

C. J. FREESE.
PAPER BOX HANDLE.
APPLICATION FILED JUNE 12, 1917.

1,268,706.

Patented June 4, 1918.

Fig-1-

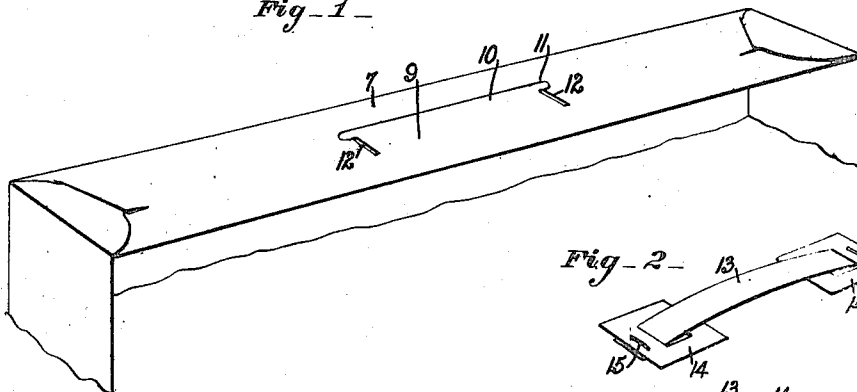


Fig-2-

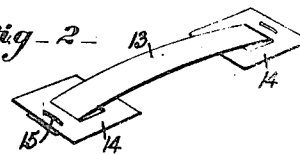


Fig-3-

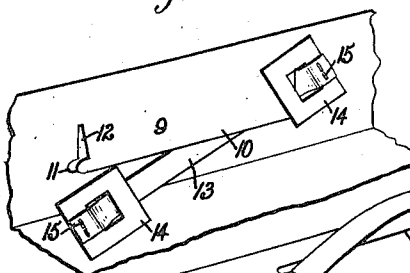


Fig-4-

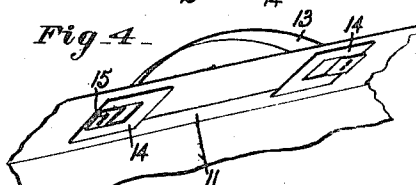


Fig-5-

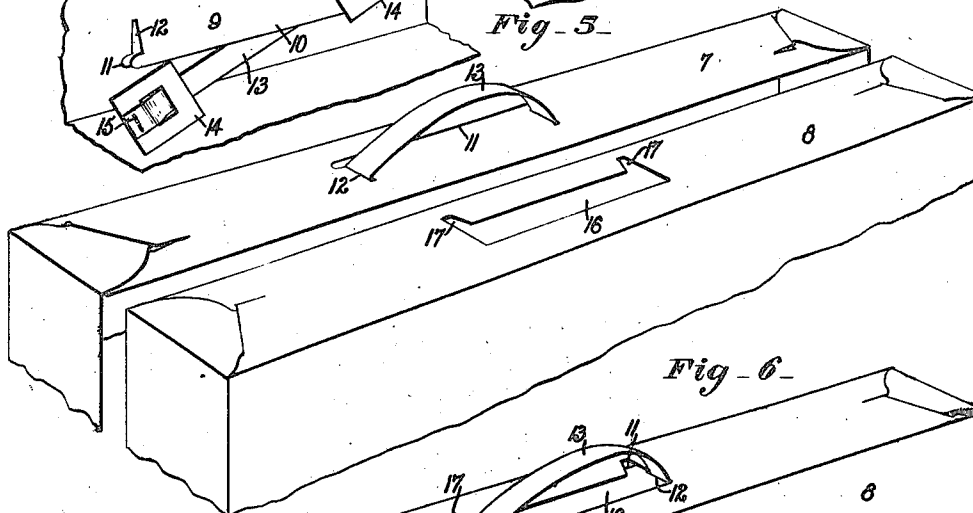
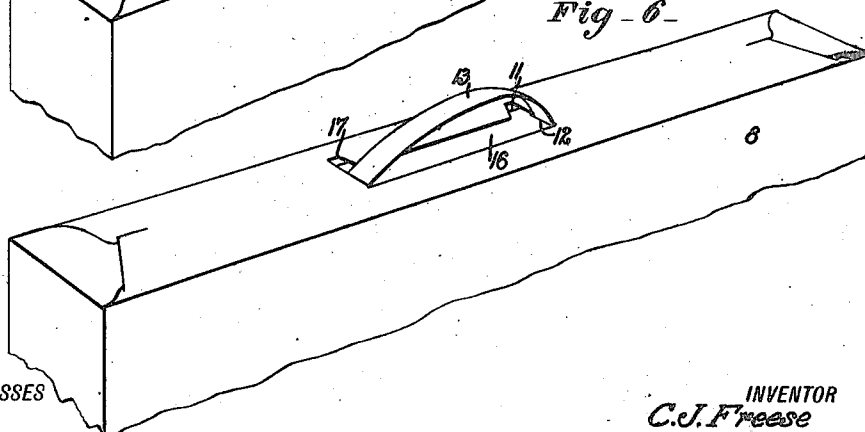


Fig-6-



WITNESSES

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PAPER-BOX HANDLE.

1,268,706.

Specification of Letters Patent.

Patented June 4, 1918.

Application filed June 12, 1917. Serial No. 174,225.

To all whom it may concern:

Be it known that I, CARL J. FREESE, a citizen of the United States, and a resident of Elyria, in the county of Lorain and State of Ohio, have invented a new and Improved Paper-Box Handle, of which the following is a full, clear, and exact description.

My invention relates to a handle for paper boxes and has reference more particularly to a detachable handle.

An object of the invention is to provide a simple, strong and inexpensive handle for which the box has suitable slits so as to permit a quick attaching of the handle.

A further object of the invention is to provide such slits in the box for the handle that will lock the handle therein automatically.

With the above and other objects in view, the nature of which will more fully appear as the description proceeds, the invention consists in the novel construction, combination and arrangement of parts as herein fully described, illustrated and claimed.

In the accompanying drawings, forming part of the application, similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a fragmentary perspective view of the back section of the box which is adapted to receive the handle;

Fig. 2 is a perspective view of the handle;

Fig. 3 is a fragmentary perspective view showing the manner in which the handle is fitted into the cut-out provided for the handle in the section which is adapted to carry it;

Fig. 4 is a similar view showing the handle in position;

Fig. 5 is a fragmentary perspective view of the two box sections spaced, one with the handle and the other with the cut-out through which the handle protrudes when the box is closed; and

Fig. 6 is a fragmentary perspective view of the assembled box.

Referring to the drawings, 7 is the body section of the box and 8 is the cover section for same. A tongue 9 is formed in the side of the body portion 7, the free end of the tongue 9 being enlarged at the sides of the tongue to form a head 10 which fits snugly or tightly into the slits 11 which border the head. Preferably, but not necessarily, the ends of the head 10 are rounded. At the sides of the tongue, beyond the head, the

slits are enlarged to form slots 12 for accommodating therein a flexible tape 13 which forms the handle.

To prevent the flexible member 13 forming the handle from being pulled through the slots 12, cardboard washers 14 are secured to the ends of the flexible member. As shown, fasteners 15 lock the flexible member 13 to the washer 14. The side of the washer to which the flexible member is secured is preferably covered with cloth so as to reinforce the cardboard washer. The ends of the flexible member are passed through the apertures in the washers before they are secured. In consequence, a portion of each washer will be in engagement with the tongue 9 when the handle is engaged with the body.

To bring the handle into engagement, the tongue 9 is forced out of the slits (see Fig. 3), allowing the flexible member to slide past the head of the tongue to enter the slots 12. By pulling on the handle from the other side (see Fig. 4), the head is drawn or forced into the slit, that is, home, thereby locking the handle to the body section 7.

The cover section 8 has a cut-out 16 adapted to register with the flexible member 13 when the cover section is engaging the body section. The width of the cut-out is greater than the width of the flexible member 13 so that the flexible member can be easily pulled through the cut-out 16. The cut-out 16 has transverse notches 17 at the ends thereof which permit the telescoping of the cover and body sections when the flexible member 13 protrudes through the cut-out 16, the handle protruding through the cut-out 16 locking the two sections of the box together.

By providing the flexible member of the handle with washers and the tongue in the body section with lateral projections at the free end thereof, an interlocking arrangement is provided in the box for the handle. As will be noted from Figs. 3 and 4, the tendency of the washers is to draw the tongue home when a pull is exerted on the handle, in view of the fact that each washer is in engagement with the tongue and with the body section. The notches 17 in the cut-out 16 permit the telescoping of the two sections and, therefore, will accommodate packing in the boxes over their normal capacities, thereby dispensing with the necessity of employing a great variety of boxes of varying sizes.

I claim:

1. In a paper box, a body section, a tongue in one of the sides of the body section having an enlarged portion at the head thereof adapted to fit tightly into the side in which the tongue is formed, said side of body portion having slots at the sides of the tongue, and a flexible handle adapted to be fitted into the slots when the tongue is forced out of engagement with the side, said handle having means adapted to engage the tongue and side of body section and whereby when pull is exerted on the flexible member the tongue is drawn into engagement with the side substantially as and for the purpose set forth.

2. In a paper box, a body section, a tongue in one of the sides of the body section having a head at the free end thereof adapted to fit tightly into the side in which it is formed, said side of body portion having slots at the sides of the tongue beyond the head which are adapted to accommodate a handle, a flexible member adapted to be fitted into said slots when said tongue is forced out from its engagement with the side of the body section, and washers associated with the ends of said flexible member and adapted to engage the side and the tongue whereby when a pull is exerted on said flexible member the tongue is forced into engagement with the side, thereby locking said flexible member in the slots and preventing lateral movement of the flexible member in the slots.

3. In a paper box, a body section, a tongue in one of the sides of the body section, lateral projections at the free end of the tongue,

said side of body section having slots extending from the base of the tongue to the lateral projections, said end of tongue and lateral projections adapted to fit tightly into the side in which the tongue is formed, a handle having a flexible member adapted to be engaged with the slots, and washers associated with the ends of said flexible member adapted to engage the inner surface of the side in which the tongue is formed.

4. In a paper box, a body section, a tongue formed in one of the sides of the body section, lateral projections at the free end of the tongue, the side in which the tongue is formed having slots extending from the base of the tongue to the lateral projections, the free end of tongue, with the lateral projections, fitting tightly into the side in which the tongue is formed, a tape adapted to engage the slots of the side of the body section when the tongue is disengaged from the side, washers associated with the ends of the tape, the ends of the tape projecting through the apertures of the washers, and means securing the extremities of the tape to the washers so that the unsecured parts of the washers face each other, whereby when the flexible member is in engagement with the slots and a pull is exerted thereupon the unsecured parts of the washers are adapted to engage the side and tongue and force the free end of the tongue with the lateral projections into engagement with the side, thereby locking the tape in the slots, substantially as and for the purpose set forth.

CARL J. FREESE.