July 1, 1941. L. J. MANKA 2,247,447

WALLPAPER MACHINE

Filed Oct. 23, 1939 4 Sheets-Sheet 1

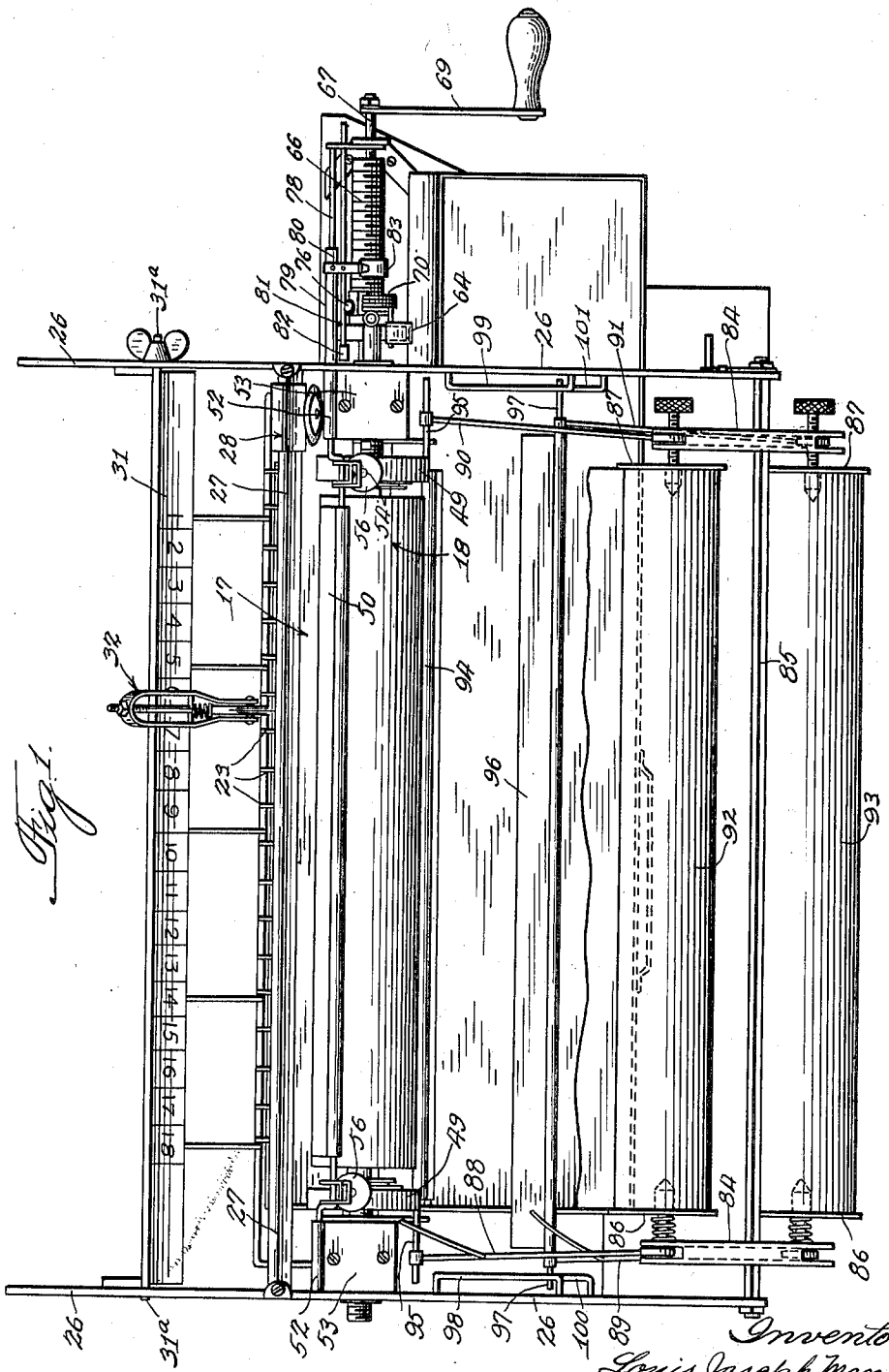

Fig. 1.

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WALLPAPER MACHINE

Filed Oct. 23, 1939 4 Sheets-Sheet 2

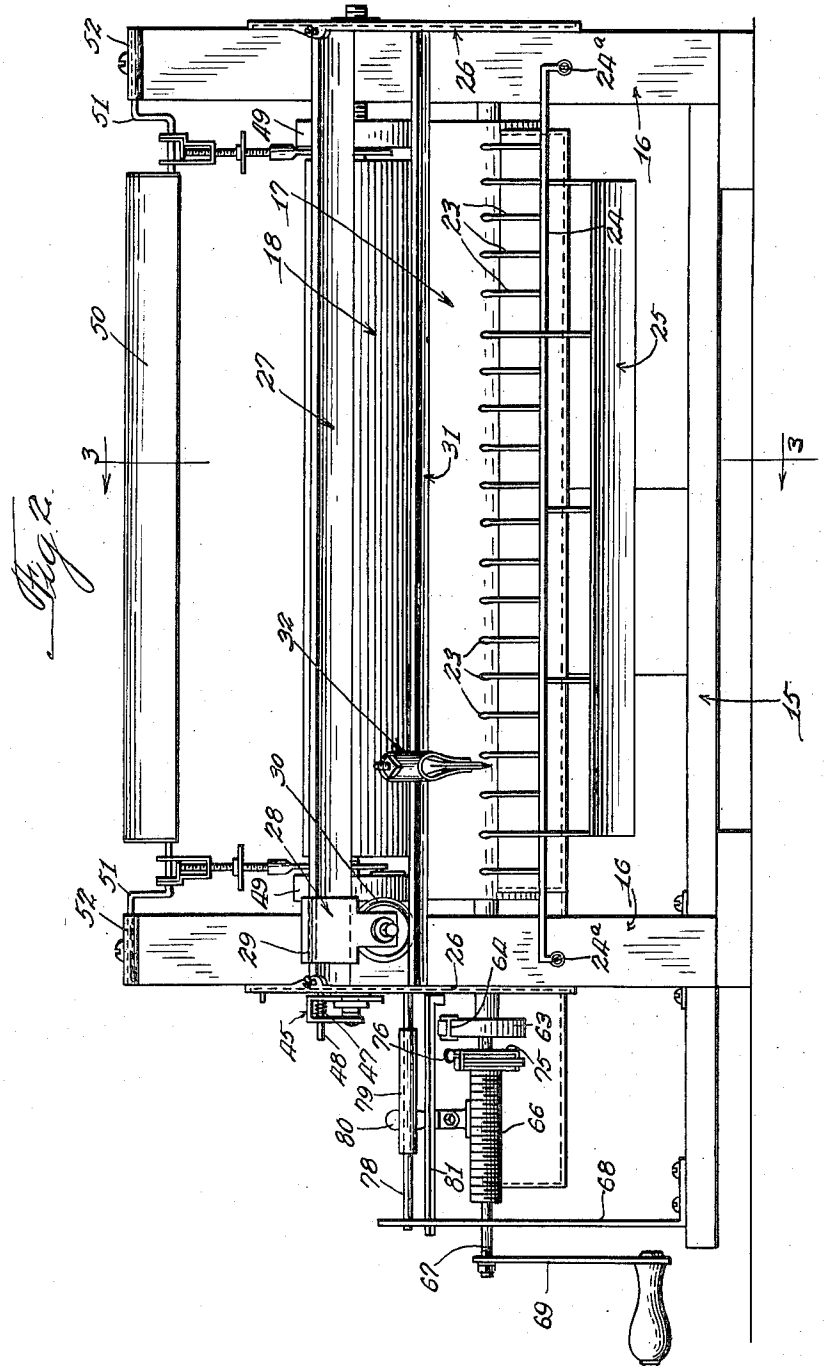

Fig. 2.

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Filed Oct. 23, 1939 4 Sheets-Sheet 3

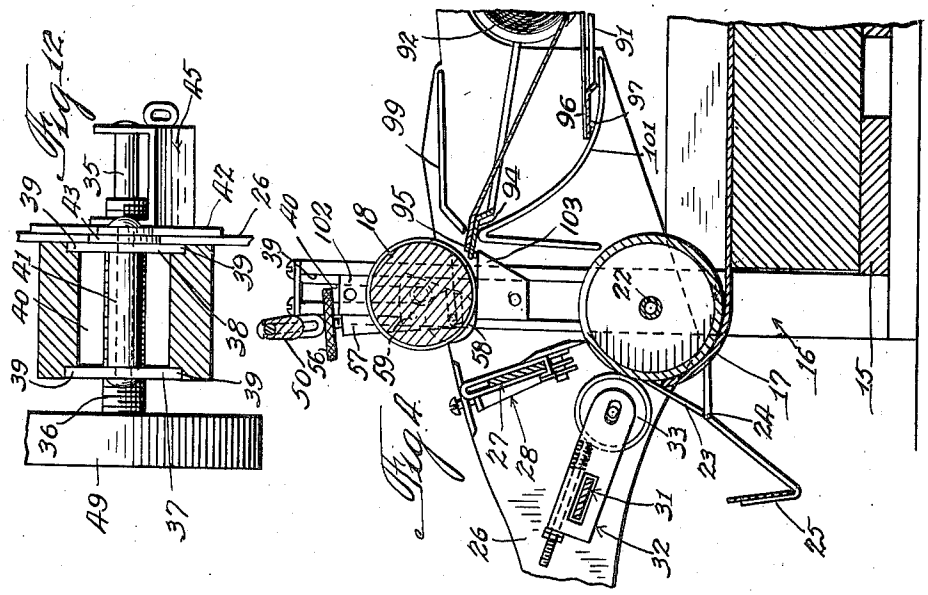

Fig. 4.

Fig. 12.

Fig. 10.

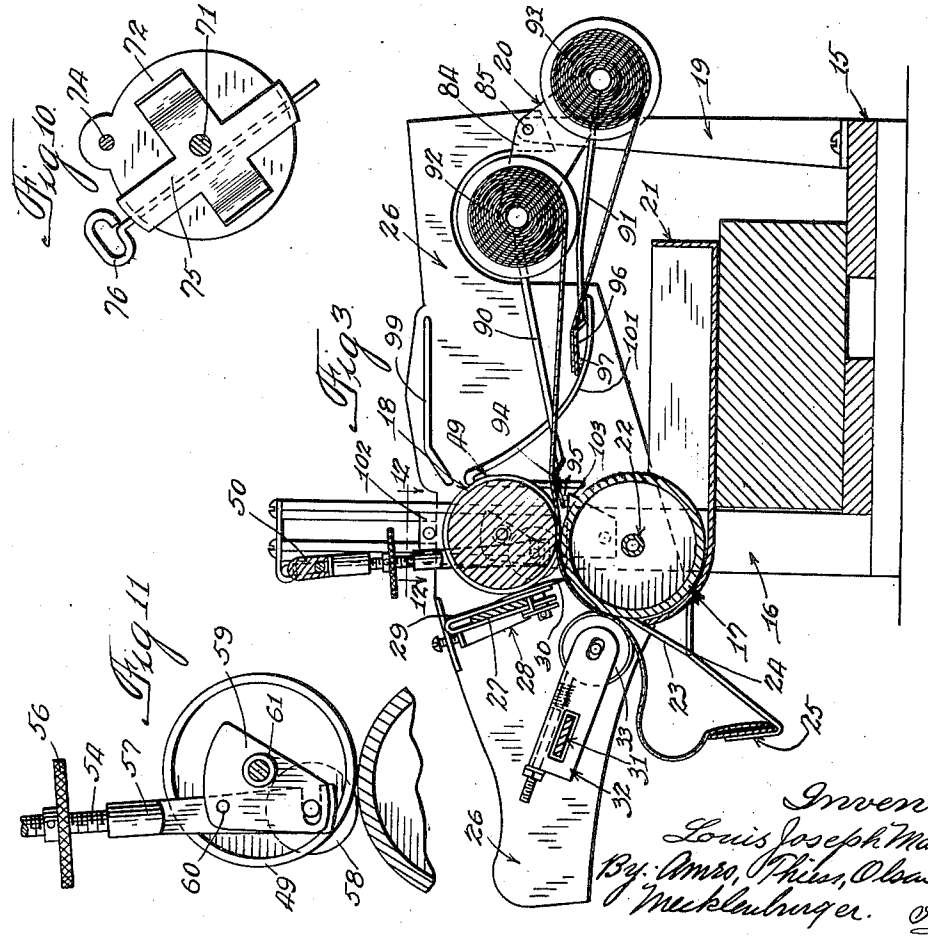

Fig. 3.

Fig. 11.

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WALLPAPER MACHINE

Filed Oct. 23, 1939 4 Sheets-Sheet 4

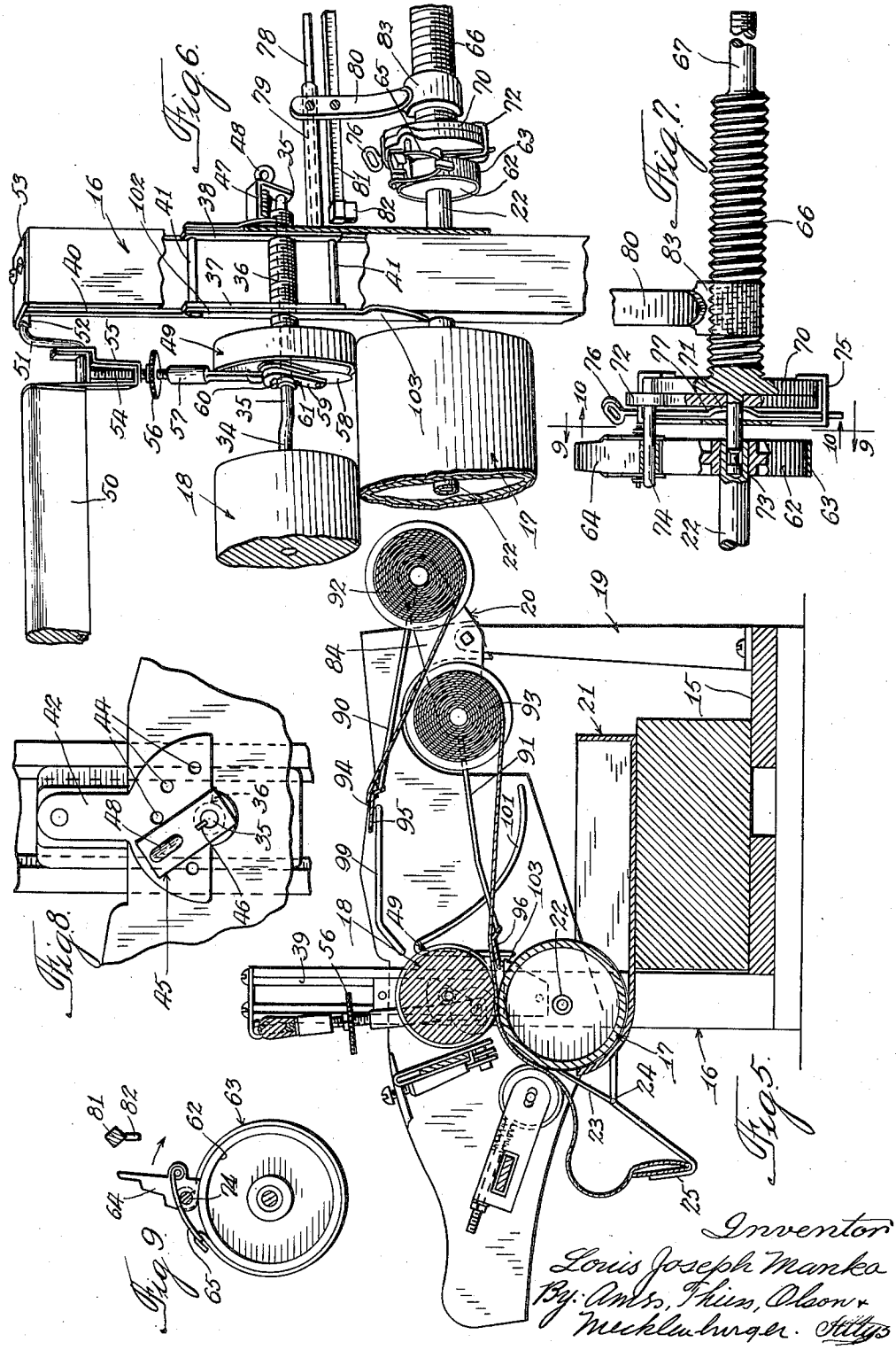

Fig. 6.

Fig. 7.

Fig. 8.

Fig. 9.

Fig. 5.

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Patented July 1, 1941

2,247,447

UNITED STATES PATENT OFFICE

2,247,447

WALLPAPER MACHINE

Louis Joseph Manka, Fort Madison, Iowa

Application October 23, 1939, Serial No. 300,690

20 Claims. (Cl. 91—14)

This invention relates to a wallpaper machine and has special reference to an apparatus for selectively feeding wallpaper from one of a plurality of rolls to cutting and trimming devices for forming individual lengths and for coating these lengths with a film of adhesive.

More particularly, this invention relates to a device of the above character comprising a base having co-operative supporting and pressure rolls mounted thereon with a reel rotatably mounted on the base for carrying a plurality of rolls of wallpaper or the like, there being means associated with the reel for directing a strip of wallpaper from a selected roll of the reel to and between the supporting and pressure rolls.

The present invention contemplates the mechanical handling of and operation upon rolls of wallpaper or the like for preparation to hang on the walls of a room or other enclosure in a manner more efficient than the usual manual handling and operation thereon. In figured wallpaper where the figures are not aligned transversely of the roll, a roll is cut into strips and, in order to have matching strips when placed adjacent each other if cut from a single roll, as much as a whole figure in the paper may be wasted and such waste may readily be fifteen or eighteen inches. This amount of waste, multiplied by all or a substantial portion of the number of strips about a room necessary to complete the papering thereof, is very substantial. The present invention contemplates the selective use from a plurality of rolls of paper so that certain of the strips are cut in one portion of the paper whereas in other strips they are cut from a new roll at another portion of the paper so that adjacent strips match and no waste is had. Of course, where the figured paper contains figures that are aligned laterally of the strip, successive strips may be taken from the same roll since each cut for the various strips may be taken across a corresponding line.

In the operation of the present apparatus a reel is rotatably mounted on the base for carrying a plurality of rolls of wallpaper or the like and arms are pivotally mounted on the reel, one pair of spaced arms for each roll of wallpaper. A rest is carried by each pair of spaced arms for supporting and for directing a strip of wallpaper from a selected roll to and between the supporting and pressure rolls. Guides engage the arms to position one of the rests adjacent the supporting roll automatically upon movement of the reel, the remaining rests being moved away from the supporting roll. Thus the guides selectively present the rests into and out of position adjacent the supporting roll automatically upon movement of the reel into predetermined positions.

The supporting roll is mounted on the base above a paste receptacle into which latter the roll partially is immersed, the roll carrying a film of paste for transfer to one side of the strip of wallpaper passing between the supporting roll and the pressure roll. As the strip of wallpaper is passed between the pressure and supporting roll, cutting elements co-operating with the supporting roll trim the side edges of the strip and as the strip reaches a predetermined position a second cutting element operable across the supporting roll in the direction of its axis cuts the strip into lengths of predetermined size. The pressure roll is adjustable with respect to the supporting roll so that the wallpaper passing therebetween may have a film of paste of any desired thickness. That is, if the pressure roll rests tightly against the supporting roll, the film of paste is thin, and if the pressure roll does not rest tightly against the supporting roll, then the film of paste is accordingly heavier.

The application of paste to one side of the surface of the wall paper as performed in the present apparatus is much more efficiently done than if the paste were applied by hand. For example, given an embossed wallpaper, if paste is applied by hand to one side thereof, the embossed portions of the paper are filled with paste and, in hanging, the embossed portions are ordinarily flattened out. In the present apparatus when embossed paper is passed between the pressure and the supporting roll, the pressure roll is raised so that little if any pressure is applied and the supporting roll applies the film of paste only to the flat surfaces of the paper, the paste not entering the embossed portions thereof. In hanging the paper on the wall, therefore, the embossed portions are not wet since paste is not applied thereto and, therefore, are not flattened out so that the effect desired by the use of embossed paper is fully obtained.

It is also a feature of the present invention to accurately measure each strip of wallpaper and cut the same into predetermined lengths without the necessity of actually measuring manually each strip before it is cut. In order to accomplish this a clutch and brake mechanism is employed between the operating means for feeding the paper through the apparatus and the feed mechanism itself. Such clutch is automatically operated to disconnect the clutch and brake after

the strip fed through the apparatus obtains a predetermined length.

One of the objects of this invention is to provide a device of the character described above which is simple and efficient in operation, is comparatively inexpensive to manufacture, and is durable.

Another object of this invention is to provide a device of the type hereinabove noted in which strips of wallpaper are cut from selected rolls in order that matching strips may be obtained without waste for side-by-side placement on a wall.

It is also an object of this invention to provide a device of the hereinabove noted type wherein the lengths of the strips of wallpaper are automatically determined for cutting into desired lengths.

Other objects and advantages of this invention will hereinafter be more particularly pointed out and, for a more complete understanding of the characteristic features of this invention, reference may now be had to the following description when taken together with the accompanying drawings, in which latter:

Figure 1 is a top plan view of an apparatus embodying the features of this invention;

Fig. 2 is a front elevational view of Fig. 1;

Fig. 3 is a sectional view taken along the lines 3—3 of Fig. 2;

Fig. 4 is a view similar to Fig. 3 with a portion thereof broken away and showing a changed position of the operating parts thereof;

Fig. 5 is a view similar to Fig. 3 showing a further changed position of the operating parts thereof;

Fig. 6 is an enlarged fragmentary perspective view of a portion of the driving means for the operating mechanism of the construction of the present invention;

Fig. 7 is an enlarged elevational view partially in section of the clutch mechanism between the driving means and operating mechanism of the construction of the present invention;

Fig. 8 is an elevational view of a portion of the adjusting means for the pressure roll of the construction of the present invention;

Fig. 9 is a sectional view taken on the line 9—9 of Fig. 7;

Fig. 10 is a sectional view taken on the line 10—10 of Fig. 7;

Fig. 11 is a fragmentary view of another portion of the adjusting means for the pressure roll of the construction of the present invention; and

Fig. 12 is an enlarged sectional view taken on the line 12—12 of Fig. 3.

Referring now to the drawings and more particularly to Figs. 1, 2 and 3 thereof, the device incorporating the features of this invention comprises generally a base 15 having spaced uprights 16 extending from the forward end thereon on and between which are mounted a supporting roll 17 and a pressure roll 18. At the rear end of the base 15 a pair of uprights 19 are mounted for supporting a reel 20, the reel being rotatably mounted therebetween. A paste receptacle 21 is mounted on the base below the supporting roll 17, the supporting roll being partially immersed in the paste of the receptacle 21.

The supporting roll 17 is preferably formed of a metal, wood or other rigid material, and, for example, if of metal the roll is formed of a cylindrical shell, or if a wood, a solid block. The roll is preferably provided with a zinc surface upon which the cutting elements may coact in the cutting and trimming of the strip of wallpaper as it is fed between the supporting roll and the pressure roll. The supporting roll 17 is mounted on a shaft 22, the shaft extending through suitable bearings fixed in the uprights 16.

Co-operating with the supporting roll 17 are a plurality of stripper fingers 23 extending from a supporting rod 24, the latter being secured as by means of screws 24a to the uprights 16. The supporting rod 24 also carries a trough 25 of substantial V-shape, when viewed in cross section, for directing a fold of the pasted strip passing through and between the supporting and pressure rolls 17 and 18, respectively. The trough 25 folds adjacent pasted surfaces together and likewise directs the positioning of adjacent dry surfaces.

A mounting plate 26 is carried on the outside of each of the uprights 16 and carries therebetween a guide 27 extending substantially parallel with and adjacent to the pressure roll 18. A cutting element 28 slidably engages the guide 27 for movement thereacross for cutting the strips of wallpaper into desired lengths. The cutting element 28 comprises a closed-loop bracket 29 formed preferably of sheet metal, the bracket having a forked extension forming bearings for receiving and supporting a rotary cutter 30. Normally the cutting element 28 is in a position at one side of the device beyond either edge of the strip of wallpaper and as the strip is fed a predetermined distance the cutter element is manually moved laterally across the strip, the cutter acting against the zinc surface of the supporting roll to sever the strip into a desired length.

A guide 31 is disposed between the spaced mounting plates 26 and is carried thereby, the guide supporting in slidable engagement therewith a cutting element 32. This cutting element may be of the same construction as the cutting element previously recited although, as shown more particularly in Fig. 3, the rotary cutter 33 thereof is spring-pressed against the supporting roll 17 whereas the cutting element 28 is operated across the supporting roll by hand and such pressure as is exerted is obtained by hand. The guide 31 is preferably pivotally mounted as at 31a on and between the mounting plates 26 so that when not necessary for use the cutting element is thrown outwardly from engagement with the supporting roll 17. The cutting element 32 is only employed when it is desired to obtain a strip of less than normal width for corners, borders, and the like.

The pressure roll 18 is disposed between the spaced uprights 16 and is rotatably mounted on an offset portion 34 of a shaft 35. The shaft 35 is mounted in externally threaded bearings 36 shown more particularly in Fig. 6, and the bearings 36, in turn, threadedly engage internally threaded apertures in plates 37 and 38 substantially midway of the ends thereof in order that the bearings 36 may have longitudinal movement with respect to the supports therefor. The plates 37 and 38 are seated in grooves 39 as shown more paricularly in Fig. 12 of the drawings, the plates 37 and 38 being slidable in these seats in grooves 40 of the uprights. The plates are suitably positioned with respect to each other by means of spacers 41, the spacers receiving bolts therethrough which bolts extend through

the spacers and have heads for preventing relative movement between the plates.

Referring now more particularly to Figs. 6, 8 and 12, the shaft 35 may be set to one of several predetermined positions in order that the pressure roll 18 mounted on the offset portion 34 of the shaft 35 may be adjustable with respect to the supporting roll 17. A plate 42 is secured to the plate 38 by means of the bolt extending through the spacer 41, there being a washer 43 of the thickness of the mounting plate 26 to hold the plate 42 in a spaced relation for a sliding movement on the uprights 16. The plate 42 is provided with a plurality of apertures 44 spaced in an arcuate relation with respect to the axis of the shaft 35. A substantially U-shaped bracket 45 is mounted on the shaft 35 at the end thereof adjacent to the plate 42, the bracket being fixed to the shaft by means of a key 46.

A spring-pressed plunger 47 extends through apertures in the arms of the U-shaped bracket 45 and is slidable therein, one end of the plunger having a finger piece 48 for the operation thereof and the other end extending into a selected aperture 44 of the plate 42 with which it may be moved into registration by a rotative movement of the bracket. A rotation of the bracket 45 moves the shaft 35 to one of a plurality of positions determined by the particular aperture 44 chosen to receive the plunger 47 whereby the offset portion 34 of the shaft 35 positions the pressure roll 18 with respect to the supporting roll 17 to obtain the desired clearance therebetween.

A driving wheel 49 is rotatably mounted on the shaft 35 at a position adjacent each of the ends of the supporting roll 17 for feeding the strip of wall paper from the roll through and between the pressure roll 18 and the supporting roll 17. The pressure of the driving wheel 49 on the supporting roll 17 is obtained through the weight of the members supported on the shaft 35.

In order to lift the pressure roll 18 clear of the supporting roll 17 when, as shall hereinafter be more particularly pointed out, it is necessary to change the feed from one roll of wallpaper to another roll of wallpaper, an operating bar 50 is secured at each end thereof to a crank arm 51, one end of the crank arm at each end of the operating bar 50 being journalled in a bearing 52 extending from a plate 53. The plate 53 is secured by means of screws or the like to the upper end of each of the uprights 16. A connecting rod is secured to the crank arm 51 at each side of the operating arm 50 for connection to the shaft 35, the connecting rod comprising a screw 54 threadedly engaging a saddle 55 and having an operating nut 56 for the adjustment thereof, the screw 54 being connected to one end of an arm 57. The other end of the arm 57 is forked to receive between the arms of the fork a cutting element 58 in the form of a rotating wheel. A pair of plates 59 are disposed on each side of the forked portion of the arm 57, the plates 59 being pivotally secured to the arm 57 by means of a pin 60. The plates 59 are provided with registering apertures in bearings 61 thereof through which the shaft 35 extends as shown more particularly in Fig. 11.

The operating arm 50 is moved on the crank 51 in the bearing 52 to lift the connecting rod and therethrough the shaft 35 in a direction away from the supporting roll 17. The shaft 35 moves perpendicularly in the uprights 16 by reason of its being guided by the plates 37 and 38 in the seats forming guides in the uprights. Upon returning the operating arm 50 to its initial position the driving wheel 49 engages the supporting roll 17 by its own weight and the weight of the members secured to the shaft 35. The shaft may assume a locked condition to prevent its displacement therefrom by reason of the over-the-center movement of the connecting rod, as shown more particularly in Figs. 3 and 5.

The shaft 22, on which the supporting roll 17 is mounted, extends on one side through the upright 16 and, as shown more particularly in Figs. 6 and 7, terminates a short distance therebeyond to receive in fixed engagement therewith a friction wheel 62 forming a part of a brake. A brake band 63 is disposed about the periphery of the friction wheel 62, one end of the brake band being secured to an operating lever 64 and the other end being hook-shaped to receive one end of link 65, the other end of the link being secured to the operating lever 64. In the position shown in Fig. 9, the brake band has frictional engagement with the friction wheel 62. When the lever 64 is pivoted in a manner such as will hereinafter be more fully pointed out, the brake band 63 is released from its frictional engagement with the brake or friction wheel 62.

A screw 66 forming an auxiliary shaft to the main shaft 22 is provided at one end with a reduced extension 67 extending through an aperture in a standard 68 mounted on the base 15. As shown in the drawings, an operating handle 69 is secured to the reduced extension 67 for rotating the screw 66 although it is to be fully understood that a pulley or the like may be substituted for the operating handle for connection with a source of power for rotating the screw. The other end of the screw 66 is provided with a disc 70 and a reduced extension 71, the latter extending through an aperture in a friction disc 72 and resting in a bearing formed by an aperture 73 at the end of the shaft 22. The screw 66 is thus supported by and between the shaft 22 and the standard 68.

A pin 74 is mounted on the disc 72 and extends from the face thereof forming a pivot on which the lever 64 is pivotally mounted. The discs 70 and 72 are held in frictional engagement by a strap 75 which, as shown in Fig. 7, is made operative by a key 76 having an offset portion 77 over an intermediate portion thereof. The ends of the key are mounted in apertures in the strap whereby a rotative movement will force the disc 72 and 70 in frictional engagement with each other and a further movement of the key will release the discs by moving the offset portion into another position.

In the position of the friction clutch and brake shown in Figs. 7 and 9, the lever 64 holds the brake band in frictional engagement with the friction wheel 62 which latter has fixed engagement with the shaft 22, and the key 76 is in such a position that the offset portion 77 urges the face of the disc 72 into frictional engagement with the face of the disc 70.

A rotation of the handle 69 rotates the shaft 22 through the brake and friction clutch mechanism. A rotation of the shaft 22 carries therewith the supporting roll 17 and rotation is had of the supporting roll 17 and the driving wheel 49 which has frictional engagement therewith through the strip of wallpaper fed therebetween. Thus the strip is fed through the pressure and supporting rolls 18 and 17, respectively.

It is desirable that the strip of paper be cut into predetermined lengths and mechanism is provided for automatically releasing the brake

so that continued rotation of the operating handle 69 will not rotate the supporting roll 17. A rod 78 secured to and between the mounting plate 26 and the standard 68 acts as a guide for a sleeve 79 carrying therewith an arm 80. The arm 80, in turn, carries a finger 81 at the end of which is mounted a projection 82. A threaded portion of a nut 83 is secured to the end of the arm 80 for engaging the threads of the screw 66 so that upon rotation of the operating handle 69, the screw 66 moves the nut 83 in one direction to carry therewith the arm 81 and the projection 82. When the projection 82 moves into the path of movement of the lever 64 the lever 64 is pivoted on the pin 74 to release the brake band 63 from the friction wheel 62 and thus rotation of the supporting roll 17 is discontinued.

The threads of the screw 66 are of a pitch preferably such that a single revolution of the operating handle 69 moves the strip of paper a distance of one foot between the pressure and supporting rolls. Before the strip is inserted in place between the pressure and supporting rolls, the lever 64 is operated to release the friction of the brake band 63 on the friction wheel 62 and the key 76 is operated to a position such that the offset portion 77 does not urge the discs 72 and 70 in a frictional relation. A desired number of revolutions and part-revolutions of the operating handle 69, to the amount necessary to feed the strip a predetermined distance, is made and the arm 81 is set in a position such that the projection 82 will engage the lever 64 when the lever is in an upright position. The screw is thereafter removed and brought back in an initial starting position adjacent the disc 70 and the key 76 is rotated to a position such that the offset portion 77 thereof urges the discs 72 and 70 into frictional engagement and the lever 64 is moved to an upright position to obtain the necessary friction between the brake band 63 and the brake drum 62 of the friction wheel. The apparatus is thereafter in condition to feed the strip from the roll of wallpaper through the pressure and supporting rolls a certain predetermined distance as determined by the projection 82 releasing the lever 64.

The reel 20 comprises a pair of spaced channel end plates 84 pivotally mounted on a rod 85 which latter is mounted on and between the uprights 19 and the mounting plates 26. Spring pressed centering discs 86 are mounted on one of the end plates 84, one disc for each roll of wallpaper to be supported by the reel. Centering discs 87 are mounted on and extend from the opposed end plate 84, the discs being mounted on adjustable screws passing through the end plates, one disc for each roll of wallpaper. The rolls of wallpaper are mounted between the pairs of centering discs 86 and 87.

Arms 88, 89, 90 and 91 are pivotally mounted to the end plates 84, pairs of arms 88 and 90 and 89 and 91 being supported preferably on the pivots of the centering discs of the respective rolls of wallpaper 92 and 93. A rest 94 is mounted on a cross bar 95 supported on and between the arms 88 and 90 and another rest 96 is mounted on a cross bar 97 supported on and between the arms 89 and 91. Guides 98 and 99 are mounted on the mounting plates 26 for engagement with extensions of the cross bar 95. Guides 100 and 101 are mounted on mounting plates 26 for engagement with extensions of the cross bar 97.

Referring now more particularly to Fig. 3 of the drawings, the apparatus is shown as feeding a strip of wallpaper from the roll 92, the rest 94 having directed the end of the strip from that roll between the pressure and supporting rolls 18 and 17, respectively. When it is desired to operate upon a strip from the roll 93, the operating bar 50 is pivoted on the crank 51 to the position shown in Fig. 4 where the pressure roll 18 is lifted in a substantial spaced-apart relation with the supporting roll 17. The raising of the pressure roll 18 through the connecting rod secured between the operating bar 50 and the shaft 35 carries therewith a plate 102 secured by the bolt passing through the spacer 41 to each of the plates 37. The plate 102 has a hook-shaped member 103 extending beyond the rear face of the upright 16 for engagement with the rod 95. The rod 95, being lifted in this manner with the pressure roll 18, carries the rest 94 to a position at the end of an inclined portion of the guide 99, the edge of the hook also being in alignment with the uppermost portion of the upwardly inclined guide 101. In this position the reel 20 is rotated into a position shown in Fig. 5 and the lowering of the pressure roll by manipulation of the operating handle 50 permits the rest to be lowered into position to feed the end of the strip from the roll 93 between the pressure and supporting rolls.

While but a single embodiment of this invention is herein shown and described, it is to be understood that various modifications thereof may be apparent to those skilled in the art without departing from the spirit and scope of this invention and, therefore, the same is only to be limited by the scope of the prior art and the appended claims.

I claim:

1. In a device of the character described, a base, a supporting roll rotatably mounted on said base, a pressure roll rotatably mounted on said base for adjustable co-operation with said supporting roll, a reel rotatably mounted on said base for carrying a plurality of rolls of wallpaper or the like, and means associated with said reel for directing a strip of wallpaper from a selected roll of said reel to and between said supporting and pressure rolls.

2. In a device of the character described, a base, uprights mounted on said base, a shaft rotatably mounted on and between said uprights, means for rotating said shaft, a supporting roll fixedly mounted on said shaft to rotate therewith, a pressure roll rotatably mounted on said uprights for adjustable co-operation with said supporting roll, means for directing a strip of wallpaper from a roll of wallpaper to and between said supporting and pressure rolls, means co-operating with said supporting roll for feeding said strip through said pressure and supporting rolls, and automatic means associated with said shaft for measuring the length of said fed strip.

3. In a device of the character described, a base, uprights mounted on said base, a shaft rotatably mounted on and between said uprights, means for rotating said shaft, automatic clutch means between said rotating means and said shaft, a supporting roll fixedly mounted on said shaft to rotate therewith, a pressure roll rotatably mounted on said uprights for adjustable co-operation with said supporting roll, means for directing a strip of wallpaper from a roll of wallpaper to and between said supporting and pressure rolls, and means co-operating with said supporting roll for feeding said strip through said pressure and supporting rolls.

4. In a device of the character described, a base, spaced uprights mounted on said base, a main shaft rotatably mounted on and between said uprights, an extension shaft extending beyond one of said uprights, a clutch between said shafts, means for actuating said clutch automatically upon a predetermined number of revolutions of said shafts, a supporting roll fixedly mounted on said main shaft to rotate therewith, a pressure roll rotatably mounted on said uprights for adjustable co-operation with said supporting roll, means for directing a strip of wallpaper from a roll of wallpaper to and between said supporting and pressure rolls, and means co-operating with said supporting roll for feeding said strip through said pressure and supporting rolls.

5. In a device of the character described, a base, a paste receptacle mounted on said base, a supporting roll rotatably mounted on said base above said paste receptacle for partial immersion therein, a pressure roll rotatably mounted on said base for adjustable co-operation with said supporting roll, a reel rotatably mounted on said base for carrying a plurality of rolls of wallpaper or the like, means associated with said reel for directing a strip of wallpaper from a selected roll of said reel to and between said supporting and pressure rolls, means co-operating with said supporting roll for feeding said strip through said pressure and supporting rolls, a guide member extending substantially parallel with said supporting roll, and a cutting member slidable along said guide member for cutting said strip into individual lengths.

6. In a device of the character described, a base, a paste receptacle mounted on said base, a supporting roll rotatably mounted on said base above said paste receptacle for partial immersion therein, a pressure roll rotatably mounted on said base for adjustable co-operation with said supporting roll, a cutting member at each end of said pressure roll, means for directing a strip of wallpaper from a roll of wallpaper to and between said supporting and pressure rolls, means co-operating with said supporting roll for feeding said strip through said pressure and supporting rolls, a guide member extending substantially parallel with said supporting roll, and a cutting member slidable along said guide member for cutting said strip into individual lengths, said pressure roll cutting members trimming said strip into a desired width.

7. In a device of the character described, a base, a paste receptacle mounted on said base, a supporting roll having a zinc surface and being rotatably mounted on said base above said paste receptacle for partial immersion therein, a pressure roll rotatably mounted on said base for adjustable co-operation with said supporting roll, a cutting member at each end of said pressure roll for engaging said zinc surface, means for directing a strip of wallpaper from a roll of wallpaper to and between said supporting and pressure rolls, means co-operating with said supporting roll for feeding said strip through said pressure and supporting rolls, a guide member extending substantially parallel with said supporting roll, and a cutting member slidable along said guide member in engagement with said zinc surface for cutting said strip into individual lengths, said pressure roll cutting members trimming said strip into a desired width.

8. In a device of the character described, a base, a supporting roll rotatably mounted on said base, a pressure roll rotatably mounted on said base for adjustable co-operation with said supporting roll, a reel rotatably mounted on said base for carrying a plurality of rolls of wallpaper or the like, spaced arms pivotally mounted on said reel and extending from each roll thereon, and a rest carried by and between each of said spaced arms for supporting and for directing a strip of wallpaper from a selected roll of said reel to and between said supporting and pressure rolls.

9. In a device of the character described, a base, a supporting roll rotatably mounted on said base, a pressure roll rotatably mounted on said base for adjustable co-operation with said supporting roll, a reel rotatably mounted on said base for carrying a plurality of rolls of wallpaper or the like, a pair of spaced arms for each roll pivotally mounted on said reel, a rest carried by and between each pair of spaced arms for supporting and for directing a strip of wallpaper from a selected roll of said reel to and between said supporting and pressure rolls, and guides for engaging said arms to position one of said rests adjacent said supporting roll automatically upon movement of said reel and the remaining rests away from said supporting roll.

10. In a device of the character described, a base, a paste receptacle mounted on said base, a supporting roll rotatably mounted on said base above said paste receptacle for partial immersion therein, a pressure roll rotatably mounted on said base for adjustable co-operation with said supporting roll, a reel rotatably mounted on said base for carrying a plurality of rolls of wallpaper or the like, a pair of spaced arms for each roll pivotally mounted on said reel, a rest carried by and between each pair of spaced arms for supporting and for directing a strip of wallpaper from a selected roll of said reel to and between said supporting and pressure rolls, a guide for each of said spaced arms for selectively presenting said rests into and out of position adjacent said supporting roll automatically upon movement of said reel into predetermined positions.

11. In a device of the character described, a base, spaced standards on said base, a shaft rotatably mounted in fixed bearings of said standard, a supporting roll fixedly mounted on said shaft and rotatable therewith, a guideway for each of said standards, a second shaft mounted in said guideways for slidable movement towards and away from said supporting roll, a pressure roll rotatably mounted on said shaft, a reel rotatably mounted on said base for carrying a plurality of rolls of wallpaper or the like, means associated with said reel for directing a strip of wallpaper from a selected roll of said reel to and between said supporting and pressure rolls, a driving wheel on said pressure roll shaft adjacent each end of said supporting roll for frictional co-operation therewith to feed said strip, and means for rotating said supporting roll shaft.

12. In a device of the character described, a base, spaced standards on said base, a shaft rotatably mounted in fixed bearings of said standard, a supporting roll fixedly mounted on said shaft and rotatable therewith, a guideway for each of said standards, a second shaft mounted in said guideways for slidable movement towards and away from said supporting roll, said shaft having an offset portion intermediate the ends thereof, a pressure roll rotatably mounted on said offset portion of said shaft for adjusting the po-

sition of said pressure roll with respect to said supporting roll, means for directing a strip of wallpaper from a roll of wallpaper to and between said supporting and pressure rolls, means on said pressure roll shaft adjacent each end of said supporting roll for frictional co-operation therewith to feed said strip, and means for rotating said supporting roll shaft.

13. In a device of the character described, a base, spaced standards on said base, a shaft rotatably mounted in fixed bearings of said standard, a supporting roll fixedly mounted on said shaft and rotatable therewith, a guideway for each of said standards, a second shaft mounted in said guideways for slidable movement towards and away from said supporting roll, said shaft having an offset portion intermediate the ends thereof, a pressure roll rotatably mounted on said offset portion of said shaft, means for holding said shaft in various positions of rotatable adjustment for predetermining the relation of said pressure and supporting rolls, and means for directing a strip of wallpaper from a roll of wallpaper to and between said supporting and pressure rolls, means on said pressure roll shaft adjacent each end of said supporting roll for frictional co-operation therewith to feed said strip, and means for rotating said supporting roll shaft.

14. In a device of the character described, a base, spaced standards on said base, a main shaft rotatably mounted in fixed bearings of said standard, an auxiliary shaft for connection with a source of power, a clutch connecting said shaft, a supporting roll fixedly mounted on said main shaft and rotatable therewith, a guideway for each of said standards, a second shaft mounted in said guideways for slidable movement towards and away from said supporting roll, a pressure roll rotatably mounted on said shaft, means for directing a strip of wallpaper from a roll of wallpaper to and between said supporting and pressure rolls, means on said pressure roll shaft adjacent each end of said supporting roll for frictional co-operation therewith to feed said strip, and means for automatically actuating said clutch in one condition thereof to predetermine the length of said strip.

15. In a device of the character described, a base, spaced standards on said base, a shaft rotatably mounted in fixed bearings of said standard, a supporting roll fixedly mounted on said shaft and rotatable therewith, a guideway for each of said standards, a second shaft mounted in said guideways for slidable movement towards and away from said supporting roll, a pressure roll rotatably mounted on said shaft, means for directing a strip of wallpaper from a roll of wallpaper to and between said supporting and pressure rolls, a driving wheel on said pressure roll shaft adjacent each end of said supporting roll for co-operation therewith to feed said strip, cutting members adjacent the ends of said supporting rolls for trimming said strip to predetermined widths and for cutting said strip into predetermined lengths, and means for rotating said supporting roll shaft.

16. In a device of the character described, a base, a paste receptacle mounted on said base, spaced standards on said base, a shaft rotatably mounted in fixed bearings of said standard, a supporting roll fixedly mounted on said shaft and rotatable therewith, said supporting roll being partially immersed in said paste receptacle, a guideway for each of said standards, a second shaft mounted in said guideways for slidable movement towards and away from said supporting roll, a pressure roll rotatably mounted on said shaft, means for adjusting said pressure roll relative to the axis of said shaft, means for directing a strip of wallpaper from a roll of wallpaper to and between said supporting and pressure rolls for receiving a film of paste on one surface thereof from said supporting roll, a driving wheel on said pressure roll shaft adjacent each end of said supporting roll for co-operation therewith to feed said strip, and means for rotating said supporting roll shaft.

17. In a device of the character described, a base, a paste receptacle mounted on said base, spaced standards on said base, a shaft rotatably mounted in fixed bearings of said standard, a supporting roll fixedly mounted on said shaft and rotatable therewith, said supporting roll being partially immersed in said paste receptacle, a guideway for each of said standards, a second shaft mounted in said guideways for slidable movement towards and away from said supporting roll, a pressure roll rotatably mounted on said shaft, means for directing a strip of wallpaper from a roll of wallpaper to and between said supporting and pressure rolls for receiving a film of paste on one surface thereof from said supporting roll, a driving wheel on said pressure roll shaft adjacent each end of said supporting roll for co-operation therewith to feed said strip, a trough of substantial V-shape for receiving one end of said strip, fingers adjacent said supporting roll for stripping said strip from said supporting roll and directing the same to said trough, and means for rotating said supporting roll shaft.

18. In a device of the character described, a base, spaced standards on said base, a shaft rotatably mounted in fixed bearings of said standard, a supporting roll fixedly mounted on said shaft and rotatable therewith, a guideway for each of said standards, a second shaft mounted in said guideways for slidable movement towards and away from said supporting roll, a pressure roll rotatably mounted on said shaft, a reel rotatably mounted on said base for carrying a plurality of rolls of wallpaper or the like, spaced arms mounted on said reel, a rest on said spaced arms for supporting and for directing a strip of wallpaper from a selected roll of said reel to and between said supporting and pressure rolls, said arms and rest being actuated into its operative positions by movement of said reel, a driving wheel on said pressure roll shaft adjacent each end of said supporting roll for frictional co-operation therewith to feed said strip, and means for rotating said supporting roll shaft.

19. In a device of the character described, a base, spaced standards on said base, a shaft rotatably mounted in fixed bearings of said standard, a supporting roll fixedly mounted on said shaft and rotatable therewith, a guideway for each of said standards, a second shaft mounted in said guideways for slidable movement towards and away from said supporting roll, a pressure roll rotatably mounted on said shaft, a reel rotatably mounted on said base for carrying a plurality of rolls of wallpaper or the like, a pair of spaced arms for each roll pivotally mounted on said reel, a rest on each of said spaced arms for supporting and for directing a strip of wallpaper from a selected roll of said reel to and between said supporting and pressure rolls, guides

on said standards for engaging said arms for movement thereof into predetermined positions upon movement of said reel, a driving wheel on said pressure roll shaft adjacent each end of said supporting roll for frictional co-operation therewith to feed said strip, and means for rotating said supporting roll shaft.

20. In a device of the character described, a base, spaced standards on said base, a shaft rotatably mounted in fixed bearings of said standard, a supporting roll fixedly mounted on said shaft and rotatable therewith, a guideway for each of said standards, a second shaft mounted in said guideways for slidable movement towards and away from said supporting roll, a pressure roll rotatably mounted on said shaft, a reel rotatably mounted on said base for carrying a plurality of rolls of wallpaper or the like, arms movably mounted on said reel, a transversely extending rest mounted on said arms for supporting and for directing a strip of wallpaper from a selected roll of said reel to and between said supporting and pressure rolls, guides extending in the general direction of movement of said strip for engaging and directing movement of said arms into predetermined positions upon movement of said reel, means movable with said pressure roll for engaging said arms in predetermined positions thereof for guiding said arms in a direction angularly to the movement of said strip upon movement of said pressure roll, a driving wheel on said pressure roll shaft adjacent each end of said supporting roll for frictional co-operation therewith to feed said strip, and means for rotating said supporting roll shaft.

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