

Sept. 19, 1933.

W. J. JENKINS

1,927,549

WALL PAPERING MACHINE

Filed Feb. 25, 1932

2 Sheets-Sheet 1

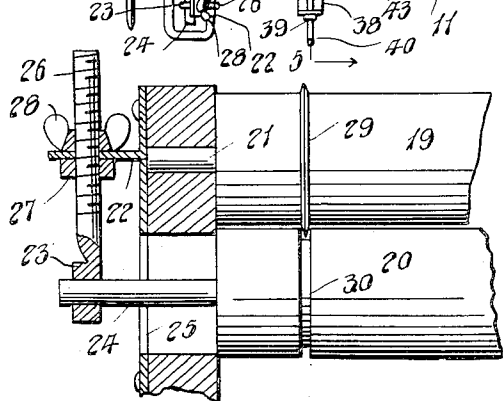
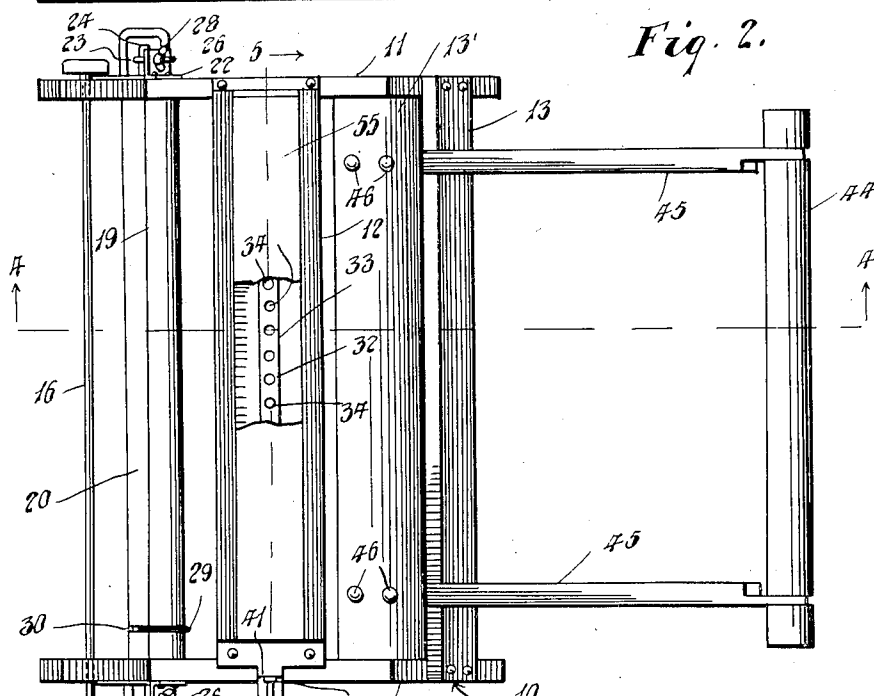
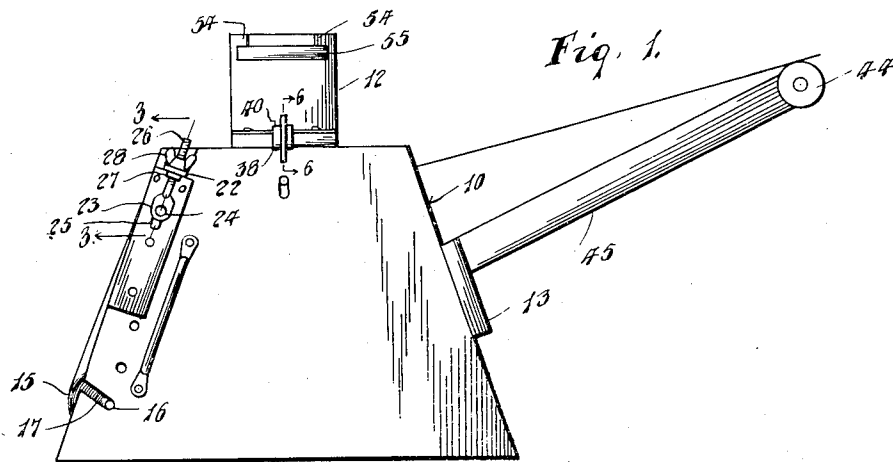


Fig. 3.

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Fig. 4.

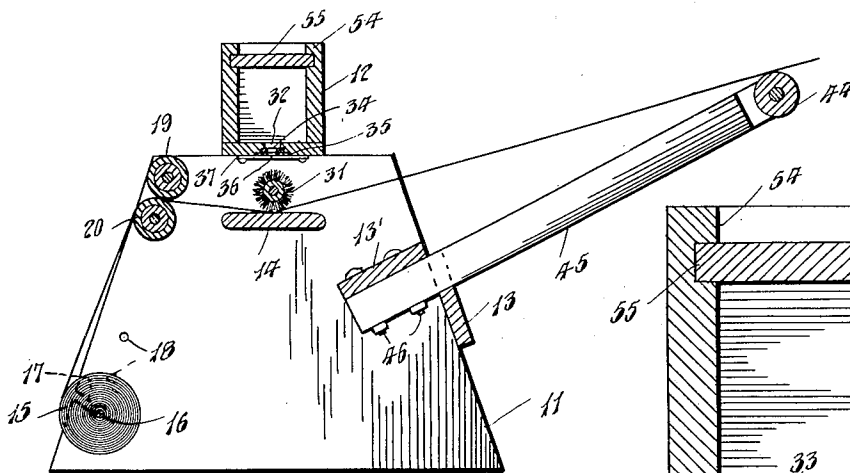


Fig. 7.

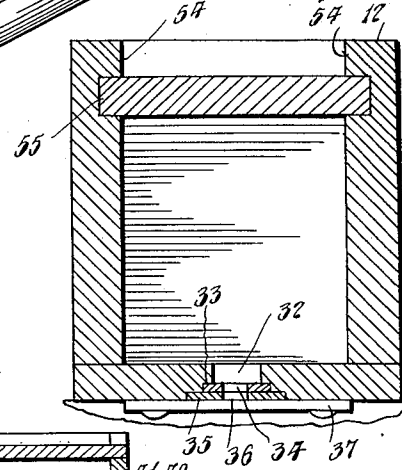


Fig. 5.

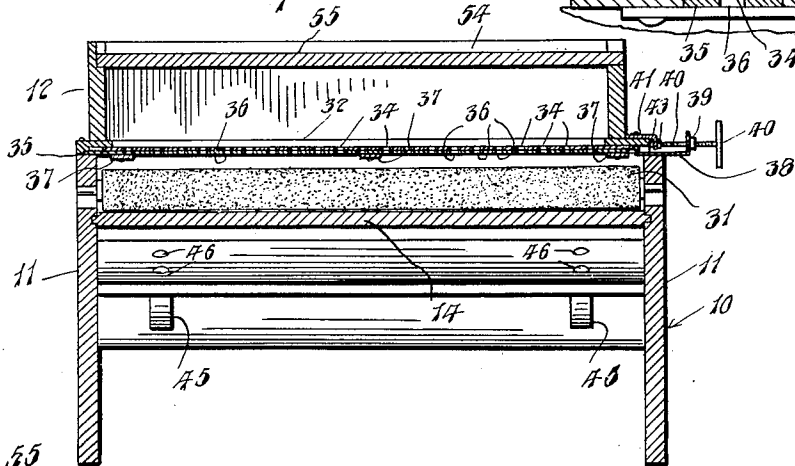


Fig. 6.

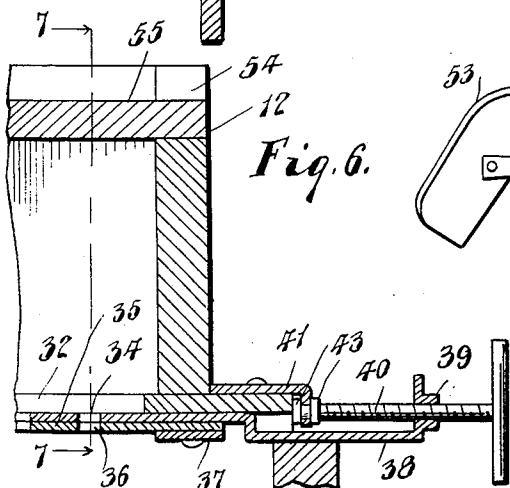
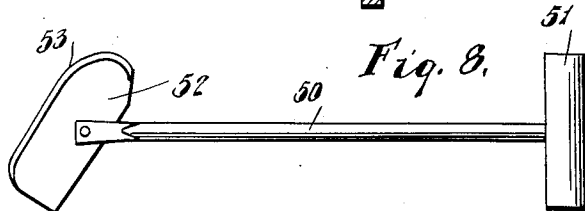


Fig. 8.



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UNITED STATES PATENT OFFICE

1,927,549

WALL PAPERING MACHINE

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Application February 25, 1932. Serial No. 595,158

3 Claims. (Cl. 91-14)

This invention relates to a machine for placing and applying wall paper in an efficient and expeditious manner.

It is primarily aimed to provide a novel machine in which a roll of wall paper may be held, paste applied to the paper as it passes through the machine or preferably over a pasting board and under a pasting roll to which paste is supplied by valved means, and which paper then passes over a roll in offset relation to the machine.

The more specific objects and advantages will become apparent from a consideration of the description following, taken in connection with accompanying drawings illustrating an operative embodiment.

In said drawings:

Figure 1 is an end elevation of the machine,

Figure 2 is a plan view,

Figure 3 is a detail section taken on the line 3-3 of Figure 1,

Figure 4 is a cross section taken on the line 4-4 of Figure 2,

Figure 5 is a longitudinal section taken on the line 5-5 of Figure 2,

Figure 6 is an enlarged section taken on the line 6-6 of Figure 1,

Figure 7 is an enlarged cross sectional view through the paste trough, and

Figure 8 is an elevation of the cutting knife.

Referring specifically to the drawings wherein like reference characters designate like or similar parts, 10 designates a suitable supporting frame particularly having end members 11 rigidly connected together as by means of a longitudinally extending trough 12, a bar 13 and paste board 14. A roll of wall paper is shown at 15 supported on a removable rod 16 applicable to slots or openings 17 and 18 according to the height or adjustment desired for the roll.

The free end of the paper passes between a pair of rolls 19 and 20, arranged above them, the former having trunnions at 21 whereby it is journaled in the end members 11. Metallic brackets 22 are secured to the end members 11 which suspend bearings 23 in which trunnions 24 of the rollers 20 are journaled. Rollers 20 are vertically adjustable since the trunnions 24 extend through slots 25 in the members 11 and since the bearings 23 are vertically adjustable, having screw rod portions 26 passing through the brackets 22, nuts 27 below the brackets and wing nuts 28 above the brackets.

An annular cutter 29 is provided on the roller 19 and is adapted to extend into an annular groove 30 in the roller 20. As a result, as the

paper 15 passes between the rolls 19 and 20, one edge thereof is trimmed or cut off through engagement with the knife 29.

From the rollers 19 and 20 the paper passes over the pasting board 14 and under a pasting roller 31 suitably journaled in the end members 11. The roller 31 is arranged directly under the discharge opening 32 extending longitudinally of the paste trough 12. Said opening is covered by a metallic plate 33 having outlet openings 34 therethrough with which coacts a metallic plate 35 having openings 36 therethrough. Plate 35 is held in position by cleats 37 and is slidable longitudinally with respect to the plate 33 so as to vary the discharge by opening or throttling the openings 34 and 36 as desired.

In order to slide the plate 35, a bracket 38 is formed integral therewith having a nut 39 rigid therewith and engaged with a manually operable screw rod 40. Screw rod 40 is journaled in a bracket 41 secured adjacent the paste trough and the screw rod is held against longitudinal movement relative to the bracket 41 by nuts or stops 43 thereon.

A roller 44 is journaled on arms 45, in offset relation to the remainder of the machine, such arms being suitably secured to the bars 13 and 13' as by means of bolts 46.

In the use of the device, the same may be arranged on the floor, table or otherwise. The operator pulls the paper over the roller 44, the pasted side being uppermost and such paper preferably being pulled with one hand while the opposite arm is arranged below the paper. The paper is applied to the wall adjacent the floor and then upwardly to the desired height, and finally being cut off by the operation of a hand tool or the equivalent, such as is illustrated in Figure 8. Such device comprises a shank 50 having a handle 51 and a diagonally disposed blade 52 with a cutting edge at 53.

Obviously the rollers may be made of any desired material such as aluminum, hard rubber or the like.

The paste trough 12 has a cover 54 longitudinally slidable in grooves 55.

Various changes may be resorted to provided they fall within the spirit and scope of the invention.

What is claimed is:—

1. A wall papering machine having means to support a roll of paper, coacting rollers above said means, one of said rollers having a trimming knife and the other roller having a groove accommodating operation of the knife, a pasting

board forwardly of the rollers, a paste trough above said board, a paste applying roller between the trough and board, a valve plate to regulate the discharge from the paste tank to the last mentioned roller, a bracket on the machine, a screw journaled in the bracket, a nut on the valve plate engaged by the screw, an end member on the machine, said trough terminating short of said end member to provide a portion to which said bracket is attached, and said valve plate having a bracket carrying said nut, the last mentioned bracket being slidable on the top of said end member.

2. In a wall papering machine, means to mount and move a strip of wall paper, a board to support a portion of said paper during its movement, a paste trough arranged over said board and provided with valved means to supply the paper supported on the board with paste, said board preventing sagging of the paper by the weight of the paste, and a rotary brush arranged above the board to spread the paste on the paper.

3. In a paste applying means for wall papering machines, a paste trough having a plurality of discharge openings for dispensing the paste therefrom, a slide valve arranged above the discharge openings and having openings therein to align therewith, a bracket secured to one end of the trough, a screw rod rotatably carried by said bracket, and the slide valve having an angular end provided with a threaded opening to engage said threaded rod.

WARDIE J. JENKINS.

20	95
25	100
30	105
35	110
40	115
45	120
50	125
55	130
60	135
65	140
70	145
75	150