

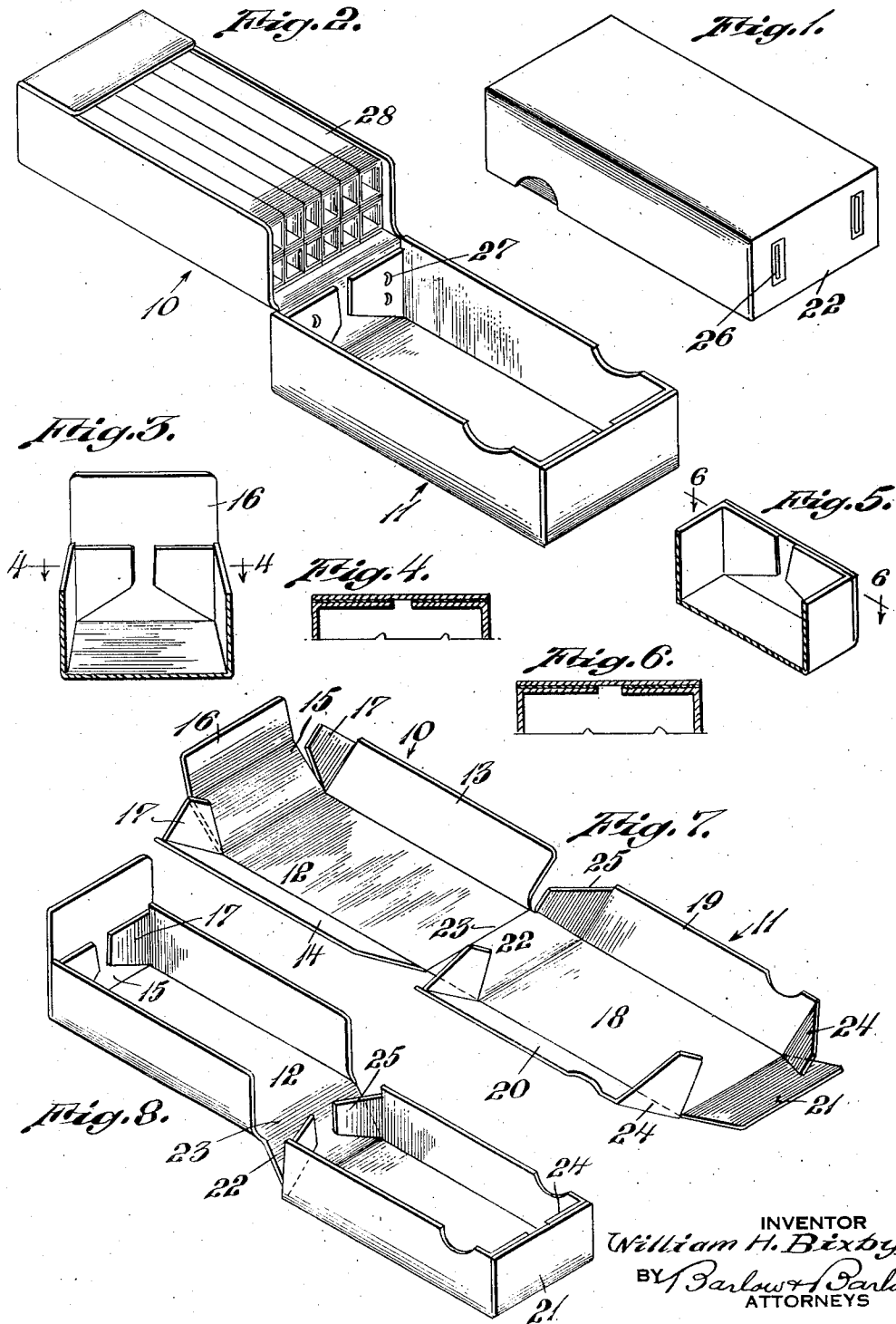
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STAPLE PACKAGE

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STAPLE PACKAGE

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2 Claims. (Cl. 203—46)

This application is a continuation of my application Serial No. 380,584.

This invention relates to a special package for staples and has for one of its objects to provide a box container and a cover therefor from a single piece of material, whereby the box and cover are in hinged relationship.

Another object of the invention is to provide a box which may be made complete by "Brightwood" machine operations.

Another object of the invention is to secure together adjacent side and end walls of one of the box sections by means of a staple which will display the contents of the box container.

Another object of the invention is to tightly hold strip assembled staples in the container to prevent their shaking and the strip breaking.

Another object of the invention is to provide a box which will have an open end in the body for convenience in machine loading of the articles into the box, which open end will provide ready access to the staples to prevent breaking a strip of staples when it is desired to remove the same from the container.

With these and other objects in view, the invention consists of certain novel features of construction, as will be more fully described, and particularly pointed out in the appended claims.

In the accompanying drawing:

Fig. 1 is a perspective view of the box in closed position;

Fig. 2 is a perspective view of a box in open position and in the position in which it is usually loaded;

Fig. 3 is a sectional view looking at the inside free end of the body of the box;

Fig. 4 is a section on line 4—4 of Fig. 3;

Fig. 5 is a perspective view looking at the inside end of the cover section;

Fig. 6 is a section on line 6—6 of Fig. 5;

Fig. 7 is a perspective view showing the box cut out and scored and partly folded; and

Fig. 8 is a perspective view showing the box as further folded and glued, but before stapled.

Individual staples for assembly into a staple machine are difficult to handle. Accordingly, staples are assembled in edge-to-edge relation and held in this relation by some frangible binder providing a strip of staples forming a channel a length of which may be handled at one time. It is desirable that these strips be maintained in unbroken relation in the length of the box and that they be removed from the box without breaking. It is also desirable that the strip staples be held snugly in the box so that during

shipment they will not shake around in the box sufficient to cause the strip to become broken. Accordingly, the boxes are made slightly shorter than the length of the strip of staples and the cardboard is stretched in placing the staples in the box so that they will remain in snug relationship. This snug relationship makes it difficult to remove the staples from an ordinary box and in order to provide a container in which the staples may be easily removed without danger of breaking the strips I have provided a box which will be completely open at one of the ends for access to these staples.

Standard box machinery as it is used at the present time has certain limitations as to the making of boxes, one of which is the limitation of securing the ends of the box in assembled position; and in order to overcome such difficulty I have arranged that one of the ends may be stapled with a staple of the size contained in the box that it may be displayed from outside. The following is a more detailed description of the present embodiment of this invention, illustrating the preferred means by which these advantageous results may be accomplished.

With reference to the drawing, I have shown in Fig. 7 a cut-out blank from a single piece of sheet stock which comprises a body section designated generally 10 and a cover section designated generally 11. This body section has a bottom wall 12, opposite side walls 13 and 14, and an end wall 15, a flap 16, and tabs 17, while the cover section consists of a top wall 18, side walls 19 and 20, an end wall 21 and end wall 22 adjacent the hinge connection to the cover along the scored line 23. Tabs 24 are located at one end of the side walls 19, 20 and tabs 25 at the other end of the side walls 19 and 20. Score lines are provided between these different parts mentioned so that they may be folded into generally right-angular relationships.

The side walls and end walls are folded at right angles to the top and bottom walls; the tabs 17 extend along the end wall 15 and are cemented in place. Likewise, the tabs 24 extend along the end wall 21 and are cemented in place. The tabs 25 extend along the end wall 22 and are held in place by staples 26 (see Figs. 1 and 2) which extend through the wall 22 and the tab 25, with their ends 27 bent over the tab 25, as shown in Fig. 2, to hold these staples in position. The junction 23 between the wall 22 and the bottom wall 12 provides a hinge connection so that the cover section may be folded over the body section with the walls in telescoped relation therewith.

The assembled box, as illustrated in Figs. 2 and 8, may be fed through a machine, such for instance, as that used for making staples 28 assembled in strips which may be fed into the open end of the box body and be placed in the position as illustrated in Fig. 2. The box is a few thousandths shorter than the length of the staple strips. At a further point, in the loading machine the cover section 11 may be swung from its position shown in Fig. 2, over the body section 10 into the closed relationship shown in Fig. 1 by stretching the cover so as to hold the staples tightly packaged. The staples which are housed within appear at 26 on the end wall 22 as shown in Fig. 1, to demonstrate the contents of the box without opening the same.

By this arrangement a single piece of material is utilized for the formation of a hinge cover box which by its construction and arrangement may be formed completely by machine operation, while when open the ends of the staple strips are exposed for ready access to lift the strips from their position in the box without prying on them or endangering their breaking.

I claim:

1. A package comprising a single place of sheet stock comprising a body section and a cover section hingedly related, said body section having a bottom wall, opposite side walls and one end wall and an open end, strips of staples in said body, said cover section comprising a top wall, opposite side walls and opposite end walls to telescope over the side and end walls of said body when the sections are swung about said hinge connection, tabs on the side walls adjacent said hinge of a less width than that of the side walls providing a space between the free edge of the

side walls and the adjacent edge of said tabs and extending from said side walls in overlapping relation with the end wall adjacent to said hinge portion and staples of the same size as those contained in the body extending through said tabs and end wall from the outside surface inwardly for securing said tabs and end wall to each other and exposing said staples to view.

2. A package comprising a single piece of sheet stock comprising a body section and a cover section hingedly related, said body section having a bottom wall, opposite side walls and one end wall and an open end wall, strips of staples in said body, said cover section comprising a top wall, opposite side walls and opposite end walls to telescope over the side and end walls of said body when the sections are swung about said hinge connection, tabs on the side walls extending inwardly in overlapping relation with and cemented to the end wall distant from said hinge connection and other tabs on the opposite end of the side walls adjacent said hinge of a less width than that of the side walls providing a space between the free edge of the side walls and the adjacent edge of said other tabs and extending from said side walls in overlapping relation with the end wall adjacent to said hinge portion and staples of the same size as those contained in the body extending through said tabs and end wall from the outside surface inwardly for securing said tabs and end wall to each other and exposing said staples to view, said strips of staples being of a length greater than the normal unstretched distance between the end walls of said cover to when positioned over the body and staples therein hold the staples snugly in position.

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