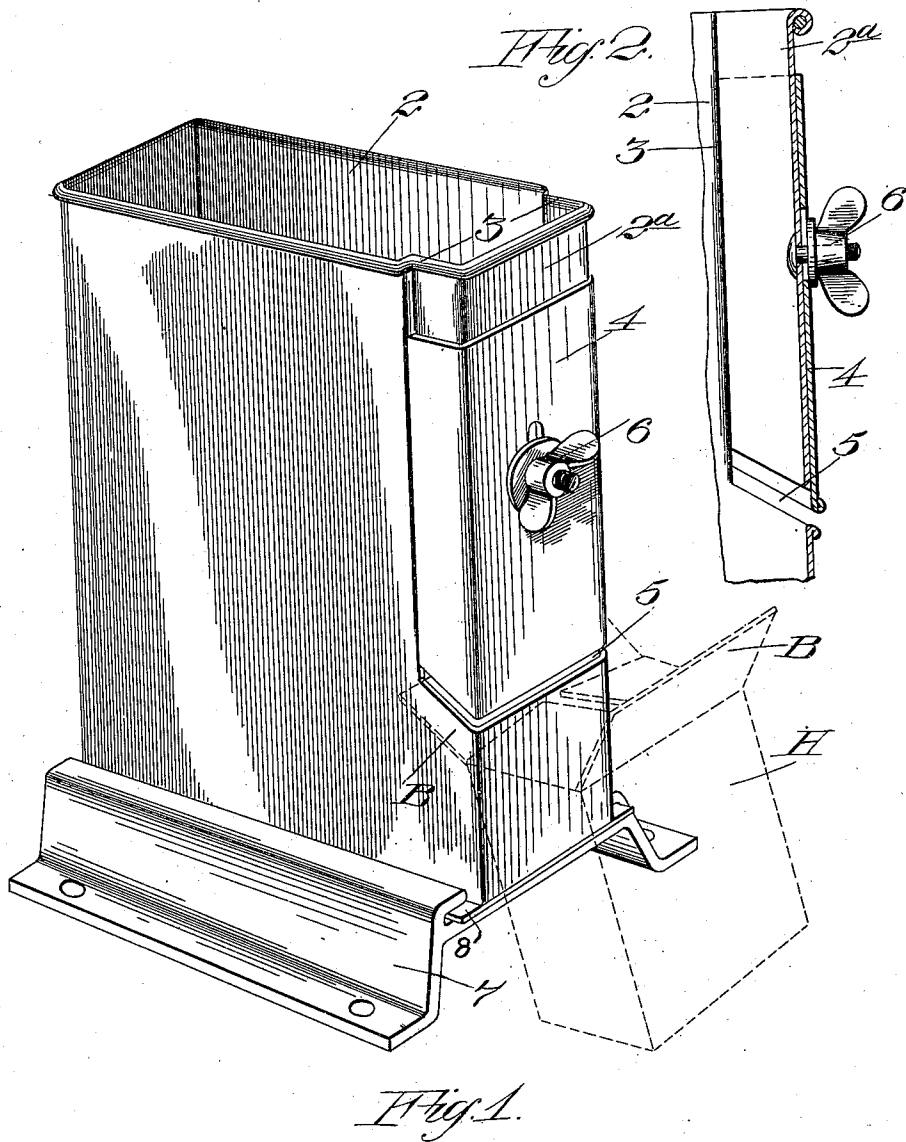


E. F. BALL.
 BOX PASTING DEVICE.
 APPLICATION FILED MAY 4, 1910.

982,115.

Patented Jan. 17, 1911.



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UNITED STATES PATENT OFFICE.

EDGAR F. BALL, OF SAN FRANCISCO, CALIFORNIA.

BOX-PASTING DEVICE.

982,115.

Specification of Letters Patent.

Patented Jan. 17, 1911.

Application filed May 4, 1910. Serial No. 559,372.

To all whom it may concern:

Be it known that I, EDGAR F. BALL, citizen of the United States, residing in the city and county of San Francisco and State of California, have invented new and useful Improvements in Box-Pasting Devices, of which the following is a specification.

My invention relates to a device or apparatus for pasting the edges of paper boxes which form the ends, and which are afterward to be folded to complete the closure of the box.

It consists of a paste holding device having an adjustable slide, and a slit adapted to receive the flaps to be pasted so that the flaps may be inserted into the mass of paste within the box, and accumulate a sufficient amount to enable them to be folded and sealed.

The invention consists in the arrangement of parts and in the details of construction which will be more fully described by reference to the accompanying drawings, in which—

Figure 1 is a view of the device showing its application. Fig. 2 is a partial section.

Boxes made of pasteboard and adapted for the reception of dry materials are usually formed by folding a portion which forms the body, and the separated sections corresponding with the four sides of the package are adapted to be folded inwardly, overlapping so as to form complete ends. These overlapping ends are pasted together, and the paste seals them so as to form a complete package. Such a package is shown at A, having the extended separated sides B, which are foldable over each other.

My device consists of a can 2, adapted to contain paste. One of the narrow sides of the can, as at 2^a, is made of less width than the body of the can, this reduction in width being formed by pressing the metal so as to form vertical shoulders, as at 3, and the portion 2 which extends beyond these shoulders forms a guide upon which a slide 4 is adapted to fit with sufficient looseness so that it can be moved up and down.

At the bottom of the reduced portion of the can, a slot is made, as shown at 5. I have here shown this slot made at an inclination, and the lower end of the slide 4 is correspondingly inclined, so that when slipped down its inclined edges will contact with the bottom edges of the slot, and thus entirely close the opening.

When it is desired to use the device, the slide 4 is moved up so as to leave an open slot of a width approximately equal to the thickness of the pasteboard of which the box is made, and it is locked in position by means of a thumb-screw, as shown at 6, which passes through the slide and is fixed in the corresponding narrow side of the box, so that by means of a nut, turnable upon a screw, the slide may be clamped at the desired point, leaving the open slot. This slide and side upon which it fits are sufficiently narrower than the greatest width of the proposed box so that the wider extension flaps B may be slipped into the slots in the can so as to be coated with paste upon the central portion only. Thus when it is desired to close one of the ends of the box the edges of one of the projecting flaps B may be taken in the fingers, and as these edges project beyond the slotted side of the can, the flap may be pushed into the mass of paste within the can, and then withdrawn without having the fingers contact with the paste. The flaps may then be turned downwardly, one upon the other, and pasted together, and the outer flap being folded lastly covers up the exterior pasted surface of the flap which was inserted into the box. I thus have a cleanly and securely pasted box. One end may be first pasted to form a complete receptacle, and this being afterward filled with the material desired, the other end may then be pasted down in the same manner, and the closure completed.

By the use of this device, I provide a paste holder which will largely prevent the deterioration of the paste, and a convenient means for rapidly applying the paste to the parts necessary to close and secure the ends of the package.

To conveniently and firmly retain the paste-holder in position, I may employ a base 7 having parallel channels to receive flanges 8 which project from the paste-holder so as to engage with the channels. The base may be secured to any suitable support.

Having thus described my invention, what I claim and desire to secure by Letters-Patent, is:

1. A paste-container having one of its sides made narrower than the main body portion, and having a transverse slot at the bottom of the reduced portion, said slot leading inwardly through the exterior side and adapted to receive edgewise from the outside

the flap of the box to be pasted, and a regulating slide within the reduced portion of the container and regulating the width of the slot.

- 5 2. A paste-container having one of its sides made narrower than the main body of the box forming shoulders at the junction of the two parts, a slide having its edges bent to fit the reduced portion of the box side,
10 an inclined slot made in this reduced portion of the box, said slide having a corre-

sponding inclined edge registering with the slot in the box, and means for locking the slide in its adjusted position upon the box.

In testimony whereof I have hereunto set
my hand in the presence of two subscribing
witnesses. 15

EDGAR F. BALL.

Witnesses:

CHARLES A. PENFIELD,
CHARLES EDELMAN.