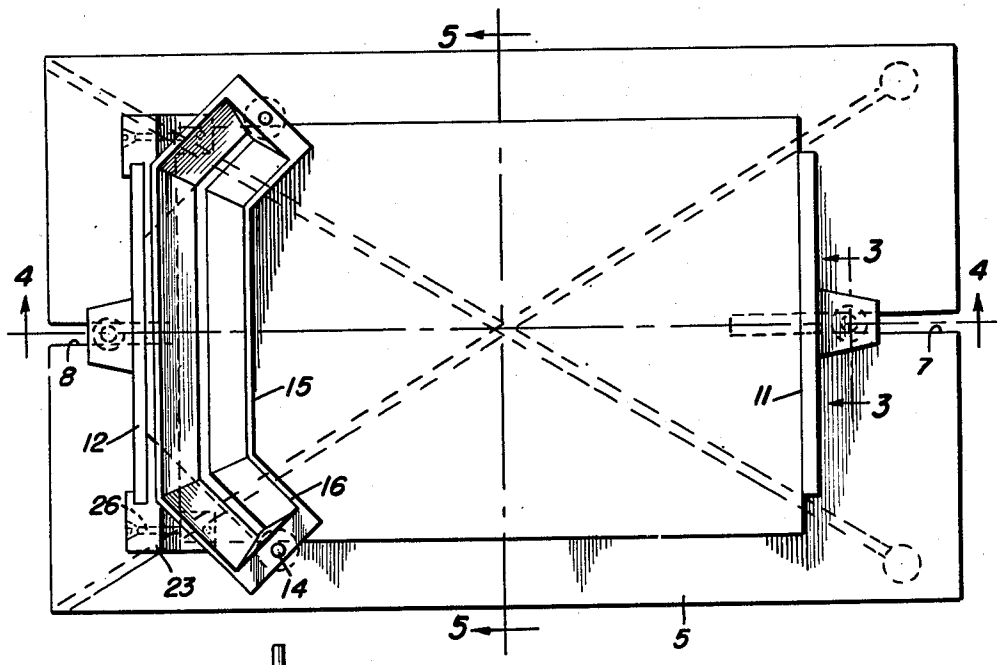
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PASTE APPLICATOR FOR WRAPPING PAPER

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Fig. 1



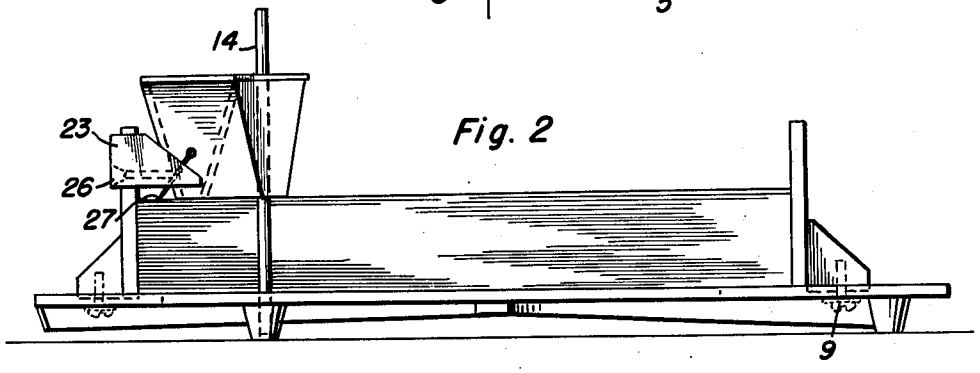
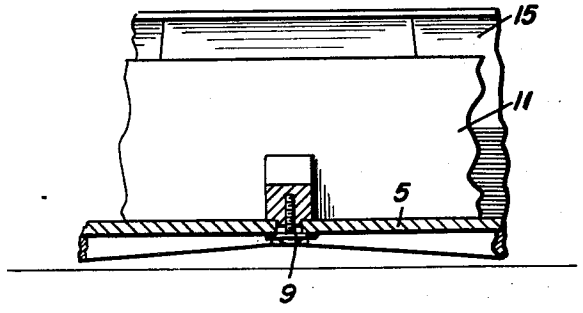


Fig. 2

Fig. 3



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Fig. 4

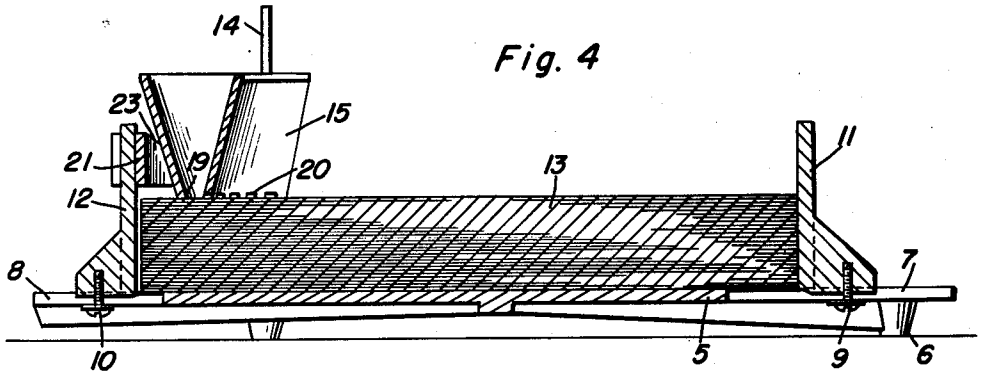


Fig. 5

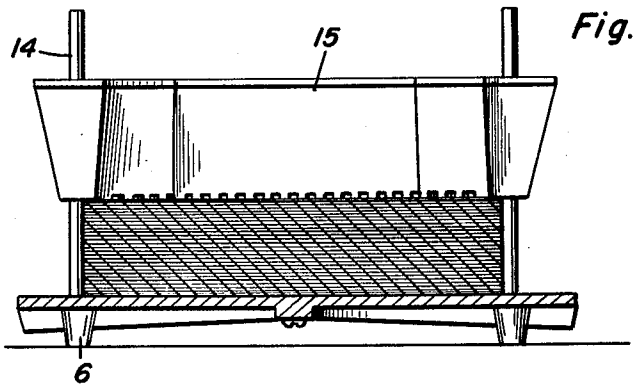


Fig. 6

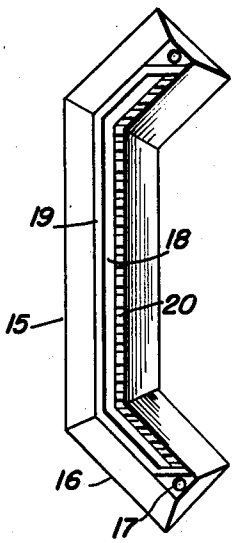
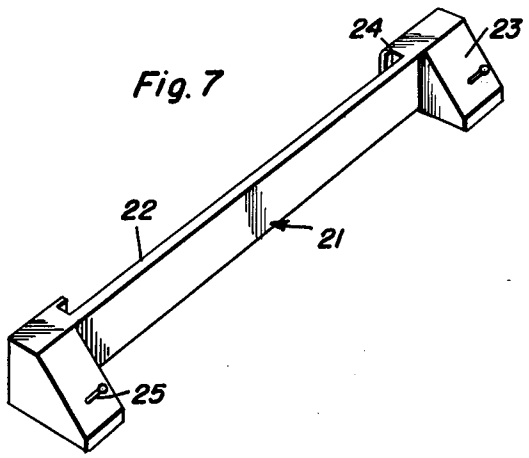


Fig. 7



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UNITED STATES PATENT OFFICE

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PASTE APPLICATOR FOR WRAPPING PAPER

Louis Derr, Jr., Battle Creek, Iowa

Application July 27, 1950, Serial No. 176,183

2 Claims. (Cl. 118—415)

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The present invention relates to new and useful improvements in paste applying devices for wrapping paper and more particularly to a device for applying paste to the uppermost sheet of a stack as it is wrapped.

An object of the invention is to provide means for holding the remaining sheets of the stack stationary and without danger of wrinkling as the upper sheet is being wrapped.

Another object is to provide an adjustable holder for stacks of paper of various size.

A further object is to provide a paste applying tank of novel construction to insure applying paste to the corners of the paper.

A still further object is to provide a device of this character of simple and practical construction, which is efficient and reliable in operation, neat and attractive in appearance, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a top plan view;

Figure 2 is a side elevational view;

Figure 3 is an enlarged fragmentary sectional view taken on a line 3—3 of Figure 1;

Figure 4 is a longitudinal sectional view taken on a line 4—4 of Figure 1;

Figure 5 is a transverse sectional view taken on a line 5—5 of Figure 1;

Figure 6 is a bottom plan view of the tank; and

Figure 7 is a perspective view of the slide.

Referring now to the drawing in detail, wherein, for the purpose of illustration, I have disclosed a preferred embodiment of my invention, the numeral 5 designates a base or table supported on feet 6.

The table is of rectangular shape and is formed at its ends with longitudinal slots 7 and 8 to adjustably receive set screws 9 and 10 for holding front and rear transverse stop boards 11 and 12 on top of the table against the ends of a stack of wrapping paper 13. The side edges of the stack of paper are held between a pair of upstanding posts 14 rising from the table and having their lower ends threaded into the rear feet 6 to reinforce the posts.

A trough-shaped tank 15 for holding paste or cement is positioned transversely of the table on top of the paper at the rear edge of said stack and

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is formed with forwardly inclined end portions 16 exposing the rear top corners of the stack and having vertical holes 17 in which the posts are received for free vertical sliding movement of the tank to maintain the tank resting on the paper as the stack is consumed.

The bottom of tank 15 is formed with a paste dispensing slot 18 which also extends into the end portions 16. The bottom of the tank 15 at the rear edge of slot 18 is ground flat, as shown at 19, and said bottom at the front edge of the slot is toothed, as shown at 20.

A slide 21 comprises a transverse bar 22 having heads 23 at its ends and formed with vertical grooves 24 sliding on the end edges of rear stop board 12 with the heads 23 overlying the stack of paper and pointed pins 25 are held in the heads by set screws 26 in a rearwardly inclined position and with their lower pointed ends 27 projecting below the heads to engage and hold the rear exposed corners of the uppermost sheet of paper.

In the operation of the device, a stack of wrapping paper 13 is placed on table 5 between posts 14 and stop boards 11 and 12 adjusted against the front and rear edges of the paper. Slide 21 is then placed on rear board 12 so that the pins 25 penetrate the uppermost sheet of paper and bite into the next lower sheet to hold the latter when the uppermost sheet is pulled forwardly, the rear edge of the upper sheet being ripped by the pins while holding the lower sheet.

Tank 15 is placed on posts 14 to slide downwardly thereon and to rest on the paper, and paste or cement is then placed in the tank to apply the paste to the paper.

As the upper sheet is pulled forwardly, the rear edge thereof is coated with paste, the toothed front edge 20 of the dispensing slot enabling the paste to spread onto the paper while the flat rear edge 19 of the slot prevents excess paste from working onto the paper. The forwardly inclined ends 16 of the tank, in addition to exposing the rear corners of the stack, also keep the paste from working over the side edges of the stack, while spreading the paste to the full width of the paper.

In view of the foregoing description taken in conjunction with the accompanying drawings, it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention, the same

is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and within the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. A paste applicator comprising a table adapted to support a stack of sheets of paper thereon for pulling of the sheets forwardly off the stack, a rear stop on said table for vertically aligning the rear edges of the sheets in the stacks, a slotted paste dispensing tank extending across the rear edge of the stack and having forwardly inclined ends extending diagonally of the rear edges of the stack to expose the rear upper corners of the stack and being connected to the table for vertical sliding movement of the tank downwardly onto the stack, a gravity slide on the rear stop extending across the stack and having

forwardly extending lateral heads overlying the rear exposed corners of the stack behind said ends of the tank, and paper holding means carried by said heads in the rear of said inclined ends and penetrating the uppermost sheets at the rear corners of the stack.

2. A paste applicator according to claim 1 wherein said means includes rearwardly and downwardly inclined pins weighted by said slide to penetrate said uppermost sheets.

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