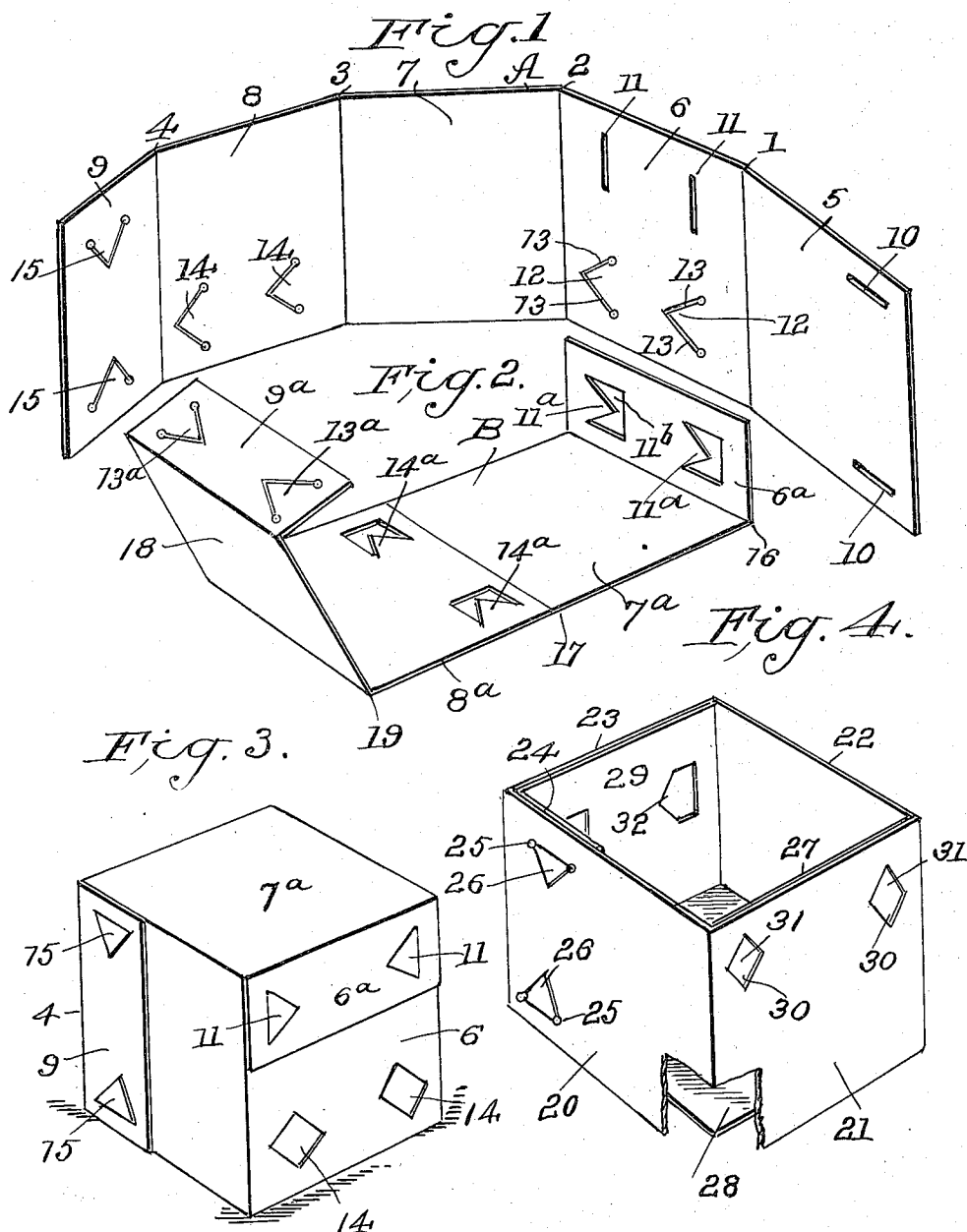


J. C. ZEMLO.
PAPER BOX.
APPLICATION FILED APR. 9, 1915.

1,155,986.

Patented Oct. 5, 1915.



Witnesses
J. A. Ryan
W. B. Bumpers

Inventor
J. C. Zemlo
By *[Signature]* Attorney

UNITED STATES PATENT OFFICE.

JOHN C. ZEMLO, OF BEAVER DAM, WISCONSIN.

PAPER BOX.

1,155,986.

Specification of Letters Patent.

Patented Oct. 5, 1915.

Application filed April 9, 1915. Serial No. 20,246.

To all whom it may concern:

Be it known that I, JOHN C. ZEMLO, citizen of the United States of America, residing at Beaver Dam, in the county of Dodge and State of Wisconsin, have invented certain new and useful Improvements in Paper Boxes; and I do hereby 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.

This invention relates to paper boxes, designed for containing berries, fruit, or other materials or articles, and one of the principal objects of the invention is to provide a box to be made of paper stock, card-board, or similar material in which the blank is cut without waste and comprises two strips of material interlocked by tongues or projections and not requiring the use of any extraneous substance or means for holding the box in form.

Another object of the invention is to make a closed paper box of two strips of material which can be cut without waste from large sheets, and which can be quickly assembled to form a complete box inclosed upon all sides and ends, and which can be shipped flat and assembled at the time they are to be filled or used.

The foregoing and other objects may be attained by means of the construction illustrated in the accompanying drawing, in which—

Figure 1 is a perspective view of one member of the blank for forming the box, Fig. 2 is a similar view of the other member, Fig. 3 is a perspective view of the two members of the box assembled and folded to form an inclosed container or box, and Fig. 4 is a perspective view of an open top box such as is used for fruit, berries, and similar products.

Referring to the drawing, A designates generally one member of the paper box and B is the other member thereof. It will be noted that these two members each are in the form of a strip of paper stock, card-board or similar paper material which can be cut from a sheet without waste, and in which there is no part of the material cut away. The member A may be provided with lines of folds or scored lines 1, 2, 3, and 4, thus forming the folding lines between the mem-

bers 5, 6, 7, 8, and 9. The section 5 of the box is provided with two horizontal slits 10 near the top and bottom thereof and near the outer edge. The member 6 is provided with two slots or slits 11 disposed vertically near the upper edge of said member, while near the lower edge two horizontally projecting V-shaped tongues 12 are cut from the body of the material by the V-shaped slits 13. The member or section 7 is imperforate. The section 8 is provided with two horizontally projecting V-shaped tongues 14 near the lower edge of the section. The flap 9 is provided with oppositely projecting vertically arranged tongues 15, said tongues being of V-shape and projected one toward the other. The member B forming the other element of the box is provided with a flap 6^a having V-shaped tongues 11^a cut therefrom and disposed in the rectangular spaces 11^b. The flap 6^a is foldable upon the line 16. The section 7^a is imperforate, and when folded this section forms the bottom of the box. The section 8^a is foldable on the line 17, and is provided with V-shaped tongues 14^a which are adapted to interlock with the tongues 14 of the section 8 shown in Fig. 1. The section 18 which forms the top of the box is foldable upon the line 19. The flap 9^a is provided with oppositely disposed tongues 13^a which interlock with the tongues 15 of flap 9.

In assembling the two members of the box, the flap 6^a is folded at right angles on the line 16, and the tongues 11^a are interlocked with the tongues 12 of section 6. The member A is then folded on the lines 2 and 3, and the member B is folded on the line 17 to bring the tongues 14^a into coincidence with the tongues 14, after which these tongues are interlocked. The flap 9^a is then folded on the line 4 and the tongues 15 are inserted in the slits 10 of section 5 to thus complete the box and to permit the cover member 18 to be folded over the box and the tongues 13^a inserted in the slits 11 of section 6, thus forming an inclosed box, as shown in Fig. 3 of the drawing.

In forming the box shown in Fig. 4 which is provided with an open top and is designed more particularly for use in containing berries and fruit, one strip of paper stock or other material is provided with four sections 20, 21, 22, and 23, and a flap 24. The section

20 is provided with two horizontally disposed slits 25 to be engaged by the oppositely projecting tongues 26 on the flap 24, thus forming a rectangular shell without a bottom. The bottom and two reinforcing sides are formed of a single strip of material comprising the side reinforce 27, the bottom 28 and the opposite side reinforce 29. It is to be noted that the bottom 28 is disposed above the lower edge of the sections 20, 21, 22 and 23. The section 27 is provided with tongues 30 which interlock with tongues 31 formed on the section 21, and the section 23 is provided with tongues 32 which engage similar tongues on the section 29, thus making a strong durable box having an open top and a slightly raised bottom.

From the foregoing it will be obvious that a box made in accordance with this invention can be cut from paper stock without waste, can be shipped flat and assembled at the time they are to be used, will not require any extraneous means for connecting the parts together to form the box, and when assembled will form a strong, durable and efficient box for its purpose, either provided with a cover or having an open top.

Various changes may be made in the details of construction without departing from the spirit and scope of the invention as defined in the claim.

What is claimed is:—

A knockdown paper box comprising a single strip of material forming a back wall, a front wall, and side walls and a flap, oppositely disposed tongues struck out from said flap adapted to engage in slots formed in said front wall, tongues formed on said side walls adjacent the lower edge thereof, and a similar strip of material forming a top and a bottom and having a right angular flap on said bottom, a reinforcing side wall connecting said top and bottom, and a flap formed on said top, tongues struck out from said right angular flap and said side wall adjacent said bottom, said tongues being adapted to interlock with the tongues formed on said side walls whereby said bottom is held in position, and said reinforcing wall is held in engagement with the side wall and reinforcing the same, and oppositely disposed tongues struck out from said flap formed on said top and adapted to engage in a pair of vertical slots formed in one of the side walls whereby said top is held in position.

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

JOHN C. ZEMLO.

Witnesses:

JAMES F. HEALY,
J. D. HILLIER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."