

No. 886,058.

PATENTED APR. 28, 1908.

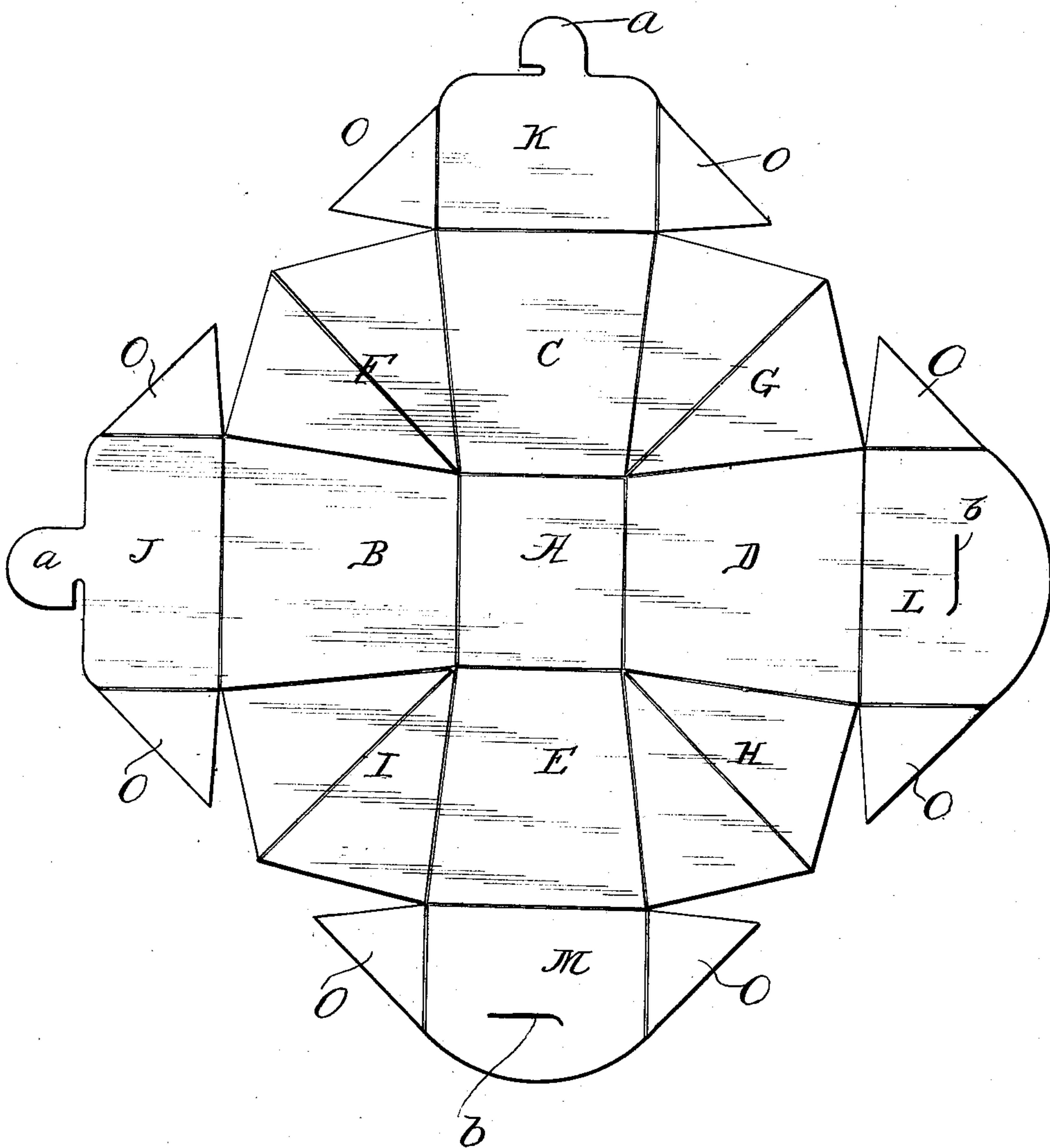
I. W. HOLLETT.

PAPER VESSEL.

APPLICATION FILED NOV. 9, 1898.

3 SHEETS—SHEET 1.

Fig. 1



Witnesses

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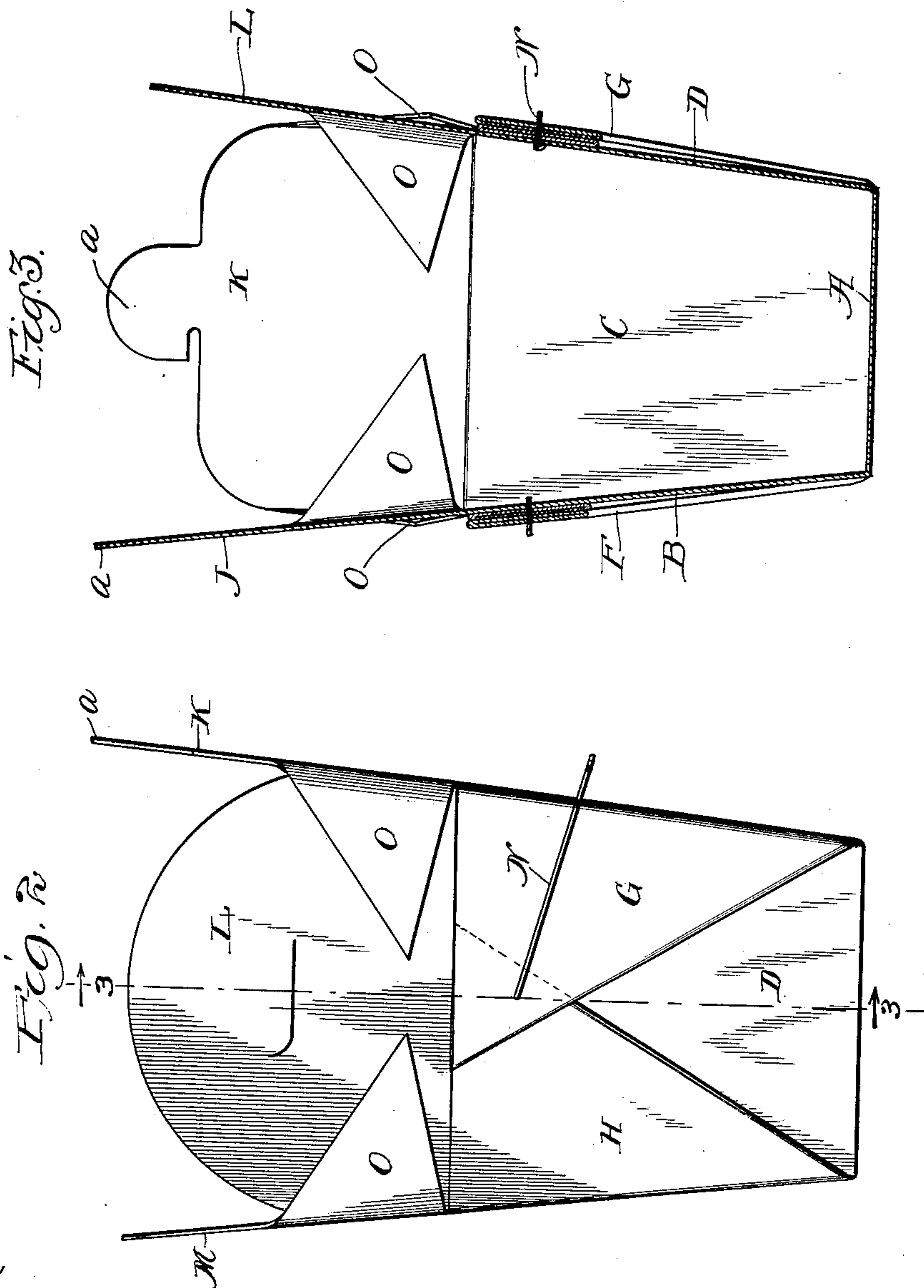
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3 SHEETS—SHEET 2.



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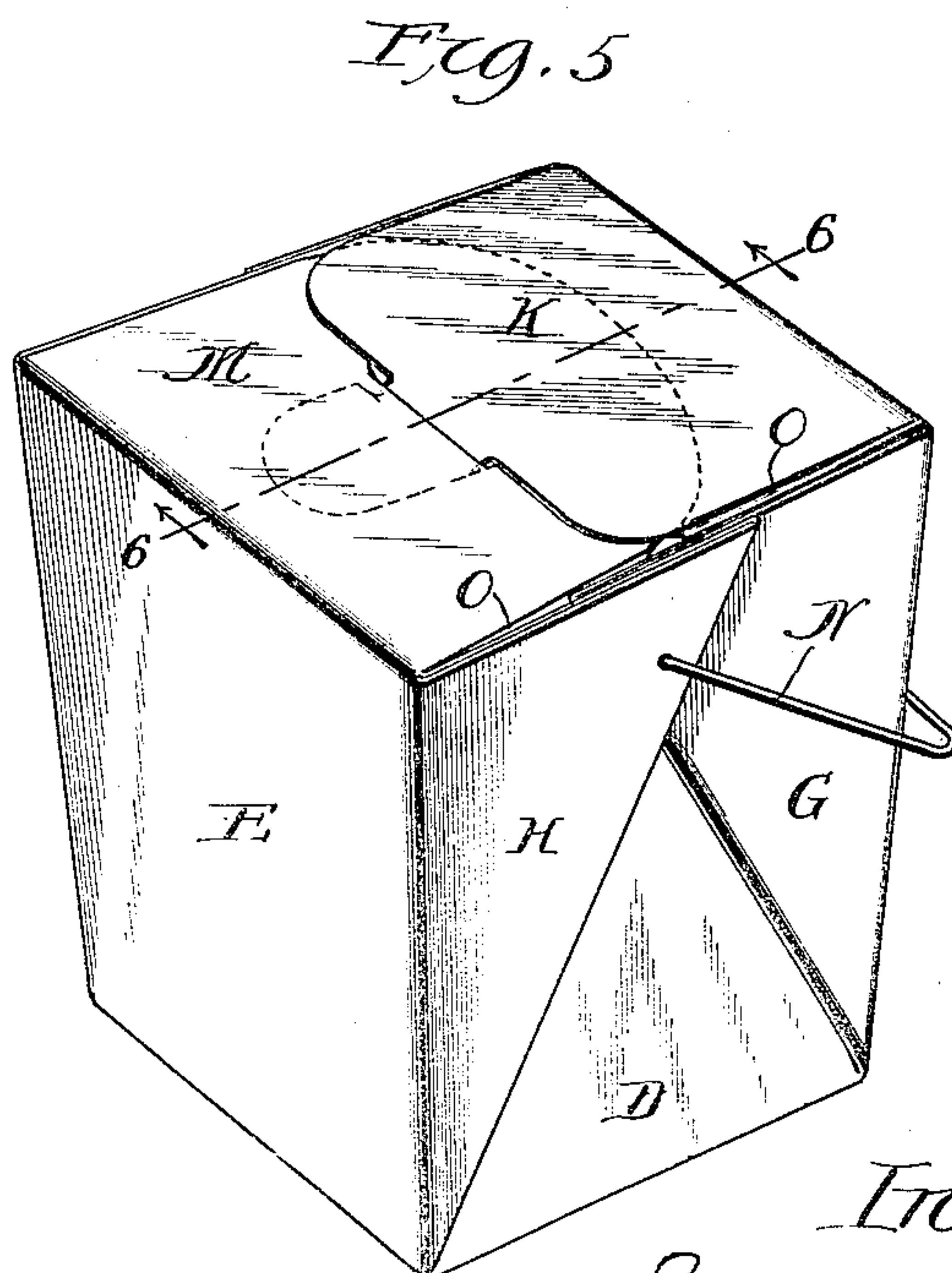
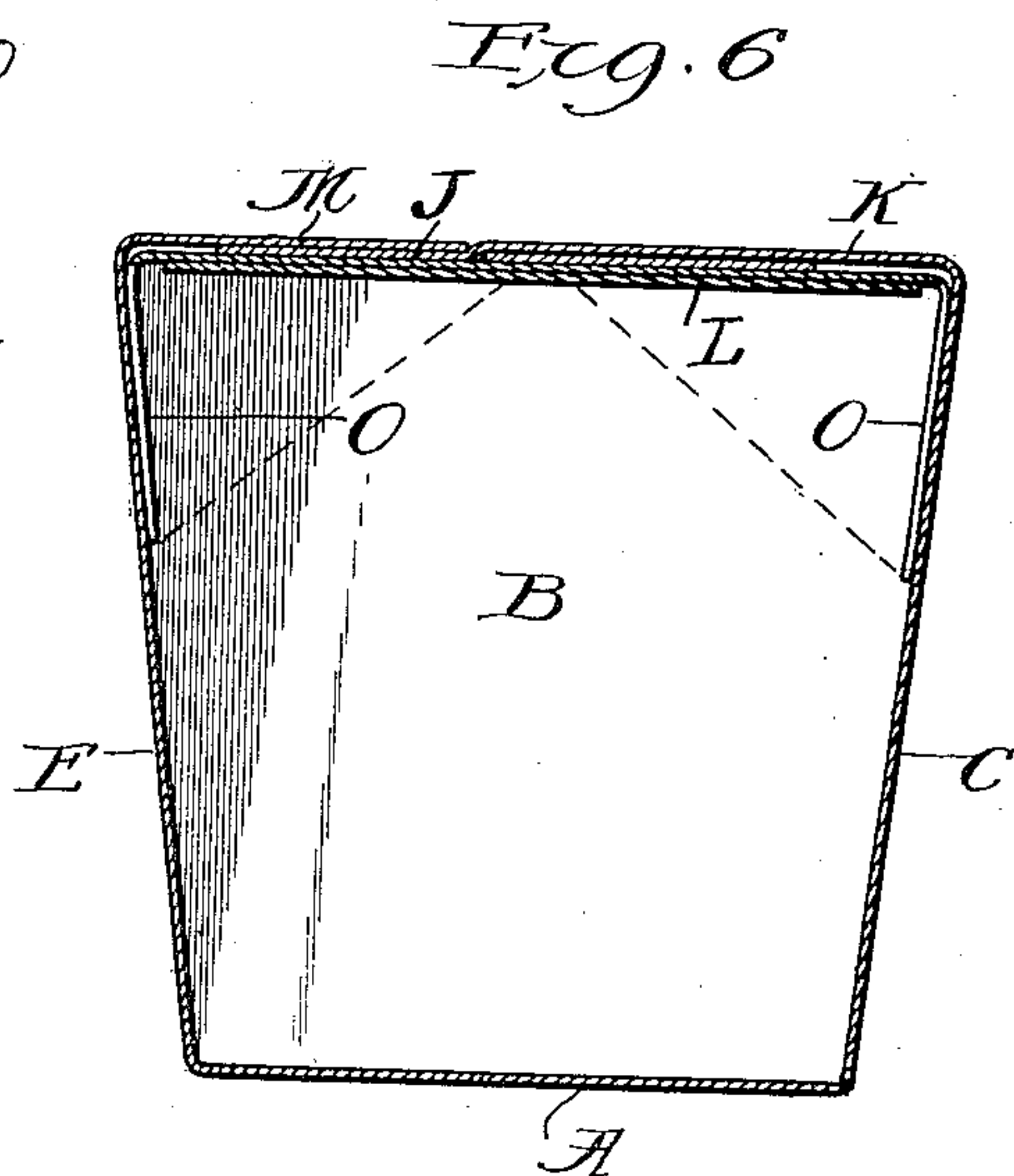
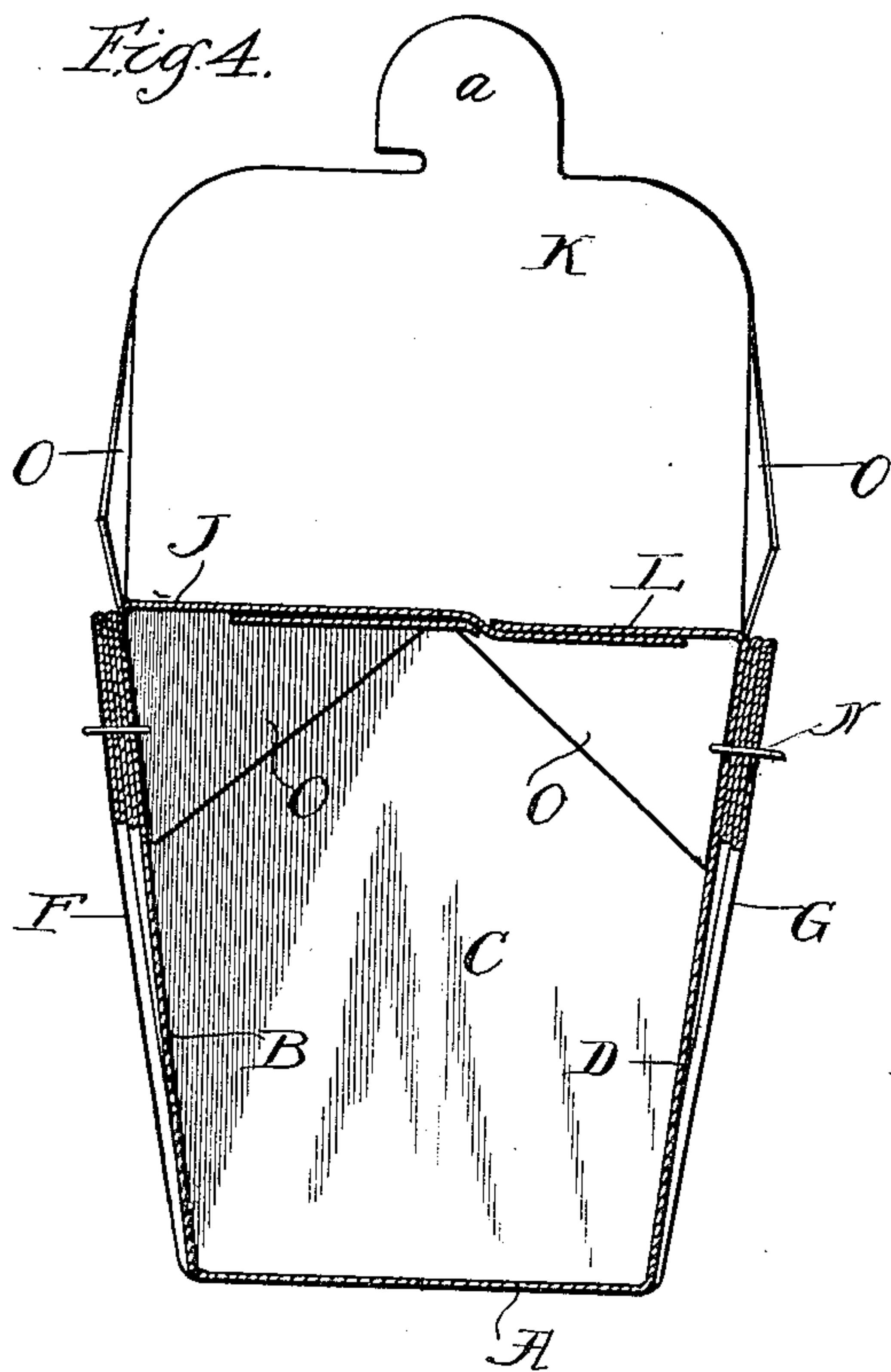
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3 SHEETS--SHEET 3.



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UNITED STATES PATENT OFFICE.

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PAPER VESSEL.

No. 886,058.

Specification of Letters Patent.

Patented April 28, 1908.

Application filed November 9, 1898. Serial No. 695,937.

To all whom it may concern:

Be it known that I, IRA W. HOLLETT, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Paper Vessels, of which the following is a description, reference being had to the accompanying drawings, forming part of this specification.

My invention has for its object primarily the provision of a paper pail or vessel, such as are used for carrying oysters, liquids and semi-liquids, which shall be substantially slop-proof, and in which the top flaps or lids, when closed, shall be firmly supported against indentation or depression into the body of the pail; and which, with these advantages, may be cut from the same sized blank of paper as has heretofore been necessary for pails of this character, not provided with my improvement.

In the accompanying drawings, Figure 1 is a plan view of the blank for my improved pail, properly cut and scored or creased for folding into pail-form; Fig. 2 is a side elevation of the pail folded from the blank of Fig. 1 with its lid or cover open; Fig. 3 is a middle vertical section on the line 3—3 of Fig. 2; Fig. 4 is a view corresponding to Fig. 3, with two of the cover flaps bent downward to horizontal position and interlocked with each other; Fig. 5 is a perspective view of the pail with the upper pair of cover flaps bent downward to horizontal position and interlocked with each other, to complete the closing of the vessel; and Fig. 6 is a middle vertical section of the closed pail along the line 6—6 of Fig. 5.

The same letters of reference are used to indicate corresponding parts in the several views.

Referring to the blank shown in Fig. 1, A represents the bottom; B, C, D, and E the four sides; F, G, H, and I the four corner folds; and J, K, L, and M the four cover flaps, the opposite flaps, J L and K M, being provided with cooperating hooks *a* and slits *b*. So much of the blank is old and such as is commonly employed in paper vessels of this character, and is folded into vessel-form in the usual manner, the corner folds I F being overlapped upon the outer face of the side B, and the corner folds H G upon the outer face of the side D, and the opposite ends of the bail N being passed through the

respective sides and overlapped corner folds, in the usual way, shown in Figs 2 and 3.

The novel feature of my improved pail consists in the provision of the parts O projecting from the opposite sides of the cover flaps—in the present instance from the opposite sides of each of the four cover flaps J, K, L, and M, though not essentially from more than one of said flaps, although preferably from at least two of them, as hereafter explained. The purpose and advantage of these parts will be apparent from Fig. 4 where the two cover flaps J and L are shown bent down to horizontal position and the hook of the flap J passed through and locked in the slit in the flap L. In this position of the flaps J L it will be seen that their parts O fit snugly against the inner faces of the opposite sides C E of the pail, Fig. 6, while the outer edges of said parts O abut and rest against the other two opposite sides B D of the pail. The provision of the projections O upon the cover flaps J L and their contact with the sides B D of the pail when the flaps are bent down to horizontal position to close the pail, as in Fig. 4, serves to firmly support the flaps J L when in closed position and brace them against any pressure tending to force them downward into the pail; while the snug fit of the parts O against the sides C E of the pail serves the further purpose of closing the pail more tightly and rendering it more difficult for any liquid contents of the pail to slop out while the pail is being handled or carried.

The principal purpose of my invention is served, and the greater portion of its advantages obtained, by simply providing two of the cover flaps with the projections O—the two flaps which are bent downward first and form the inner or lower half of the usual double cover, as do the flaps J L in the views shown in the drawing. But in the present instance I have also shown the flaps K M provided with like projections O, which, when said flaps K M are bent down to horizontal position, as in Fig. 5, are passed downward immediately adjacent the outer faces of the sides B D, between the latter and their overlapped corner folds F G, as shown in Figs. 5 and 6, thus still more effectually closing the pail, and further bracing the cover against downward pressure by reason of the contact of these latter projections O with the four corners of the folded pail at the junction of

the four corner folds with the four sides of the pail.

As heretofore stated, it is not absolutely essential that more than one of the cover flaps be provided with the projections O, since the provision of such projections upon one of said flaps (as, for instance upon the flap J) would serve to support the cover of the pail and brace it against downward pressure to a considerable degree; but it is preferable to provide two of the cover flaps (opposite ones) with the projections O, not only to more efficiently support and brace the cover, but to more tightly close the pail and to more effectively guard against its contents escaping, as before explained. When this is done it will, in some instances, be preferable to omit the parts O from the two remaining cover flaps (as from the cover flaps K M) since the closing of the vessel can then be accomplished more expeditiously than when such flaps are provided with the parts O O and the latter have to be inserted and passed downward between the sides of the pail and the overlapped corner folds.

So far as I am aware I am the first in the art to provide the cover flap or flaps of a paper pail of this character with projecting parts corresponding to and serving the purpose and function of the parts O above described, and I therefore desire to claim and secure as my invention, broadly, the employment of such parts in a pail of this character, and this whether they serve simply the one purpose of supporting and bracing the cover of the closed pail, or the double purpose of that function and the rendering of the pail more nearly slop-proof.

While of course it is always preferable to form a paper pail of this character from a single sheet or blank, yet the cover flaps of such pails are sometimes formed of separate pieces pasted or otherwise secured to the sides of the pail, and my invention contemplates the employment of the parts O upon any such attached cover flaps, as well as upon the integral flaps which I have illustrated and described.

Having thus fully described my invention, I claim:

1. A pail of the character described, provided with a plurality of cover flaps two of the flaps of which have substantially triangular parts O arranged to be inserted into the pail, the inner edge of each part O being adapted to engage the inner surface of the adjacent wall of the pail and the opposite edge of which is substantially straight and inclines upwardly to its flap and terminates at a point adjacent to the point of termination of the corresponding edge of an opposite flap when the cover is closed; substantially as described.

2. A pail of the character described provided with a plurality of cover flaps one of which has substantially triangular parts O on

opposite sides thereof, the inner edge of each part O being adapted to engage the inner surface of the adjacent wall of the pail and the opposite edge of which is substantially straight and inclines upwardly to its flap; substantially as described.

3. A pail of the character described, provided with a cover flap having substantially triangular parts O on opposite sides thereof, the inner edge of each part O being adapted to engage the inner surface of the adjacent wall of the pail and the opposite edge of which is substantially straight and inclines upwardly to its flap; substantially as described.

4. A paper pail of the character described provided with corner folds folded outwardly in pairs upon two opposite sides of the box, and having four flaps each provided upon its opposite edge with substantially triangular parts O, the parts O on two opposite cover flaps being adapted to be inserted in the end of the pail to engage with and abut against the inner surface of the respective adjacent side walls of the pail, the parts O on the other two flaps being in the completed box inserted between the outer surface of the other two sides and the pairs of corner folds which are folded outwardly against such sides; substantially as described.

5. The herein described blank for a paper vessel, composed of a bottom A, four sides B, C, D, and E, corner folds F, G, H, I, and four cover flaps J, K, L, M, two of said cover flaps, as J and L, being provided with the substantially triangular projecting parts O, substantially as and for the purpose set forth.

6. A blank for forming a paper vessel of the character described, said blank being substantially square in general outline and comprising a square bottom section whose edges are perpendicular to lines connecting the corners of the blank diagonally, side section connected to each other by triangular corner-fold sections, cover flaps constituting the corners of the blank attached to said side sections, and triangular parts attached to one of said cover flaps, the outer edge of said triangular parts being portions of the sides of the blank, and their inner edges being formed to abut against the adjacent side section when the box is folded into form; substantially as described.

7. A blank for forming a paper vessel of the character described, said blank being substantially square in outline, and comprising a square bottom section whose edges are perpendicular to lines connecting the corners of the blank diagonally, side sections connected by triangular corner-fold sections, cover flaps constituting the corners of the blank attached to two opposite side sections and triangular parts attached to said cover flaps, the outer edges of said triangular parts being portions of the four sides of the square

blank and their inner edges formed to abut against the adjacent side sections when the box is folded into form; substantially as described.

5 8. A blank for forming a paper vessel of the character described, said blank being substantially square in outline and comprising a square bottom section whose edges are perpendicular to lines connecting the
10 corners of the blank diagonally, side sections connected by triangular corner-fold sections which are adapted to fold outwardly, two of said corner folds being overlapped one upon
15 and the remaining two being similarly arranged on the opposite side, said pairs of corner-folds being secured to said sides by a bail in the completed box, cover flaps constituting the corners of the blank attached
20 to said side sections, and triangular parts attached to said cover flaps, the outer edges of said parts being portions of the four sides of the square blank and the inner edges of the
25 parts on two of said cover flaps being folded inside the box and arranged to abut against the adjacent side sections when the box is in folded form, the parts on the other two cover
30 flaps being disposed between the corner folds and the two sides of the box upon which such folds are folded; substantially as described.

9. A blank for forming a paper vessel of the character described, said blank being substantially square in outline and comprising a square bottom section whose edges are
35 perpendicular to lines connecting the corners of the blank diagonally, trapezoidal-shaped side sections connected by triangular corner-fold sections, said side sections forming the upwardly and outwardly flaring sides of the
40 box when in folded form, cover flaps consti-

tuting the corners of the blank attached to two opposite side sections and triangular parts attached to one of said cover flaps, the outer edges of said triangular parts being portions of the four sides of the square blank
45 and their inner edges formed to abut against the adjacent side sections when the box is folded into form; substantially as described.

10. A blank for forming a paper vessel of the character described, said blank being
50 substantially square in outline, and comprising a square bottom section whose edges are perpendicular to lines connecting the corners of the blank diagonally, trapezoidal-shaped side sections, forming outwardly and
55 upwardly inclined side walls in the completed box and connected by triangular corner-fold sections adapted to fold outwardly, two of said corner folds being overlapped one upon
60 the other on one side of the completed box and the remaining two being similarly arranged on the opposite side, said pairs of folds being secured to said sides by a bail in
65 the completed box, cover folds constituting the corners of the blank attached to said side sections, and triangular parts attached to said cover flaps, the outer edges of said parts being portions of the four sides of the square
70 blank and the inner edge of the parts on two of said cover flaps being folded inside the box and arranged to abut against the adjacent
75 side sections when the box is in folded form, the parts on the other two cover flaps being disposed between the corner folds and the two sides of the box upon which such folds are folded; substantially as described.

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Witnesses:

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