

W. C. WILLETS.
FOLDING BOX.
APPLICATION FILED APR. 25, 1910.

Patented Nov. 19, 1912.

2 SHEETS—SHEET 1.

1,044,960.

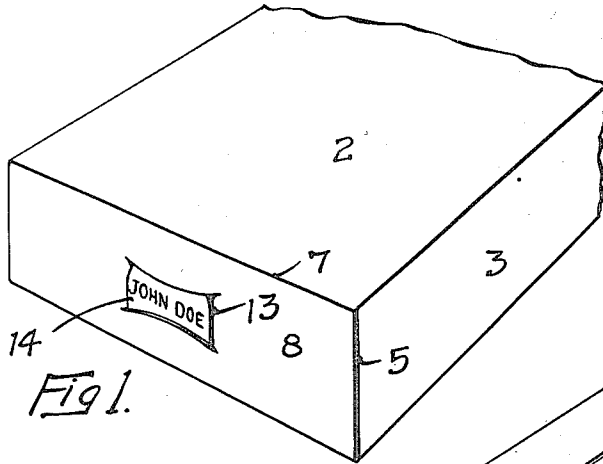


Fig. 1.

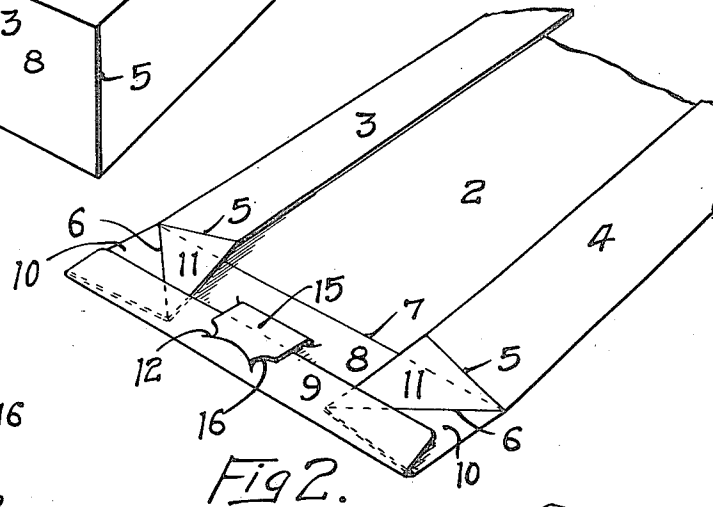


Fig. 2.

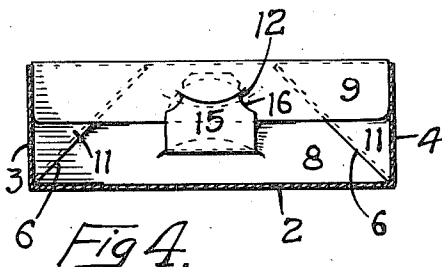


Fig. 4.

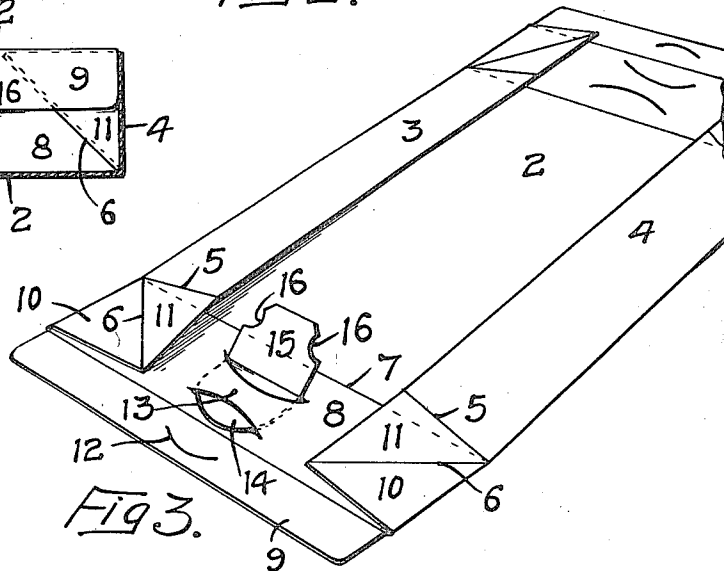


Fig. 3.

WITNESSES
W. W. Watson
J. A. Byrne

INVENTOR
WILLIAM C. WILLETS
BY *Paul & Paul*
ATTORNEYS

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2 SHEETS—SHEET 2.

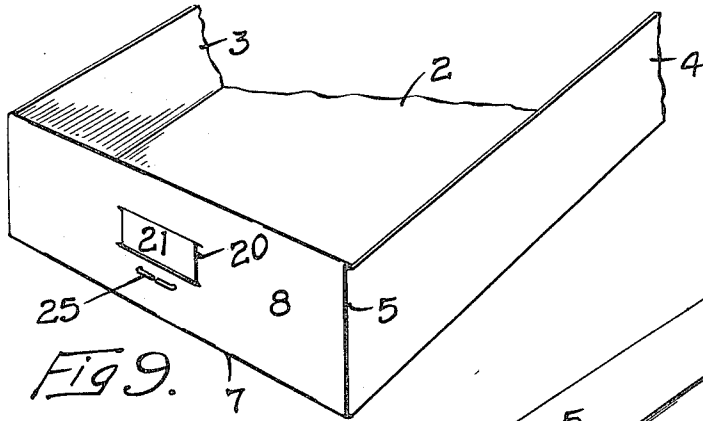


Fig. 9.

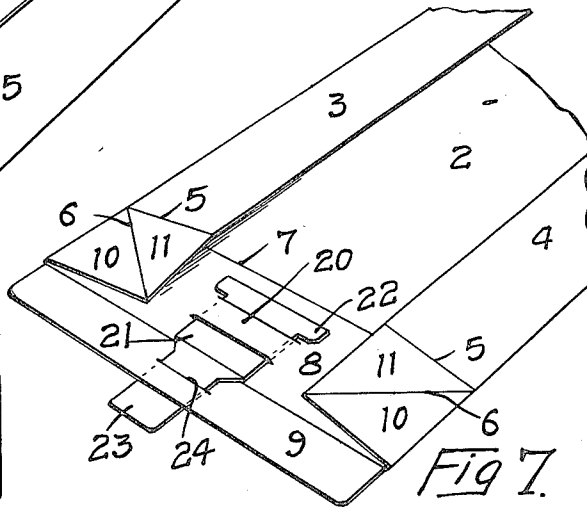


Fig. 7.

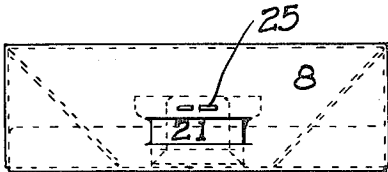


Fig. 10.

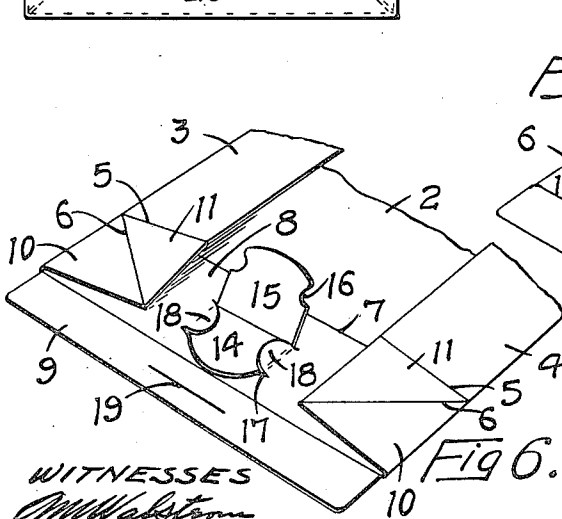
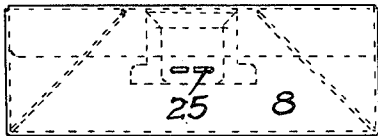


Fig. 6.

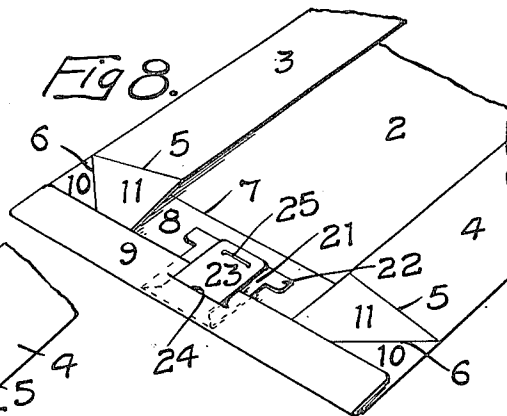


Fig. 8.

WITNESSES

W. H. Watson

J. H. Byrnes

INVENTOR
WILLIAM C. WILLETS

BY *Paul & Paul*
ATTORNEYS

UNITED STATES PATENT OFFICE.

WILLIAM C. WILLETS, OF MINNEAPOLIS, MINNESOTA, ASSIGNOR TO H. L. COLLINS
COMPANY, OF ST. PAUL, MINNESOTA, A CORPORATION.

FOLDING BOX.

1,044,960.

Specification of Letters Patent.

Patented Nov. 19, 1912.

Application filed April 25, 1910. Serial No. 837,427.

To all whom it may concern:

Be it known that I, WILLIAM C. WILLETS, of Minneapolis, Hennepin county, Minnesota, have invented certain new and useful
5 Improvements in Folding Boxes, of which the following is a specification.

The object of my invention is to provide a folding box of the kind usually known as a dress suit box, or one in which a suit or
10 dress or other article of clothing can be easily packed and transported.

A further object is to provide a box of this type in which a locking plate or tongue is provided at the end of the box having a
15 portion that is visible from the outside and on which a name or suitable advertising matter may be placed.

The invention consists generally in a folding box having a locking tongue or plate, a
20 portion of which is visible from the outside of the box.

Further the invention consists in various constructions and combinations, all as hereinafter described and particularly pointed
25 out in the claims.

In the accompanying drawings forming part of this specification, Figure 1 is a perspective view of one end of a box, embodying my invention, Fig. 2 is a similar view illustrating the box partially unfolded, Fig. 3 is a view showing the box completely
30 unfolded, Fig. 4 is a sectional view from the inside of the box, Fig. 5 is a detail view of the locking tongue or plate, Fig. 6 is a detail view illustrating a modification in the manner of mounting the locking tongue in the end of the box, Fig. 7 is a view illustrating a modified form of tongue and name plate, showing the box in its open or unfolded position,
35 Fig. 8 is a similar view, showing the tongue in its locking position, Fig. 9 is a perspective view of the cover in an inverted position, showing the name plate on the end, Fig. 10 illustrates in dotted lines the cover and bottom of the box, one showing the name plate forming a portion of the locking tongue and the other a similar form of tongue but with the name plate concealed.

In the drawing, 2 represents the top of the box having its edges folded inwardly lengthwise to form the side walls 3 and 4 of the cover. These walls are creased at 5 transversely and a diagonal crease 6 extends from the lower end of the crease 5 to the
40 upper corner of the wall. A crease 7 ex-

tends transversely of the cover in line with the crease 5, the part folded upwardly along this crease forming the end wall 8 of the box, over which the side walls 3 and 4 are folded in the preliminary step of setting up
60 the box. A flap 9 is provided at the end of the box extending across the same and adapted to be folded over upon the parts 10 and 11 that are formed by the creases 5 and 6 in the side walls. (See Fig. 2.) The
65 flap 9 has a curved slit 12 therein and the end wall of the cover has a tongue 13 formed therein. This tongue may be of any suitable size and form, but I prefer to cut curved slits in the end wall, as indicated in
70 Fig. 3. Into these slits beneath the tongue I insert a plate 14, a portion of the surface of which, as indicated in Fig. 1, will be visible from the outside of the box. This plate has a tongue or flap 15 at one end hav-
75 ing, preferably, notches 16 in its edges and adapted to slip into the slit 12 in the flap 9. (See Fig. 2.) When this has been done, the triangular parts 11 are inserted under the ends of the flap 9 and the cover will then
80 assume the form shown in Fig. 1, with the side and end walls upright and at right angles substantially to one another and to the top of the cover. The outer surface of the plate 14 exposed, as in Fig. 1, may be pro-
85 vided with a blank space for a name or for suitable advertising matter, as preferred, and when the cover is put in place on the box, which is of similar construction, only smaller to allow the placing of the cover
90 thereon, the name at the end will be visible and will plainly indicate the merchant or house from which the box is sent. It becomes unnecessary, then, to place objectionable or prominent advertising matter on the
95 top of the cover, as the removable plate forms a neat, convenient means by which the person or firm sending out the box can advertise the business.

In Fig. 6 the end 8 of the box has curved
100 slits 17 formed therein into which the edges of the plate 14 are inserted beneath the projections 18 formed by the slits 17. The flap 9 has in this case, preferably, a straight cut or slit 19. The end of the plate 14 corre-
105 sponding to the one shown in Fig. 3 is thrust into the slit 19 in the same manner as in the box shown in Fig. 3, thereby locking the side and end walls together.

In Fig. 7 the end wall 8 is cut length- 110

wise, forming a loop 20, between which and the end wall of the box the plate 21 is inserted. This plate has projections 22 at one end which engage the loop and form stops to limit the movement of the plate. The opposite end of the plate has a tongue 23 formed thereon that is adapted to enter a slit 24 in the flap 9 and when this flap is folded up over the edge of the end wall, the tongue will be bent at the point where it unites with the plate 21 and the end of the tongue folded in over the middle portion of the plate and secured thereto and to the wall of the box by a staple 25 or other suitable means. The rectangular portion of the plate 21 will be exposed, as indicated in Fig. 9, to form a surface upon which a name or other marks may be placed.

I claim as my invention:—

1. A folding box comprising a sheet of flexible material having its longitudinal and transverse edges creased and folded to form side and end walls, said end walls having longitudinal slits therein and a plate adapted to be inserted through the slits in said end walls and on the outer side of the strip formed between said slits, whereby a portion of said plate will be exposed to receive a name or character visible from the outside of the box, and said plate having means preventing its displacement in said slits.

2. A folding box composed of a sheet of flexible material having folded portions at the sides and ends thereof, said end wall having a flap extending lengthwise thereof and provided with a longitudinal slit, a

plate adapted to enter slits centrally arranged in said end wall, said plate being inserted on the outer side of the strip between said end wall slits, whereby a portion of the plate will be visible to receive a name or advertising matter, said plate having a locking tongue at its inner end that is adapted to be folded upwardly and outwardly to enter the slit in said flap when it is folded inwardly and downwardly over said end wall, thereby locking said flap and wall together.

3. A folding box composed of flexible material having its longitudinal and transverse edges folded to form the side and end walls of the cover, said end wall having a flap extending transversely of the cover and adapted to be folded inwardly to inclose the creased and folded end portions of the side walls, said flap having a longitudinal slit therein and said end wall having slits and a plate adapted to enter the slits in said end wall and be visible from the outside of the cover, said plate having a tongue at one end adapted to enter the slit in said flap, said tongue being folded inwardly with said flap, and means securing the inwardly folded portion of said tongue to said end wall and to the opposite end of said plate, for the purpose specified.

In witness whereof I have hereunto set my hand this 19th day of April 1910.

WILLIAM C. WILLETS.

Witnesses:

RICHARD PAUL,
J. A. BYRNES.