(Model.)

R. H. MINER.

PAPER HANGING MACHINE.

No. 254,494. Patented Mar. 7, 1882.

Fig. 1.

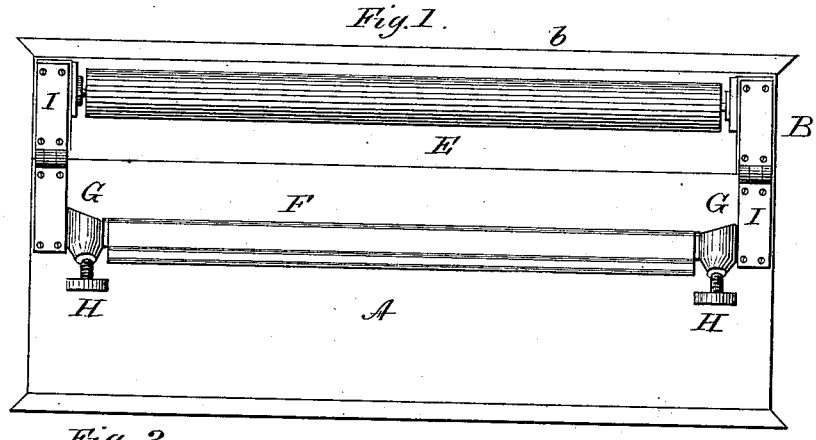


Fig. 2.

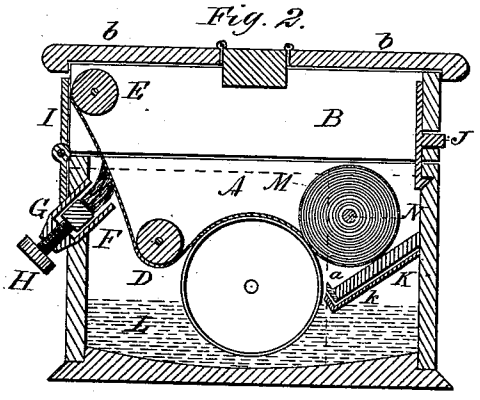


Fig. 3.

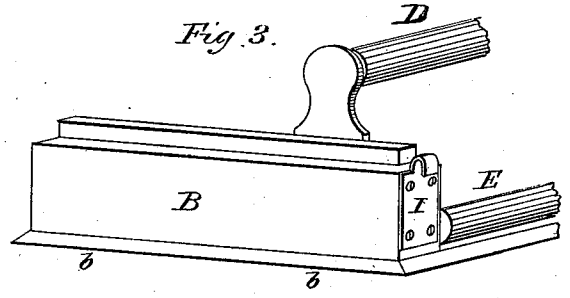
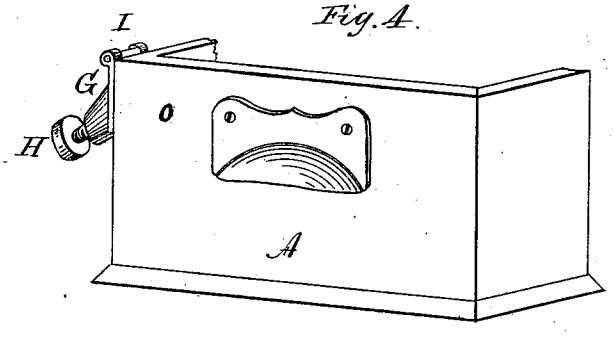


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

RUSSELL H. MINER, OF ELK CITY, PENNSYLVANIA.

PAPER-HANGING MACHINE.

SPECIFICATION forming part of Letters Patent No. 254,494, dated March 7, 1882.

Application filed June 2, 1881. (Model.)

To all whom it may concern:

Be it known that I, RUSSELL H. MINER, a citizen of the United States, residing at Elk City, in the county of Clarion and State of Pennsylvania, have invented certain Improvements in Paper-Hanging Machines, of which the following is a specification.

This invention relates to certain improvements in machines for pasting and hanging wall-paper, being additional improvements on my patents granted March 3, 1874, and October 5, 1875, numbered 148,129 and 168,339, respectively; and it consists in the combination, in machine, of an adjustable brush resting in slides or grooves attached to or in the inner ends of the case, and made adjustable by means of thumb-screws, constructed and arranged in the form and manner herein described, and shown in the annexed drawings, whereby the brush can be readily and accurately adjusted.

The object of this invention is to provide means for facilitating the operation of pasting and hanging wall-paper, the removal of surplus paste therefrom, and for regulating the quantity and equal distribution of the same thereon by brushing off more or less, as circumstances may require.

In the accompanying drawings, Figure 1 is an elevation of the rear side of machine. Fig. 2 is a cross-section. Fig. 3 is a section view of the cover inverted and detached from the box or case. Fig. 4 is a section view of the box or case with the cover removed.

A represents the box or case, and B is the detachable hinged cover, which are made of wood or other suitable material, sufficiently long to receive a roll of paper, and of a depth and breadth sufficient to contain the desired quantity of paste and all the working parts.

C is the paste-roller, which is provided with slotted bearings fixed to the inner ends of the case. D is the pressure-roller, and E the parallel-roller.

To provide means hereinbefore mentioned I place a brush, F, in length equal to or greater than the width of the paper, with its ends resting in slides or grooves attached to or in the ends of the case, which is provided with thumb-screws H H, by which the brush F is readily and accurately adjusted, as before stated, and made to bear more or less against the pasted side of the paper *m*, thereby equally distributing and regulating the quantity of paste thereon by brushing off more or less of the paste, as quality of paper, consistency of paste, and condition of walls require.

The cover B is attached to the box A by the detachable hinges I I, as seen in Figs. 3 and 4, and the spring-catch J, Fig. 2, and supplied with a handle on the top to carry the machine by, and two lids, *b b*, which can be raised to conveniently see the operations of the machine when used.

K is the inclined table, supported at each end by the rests *k k*.

L represents the paste in the bottom of the box, M the roll of paper, and *m* line of paper unrolled and being drawn out.

N is a loose rod in the center of the roll of paper.

In the inside ends of the case are placed fixed heads *a*, (shown in broken lines in Fig. 2,) which serve as guides to direct the paper to the rollers. These heads do not differ materially from those shown and described in my Patent No. 168,339, granted October 5, 1875. A handle, O, as seen in Fig. 4, is fixed to the outer ends of the case.

All the working parts are so constructed and arranged that they can be readily removed from the case to facilitate the cleaning out of the paste.

The manner of operating is as follows: The cover being raised, a roll of paper, having been previously trimmed and the loose rod inserted, is placed on the inclined table. The end is then passed over the paste roller and brush and out at the opening in the back of the machine. The cover is then shut down, by means of which the paper is held down upon the paste-roller by the pressing-roller, a quantity of paste having previously been poured into the case. The machine is now taken by the handles and placed on the floor near the wall. The paper is grasped by the hands and drawn up to the ceiling, then brushed to the wall in the usual manner.

By this invention the tedious operation of measuring the wall, unrolling and measuring the paper, and cutting the same into lengths, spreading the paste, folding and unfolding, and time occupied in going to and from paste-board and wall are obviated, as all is performed by this

machine at one and the same time the operator is raising the paper to place on the wall. The necessity of a paste-board of the proper width and length, together with trestles and a paste-brush, is dispensed with, and the result is a very great saving in time, the work more perfectly done, with less labor, and with more cleanliness and convenience.

I am aware of Patents Nos. 133,909 and 179,768, and I do not claim any of the arrangements there shown.

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

1. The slide-rests G G and adjusting thumb-screws H H, in combination with the brush F, constructed and arranged substantially as shown and described, and for the purpose set forth.

2. A paper-hanging machine composed of the case A, cover B, paste-roller C, pressure-roller D, parallel roller E, and inclined table K, in combination with the adjustable brush F, substantially as described.

RUSSELL H. MINER.

Witnesses:
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