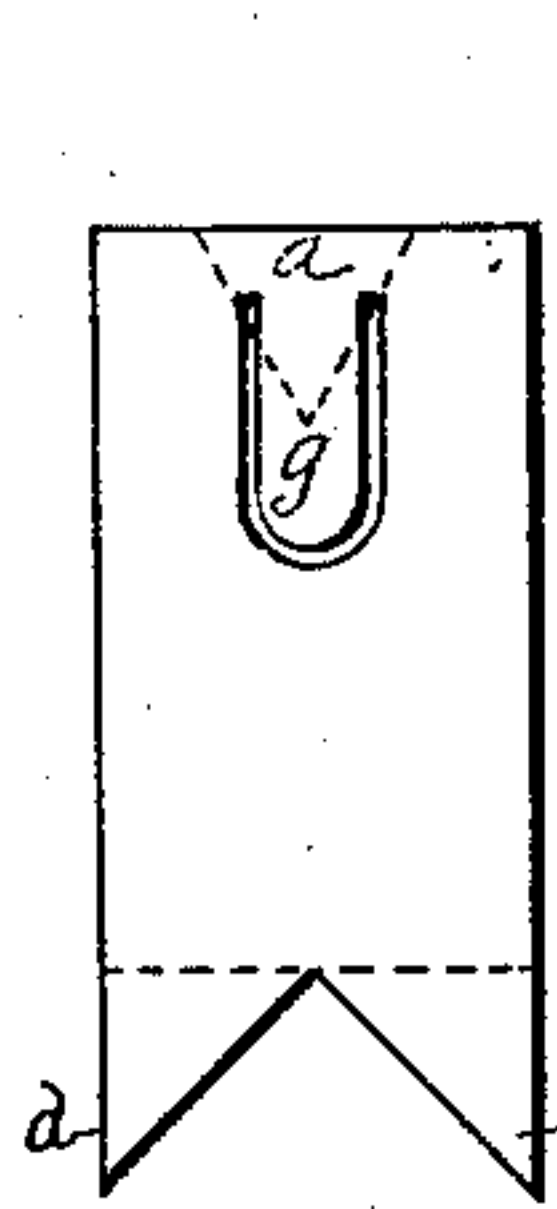


Fig. 4.



Fig. 5.

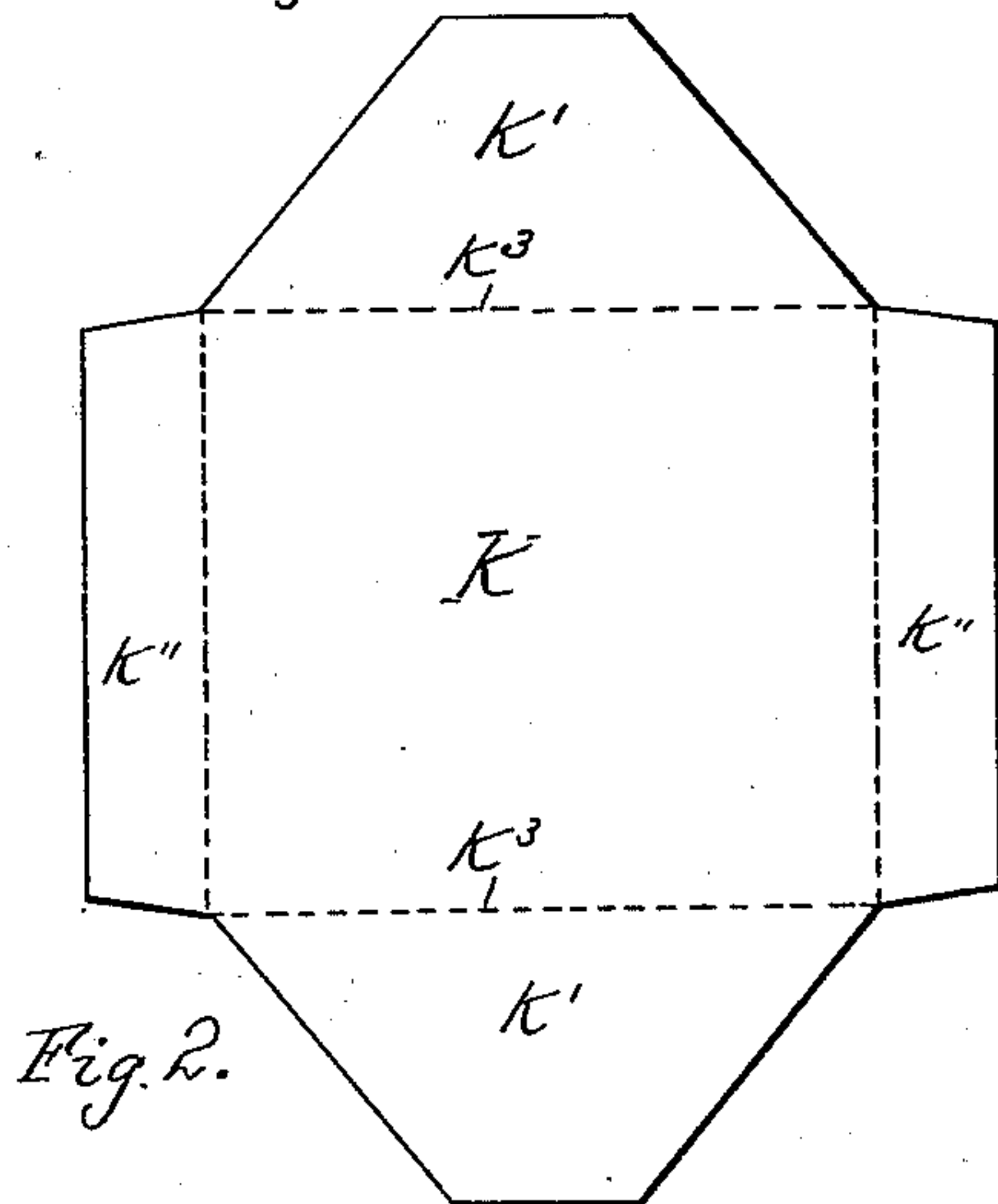


Fig. 2.

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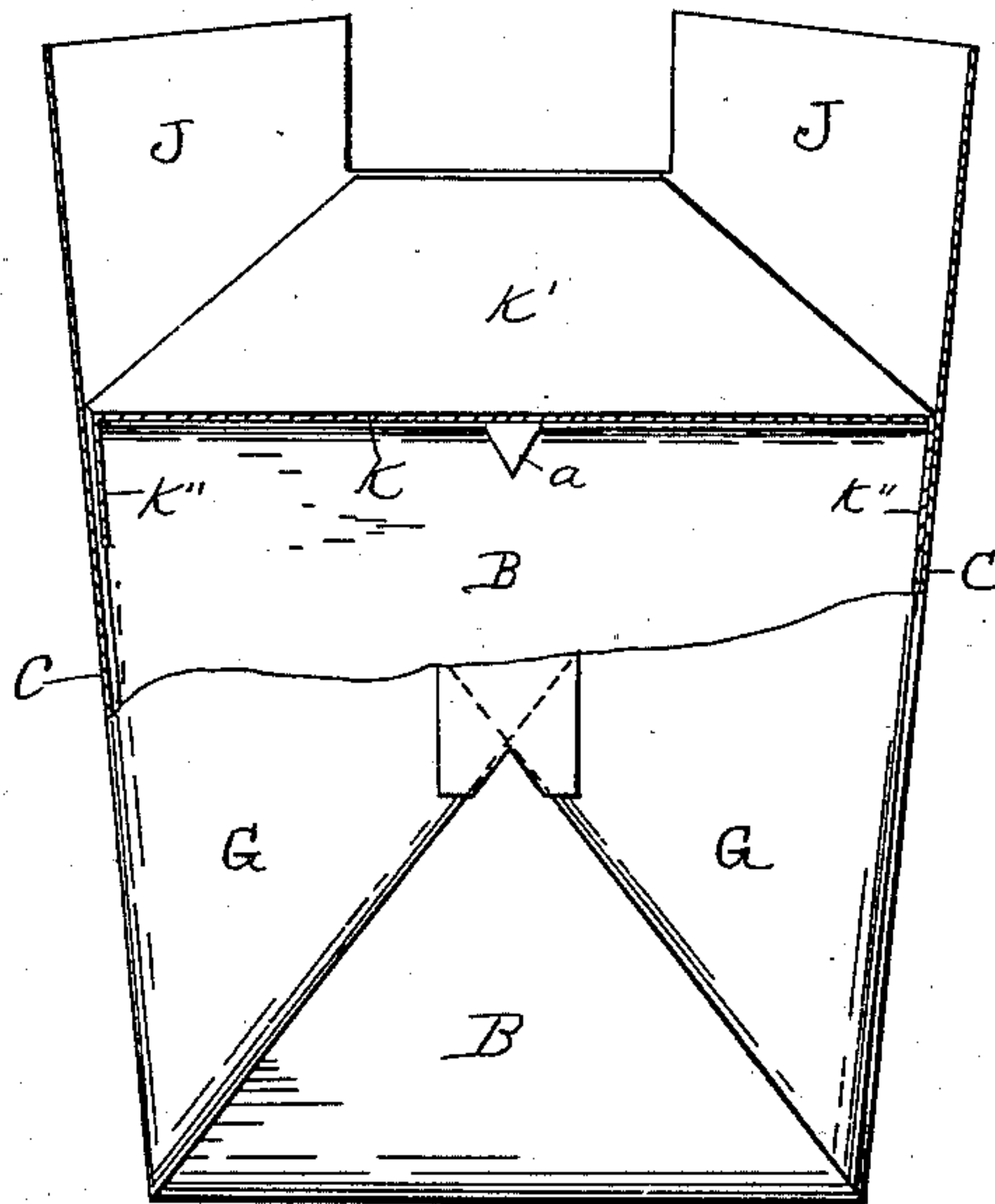
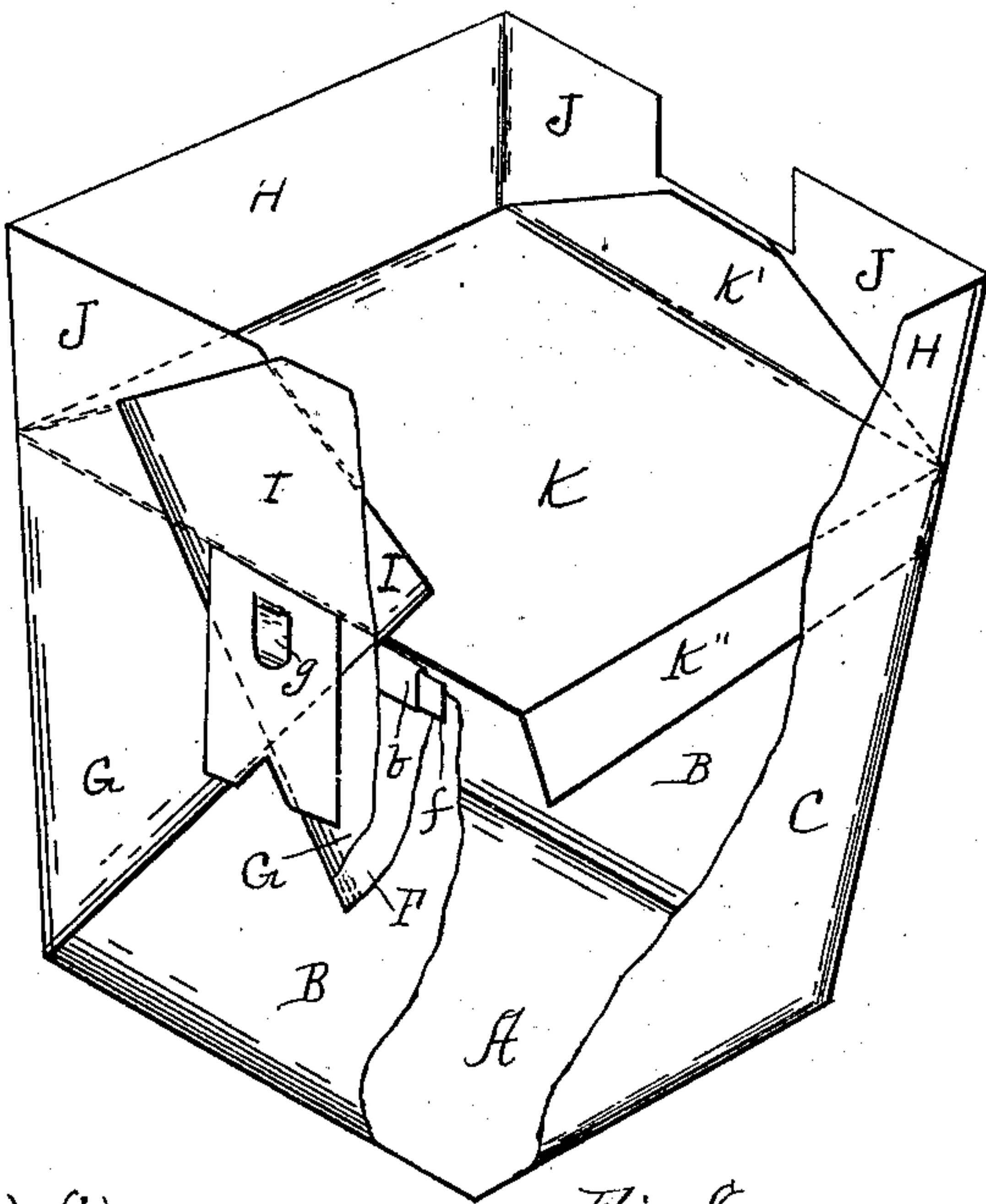
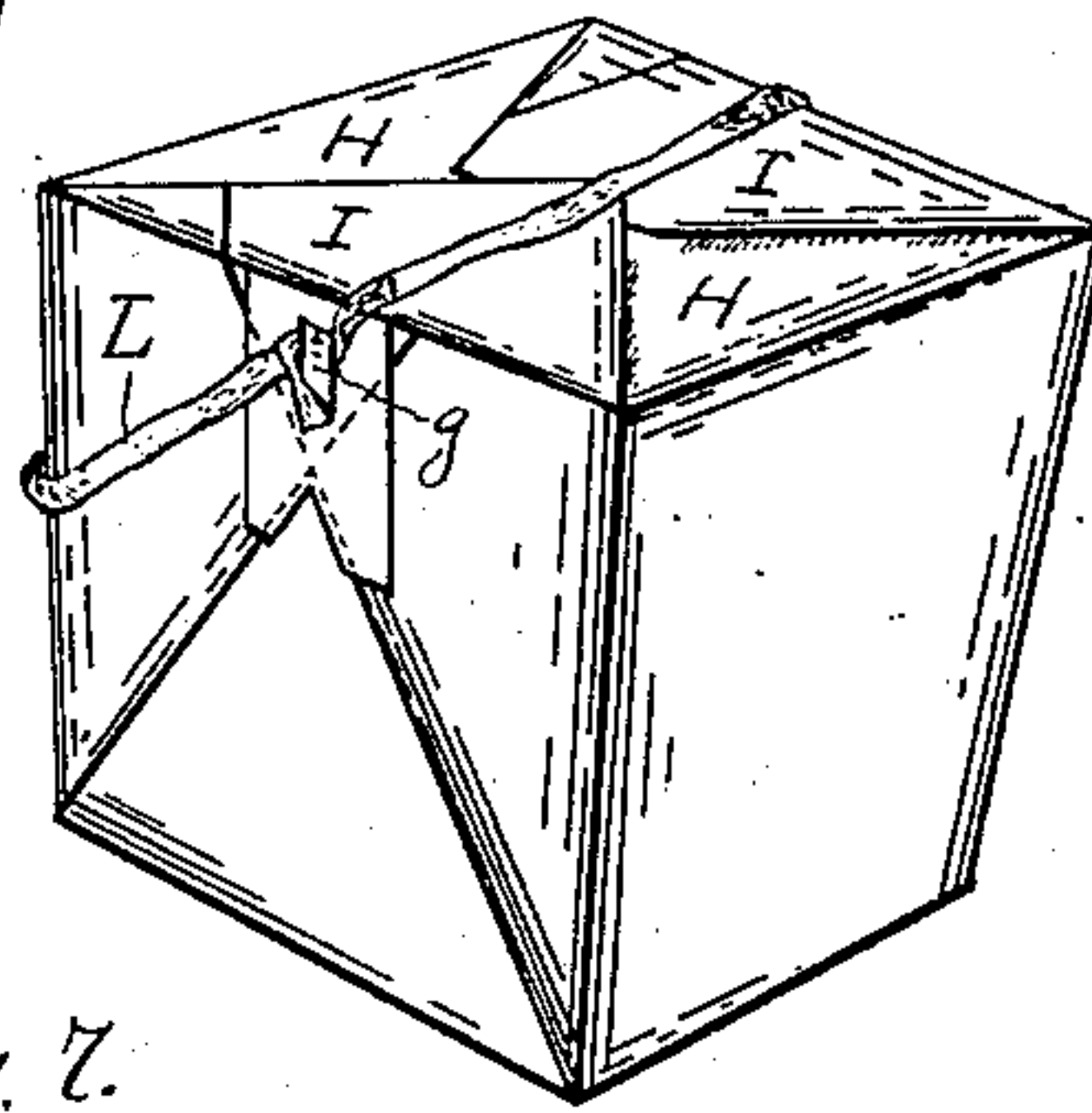
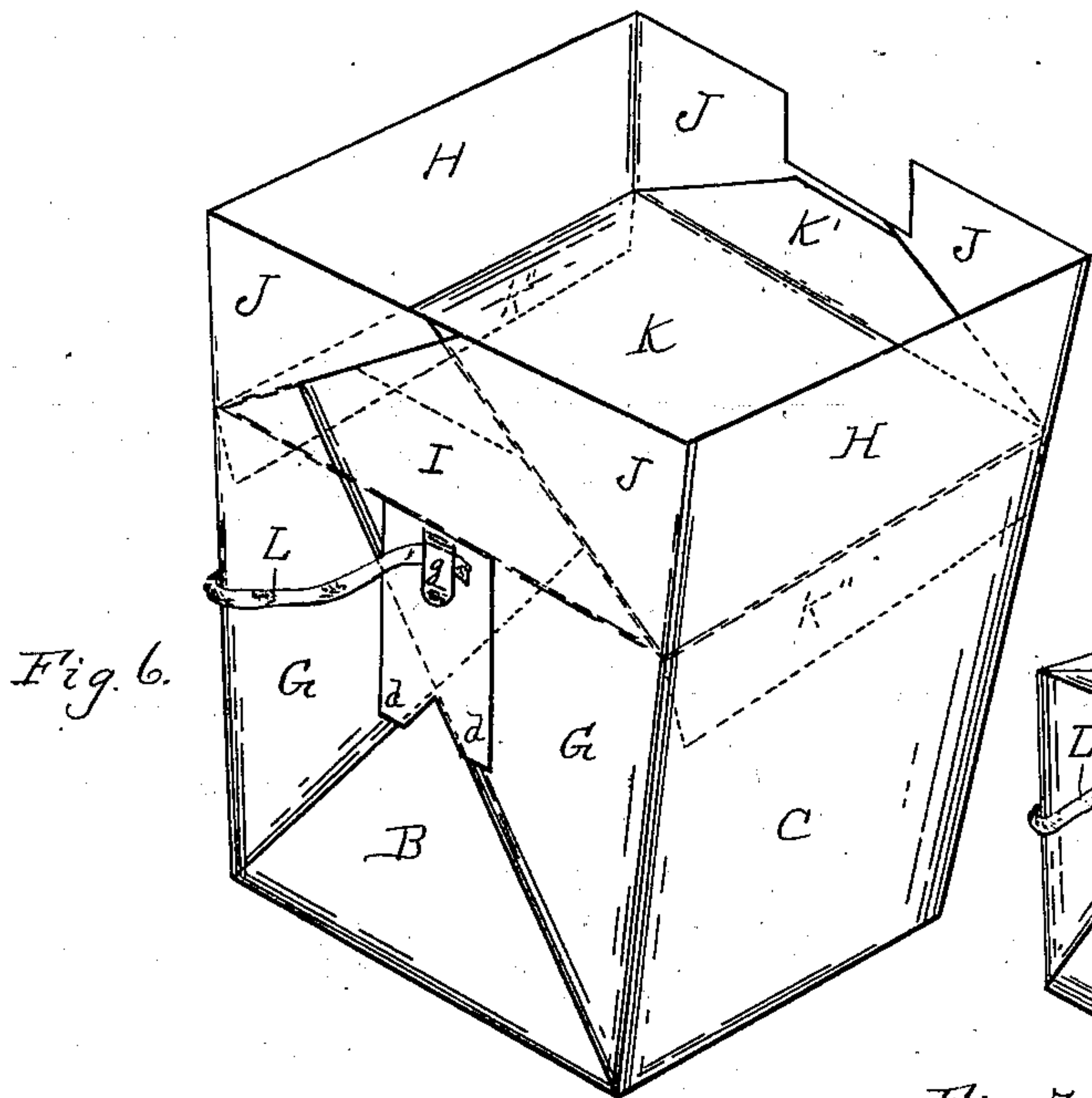
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2 Sheets—Sheet 2.



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UNITED STATES PATENT OFFICE.

COLUMBUS G. SHIPLEY, JR., OF DAYTON, OHIO, ASSIGNOR TO THE J. W. SEFTON MANUFACTURING COMPANY, OF ANDERSON, INDIANA, AND CHICAGO, ILLINOIS.

PAPER PAIL OR VESSEL.

SPECIFICATION forming part of Letters Patent No. 655,024, dated July 31, 1900.

Application filed November 4, 1898. Serial No. 695,434. (No model.)

To all whom it may concern:

Be it known that I, COLUMBUS G. SHIPLEY, Jr., 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 Paper Pails or Vessels; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in oyster-pails of the class used by retail merchants.

The objects of the invention are several, among which is to provide a pail or vessel of the above type with a separate cover placed in such position and so arranged as to form in addition to a cover a former and support for the top flaps of the pail and which reinforces said top flaps to such an extent that a lid or cover is provided with such strength as to render it capable of withstanding any pressure or weight that is apt to be placed thereon when the cover is closed over the contents of the pail. With this end in view certain structural features are provided whereby the said cover, former, and support are themselves supported in the mouth of the vessel.

Another object of the invention is to provide a simple and efficient means for securing the folded sides of the vessel, for securing the bail or handle, and for maintaining the top flaps closed over the mouth of the vessel.

These several features will be described in detail, reference being first had to the accompanying drawings, of which—

Figure 1 is a plan of the blank from which the bottom, sides, and top flaps are produced. Fig. 2 is a plan of the blank constituting the cover, former, and support for the top flaps. Figs. 3, 4, and 5 are different views of the sheet-metal fasteners. Fig. 6 is a view of the pail open. Fig. 7 is a view of the pail closed. Fig. 8 is a view of the pail open with portions broken out to better illustrate the folds or

side laps. Fig. 9 is a partial transverse sectional view.

The blank, as shown in Fig. 1, is of thick paper, such as oyster-pails and other similar paper vessels are made of. This blank is creased on the various lines shown to form when completely folded a pail such as is shown in the several views. When the blank is thus folded, the center square A becomes the bottom of the pail, B B and C C the four sides, and F F and G G the four intervening sides folding inwardly between the sides B and C and coming together in the usual manner. These parts F and G when thus folded inwardly bring the edges of sides C C in line with the similar edges of sides B B, and the side folds F and G are then folded over the outside of sides B B and secured thereto in a manner hereinafter described. The continuous edges *b b* and *f f* of the sides B B and F F are folded outwardly along the crease-lines *b' b'* and *f' f'* to stiffen or reinforce the upper edges of said sides B B and F F. The said side edges *b b* and *f f* are slit at *s s* to enable the sides B B and F F to bend out on their dividing crease-lines. H H are the top flaps. Between said flaps and the side folds G G are additional folds I I and J J. The latter folds and parts H H fold inwardly.

K designates a cover for the mouth of the pail, and consists of a piece of cardboard of suitable thickness to provide a support for the top flaps and which also reinforces said flaps. In addition to the above functions of providing a cover for the vessel and a support to hold the top flaps up in a level position under pressure the said piece K also serves as a former over which the top flaps are bent. Referring to Fig. 2, the blank K is there shown to have four folding sides K' and K'', the latter sides folding in a direction the opposite to that in which the sides K' are bent, so that the sides or folds K'' project downwardly over the corners of the reinforced edges *b b* and *f f* when the cover is placed in the vessel, and the sides K' project up. In this position, which Figs. 6 and 8 well illustrate, the edges K³ K³, upon which the sides K' K' are bent, rest upon and are

supported by the reinforced edges *b b* and *f f*, and the said cover *K* is in this manner prevented from entering the pail, but is at all times supported in this manner, the thickness of the edges *b b* and *f f* being such as to make it impossible for the cover *K* to pass down into the pail. The said cover may be attached permanently to the pail or detached therefrom. In either event it is equally convenient for nesting and shipment. It may be united to the inside of the pail by fastening one of the sides *K'* or *K''* to the inner side of wall *C* or flap *I*. When the former or cover *K* is in position in the mouth of the pail, as shown in Figs. 6 and 8, it is ready to serve as a former for bending the top flaps. The sides *H H* are first folded inwardly against the upper side of said cover *K*, breaking on the crease-line between sides *H* and *J* and bringing the latter part *J* against the inner side of parts *K' K''*. The latter parts of the cover then become inclosed between flaps *I* and *J*, which constitute the top flaps, and thus said flaps are reinforced. This greatly strengthens the top of the pail.

When the sides *B B*, *F F*, and *G G* are folded together, as shown in Figs. 6, 7, and 8, they are united and made fast by means of fasteners, preferably made of tin. This fastener has two functions to perform—namely, that of holding the side folds of the vessel together and that of providing a simple and efficient means for securing the bail or handle, said bail or handle being a tape or cord which readily engages with the fasteners in a manner presently made plain. The nose or point *a* of the fastener is bent at a right angle to the body and unites the side folds by penetrating the paper at various points, as shown at *c*, Fig. 1. The lower end of the fastener is slit to enable the two corners *d* to be folded or bent inwardly. These folded corners embrace and clamp the sides *F* and *G* at their crease-lines, as shown in Figs. 6, 7, and 8. When the fastener is thus made fast to the folds and the nose *a* is passed through the sides and clenched on the inner side of wall *B*, as shown in Fig. 9, the fastener becomes a rigid and permanent securing medium for the folded sides of the vessel. The handle or bail *L* is preferably made of a suitable length of tape or cord and is easily attached in the following manner: One end thereof is slipped under the ear *g* in one of the fasteners. The tape or cord is then drawn or carried around the side of the pail to the fastener on the other side and is then passed under the ear *g* of the latter fastener. This measures the desired length of the bail or handle. The end of said tape is next drawn across the top of the pail and is fastened to the ear to which it was first attached. This last movement of the said tape secures the top flaps in a closed position and prevents their opening. The ears *g g* project

out sufficiently to allow the tape to be drawn between them and the body of the fasteners, and the tape thus becomes securely held.

Having described my invention, I claim—

1. A paper vessel, comprising a folded blank having opposite sides, *B*, each provided with a fold *b* bent back upon the side whereby the upper portions of the said sides are reinforced, corner folds folded outside of said sides *B*, and holding means for said corner folds engaging said reinforced upper portions of the sides *B*, substantially as described.

2. In a paper pail or vessel, the combination of the inwardly-folded sides *F F* and *B* having crease-lines *b'* and *f' f'* throughout their edges, double folds *f f* and *b* formed by bending the said edges along said crease-lines, metal fasteners having their lower ends secured to the outer folds of the sides, and their upper ends projected through said folds and clamped over the edges *b f f* on the inside of the pail, substantially as specified.

3. In a paper pail or vessel, the combination with the overlapping side folds, the free edges *f* and *b* of the material comprising said folds being bent outwardly throughout the length thereof to provide reinforced edges, slits *s s* cut from the crease-line of said fold to the edge of the material to enable the said outward fold of the free edges, of a reinforcing-cover resting on said reinforced edges, the said cover constituting a former over which the top portions of the pail or vessel are bent, and having downwardly and upwardly projected sides, the former side extending down over the corners of the reinforced edges of the pail or vessel, and the latter sides extending up and adapted to reinforce the top flaps.

4. In a paper pail or vessel, the combination with the overlapping sides of said pail or vessel, of fasteners the upper and lower edges of which secure the folds of said sides, ears projected from said fasteners, and a bail or handle passed upwardly under said ears and across the closed top flaps of the vessel or pail.

5. In a paper pail or vessel, the combination with the folded sides of said pail or vessel, of fasteners the lower ends of which embrace the inclined edges of said folds, and the upper ends of which penetrate the overlapping portions of said folds and the inner adjacent walls and are clenched against the inner sides of said walls, ears projected downwardly from said fasteners, and a tape or cord secured to said ears and forming a handle, and securing the top flaps of the pail or vessel in a closed position.

6. A paper vessel, comprising a folded blank having opposite sides *B*, each provided with a fold *b* bent back upon the side whereby the upper edge of the sides are reinforced, corner folds *F, G* folded outside of said sides *B*, and metallic securing devices having portions

passing through said folds F, G and engaged over the reinforced edges of the sides B, substantially as described.

5 7. A paper vessel, comprising a blank having opposite side folds, corner folds overlapped over said side folds, and a metallic securing device having portions bent over said corner folds, and a portion passing through said overlapped corner folds and engaging the

upper edge of the side fold, substantially as is described.

In testimony that I claim the foregoing as my own I hereto affix my signature in presence of two witnesses.

COLUMBUS G. SHIPLEY, JR.

Witnesses:

R. J. McCARTY,
CARL H. NOE.