

No. 661,817.

Patented Nov. 13, 1900.

I. H. RICE.
PAPER VESSEL.

(Application filed Mar. 24, 1899.)

(No Model.)

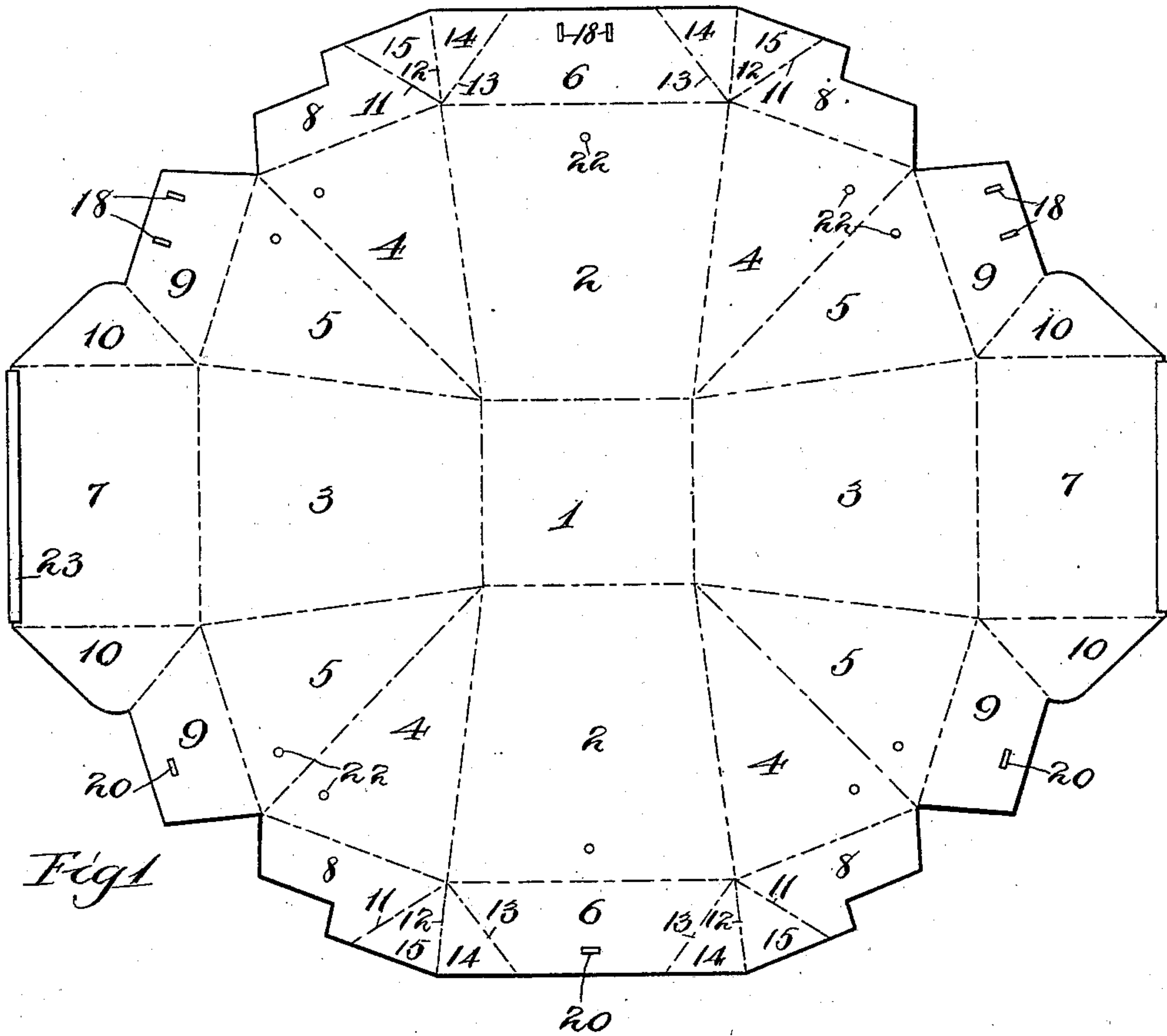


Fig 1

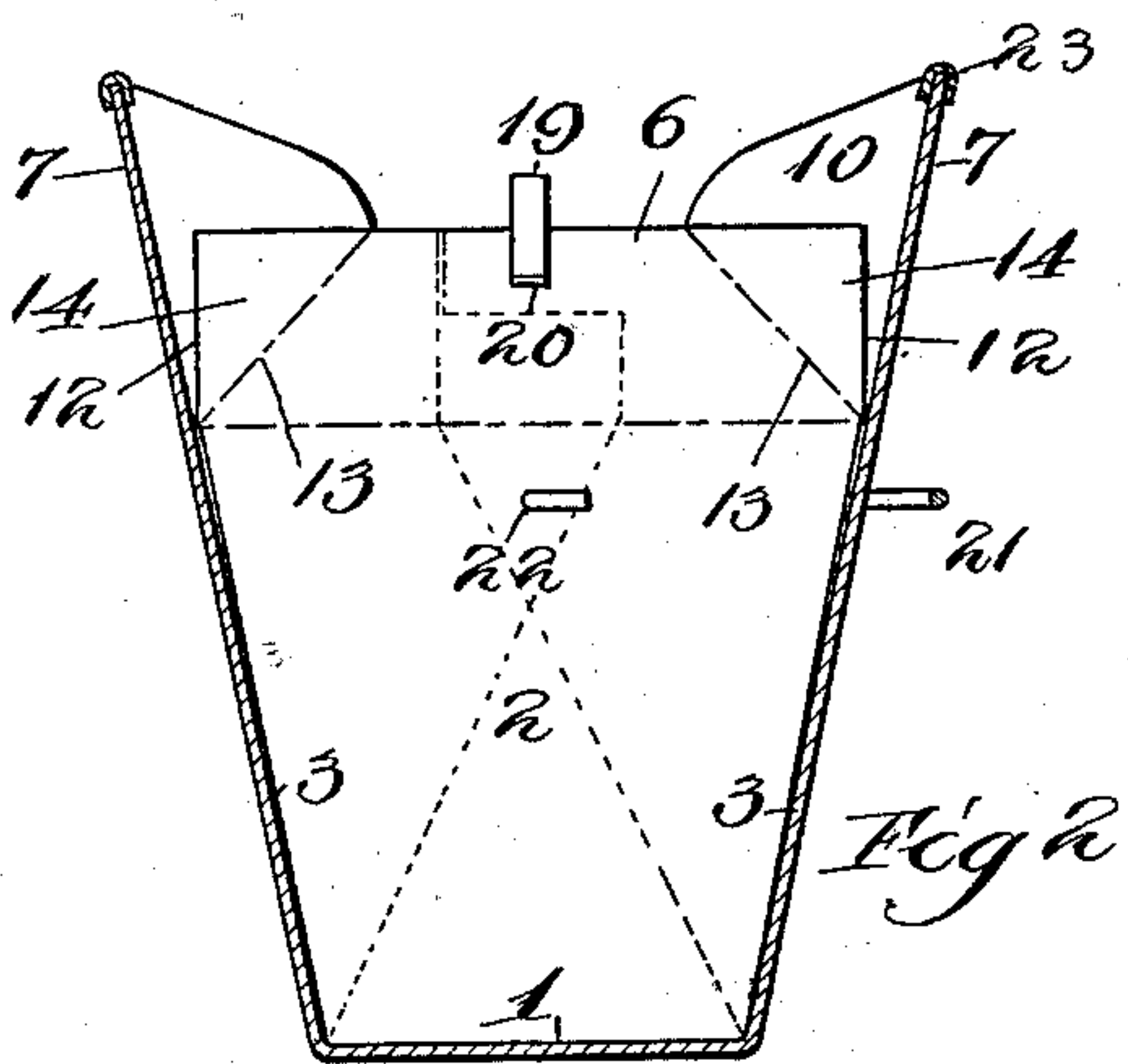


Fig 2

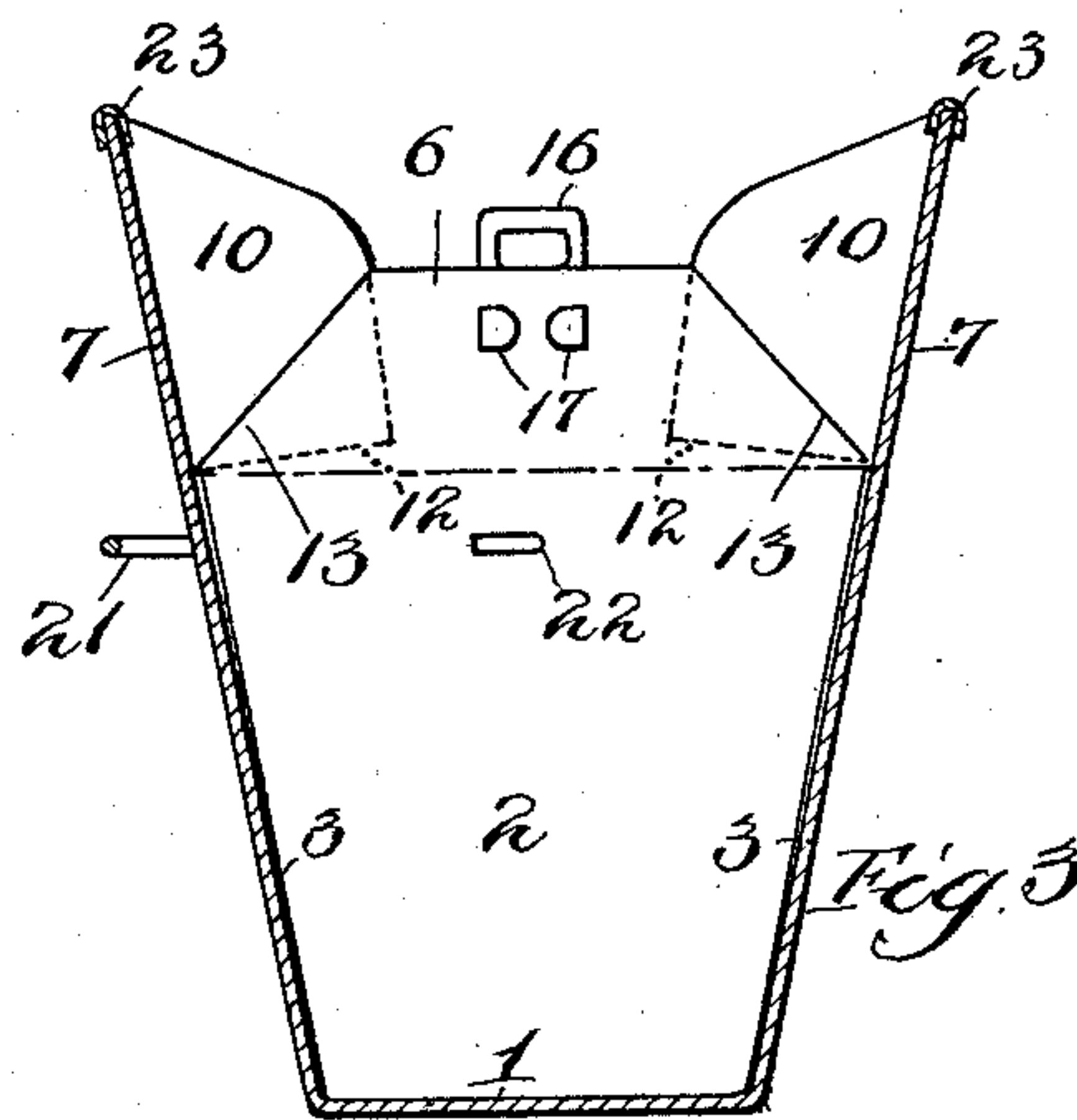


Fig 3

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UNITED STATES PATENT OFFICE.

IDA H. RICE, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE CHICAGO FOLDING BOX COMPANY, OF SAME PLACE.

PAPER VESSEL.

SPECIFICATION forming part of Letters Patent No. 661,817, dated November 13, 1900.

Application filed March 24, 1899. Serial No. 710,328. (No model.)

To all whom it may concern:

Be it known that I, IDA H. RICE, 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 specification.

My invention relates to paper vessels or pails for oysters and other like articles having a liquor or in a liquid condition; and its object is to provide a simple and efficient vessel for such purposes.

In the drawings, Figure 1 represents the blank from which the vessel is formed; Fig. 2, a sectional elevation of the box, showing the inner side wall in one condition of the top corner-folds; and Fig. 3, a similar view with such folds tucked in.

The blank shown in Fig. 1 is scored, as indicated by the dotted lines. Both the pail-body and the cover parts are made from the same blank. The pail-body comprises the bottom 1, sides 2, ends 3, and the pairs of corner-folds 4 and 5. The cover parts are made of extensions of the other or body parts. The sides 2 have extensions 6, and the ends 3 have extensions 7, forming a two-part lid. The folds 4 have extensions 8, while the folds 5 are provided with extensions 9. These extensions 8 may be cut away, as shown, so that there will be a less number of sections for the fastening devices to pass through when the pail is put together. The extensions 7 are provided with flaps 10, adjoining the extensions 9. Between each of the extensions 6 and 8 the score-lines 11, 12, and 13 form two triangular pieces or sections 14 and 15. The sections 8 and 9 are unconnected and are separated by a triangular or V-shaped space, so that when the blank is folded into a pail these sections are face to face, but do not fold upon each other.

Suitable fastening devices for the top may be adopted, and the fastening shown is composed of a tin piece 16, having tongues 17, received by the slits 18 in the blank, which piece is engaged by a flexible tin strip 19, passing through and secured at one of its ends in slits 20 in the blank.

The ends of the bail 21 pass through the holes 22 and are bent within the pail. The lids 7 may, if desired, be provided with

strengthening metallic strips 23, secured to the outer edges thereof.

The sections 2, 3, 4, and 5 of the blank are folded in the usual manner to form the pail-body, as shown in Figs. 2 and 3. The fastening devices are then inserted, holding together the extensions 6, 8, and 9. The triangular sections 14 and 15 may be left extending upwardly in the line of the side 2 and its extension, as illustrated in Fig. 2, or they may be folded back on the scores 11 and 13 and tucked between the sections 6 and 8, as illustrated in Fig. 3. Assuming that they are left as shown in Fig. 2, the tops 7 are successively folded downward to form the two-part lid, all the other extensions remaining above the top line or plane of the pail. This folding in of the top folds the triangular sections over between the extensions 6 and 10. The remaining extensions, which project from either side of the pail above the top line of the same, are then folded down toward each other and secured by the lock. When the sections 14 and 15 are tucked behind the extensions 6, the lids and other extensions are folded down, as in the other case.

The sides 2 and their extensions 6 thereon extend upward practically to the top line of the pail before the cover parts are folded down, and continuous unbroken side walls are formed so that the liquor cannot slop over, because there is no joint or opening in the side walls, and this is true whether the triangular sections are tucked in or not.

The function and purpose of the V-shaped opening in the edge of the blank between the extensions 8 and 9 is to permit the portions 4 and 5 to fold perfectly flat upon each, so that the bail side of the pail is comparatively flat. In case such V-shaped openings were not thus made the material at this place must necessarily be folded in between the portions 8 and 9 or left outside, so that in either case a flat fold would be impossible, whereas in my arrangement the two angular edges of such V-shaped opening lie side by side in a vertical plane when the blank is folded. That part of the pail which folds over the sides 2 is thus five ply to give the requisite strength and body, and, moreover, the portions 8, which form the second and fourth ply in the pail,

are cut away adjacent to the V-shaped openings to lessen the number of the flaps or portions through which the fasteners must pass, the two portions 9 and the extension 6 on each side being properly slitted for such fasteners.

I claim—

1. A paper vessel having a bottom 1, sides 2, ends 3, corner-folds 4, 5, extensions 7 on the ends to form a lid, extensions 6 on the sides, top corner-folds or extensions 8, 9 extending from the corner-folds 4, 5 and extensions or flaps 10 on the extensions 7, the extensions 7 being foldable to form a two-part lid and the extensions 6, 8, 9 and 10 being foldable upon the top of the lid, each of said extensions 8 having a portion cut away on its margin and foldable against the side extension 6, such vessel when folded having five plies or thicknesses beyond the sides 2, and fasteners secured to three of such plies but not secured to the extensions 8.

2. A paper vessel having a bottom 1, sides 2, ends 3, corner-folds 4, 5, extensions 7 on

the ends to form a lid, extensions 6 on the sides, top corner-folds 8, 9 extending from the corner-folds 4, 5 and having a V-shaped space between them, whose sides lie flat and side by side when the vessel is folded, and sections 14, 15 between the extensions 6 and 8, each of said extensions 8 being foldable against the side extensions 6.

3. A paper vessel having a bottom 1, sides 2, ends 3, corner-folds 4, 5, extensions 7 on the ends to form a lid, extensions 6 on the sides, top corner-folds or extensions 8, 9 extending from the corner-folds 4, 5, but unconnected to each other by reason of a V-shaped opening between them, and extensions or flaps 10 on the extensions 7, each of said extensions 8 having a portion cut away on its margin adjacent to said V-shaped opening and foldable against the side extensions 6.

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Witnesses:

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