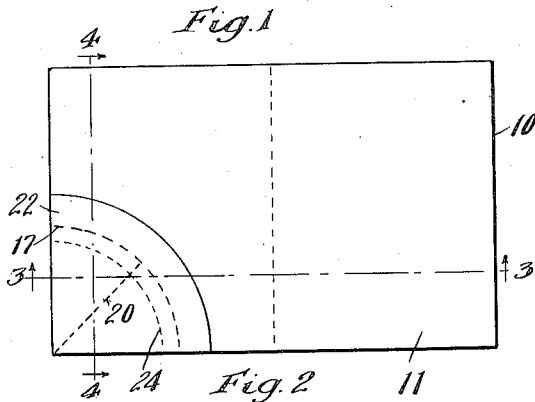
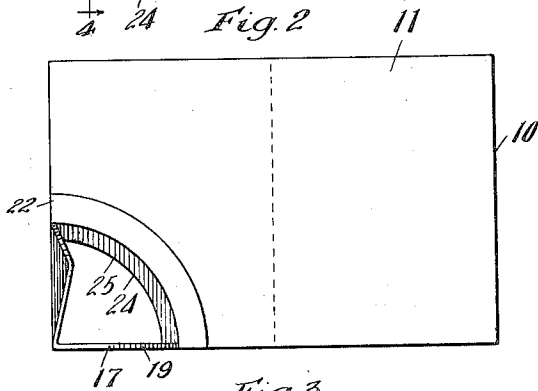
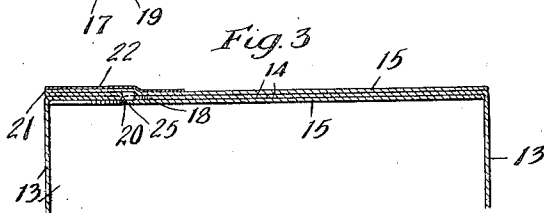
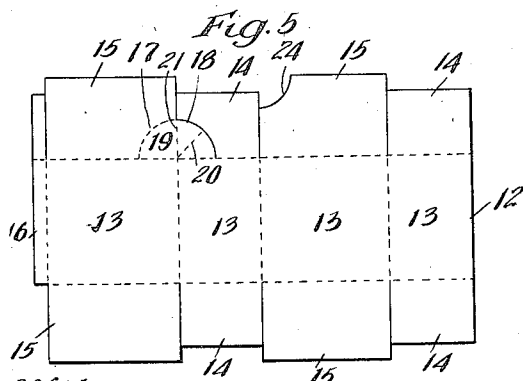
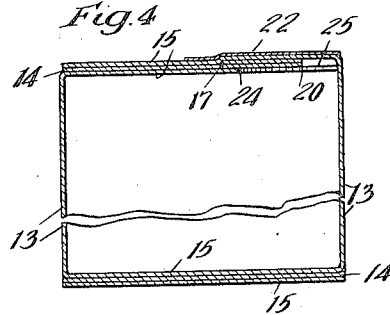


H. W. JONES.
PAPER WALLED CONTAINER VESSEL OR PACKAGE.
APPLICATION FILED DEC. 7, 1912.

1,092,148.

Patented Apr. 7, 1914.



Witnesses:

Wm. Geiger
Pearl Abrams.

Inventor:
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his Attys

UNITED STATES PATENT OFFICE.

HARRY W. JONES, OF CHICAGO, ILLINOIS, ASSIGNOR TO AMERICAN CAN COMPANY,
OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

PAPER-WALLED CONTAINER VESSEL OR PACKAGE.

1,092,148.

Specification of Letters Patent.

Patented Apr. 7, 1914.

Application filed December 7, 1912. Serial No. 735,362.

To all whom it may concern:

Be it known that I, HARRY W. JONES, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Paper-Walled Container Vessels or Packages, of which the following is a specification.

This invention relates to improvements in paper walled container vessels or packages provided with pouring spouts.

In selling many substances such as cereals, washing powders, breakfast foods, etc., it is desirable that the package or carton in which the materials are sold, be provided with pouring spouts so that the user will have no difficulty in pouring or measuring out the contents and which will also serve to prevent spilling of waste of the contents.

I am aware that packages or vessels have been provided which have parts thereof scored and adapted to be drawn out to form a pouring opening. Packages built in this way, however, are unsatisfactory, since there is no means provided for guiding the contents in a stream while the same are being poured from the package. On the other hand, it has sometimes been customary to provide packages with pouring spouts formed in a separate piece of material from that used in forming the main or body portion of the package. These constructions, however, increase the cost of manufacture of the package and this additional cost has prevented such packages from being universally adopted.

It is the object of my invention to provide a package or vessel of the type above indicated, which has a pouring spout formed integral with the material from which the body of the package or carton is formed, and to provide such a package at an expense not materially greater than is necessary to form a package or vessel of the same general shape and form which has no pouring spout.

The invention furthermore consists in the improvements in the parts and devices and in the novel combinations of the parts and devices as herein shown, described and claimed.

In the drawing forming a part of this specification, Figure 1 is a top plan view of a paper package embodying my improve-

ments showing the same as it is shipped to the user. Fig. 2 is a similar plan view of a package embodying my improvements, showing the same with the pouring spout opened and ready for emptying the contents. Figs. 3 and 4 are sectional views taken respectively on the lines 3—3 and 4—4 of Fig. 1, and Fig. 5 shows in outline, a blank from which the package shown in the other figures, is adapted to be formed and illustrating the lines upon which the blank is cut and scored before being folded.

In said drawing, the package is denoted generally by the reference 10 and as shown, comprises a multi-ply top 11 more particularly hereinafter described. The blank 12, from which the package is made up, is cut and scored at a single operation with the outlines as shown in Fig. 5, the full lines denoting the completely cut portions, and the dotted lines indicating the portions which are merely scored. The blank 12, when cut and scored, will be provided with four portions 13, which form the four vertical sides of the package; four small rectangular portions 14, which will substantially abut each other and form one layer of each multi-ply end of the box; four larger substantially rectangular portions 15, corresponding in size and shape to a transverse section of the package and which will overlap each other and form two of the layers of each multi-ply end of the package; and 16 is a small narrow portion which overlaps the opposite edge of the blank when the same is formed up.

To provide for and form the pouring spout, one of the rectangular portions 15 is provided with an arcuate score 17, and the adjacent portion 14 is provided with an arcuate cut 18, and the semi-circular portion 19 included within the arcuate score and cut is scored radially in two lines, as shown at 20 and 21. When the carton is formed, the semi-circular portion 19, which forms the spout, will double on itself on the radial line 20, as shown in Fig. 3, and this doubled-over portion will fold on the radial line 21, as also shown in Fig. 3. When in this condition, the pouring spout will be held down by means of a sticker or label which may be provided with directions for opening the package if desired. When the package is to be opened, the user tears off

the sticker or label 22 and by inserting his finger nail or knife or other suitable instrument beneath the folded portion 19 and raising the same, will tear the material 5 along the arcuate score 17 to thereby form a spout at the corner of the package having intersecting side walls 23. The other portion 15 of the blank, at the same end of the package as that out of which the pouring 10 spout is torn, is cut out as at 24, to provide an opening through which the contents will pass. This opening may be made of any desired size to thereby regulate the flow of the contents, but preferably the portion 24 15 is cut on a radius shorter than the radius of the arcuate scored and cut portions 17 and 18, so that a ledge or shelf 25 will be provided on which the pouring spout when folded, will rest.

20 Although I have herein shown and described the integral pouring spout as located at the corner of the package, yet it will be apparent to those skilled in the art, that by properly arranging the cut and scored por-

tions, the pouring spout may be located in 25 other positions.

From the foregoing description it will be seen that I have provided a package having an integral pouring spout which can be manufactured at slightly more than the 30 same cost as could a similarly shaped and formed package which has no pouring spout, the cuts and scores employed in forming the spout, being made at the same time that the blank is cut and scored for folding. 35

I claim:—

A carton of the character described comprising a body formed of fibrous material folded into box form and having an integral pouring spout attached at two of its sides 40 to the carton, one-half of said pouring spout being inwardly folded upon itself to close the box, substantially as specified.

HARRY W. JONES.

Witnesses:

PEARL ABRAMS,
JOSEPH HARRIS.