

C. S. STAFFORD.
BOX.
APPLICATION FILED JUNE 3, 1909.

958,707.

Patented May 17, 1910.

2 SHEETS—SHEET 1.

Fig. 1.

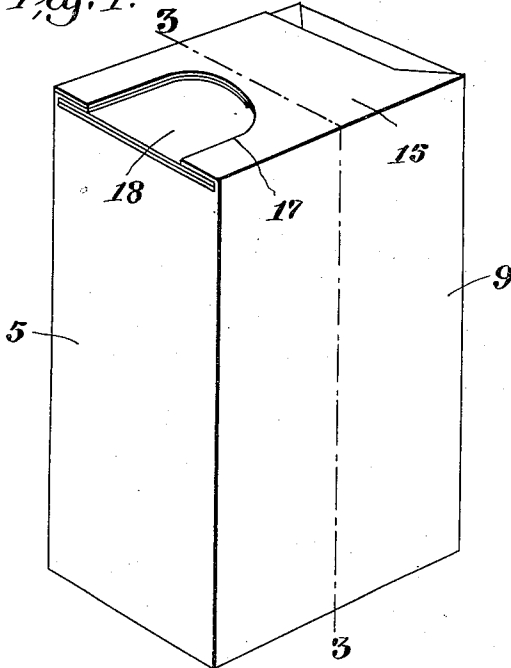


Fig. 2.

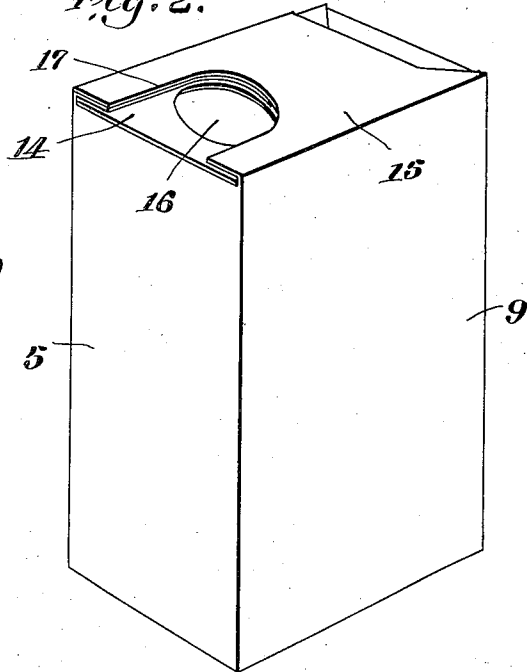


Fig. 3.

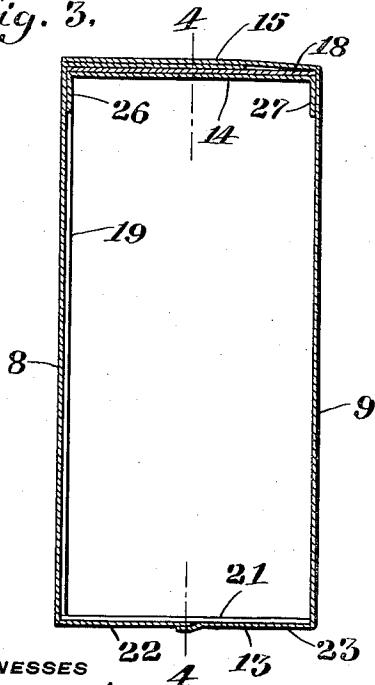
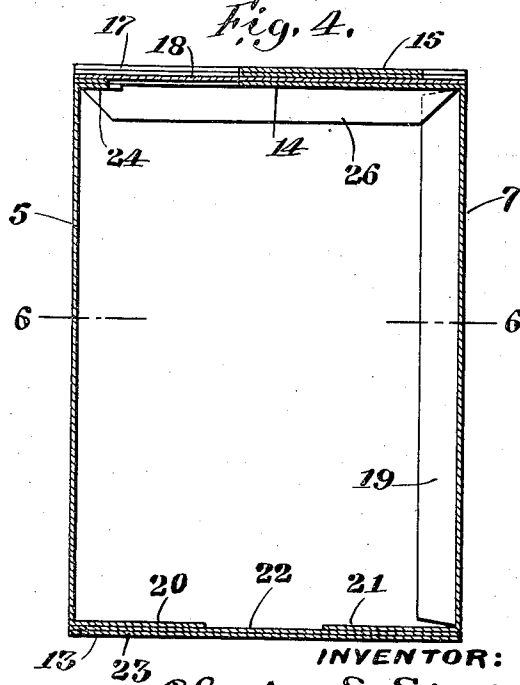


Fig. 4.



WITNESSES

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2 SHEETS—SHEET 2.

Fig. 5.

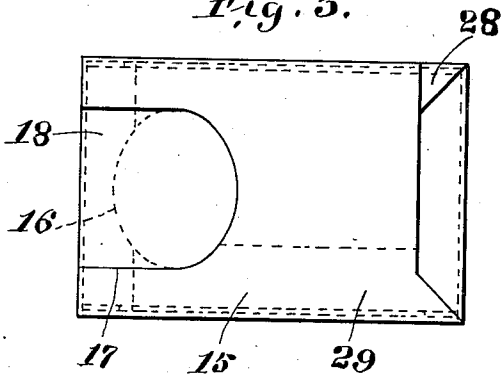


Fig. 6.

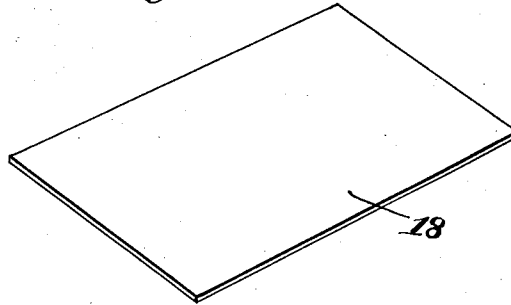


Fig. 7.

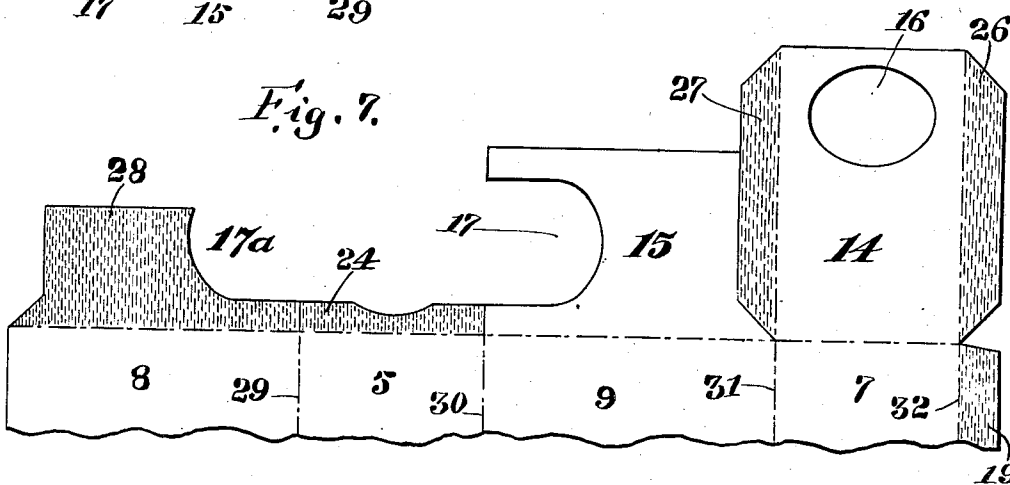
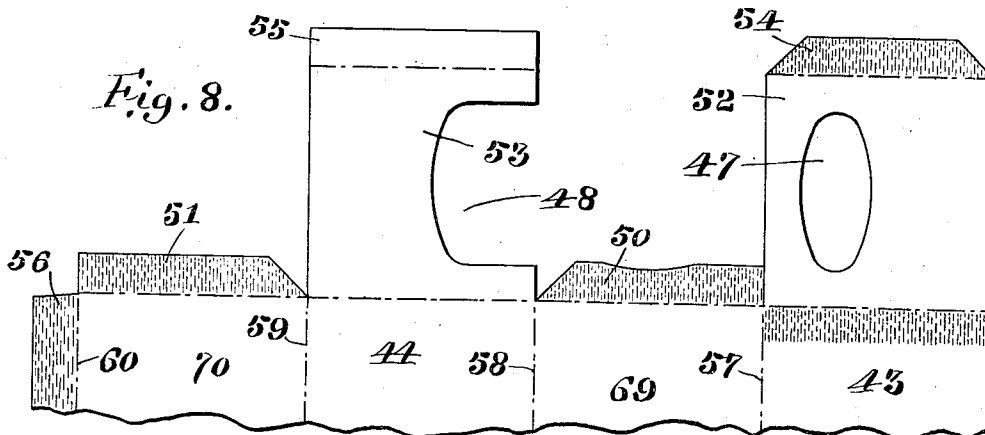


Fig. 8.



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UNITED STATES PATENT OFFICE.

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BOX.

958,707.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES S. STAFFORD, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Boxes, of which the following is a specification.

My invention relates to boxes generally, and particularly to boxes formed from a blank of sheet material, such, for example, as pasteboard, the parts of the blank being folded and secured together in a manner to form the box.

The object of my invention is to provide a box of novel, simple and efficient construction, having an aperture formed therein in combination with a sliding closure or cover for the aperture, the parts of the box being constructed to receive and guide the sliding closure or cover and hold it in place.

The invention consists in the novel construction and combinations of parts which will be hereinafter fully described and claimed.

In the drawings:—Figure 1 is a perspective view of my improved box, showing the sliding cover or closure in place thereon and closing the aperture. Fig. 2 is a perspective view similar to Fig. 1, showing the sliding cover or closure removed from the box and exposing the aperture. Fig. 3 is a vertical section on line 3—3 of Fig. 1. Fig. 4 is a vertical section on line 4—4 of Fig. 3. Fig. 5 is a view of the top of the box as shown in Fig. 1. Fig. 6 is a perspective view of the closure. Fig. 7 is a view of the upper portion of the blank of sheet material from which the box illustrated in the preceding figures is constructed. Fig. 8 is a view of the upper portion of a blank from which a modification of my invention may be constructed.

5 and 7 designate the front and back walls respectively of the box, 8 and 9 the side walls thereof, and 13 the bottom of the box.

14 designates the main top or cover for the box, and 15, a supplemental top or cover arranged above the main cover 14. The main cover 14 is provided with an aperture 16 therein, by means of which access may be had to the interior of the box for filling the box or removing the contents therefrom, as desired. The supplemental cover 15 is

provided with an opening 17 therein above the aperture 16, so that the supplemental cover may extend laterally of the aperture 16 without obstructing the latter. The lateral edges of the supplemental cover 15 are connected to the box as will be hereinafter described, and interposed between the main cover 14 and supplemental cover 15, is a cover or closure 18 for the aperture 16. The closure 18 is fitted to slide between the covers 14 and 15 to close the box by covering the aperture 16 as shown in Fig. 1, and to open the box by exposing the aperture 16 as shown in Fig. 2.

The main body of the blank comprises the sections 5, 7, 8 and 9 corresponding with the front and back walls 5 and 7 and the side walls 8 and 9 of the box, respectively. Projecting from the outer vertical edge of the section 7 of the blank is a flap 19, and projecting downwardly from the sections 5, 7, 8 and 9, from the bottoms thereof, are flaps 20, 21, 22, and 23 respectively, which are adapted to form the bottom of the box.

Projecting upwardly from the sections 5 and 7 are the flap 24 and the main cover 14 of the box. The lateral edges of the cover 14 are provided with projecting flaps 26 and 27 by means of which the sides of the cover may be secured in place as will be hereinafter described. Projecting upwardly from the sections 8 and 9 are the flap 28 and the supplemental cover 15 of the box. The flap 28 is provided with a cut-out portion 17^a, adapted to fit a portion of the wall of the opening 17 when the flaps 28 and 15 are brought together, as will be hereinafter described. The shaded portions of the blank indicate the portions thereof that are pasted or glued to other portions of the blank in forming the box.

In forming the box the blank is first folded on the lines 29, 30, 31, and 32, in the usual manner, and the outer or shaded face of the flap 19 is pasted to the inner face of section 6. The flaps 24, 25 and 27 are then folded inward upon their respective score lines, whereupon the cover 14 is secured to the flap 24, and the flaps 26 and 27 secured to the inner faces of the sides 8 and 9 respectively. The flap 28 is next folded inward, and the supplemental cover 15 secured thereto. A flat piece of sheet material forming the cover or closure 18 for the aperture

16 is now inserted between the main cover 14 and the supplemental cover 15, and the box is complete.

The main body of the blank shown in Fig. 8 comprises the sections 69, 70, 43 and 44. Projecting upwardly from the top of the front and back sections 69 and 70, are flaps 50 and 51, and projecting upwardly from the sections 43 and 44 are flaps 52 and 53 which are adapted to form the main and supplemental covers respectively for the box. The upper ends of the flaps 52 and 53 are provided with small projecting flaps 54 and 55 respectively, for a purpose hereinafter described. The outer vertical edge of the section 70 of the blank is provided with a projecting flap 56. The flap 52 is provided with an aperture 47, and the flap 53 with an opening 48.

In forming the box shown in Figs. 9 to 12 inclusive from the blank shown in Fig. 8, the blank is first folded on the lines 57, 58, 59 and 60, to bring the front and back walls 69 and 70 parallel to each other, and to bring the side walls 43 and 44 parallel to each other, and also to bring the outer face of the flap 56 against the outer portion of the inner face of the section 43 against which the outer or shaded face of the flap 56 is pasted. The flaps 50, 51, 52 and 54 are folded inward on their respective score lines; the flap 53 secured to the flaps 50 and 51, and the flap 54 secured to the inner face of the side 44 of the box. The flaps 53 and 55 are now folded down and the flap 55 secured to the outside of the side 43 of the box. A flat piece of sheet material 18 forming the cover or closure for the aperture, is now inserted between the main and supplemental covers, and the box is complete.

I claim—

1. In a box, front and back vertical walls, side vertical walls, a bottom, a flap formed integral with one of said vertical walls and extending to the opposite vertical wall, said flap having an aperture cut in the body thereof and forming the main cover for the box, means for securing said flap to said opposite vertical wall, a supplemental cover

arranged above the main cover and formed integral with one of the two remaining vertical walls of the box and connected to the opposite remaining vertical wall of the box, and a closure for said aperture inserted between the main and supplemental covers.

2. In a box, front and back vertical walls, side vertical walls, a bottom, a flap formed integral with one of said vertical walls and extending to the opposite vertical wall, said flap having an aperture cut in the body thereof and forming the main cover for the box, a flap formed integral with the first named flap and extending at right angles thereto and engaging a vertical wall of the box, a supplemental cover arranged above the main cover and formed integral with one of the two remaining vertical walls of the box and connected to the opposite remaining vertical wall of the box, and a closure for said aperture inserted between the main and supplemental covers.

3. In a box, front and back vertical walls, side vertical walls, a bottom, a flap formed integral with one of said vertical walls and extending to the opposite vertical wall, said flap having an aperture cut in the body thereof and forming the main cover for the box, means for securing said flap to said opposite vertical wall, flaps formed integral with the two remaining vertical walls of the box and secured together forming a supplemental cover arranged above the main cover, and a closure for said aperture inserted between the main and supplemental covers.

4. In a box, front and back walls, side walls, a bottom, a main cover having an aperture, a supplemental cover arranged above the main cover and having its lateral portions connected to the box, and having an opening therein above the aperture, said opening extending to one edge of the supplemental cover, and a closure for said aperture between the main and supplemental covers.

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

CHARLES S. STAFFORD.

Witnesses:

E. M. WARE,
S. I. HARPER.