

925,578.

Patented June 22, 1909.

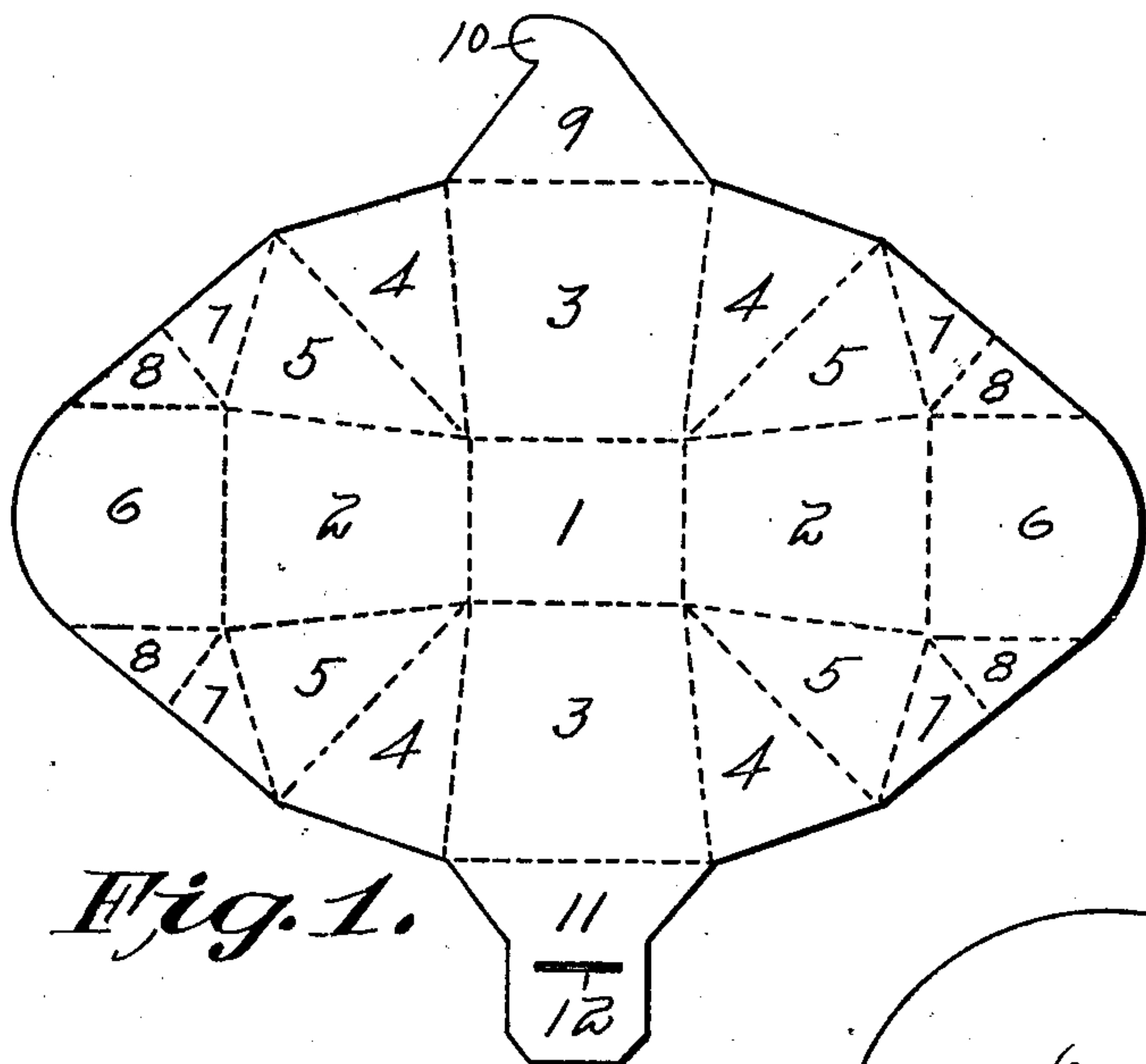


Fig. 1.

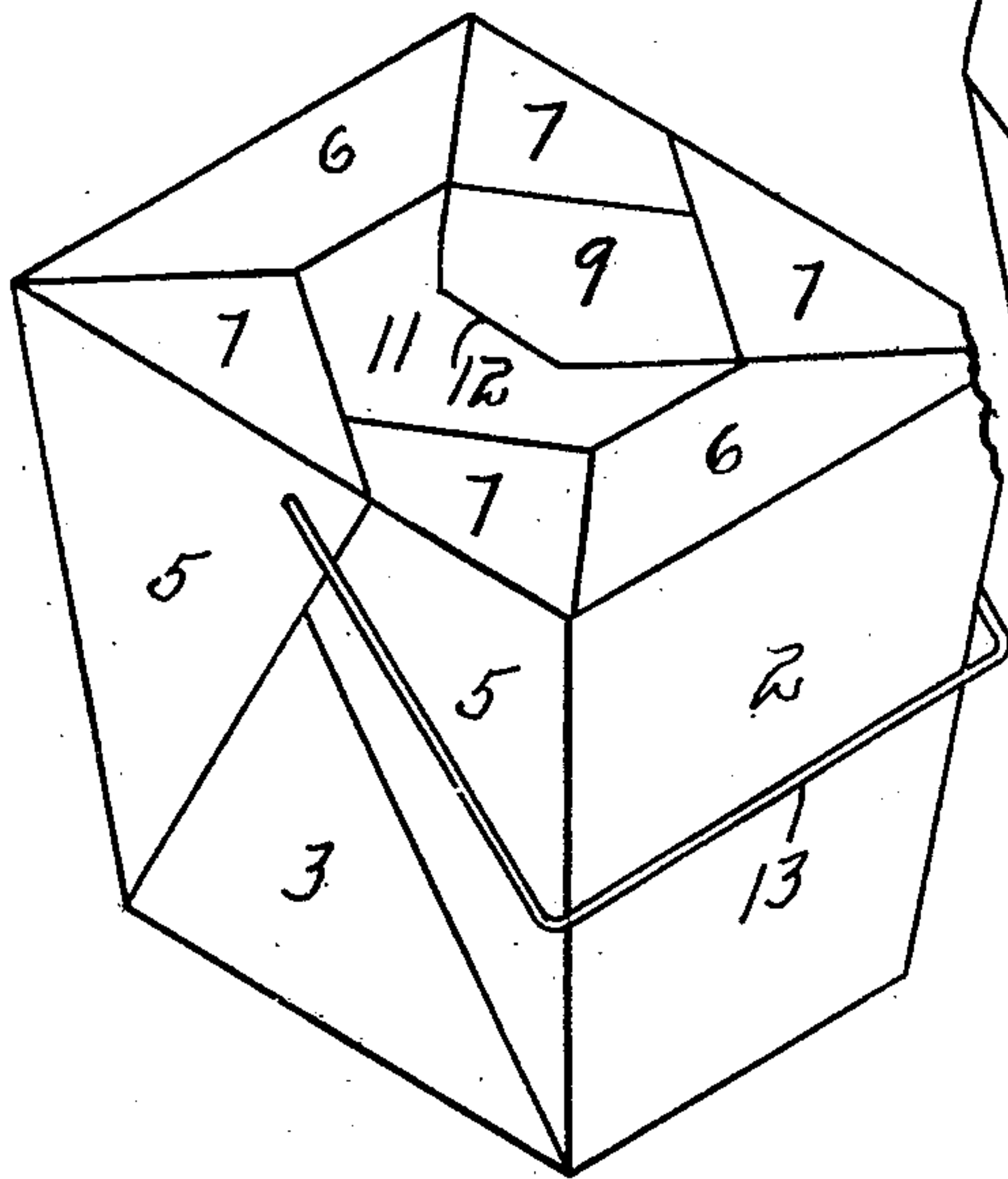


Fig. 2.

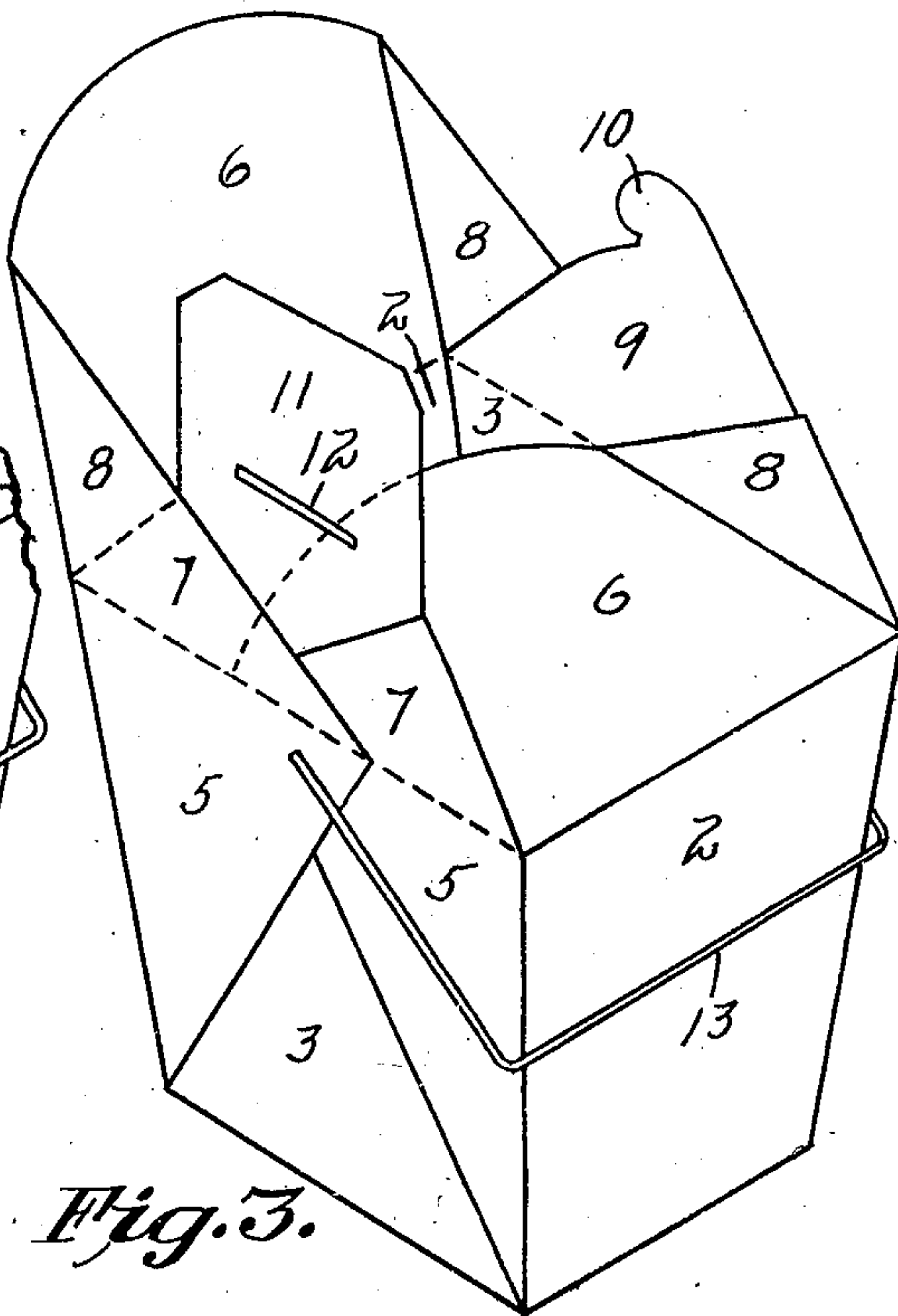


Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

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PAPER PAIL.

No. 925,578.

Specification of Letters Patent.

Patented June 22, 1909.

Application filed February 15, 1909. Serial No. 478,002.

To all whom it may concern:

Be it known that I, WALTER G. HAAS, 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; and I do declare the following to be a full, clear, and exact description of the invention, such as 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 figures of reference marked thereon, which form a part of this specification.

My invention relates to new and useful improvements in paper pails, such as are used by retail dealers for containing oysters, pickles, etc.

The object of my invention is to provide a paper pail having the new and useful features hereinafter described and claimed.

In the drawings, Figure 1, is a plan view of the blank from which the pail is formed. Fig. 2 is a perspective view of the pail as formed with the cover flaps folded or closed. Fig. 3, is a perspective view of the pail with the cover flaps partially closed.

In a detail description of the invention, similar reference characters indicate corresponding parts.

Referring to the drawings, the blank is scored to provide when formed into a paper pail a bottom 1, and four upright parts 2 and 3 forming the end and side walls, said parts being bent upright on the four score lines which surround the bottom. The two upright end walls 2 are provided with extensions or flaps 6 which are bent on intervening score lines to form an overlapping cover. The two upright side walls 3 are provided with extensions 9 and 11 which bend on intervening score lines above the cover extensions or flaps 6. The extension 9 is provided with a locking tongue 10, while the extension 11 is provided with a slit 12 to receive said tongue and thus said extensions are interlocked over the cover flaps 6.

Connecting the end and side walls 2 and 3, are overlapping triangular folds 4 and 5 which bend outwardly upon intervening oblique score lines and fold against the outer sides of the side walls 3 in the form of triangular folds, the upper ends of which overlap. The triangular folds 5 fold at right angles to the end wall 2 on score lines between said folds 5 and walls 2. The tri-

angular folds 5 are joined to the cover flaps 6, by marginal triangular folds 7 and 8 which fold together inwardly upon oblique intervening score lines, and on score lines between the folds 5 and the cover extensions 6. When the marginal triangular folds 7 and 8 are folded on their oblique intervening score lines, the folds 7 embrace a portion only of the outer sides of the overlapping locking extensions 9 and 11, and the folds 8 embrace a portion only of the inner sides of said locking extensions. The overlapping interlocking extensions 9 and 11, it will be seen, extend beyond the inclosing folds 7 and 8 which is rendered possible by forming the upper edges of the folds 7 and 8 on an incline to the score lines upon which said folds 7 and 8 are bent inwardly. The extensions 9 and 11 are thus enabled to overlap and interlock above the cover extensions 6. When closed, the outer side folds 5 are bound to the side walls 3 and securely close and cover the openings at the upper ends of the folds 5 and 4. The extensions 9 and 11 draw down and hold in place the folds 7 and 8, thus closing all openings and making the pail proof against the slopping of any liquid that may be contained therein.

The extensions 9 and 11, the cover flaps 6 with their embracing folds 7 and 8, rigidly brace the mouth of the pail when suspended with its contents by the wire bail 13. The ends of the bail penetrate the outer overlapping folds 5 and the walls 3, and thus the parts are maintained in contact, one with the other, to-wit—the folds 7 and 8 embracing portions of the inner and outer sides of the extensions 9 and 11, and the folds 5 embracing the outer sides of the side walls 3. The overlapping locking extensions 9 and 11, together with the marginal folds 7 and 8, are then bent inwardly to lock the cover on the score lines between the extensions 9 and 11 and the side walls 3, between the marginal folds 7 and the folds 5 between the marginal folds 8 and the cover extensions 6. The inward folding of the locking extensions 9 and 11, together with the marginal folds 7 and 8, embracing portions of said locking extensions, has the effect of imparting inward tension upon the cover extensions 6 to maintain them snugly in contact. The said tension is due to the resiliency created by folding the marginal extensions 7 and 8 against the opposite sides of the locking extensions 9 and 11, then bending said marginal exten-

sions and locking extensions 9 and 11 inwardly on the score lines between said locking extensions and the side walls 3 in locking said extensions 9 and 11, and to the further fact that the marginal folds 8 which lie on the inner sides of said locking extensions 9 and 11, are themselves extensions of the cover folds 6 6.

Having described my invention, I claim:

- 10 1. A paper pail having two upright end walls and two upright side walls joined by intervening triangular folds which fold against the outer sides of the side walls, the end walls having over-lapping extensions
15 which form the cover of the vessel, extensions extending from the side walls over-lapping and interlocking over the cover of the vessel, the edges of said extensions tapering inwardly from the points where they
20 join the side walls, and marginal triangular folds joining the cover extensions of the end walls and one of the triangular folds between the end and side walls, said marginal triangular folds folding against the inner and
25 outer sides of the over-lapping and interlocking extensions of the side walls, the bending lines of said marginal triangular folds registering with the tapered edges of said over-lapping and interlocking extensions.
- 30 2. A paper pail having two upright end walls and two upright side walls joined by upright triangular folds, the end walls having over-lapping cover extensions, the side

walls having interlocking extensions with their edges tapering from the points where they join the upper ends of the side walls, and triangular marginal folds which join the cover extensions of the end walls and the outer upright triangular folds, said triangular marginal folds folding against opposite
40 sides of the interlocking extensions of the side walls and bending on the same lines with said interlocking extensions when the latter are interlocked over the top of the vessel.

- 45 3. A paper pail having two upright end walls and two upright side walls joined by upright triangular folds which lie against the outer sides of said side walls, the end walls having overlapping cover extensions, triangular marginal folds, and interlocking
50 extensions joining the side walls and partially inclosed on opposite sides by said marginal triangular folds and extending beyond the upper terminals of said marginal triangular folds, and the said marginal triangular folds and extensions bending on the
55 same lines when said extensions are interlocked over the mouth of the vessel.

In testimony whereof I affix my signature, in the presence of two witnesses.

WALTER G. HAAS.

Witnesses:

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