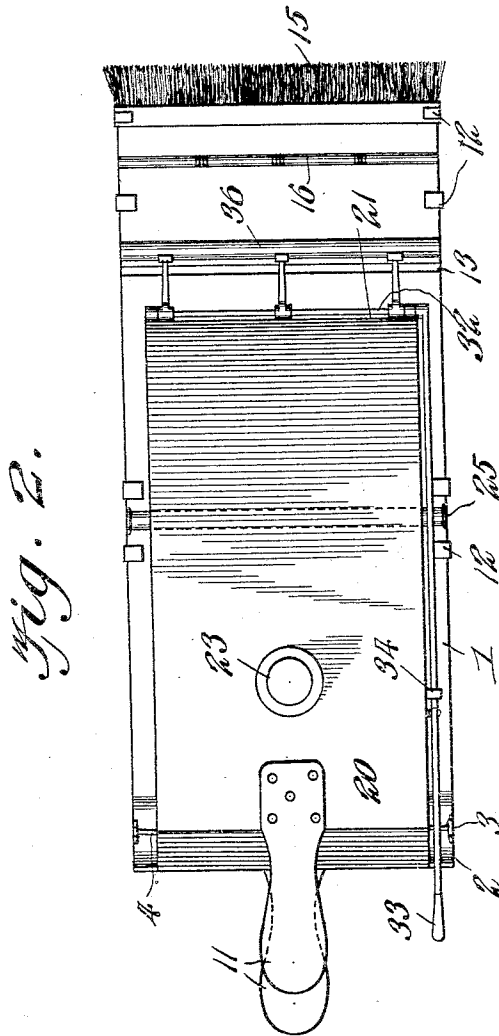
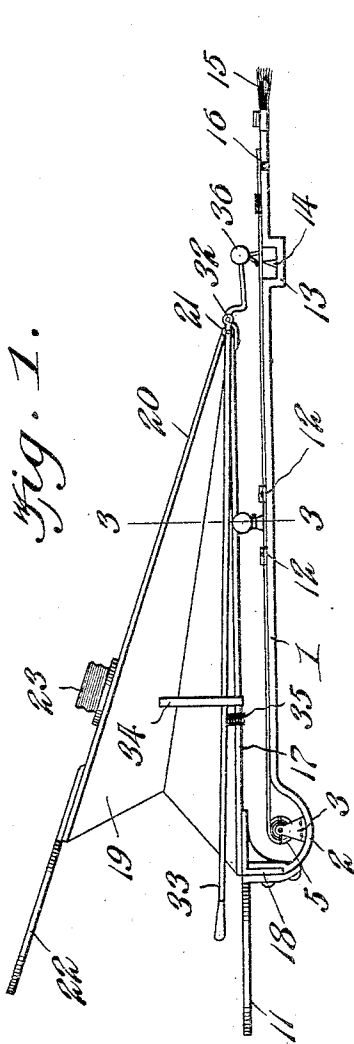


J. W. BARCLAY.
WALL PAPERING MACHINE.
APPLICATION FILED NOV. 20, 1908.

933,689.

Patented Sept. 7, 1909.

2 SHEETS—SHEET 1.



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Fig. 3.

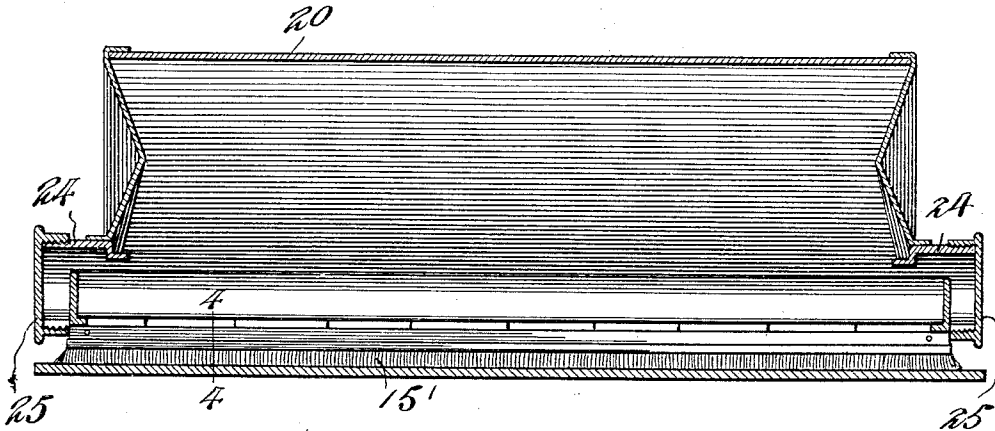


Fig. 4.

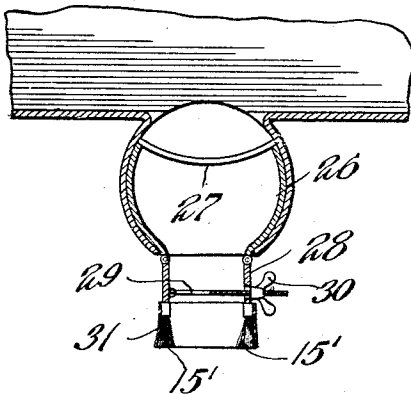


Fig. 6.

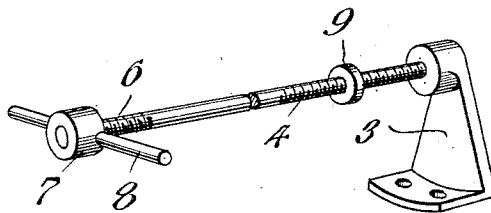
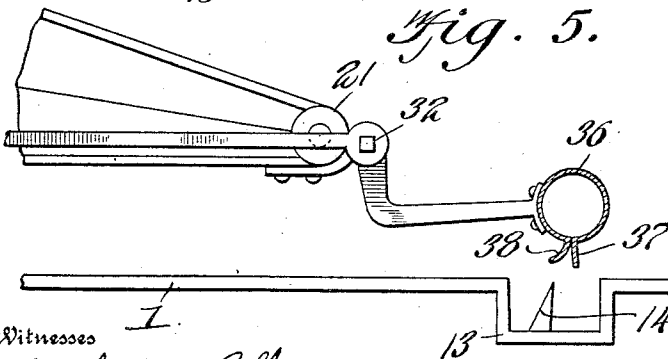


Fig. 5.



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WALL-PAPERING MACHINE.

933,689.

Specification of Letters Patent.

Patented Sept. 7, 1909.

Application filed November 20, 1908. Serial No. 463,659.

To all whom it may concern:

Be it known that I, JOHN W. BARCLAY, a citizen of the United States, residing at Mount Pleasant, in the county of Westmoreland and State of Pennsylvania, have invented new and useful Improvements in Wall-Papering Machines, of which the following is a specification.

This invention relates to wall papering machines, and the principal object of the invention is to provide a device of this character which may be readily and easily carried by the operator so as to paste the lengths of paper upon a wall or ceiling.

Another object of the invention is to provide a machine of this character wherein rolls of paper of various lengths may be positioned and automatically fed to the wall or ceiling as the device is manipulated by the operator.

Another object of the invention is to provide a device of this character, carrying a roll of paper, and being provided with means whereby the paste is fed to the paper as the same is carried along the body of the machine, the device being also provided with cutting elements whereby the paper may be severed when it has reached the proper length upon the wall or ceiling.

With the above, and other objects in view which will appear as the description progresses, the invention resides in the novel arrangement and construction of parts hereinafter fully described and claimed.

In the accompanying drawings, there has been illustrated a simple and preferred embodiment of my invention but it is to be understood that minor details of construction and proportion may be resorted to if desired.

In the drawings, Figure 1 is a side elevation of a machine constructed in accordance with the present invention. Fig. 2 is a top plan view of the same. Fig. 3 is a vertical transverse sectional view upon the line 3—3 of Fig. 1 and taken upon an enlarged scale. Fig. 4 is a detail sectional view upon the line 4—4 of Fig. 3. Fig. 5 is an enlarged detail elevation, showing the flexible die head in section and illustrating the cutting mechanism. Fig. 6 is a perspective view of the roll retaining spindle.

In the drawings the numeral 1 designates what may be termed the base member of the device. This base 1 is provided at one of its extremities with an arcuate or curved portion 2 having a bracket 3 upon which is

positioned a spindle 4 which is adapted for the reception of a roll of paper, designated by the numeral 5. The outer free end of the spindle 4 is provided with suitable threads 6 which are adapted for coöperation with a head 7. This head 7 is of a diameter sufficiently large to retain the roll of paper 5 upon the spindle 4 and is provided with suitable handles 8 whereby the same may be turned upon the threads to adjust the spindle to the various sizes of the rolls of paper adapted to be positioned thereon. The end of the spindle secured within the member 3 may be also threaded if desired, and these threads may be adapted for the reception of a threaded washer 9 whereby the paper may be forced toward the head 7 or may be positioned upon the center of the body 1.

The body 1 has its end adjacent the curved portion 2 provided with an outstanding extension 11, which may be termed the main handle of the machine, while the opposite edges of the approximately rectangular body are provided with suitable guides or overlying lip members 12 whereby the paper from the roll 5 is positively directed toward the opposite end of the body 1. The body 1 is provided with a depressed portion 13 within which is positioned a knife member 14 extending the entire width of the body and beyond this depression the body 1 is provided with a suitable brush 15. The brush 15 is constructed of suitable soft material whereby the same will bear easily yet firmly upon the paper which is to be laid upon the wall or ceiling, and the brush has a yielding connection with the body 1 through the medium of a spring hinge 16 so as to provide means whereby the brush may be bent away from the body when the paper is being pasted upon corners or circles of a room.

The upturned rear portion of the body 1 upon which is provided the handle 11 is also provided with an extending member 17 of a width slightly less than that of the body 1. This member 17 is effectively retained in spaced relation with the body 1 through the medium of a bracket 18 and is adapted to provide the base member of a flexible paste tank 19. The tank 19 is constructed in the form of a bellows and is provided with a top member 20 constructed of wood or metal, as is the portion 17 of the tank, while the intermediate section between the top 20 and the base 17 is constructed of some suitable flexible material, such as rubber or the like.

The members 17 and 20 are hingedly connected at what may be termed the apex of the bellows as indicated by the numeral 21, and the rear or elevated portion of the bellows is provided with a handle 22 alining with the handle 11 so that the two handles may be readily grasped by the operator when the paper is to be fed to the wall, as will be hereinafter fully explained. The top 20 of the bellows is provided with a threaded nipple through which the paste or adhesive substance may be inserted, and this nipple is provided with a suitable top or closure designated by the numeral 23.

15 The lower wall 17 of the bellows is provided with a transversely arranged cylindrical mouth provided with extending portions 24 having their ends suitably threaded and adapted for the reception of threaded 20 caps 25. As illustrated in Fig. 4 of the drawings this transversely arranged cylindrical portion is provided with an open mouth, and adapted to be positioned within this mouth is the brush carrying element 26. The member or element 26 is constructed preferably of a pair of arcuate longitudinally extending members suitably spaced apart through the medium of the spring elements 27 whereby the members of the element 26 are forced 30 tightly into contact with the cylindrical portion of the base 17. The arcuate walls of the member 26 are hingedly connected with substantially vertical or depending walls 28 which are retained in proper spaced relation 35 with each other through the medium of a threaded bolt 29. This bolt 29 is hingedly connected with one of the walls or members 28 and is adapted to extend through the opposite wall, which is provided with a suitable opening, and this extending portion is engaged by a suitable thumb nut 30. The brushes 15' are thus secured in proper spaced relation with each other so that the amount of paste fed through the opening provided 45 by the lower wall of the bellows is effectively regulated. In order to prevent the paste spreading over the base 1 the members 28, as well as the brushes 15' are provided with a suitable guard preferably comprising a 50 rubber shield as indicated by the numeral 31.

Pivottally connected with the bellows as at 32 is a lever 33 extending rearwardly and having its handle positioned in close proximity with the handles 11 and 22 of the machine. This lever 33 is adapted to work in a suitable guide way 34 and is normally retained in a downward or retarded position through the medium of a compression spring 35. The end of the lever opposite to its 55 handle is provided with a substantially cylindrical die head 36. This die head 36 is constructed of yieldable material and is provided

with downwardly projecting lips 37 and 38. These lips 37 and 38 have their lower portions spaced away from each other 65 as indicated in Fig. 5 of the drawings and the lips as well as the die head are adapted to extend the entire width of the body 1 and to overlie the knife member 14 positioned within the depression 13 thereof. 70

In operation a sufficient amount of paste is fed within the bellows tank 19 and, the paper being positioned upon the spindle 9 is brought forward until the same reaches the brushes 15. When this is done the 75 handles 22 and 11 are brought together so as to compress the air within the bellows and force the paste through the opening within the wall 17 and from thence through the spaced brushes 15. As the paper is brought 80 forward toward the end of the machine occupied by the brush 15 it will be noted that by grasping the handle 11 and forcing the said brush 15 against the paper the compression of the brush upon the paper will cause the 85 latter to adhere to the wall or ceiling. When a sufficient length of paper has been laid upon the wall or ceiling, the lever 33 is swung upon its pivot 32 so as to bring the fingers of the die head 36 into contact with the knife or 90 cutting die 14 thereby severing the paper.

Having thus fully described the invention what is claimed as new is:

1. A base plate, a handle for the plate, a knife upon the plate, a brush upon the plate, 95 a paste tank comprising a bellows above the plate, said tank being provided with an outlet having brush members whereby the paste may be fed to the plate upon the compression of the bellows, and a die head positioned 100 above the knife of the plate, substantially as and for the purpose set forth.

2. A base plate, a handle for the base plate, guides upon the edges of the base plate, a depression upon the base having a transversely extending knife, a flexible brush 105 upon the base plate, a paste tank comprising a bellows positioned above and in spaced relation with the base plate, said bellows having its under face provided with transversely 110 extending arcuate depending members, brush carrying members provided with expansive elements engaging the arcuate depressions, means for regulating the position of the brush members in relation to each other, a 115 flexible shield for the brushes, and a die head positioned above the cutting die for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN W. BARCLAY.

Witnesses:

J. W. HUNTER,
JAMES ELLIS.