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MEANS FOR APPLYING ADHESIVE TO WALLPAPER AND THE LIKE

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Fig. 1.

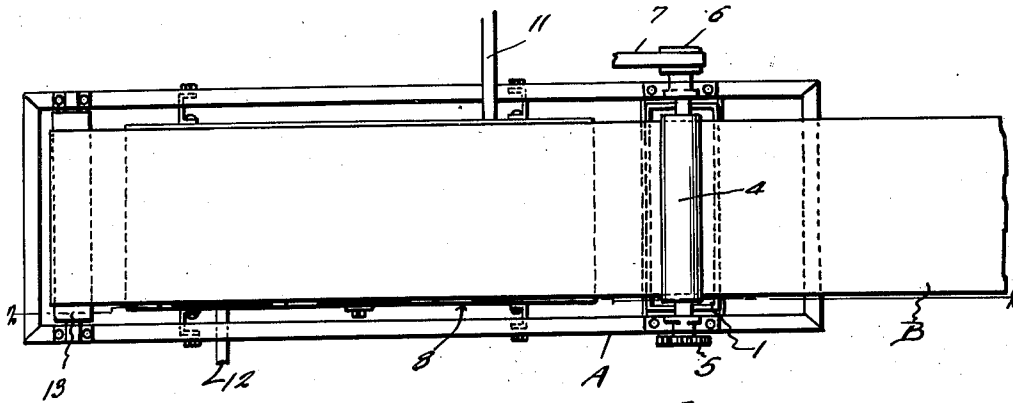


Fig. 2.

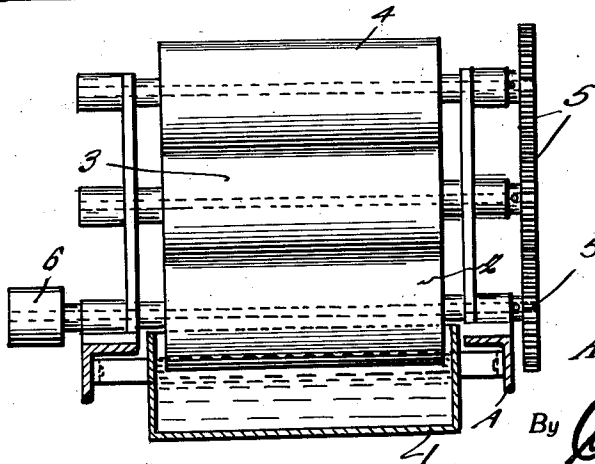
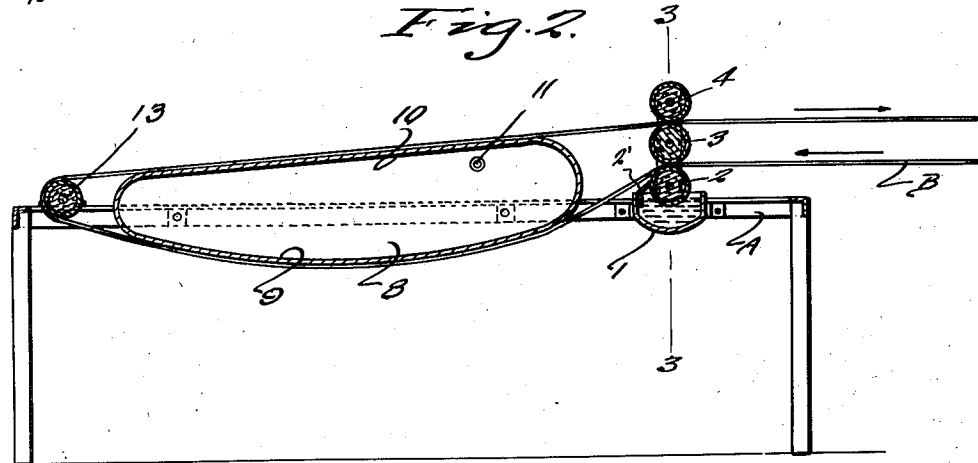


Fig. 3.

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MEANS FOR APPLYING ADHESIVE TO
WALLPAPER AND THE LIKE

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2 Claims. (Cl. 91—55)

This invention relates to the treatment of wall paper and the like to facilitate the hanging of the paper, the general object of the invention being to provide means for applying paste or the like to the rear face of the paper or other material and drying the adhesive so that the treated paper or other material can be sold to the consumer and the same readily applied to a surface by simply moistening the surface and then pressing the adhesive coated surface of the paper or other material to said surface, thus eliminating the application of paste or the like to the paper by the paper hanger or other person and also eliminates the handling of the wet paper.

This invention also consists in certain other features of construction and in the combination and arrangement of several parts, to be hereinafter fully described, illustrated in the accompanying drawing and specifically pointed out in the appended claims.

In describing the invention in detail, reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a top plan view of an apparatus used in applying the paste or adhesive to the paper and drying the same.

Figure 2 is a longitudinal sectional view through Figure 1.

Figure 3 is a section on the line 3—3 of Figure 2.

In this drawing the letter A indicates a table or upright frame which has a transverse trough 1 extending across the top of the frame adjacent one end thereof, the trough being adapted to contain paste, glue or the like and the numeral 2 indicates a roller supported from the frame and extending into the contents of the trough. A second roller 3 is arranged above the first roller and a third roller 4 is arranged above the second roller, these rollers being connected together by the gears 5 as shown. One of the rollers, for instance, the lower one can be driven from any suitable source by any suitable means such as the pulley 6 and the belt 7. An elongated substantially oval-shaped horizontally arranged member 8 is supported by the table in rear of the rollers, this member being formed with the substantially convex bottom part 9 and the top part 10 which is substantially flat but slopes upwardly toward the rollers. This member can be heated in any suitable manner such as by introducing steam into the same through the pipe 11, the steam exhausting through the pipe 12. A roller 13 is supported in the frame in rear of the

member 8. The paper or other material to be treated is shown at B and is fed between the rollers 2 and 3, the roller 2 supplying paste or the like to one face of the paper or other material and then the paper passes across the bottom part 9 of the heater where it is subjected to heat and then the paper passes over the roller 13 and back over the top part of the heater and then passes between the rollers 3 and 4 to a take-up roller or other point where the paper is to be rolled, packed or otherwise handled.

Thus it will be seen that that face of the paper or other material which is to be applied to a surface is first treated with paste or other adhesive and then the paper dried to dry the adhesive. Then the paper can be rolled, packed or otherwise handled to be shipped to the consumer. Thus all the consumer has to do is to moisten the surface to which the paper or other material is to be applied and then apply the paper with the dry adhesive thereon to the moistened surface which will soften the adhesive and cause the paper to stick to the surface. As before stated this will eliminate the handling of wet paper or the like and the application of paste to the paper. An adjustable scraper blade 2' is provided on the roller 2 to remove surplus paste therefrom.

While the invention is mainly designed to use for wall paper it will, of course, be understood that it can be used for bill board signs and the like to which sheets bearing advertising and the like are applied and where strips of large paper or similar material are to be pasted to a wall.

It is thought from the foregoing description that the advantages and novel features of the invention will be readily apparent.

It is to be understood that changes may be made in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What is claimed is:—

1. In a device of the class described comprising an upright frame, a dryer supported by the frame and comprising an elongated oval-shaped hollow member adapted to contain steam and having a convex bottom part and a sloping substantially flat top part, a trough supported in the frame and adapted to contain adhesive material, a roller extending into the material, a second roller arranged on the first roller, the rollers receiving a strip or sheet between them and guiding said strip or sheet to contact the convex bottom part of the dryer, a roller in rear of the dryer over which the strip or sheet is

trained, and a third roller between which and the second roller the strip or sheet is passed to guide said strip or sheet in contact with the sloping substantially flat part of the dryer.

- 5 2. In a device of the class described comprising an upright frame, a dryer supported by the frame and comprising an elongated oval-shaped hollow member adapted to contain steam and having a convex bottom part and a sloping substantially flat top part, a trough supported in the frame and adapted to contain adhesive material, a roller extending into the material, an

adjustable scraper secured to the trough for removing surplus adhesive material from the roller, a second roller arranged on the first roller, the rollers receiving a strip or sheet between them and guiding said strip or sheet to contact the convex bottom part of the dryer, a roller in rear of the dryer over which the strip or sheet is trained, and a third roller between which and the second roller the strip or sheet is passed to guide said strip or sheet in contact with the sloping substantially flat top part of the dryer.

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