(No Model.)

G. P. SALISBURY.

PASTING DEVICE.

No. 445,940. Patented Feb. 3, 1891.

Fig. 1.

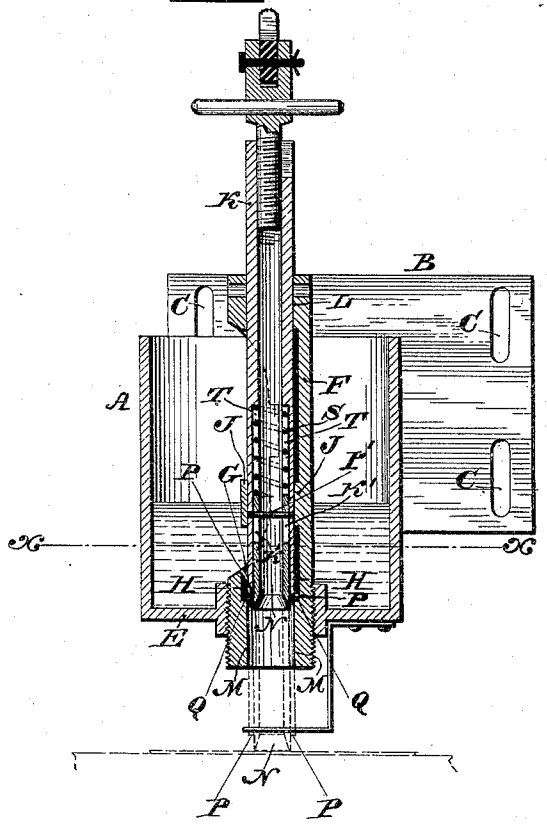
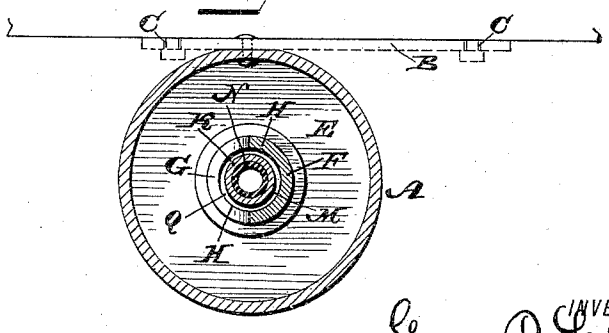


Fig. 2.



WITNESSES:

L. Dorville,

A. P. Jennings.

INVENTOR

George P. Salisbury

BY

John A. Wiedersheim

ATTORNEY.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

GEORGE P. SALISBURY, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO EUGENE K. PLUMLY, OF SAME PLACE.

PASTING DEVICE.

SPECIFICATION forming part of Letters Patent No. 445,940, dated February 3, 1891.

Application filed September 16, 1890. Serial No. 365,159. (No model.)

To all whom it may concern:

Be it known that I, GEORGE P. SALISBURY, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Pasting Devices, which improvement is fully set forth in the following specification and accompanying drawings.

My invention relates to improvements in pasting devices; and it consists, first, of a paste-pot having within it a cylinder with a side opening and a communicating recessed portion on its inner wall below the said opening, and a plunger provided with a shoulder at its lower end, working in said cylinder, substantially as described.

It further consists of a paste-pot having a plunger provided at or near its reduced and beveled lower end with a shoulder, substantially as described.

It further consists of a paste-pot having a plunger provided with a sliding lower portion, substantially as described.

It further consists of the combination of parts, as herein described and claimed.

Figure 1 represents a vertical sectional view of a pasting device embodying my invention. Fig. 2 represents a horizontal section on line x x, Fig. 1.

Similar letters of reference indicate corresponding parts in the two figures.

Referring to the drawings, A designates a vessel or paste-pot having secured thereto a plate B, with slotted openings C therein, by means of which it can be adjustably secured in position on a box-making or other machine.

To an interiorly-screw-threaded bushing, which is connected with the bottom E of the paste-pot, is secured the threaded lower end of a cylinder F, which forms the discharge-tube for the paste, having on one side an opening G for the passage of the paste from the pot into the same. The inner wall of said cylinder F is recessed at H, the said recess extending below the lower end of the opening G. To the cylinder at the said opening G is secured a boss J, which, with the end portions L M of said cylinder, serves as a guide for the plunger K in its reciprocating movements.

The lower end N of the plunger K is of reduced diameter and is adapted to move within the main portion thereof, being connected therewith by a pin P′, which is secured to the said main portion, passing through the slots K′ in the sides of the lower end portion N. A coiled spring S in a recessed portion T of the main portion serves to keep the said end portion normally projecting from the said main portion.

The operation of the device is simple and easily understood, and is as follows: The plunger in its rising motion is operated so that the shoulder P is lifted a short distance above the upper edge or shoulder Q of the portion M of the cylinder, so that a small quantity of the paste which has entered the recess H of the cylinder F by the opening G may escape below the lower edge or shoulder P of the main portion of the plunger and adhere to the side of the portion N, so as to be carried downward on the return movement of the plunger until the lower edge of the portion N comes in contact with the article to be pasted, when, its motion being stopped and the lower edge of the main portion continuing its descent, the latter scrapes or pushes the paste downward, and, as it completes its descent and comes in contact with the article to be pasted, forces a portion outward against the inner side of the rim of the lid or body of a box which is being formed. The beveled hollow edge of the plunger serves to prevent the deposit of the paste on the article within the space of said lower edge.

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

1. A paste-pot containing a cylinder with an opening in its side and a recessed portion on the inner wall thereof below and extending to said opening, and a plunger working in said cylinder and having a shoulder at the lower portion thereof, said parts being combined substantially as described.

2. A paste-pot having a plunger provided with a shoulder near its lower end, said end being reduced and having a beveled edge, substantially as and for the purpose set forth.

3. A paste-pot having a plunger provided with a sliding lower portion, substantially as and for the purpose set forth.

4. A plunger for a paste-pot, provided with

a lower end portion having slotted sides, a pin secured to the main portion of the plunger and passing through said slotted sides, and a coiled spring in a recess in the main portion and bearing against the lower end portion, said parts being combined substantially as described.

5. A paste-pot having a discharge-tube with a recessed portion, and a reciprocating plunger in said tube, having a spring-controlled sliding lower end, said parts being combined substantially as described.

6. A paste-pot having a discharge-tube with a recessed portion, and a reciprocating plunger in said tube, said plunger having a slotted lower end secured thereto by a pin passing through said slots and provided with a spring bearing against said lower end, said parts being combined substantially as described.

GEORGE P. SALISBURY.

Witnesses:
JOHN A. WIEDERSHEIM,
A. P. JENNINGS.