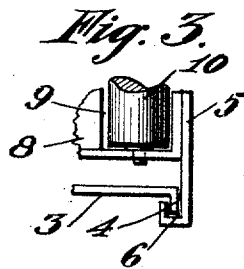
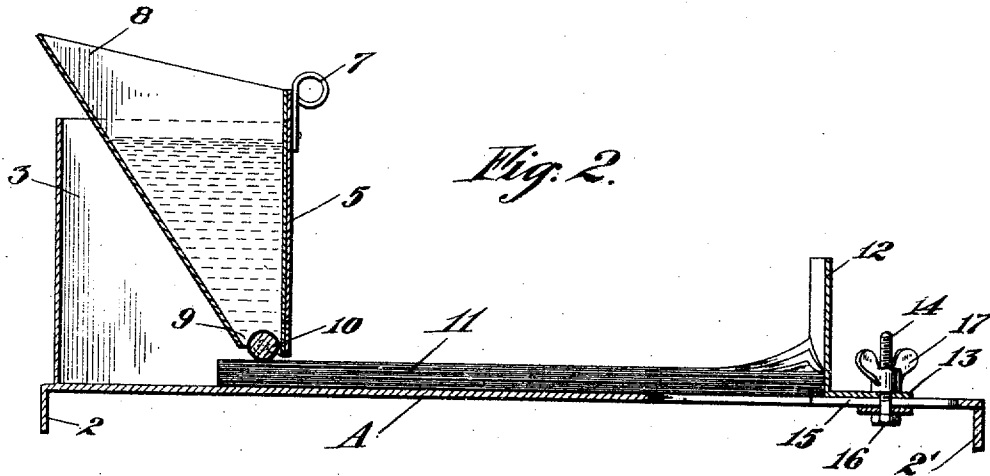
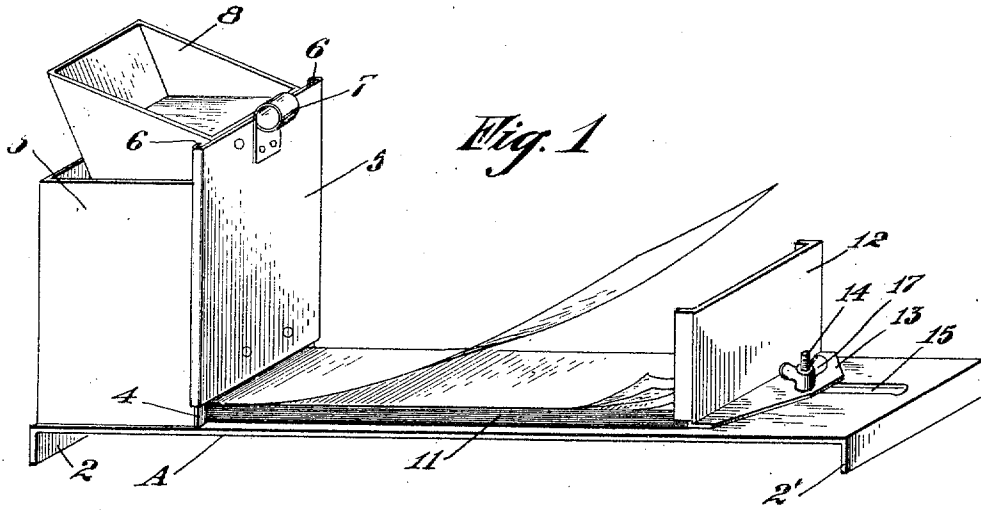


W. SUTTON.
 LABEL PASTING DEVICE.
 APPLICATION FILED MAY 23, 1910.

971,800.

Patented Oct. 4, 1910.



Witnesses;
R. S. Berry
F. E. Maynard.

Inventor
Walter Sutton
 By *G. H. Strong.*
 His Attorney.

UNITED STATES PATENT OFFICE.

WALTER SUTTON, OF SACRAMENTO, CALIFORNIA.

LABEL-PASTING DEVICE.

971,800.

Specification of Letters Patent.

Patented Oct. 4, 1910.

Application filed May 23, 1910. Serial No. 562,925.

To all whom it may concern:

Be it known that I, WALTER SUTTON, citizen of the United States, residing at Sacramento, in the county of Sacramento and State of California, have invented new and useful Improvements in Label-Pasting Devices, of which the following is a specification.

This invention relates to a label-pasting device and particularly pertains to an apparatus for distributing paste or other adhesive substance on the backs of labels, wrappers and sheet material in general.

It is the object of this invention to provide a label-pasting device by the use of which paste or the like may be evenly and thoroughly distributed on the backs of labels, and which is designed to take the place of the ordinary method of applying paste to labels with a brush by hand. The device is so constructed and arranged that labels can be pasted at great speed and more rapidly than by the brush method now in use, thus enabling the operator to label many more articles in a given time than is possible where a brush and paste pot are employed.

A further object is to provide a label-pasting device which is particularly adapted for use in pasting labels or wrappers such as are applied to tin fruit cans in which but a small portion of the end of the label is coated with paste, and where it is of great importance that the paste be properly applied so that none of it will come in contact with the tin cans, and thereby cause them to rust.

The invention consists of the parts and the construction and combination of parts as hereinafter more fully described and claimed, having reference to the accompanying drawings, in which—

Figure 1 is a perspective view of the invention. Fig. 2 is a vertical section of same, showing the manner of delivering the paste to the end of a label. Fig. 3 is a detail of a guide flange.

In the drawings A represents a horizontal base plate which may be rigidly secured to a table or work bench or be left free to be moved from one place to another. The ends of the plate A are turned down at 2—2' to form legs by which the plate is supported clear of the surface on which it rests. One end of the base plate A is provided with a vertically disposed guide frame 3, which is here shown as formed of a sheet of material secured to the top of the plate A extending

across the end and a short distance along each side of the plate. The ends of this vertical plate terminate on the same plane and are bent at right angles to form outwardly projecting flanges 4. A vertically slidable plate or carriage 5 is disposed laterally across the base plate A and is mounted on the guide frame 3 in such manner as to be moved up and down thereon. In this case I have shown the carriage plate 5 as having its side edges bent back and turned in such manner as to form grooves 6 which are adapted to engage the guide flanges 4 to retain the carriage plate 5 in a vertical position and permit of slidable movement on the flanges 4. A hand-hold 7 is provided on the carriage plate 5, by means of which the latter may be conveniently lifted upward on its guide frame. A paste-container or receptacle 8 in the form of a hopper is secured to the back of the carriage plate 5. This hopper is designed to be of approximately the same width as the label to be pasted and may be rigidly secured to the carriage plate 5, or may be detachably mounted thereon so that paste-containing hoppers of various widths may be mounted on the one carriage plate 5 as desired. The lower end of the paste-container is open to form a feed or discharge opening 9. A feed or distributing roller 10 is disposed across the mouth of the opening 9 and is revolvably supported in the sides of the hopper 8, the under side of the roller 10 extending below the bottom edge of the hopper 8 and the carriage plate 5.

The labels 11 to be pasted are placed face down on the base plate A with their end portions on which the paste is to be applied projecting the required distance under the carriage 5 and hopper 8 with the distributing roller 10 resting on the top or uppermost label 11. The labels 11 are stacked on the base plate A in any desired quantity, the depth of the stack being limited only by the height of the guide frame 3 and flanges 4. As a means of retaining the stack of labels in even alinement and to gage the extent of pasted surface on the ends of the labels, I provide an adjustable follower block 12 which abuts against the free ends of the labels 11 and keeps them in an even stack. This follower block or abutment plate 12 is provided with a flange 13 which bears upon the upper surface of the base plate A, and through which extends a threaded stud 14 slidable in a slot 15 in the plate A. The

5 follower block also has its edges bent parallel with the edges of the labels to embrace this end of the labels. A head 16 on the stud 14 retains it in the slot 15 and a wing-nut 17 on its upper end permits of the flange 13 being clamped tight to the base plate A and securely held against movement.

10 In operation, a stack of labels 11 are placed face downward on the base plate A and the abutment plate 12 set in such position on the plate A as to stack the labels 11, with the desired length of surface to be pasted extending under the carriage plate 6 and roller 10 on the hopper 8. The paste-15 container or hopper 8 is filled with any suitable adhesive mixture, such, for instance, as common flour or starch paste of a proper consistency. A label 11, on being lifted from the stack and withdrawn from under the carriage 5, rotates the roller 10 which, 20 by reason of being in contact with the paste in the hopper 8, causes such quantity of paste as adheres to its upper surface to be transferred to the end of the label 11. In this manner the uppermost label 11 is always in 25 readiness to be pasted and the speed with which each succeeding label may be pasted is limited only by the speed with which they can be successively withdrawn from under the paste-feeding and distributing roller 10. 30

If it is desired to paste a label nearly its full length, the end wall of the plate 2 may be cut away or dispensed with and the base plate A elongated, so that but a short portion of the label 11 will extend in front of 35 the carriage plate 5. On withdrawing the label from under the plate 5 paste will be evenly distributed over the remainder of the surface of the label by the feed roller 10.

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

1. A label-pasting device, said device consisting of a label support having a vertical 45 guide frame at one end having a part ex-

tending across the end and having other parts extending parallel with each other and with the sides of the support, said frame being open at the remaining side, a paste receptacle mounted in the open end of said 50 frame having means at the bottom for supplying paste to the labels, said receptacle having a carriage plate, the said edges of which slidably engage the corresponding edges of the parallel sides of the guide frame 55 whereby the paste receptacle may vertically move in said frame, and an abutment plate at the other end of the support adjustable toward and from the paste receptacle.

2. A label-pasting device, consisting of a 60 support for the labels, said support having at one end a guide frame which extends across said end and is provided with parallel sides extending for a portion of the distance along the side edges of the support, 65 said guide frame being open at one side and at the top, a paste receptacle mounted in the top and open side of the guide frame, a carriage plate fixed to the paste receptacle having its ends extending beyond the sides of 70 said receptacle, the adjacent edges of the carriage plate and the edges of the parallel sides of the guide frame being fashioned to engage and form guides for the carriage plate, a roller mounted in the discharge end 75 of the paste receptacle and beneath which roller the labels are passed, the ends of the labels projecting into the portion of the open front of the guide frame below the paste receptacle, and a follower block ad- 80 justably mounted on the opposite end of the support having its edges bent to embrace the corresponding edges of the labels.

In testimony whereof I have hereunto set my hand in the presence of two subscribing 85 witnesses.

WALTER SUTTON.

Witnesses:

F. J. LERMONEL,
E. P. HAMMOND.