

(No Model.)

3 Sheets—Sheet 1.

P. McQUENEY.
PAPER HANGING MACHINE.

No. 436,924.

Patented Sept. 23, 1890.

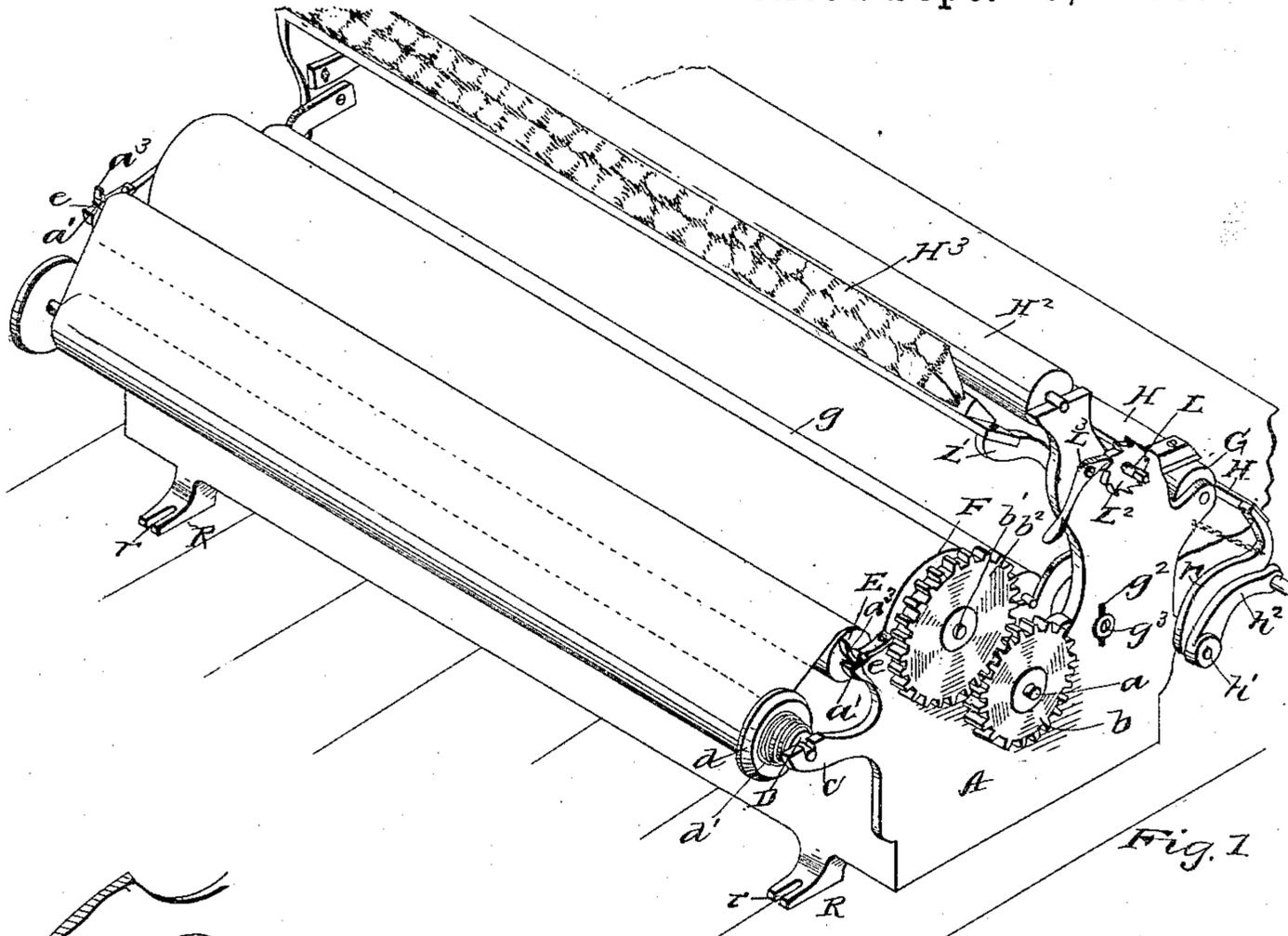


Fig. 1.

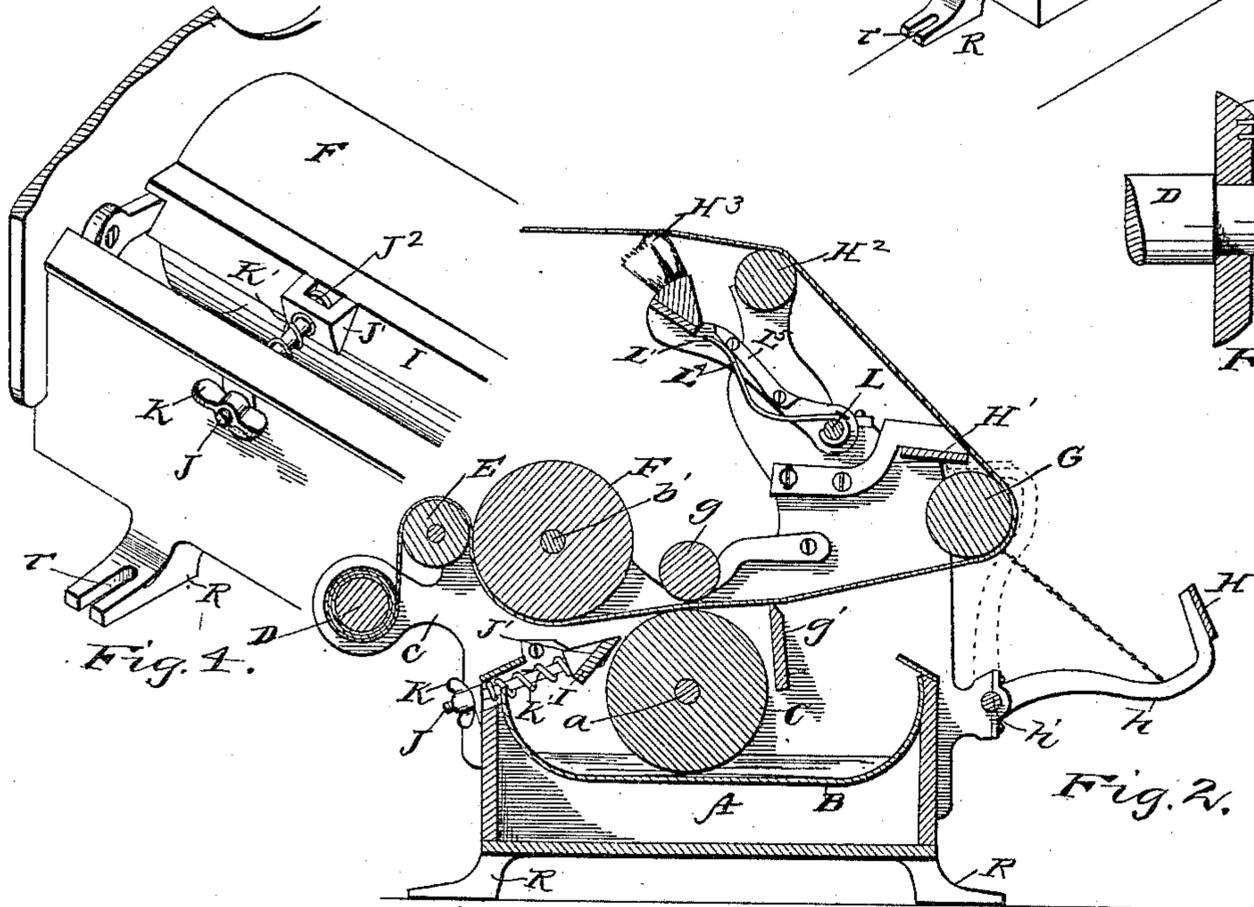


Fig. 2.

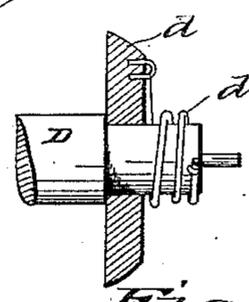


Fig. 3.

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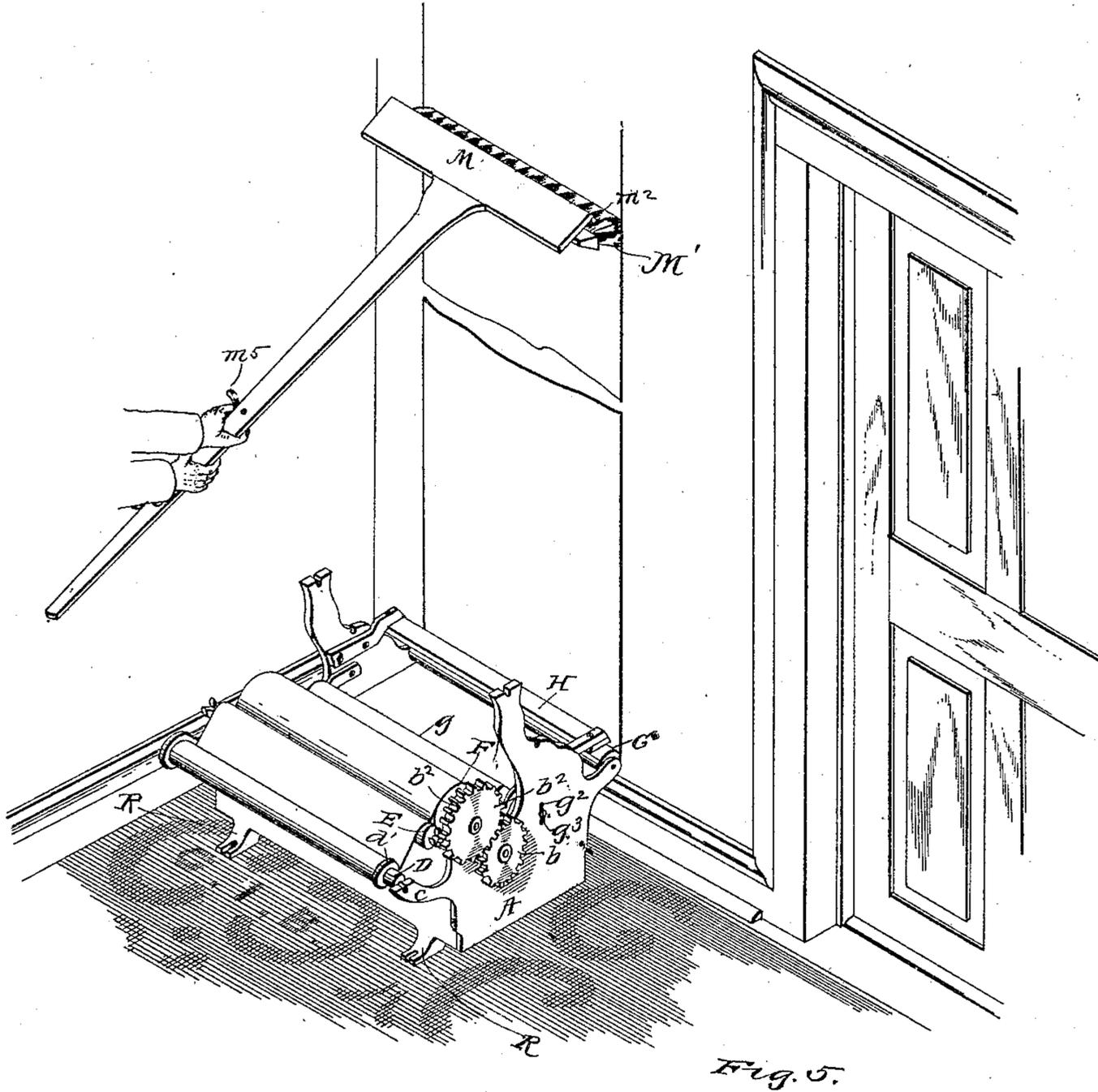
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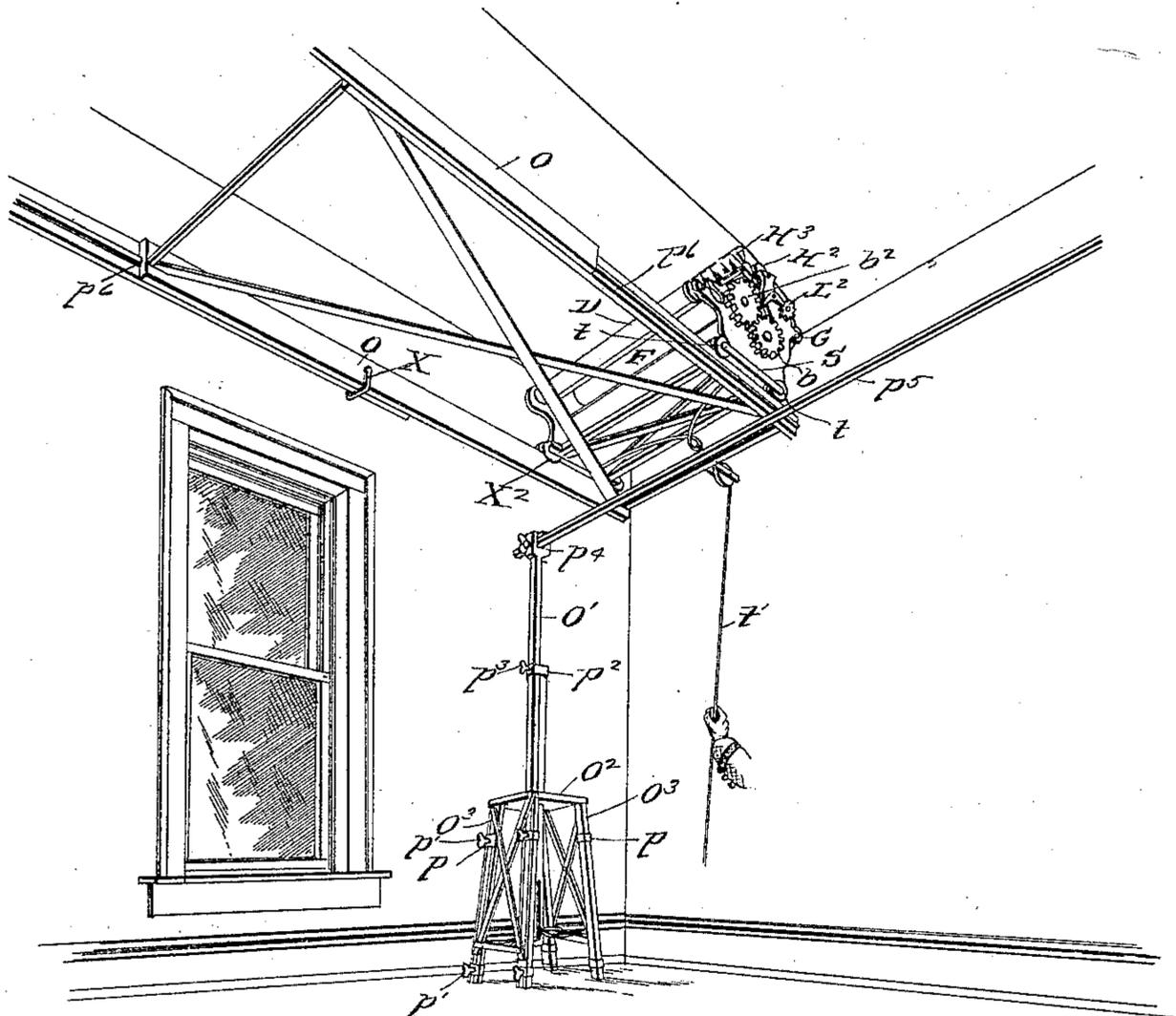


Fig. 6.

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PETER McQUENEY, OF EAST AKRON, OHIO.

PAPER-HANGING MACHINE.

SPECIFICATION forming part of Letters Patent No. 436,924, dated September 23, 1890.

Application filed March 21, 1890. Serial No. 344,751. (No model.)

To all whom it may concern:

Be it known that I, PETER McQUENEY, a citizen of the United States, residing at East Akron, in the county of Summit and State of Ohio, have invented certain new and useful Improvements in Paper-Hanging Machines; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is an isometrical view showing a roll of wall-paper placed in proper position to be properly pasted. Fig. 2 is a transverse section of Fig. 1. Fig. 3 is a view showing a portion of the wall-paper roller and a sectional view of the retaining-collar and spring located thereon. Fig. 4 is a view showing location of the paste-scraper and its tension. Fig. 5 is a view of the pasting-machine, showing wall-paper properly placed in the machine and attached to the carriage. Fig. 6 is an isometrical view showing the machine elevated into operative position on any suitable frame-work.

The present invention has relation to wall-paper pasters and hangers; and it consists in the different parts and combination of parts hereinafter described, and particularly pointed out in the claims.

Similar letters of reference indicate corresponding parts in all of the figures of the drawings.

In the accompanying drawings, A represents the frame or casing, which may be substantially of the form shown in the drawings. To the inner portion of this frame A is securely attached the paste-trough B, said trough being located substantially as shown in Fig. 2. The paste-roller C is journaled to the ends of the frame A, and is so located and adjusted that its bottom or under portion will be located within the paste-trough B, for the purpose of coming in contact with the paste located in the paste-trough B. To the one end of the paste-roller shaft a is securely attached the cog-wheel b , which is for the purpose hereinafter described. The frame A is

provided with the arms or extensions c , which are for the purpose of journaling the wall-paper roller D.

For the purpose of holding a roll of wall-paper in proper position and preventing said roll from slipping or moving endwise upon the roller D, the retaining-collar d is provided, which collar is held against the end of the wall-paper by means of the spring d' . The wall-paper is passed over the friction-roller E and under the propelling-roller F, thence over the paste-roller C, from where it extends under the delivery-roller G. The friction-roller E is journaled to the extensions e , and for the purpose of causing said friction-roller E to hug or press against the propelling-roller F the journals a' of said friction-roller E are placed on the arms a^3 . The arms a^3 are provided and are for the purpose of holding the journals a' . These arms are curved upward at their outer ends for the purpose of holding the journals a' . These arms a^3 are attached to the extensions e . The propelling-roller F is journaled to the ends of the frame A, and one end of its shaft b' is provided with the cog-wheel b^2 , which is for the purpose of communicating rotary motion to the paste-roller C by means of the cog-wheel b . The diameter of the cog-wheel b^2 is somewhat larger than the diameter of the cog-wheel b , said cog-wheels being so formed for the purpose of causing the periphery of the paste-roller C to travel faster than the periphery of the propelling-roller F.

The object and purpose of causing the periphery of the paste-roller C to travel or move faster than the periphery of the propelling-roller F is to provide a means for distributing and adhering paste to the wall-paper as the wall-paper is unwound from the roller D.

For the purpose of causing the wall-paper to hug the paste-roller C the roller g is provided, which is located and adjusted so as to press or bear upon the wall-paper directly above the paste-roller C. For the purpose of removing any surplus paste which may accumulate upon the wall-paper as it passes over the paste-roller C the scraper g' is provided, and for the purpose of adjusting said scraper

g' it is attached at its ends to the ends of the frame A, through the slots g^2 , by means of the set-screws g^3 .

For the purpose of cutting the wall-paper when the desired length has been properly 5 pasted the knife H is provided, which knife is attached to the free ends of the arms h , which arms are attached to the shaft h' , said shaft being journaled to the ends of the frame 10 A. The knife H is operated by means of the handle h^2 , which is rigidly attached to the shaft h' . When it is desired to cut the wall-paper, the handle h^2 is elevated, thereby elevating the knife H, which acts against the 15 cutter-bar H' .

For the purpose of removing all surplus paste from the paste-roller C the scraper I is provided, which is held in the desired position by means of the bolts J, the inner ends of 20 which are attached to the extensions J' . These extensions J' are open at their top or upper ends, for the purpose of receiving and holding the heads J^2 , which heads are for the purpose of holding the scraper I at the desired 25 point of adjustment by means of the thumb-screws K and the springs K' . When it is desired to change the adjustment of the scraper I, the thumb-screws K are turned upon the threaded portions of the bolts J.

When it is desired to attach or paste paper to the ceiling of a room, the paper is brought up over the roller H^2 and the brush H^3 , as illustrated in Fig. 2. The brush H^3 is pivotally attached to the shaft L by means of the 35 arms L' . To one end of the shaft L is securely attached the ratchet L^2 , said ratchet being for the purpose of holding the brush at the desired point of elevation by means of the dog L^3 and the springs L^4 , said springs L^4 40 being securely attached to the shaft L. To the inner sides of the arms L' are attached the flanges L^5 , which flanges rest upon the springs L^4 .

It will be understood that the brush H^3 45 should be elevated to such a point that it will press or bear against the ceiling, thereby pressing the paper to the ceiling. It will also be understood that the pasting-machine proper is to be elevated, so as to bring the machine 50 in proper position with reference to the ceiling.

When it is desired to attach paper to the walls of a room, the paper is drawn from the pasting-machine proper by means of any suitable brush having a clamping device.

If desired, the periphery of the paste-roller 55 C may be provided with a fluted surface, or, if desired, said paste-roller may be covered with felt, rubber, or other like material.

In Fig. 6 of the drawings I show the device mounted upon a suitable frame-work and in 60 operative position for papering the ceiling of a room; but I wish it understood that I do not herein claim such frame-work, as such is the subject-matter of a separate application filed by me July 5, 1890, and numbered in 65 Serial 357,836.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the frame A, having 70 located therein the paste-trough B, the paste-roller C, journaled to the frame A, the propelling-roller F, the cog-wheels b and b^2 , the friction-roller E, and the wall-paper roller D, substantially as and for the purpose specified. 75

2. The combination of the paste-roller C, the propelling-roller F, the friction-roller E, and the wall-paper roller D, having located thereon the retaining-collar d and the spring 80 d' , substantially as and for the purpose specified.

3. The combination of the frame A, having located therein the paste-trough B, the paste-roller C, the scraper I, provided with the ex- 85 tensions J' , the bolts J, provided with the heads J^2 , the thumb-screws K, and the springs K' , substantially as and for the purpose specified.

4. The combination of the knife H, attached to the arms h , the shaft h' , the handle h^2 , and 90 the cutter-bar H' , substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

PETER McQUENEY.

Witnesses:

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E. A. C. SMITH.