A. J. VANCE.

FOLDING PAPER BOX.

APPLICATION FILED OCT. 25, 1912.

1,081,068.

Patented Dec. 9, 1913.

2 SHEETS—SHEET 1.

Fig. 1.

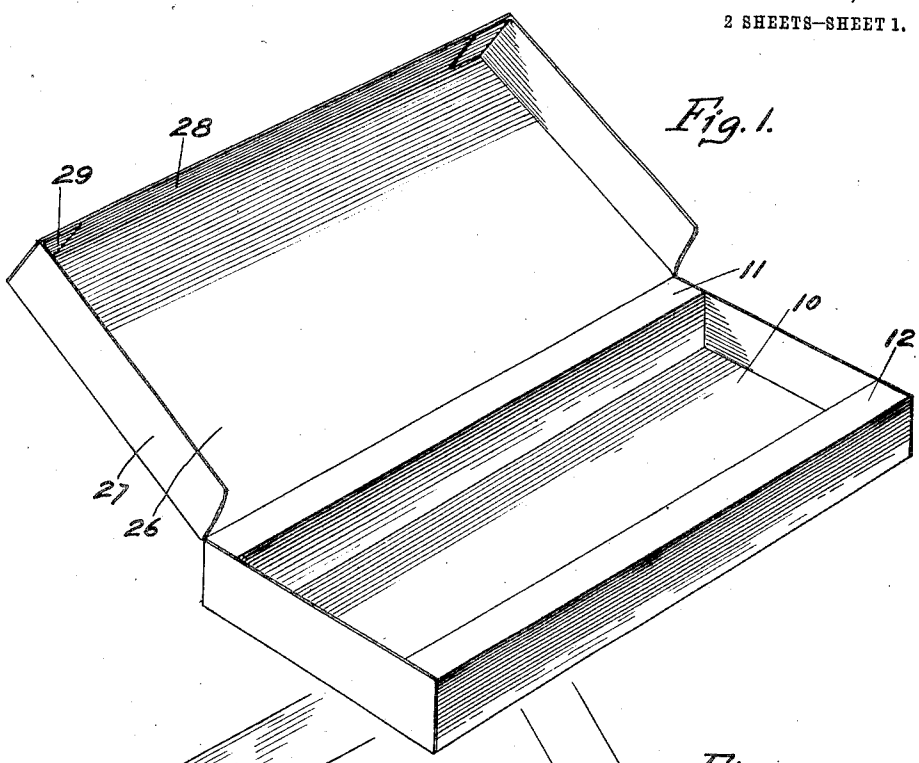
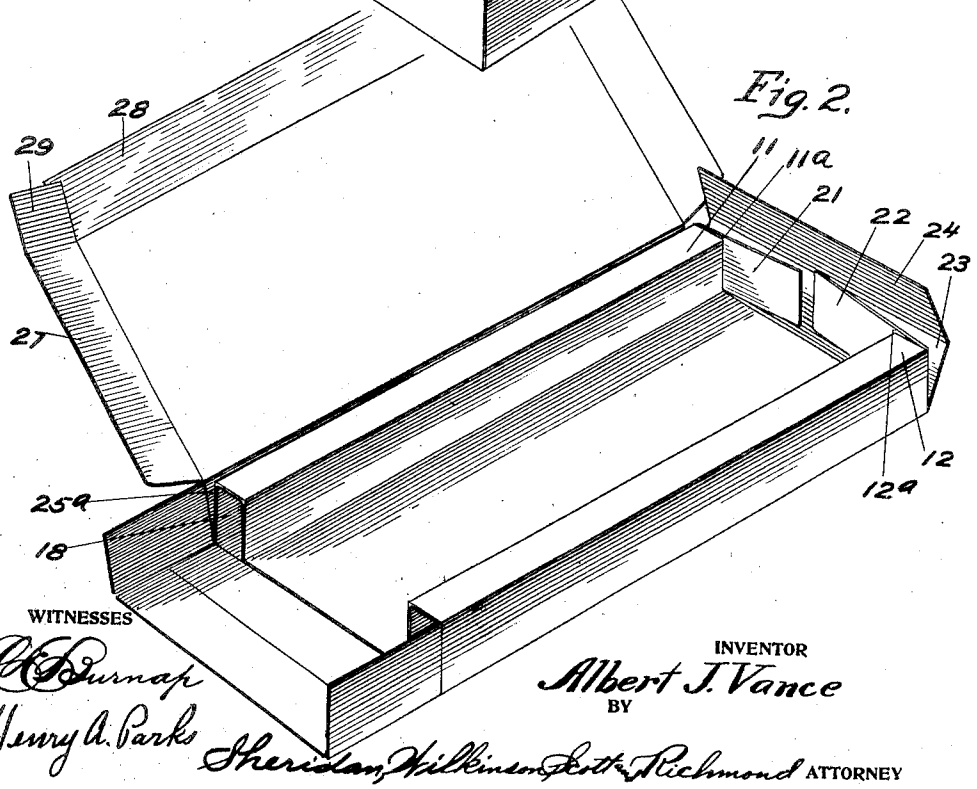


Fig. 2.



WITNESSES

C. E. Burnap

Henry A. Parks

INVENTOR

Albert J. Vance

BY

Sheridan, Wilkinson, Lott & Richmond ATTORNEY

A. J. VANCE.

FOLDING PAPER BOX.

APPLICATION FILED OCT. 25, 1912.

1,081,068.

Patented Dec. 9, 1913.

2 SHEETS—SHEET 2.

Fig. 3.

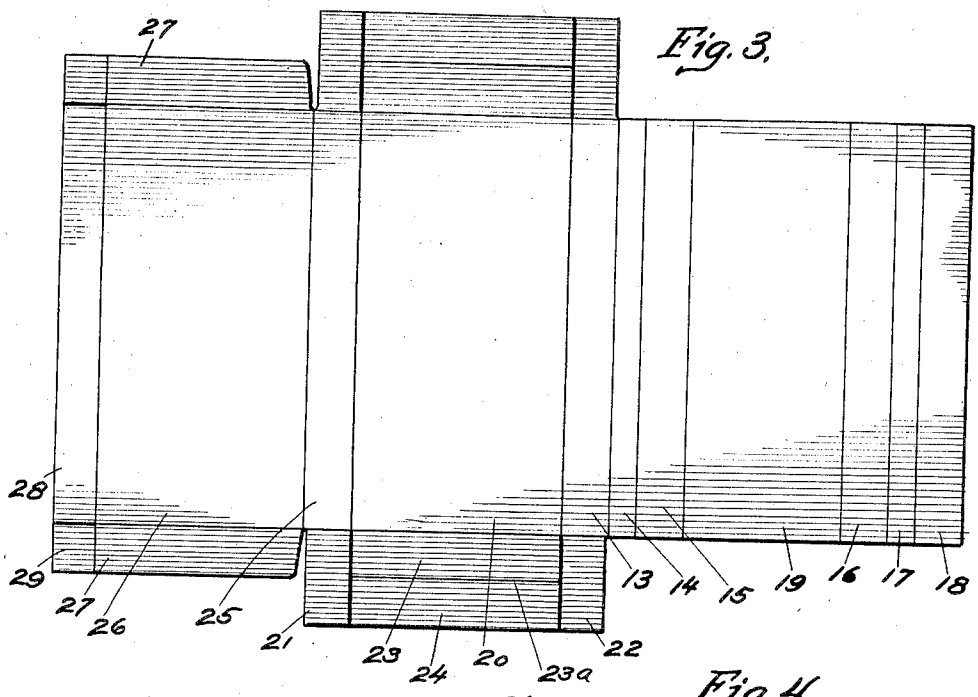
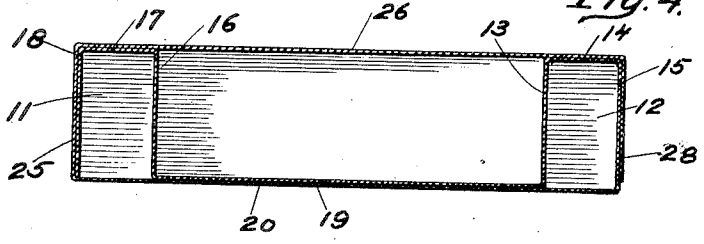


Fig. 4.



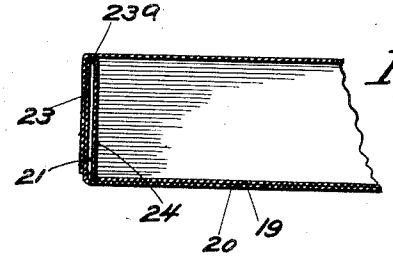


Fig. 5.

WITNESSES

C. E. Burnap

INVENTOR

Albert J. Vance

BY

Henry A. Parker & Sheridan, Wilkinson, Scott & Richmond

ATTORNEY

UNITED STATES PATENT OFFICE.

ALBERT J. VANCE, OF CHICAGO, ILLINOIS.

FOLDING PAPER BOX.

1,081,068. Specification of Letters Patent. Patented Dec. 9, 1913.

Application filed October 25, 1912. Serial No. 727,721.

To all whom it may concern:

Be it known that I, ALBERT J. VANCE, 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 Folding Paper Boxes, of which the following is a specification.

The object of my invention is to provide a folded paper box for holding and displaying chewing gum or other articles of small size.

A particular feature of my box is the tubular construction of its side walls whereby strength is added to the box.

A particular feature of my box is that it is made of a single sheet of material, the cover also being formed from said sheet thereby saving labor in manufacture and economizing material. The box being made of a single sheet of material the printed matter on it may be put on in a single operation. As the box is retained in its completed form without the use of binding strips the inscriptions printed directly on the blank will be exposed on the outside of the box when folded into completed form for use.

Other objects and advantages of my improved box will be readily apparent in the specification, when taken in connection with the accompanying drawings, in which—

Figure 1 is a perspective view of the completed box with the cover in an open position. Fig. 2 is a perspective view of the same partly folded. Fig. 3 shows the blank from which the box is made. Fig. 4 is a cross section of the box; and Fig. 5 is a longitudinal section of one end of the box.

Referring to the drawings, it will be seen that I provide the box with a main compartment 10 for receiving the articles which it is designed to hold and to display. At either side of said compartment are narrow longitudinal compartments 11 and 12 which are entirely inclosed by four walls made of the same sheet of material of which the entire box is made. These longitudinal or tubular compartments 11 and 12 are formed by folding the narrow strips 13, 14 and 15, and 16, 17 and 18 into rectangular form above the bottom of the box. The intermediate strip or section 19 forms one of the layers of the double bottom which is placed in contact with the wide strip 20, which forms a second layer of the double bottom.

At the ends of the narrow strip 13, and a similar strip 25, are flaps 21 and 22 which are folded across the open ends of the narrow longitudinal compartments to close them. Other flaps 23, 24 at the end of the wide strip 20 are provided with a crease 23^a between the two portions 23, 24 to permit their being folded around the flaps 21, 22.

The flaps 23, 24 are shown partly folded in Fig. 2 and when completely folded the portion 24 thereof will have a position between the flaps 21, 22 and the ends of the compartments 11 and 12 at the points 11^a and 12^a, respectively. When thus folded they form a locking means for retaining the body of the box in its desired form, as well as forming a closure for the ends of the narrow compartments. The upper layer 19 of the bottom serves to hold the edges of the flaps 24 in place when folded in their final positions.

It will be seen that the creases in the blank shown in Fig. 3 are so placed as to permit the folding of the parts above described successively into their final positions with great facility. The cover is also formed of the same blank and permits a convenient folding of the parts that make it.

The main body of the cover is composed of the wide strip 26 which joins the narrow strip 25. The said strip 25 is first folded up into contact with one side of the tubular compartment 11, as shown at 25^a in Fig. 2. The end strips 27 may then be folded inwardly and a small corner piece 29 which is integral with the strip 27, but separate from the strip 28, is folded within said strip 28. A small quantity of glue may be placed upon the outer surface of the corner piece 29 where it comes in contact with the inner face of the strip 28. This makes the cover complete.

While I have described more or less precisely the details of construction, I do not wish to be understood as limiting myself thereto, as I contemplate changes in form and the proportion of parts and the substitution of equivalents as circumstances may suggest or render expedient without departing from the spirit of my invention.

I claim:

1. An integral blank for forming a knock-down box, comprising a central portion to form the bottom of the box, strips along opposite edges of said central portion to form the sides of the box, a portion adjoin-

ing one of said strips adapted to be folded over said bottom portion and to form tubes along each side thereof, flaps at the ends of said strips adapted to be folded across the ends of said tubes, and flaps at the ends of said central portion adapted to be folded over said first flaps and to be inserted between the same and the ends of said tubes.

2. In a knock-down paste-board box, a body portion comprising a bottom formed of two superposed layers of paste-board, closed hollow portions along two opposite edges of and formed integrally with the upper layer of said bottom, end flaps folded across the ends of said hollow portions, enveloping flaps formed integrally with the lower layer of said bottom and folded around said end flaps between the same and the ends of said hollow portions, and a cover formed integrally with the lower layer of said bottom.

In testimony whereof, I have subscribed my name.

ALBERT J. VANCE.

Witnesses:
CHARLES E. BURNAP,
HENRY A. PARKS.