

C. J. FREESE.
PAPER BOX HANDLE.
APPLICATION FILED SEPT. 29, 1914.

1,141,789.

Patented June 1, 1915.

Fig-1-

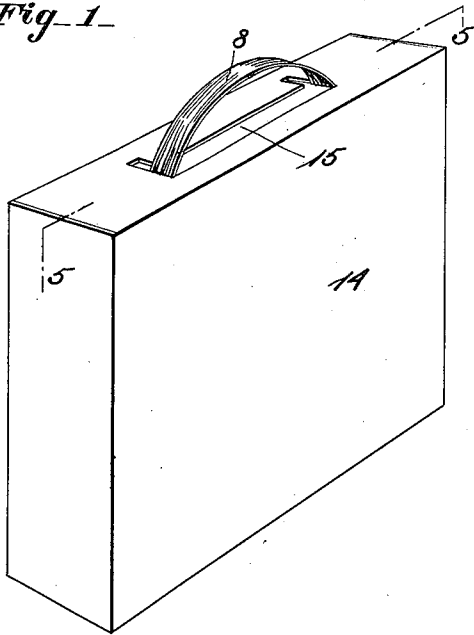


Fig-2-

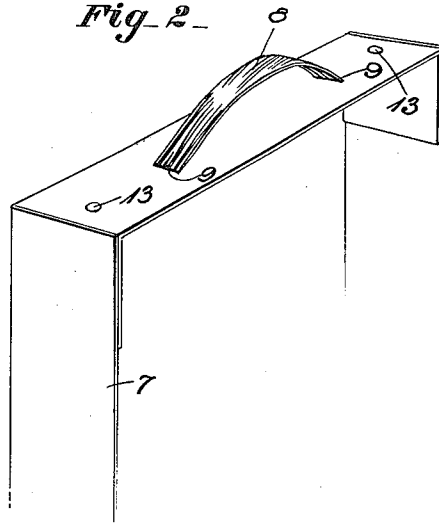


Fig-3-

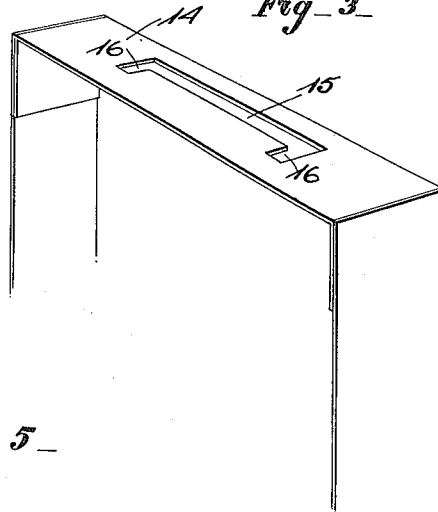


Fig-4-

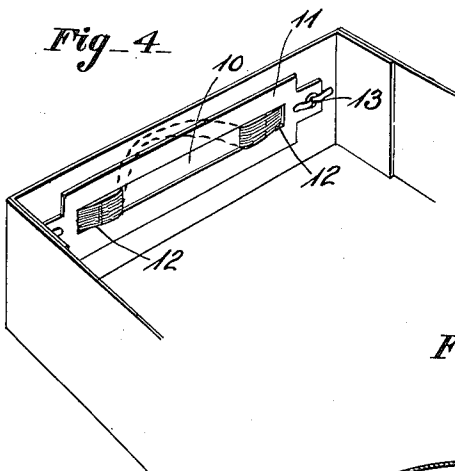
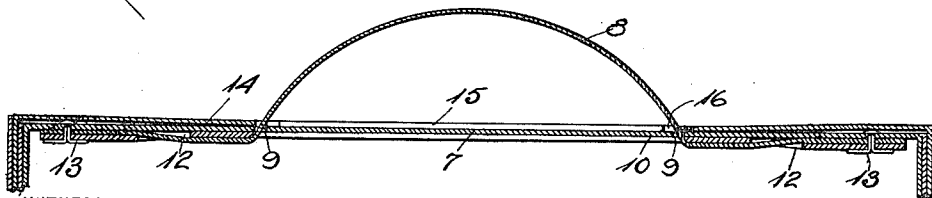


Fig-5-



WITNESSES

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PAPER-BOX HANDLE.

1,141,789.

Specification of Letters Patent.

Patented June 1, 1915.

Application filed September 29, 1914. Serial No. 864,049.

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 grip or handle for paper boxes; and it has reference more particularly to a handle for paper boxes formed of two sections, which handle will interlock the two sections when they form a box.

The object of the invention is to provide a simple, strong and inexpensive handle for facilitating the carrying of paper boxes, which handle will not add greatly to the cost of manufacturing the box nor to the bulk thereof in storing the sections forming the box.

With the above and other objects in view, the nature of which will more fully appear as the description proceeds, the invention consists of 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, and Figure 1 is a perspective view of an embodiment of my invention in use; Fig. 2 is a fragmentary perspective view of the body section, which is provided with a handle; Fig. 3 is a similar view of the cover section provided with a slot for the handle to project through; Fig. 4 is a fragmentary perspective view from the inside of the body section, showing one method of securing the handle; and Fig. 5 is a section through line 5-5, Fig. 1.

Before proceeding to a more detailed description of my invention, it must be clearly understood that although the illustrations and description have reference to a paper box formed of two sections, of which one is provided with a handle, and which is adapted to lock the two sections together, the handle can be applied to a box provided with a hinged cover or to any other paper box of similar or different nature.

Referring to the drawings, 7 represents the body section of the box, one side thereof, preferably the longer side, being provided with a handle 8 formed of a flexible member, preferably tape, the ends of the tape being secured to the interior of the section.

There are many different ways of securing the ends of the tape to the section, of which only one is shown. The ends of the tape 8 are forced through transverse slits 9 provided in the side of the section where the handle is to be secured. The ends of the tape are then made to engage a longitudinal slot 10 of a reinforcing member 11, the length of the longitudinal slot 10 being equal to the distance between the longitudinal slits 9 in the side. The said reinforcing member is provided with slots 12 at each end of the longitudinal slot 10. The ends of the tape 8 are passed through the slots 12 so that they are located between the side of the body section and the reinforcing member 11. The said ends of the tape 8 can be glued to said side with said reinforcing member, but preferably rivets 13 engage the side of the main body with the ends of the tape and the reinforcing member.

The cover section 14, which with the body section forms the box, at one side thereof is provided with a slot 15 through which the handle formed by the tape 8 is adapted to project when said cover section engages the body section. The length of said slot 15 is substantially equal to the distance between the transverse slits 9 for the handle 8. The slot 15 at the ends thereof is provided with lateral cut-outs 16 to be engaged by the handle 8 when the box formed by the body section and the cover section is filled over its capacity. These lateral cut-outs 16 permit the sections to telescope relatively without interference with the handle 8. It will be noted that when the handle 8 is in position as shown in Figs. 1 to 5 it interlocks the two sections.

From the foregoing description, taken in connection with the accompanying drawings, the advantage of the construction and operation of the device shown will be readily understood by those skilled in the art to which the invention pertains; and while I have described the principle of operation, together with the device which I now consider to be the best embodiment thereof, I desire to have it understood that the device shown is merely illustrative and that such changes may be made when desired as are within the scope of the appended claim.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

A paper box comprising a body section

having transverse slits in one of the sides thereof, a tape having its ends projecting interiorly of said body section through said slits, a reinforcing member having a slot 5 the length of which is equal to the distance between the slits in said section, said reinforcing member having also an opening at each end of said slot through which the ends of said tape are made to project after the 10 said ends have been passed through the slot in the reinforcement, and means securing the ends of said reinforcing member to said body section so that the ends of the tape are

locked between the reinforcing member and the body section, and a cover section having 15 a slot through which the tape is adapted to project when said body section is engaged by said cover.

In testimony whereof I have signed my name to this specification in the presence of 20 two subscribing witnesses.

CARL J. FREESE.

Witnesses:

S. J. GEORGE,
THEODORE FREESE.