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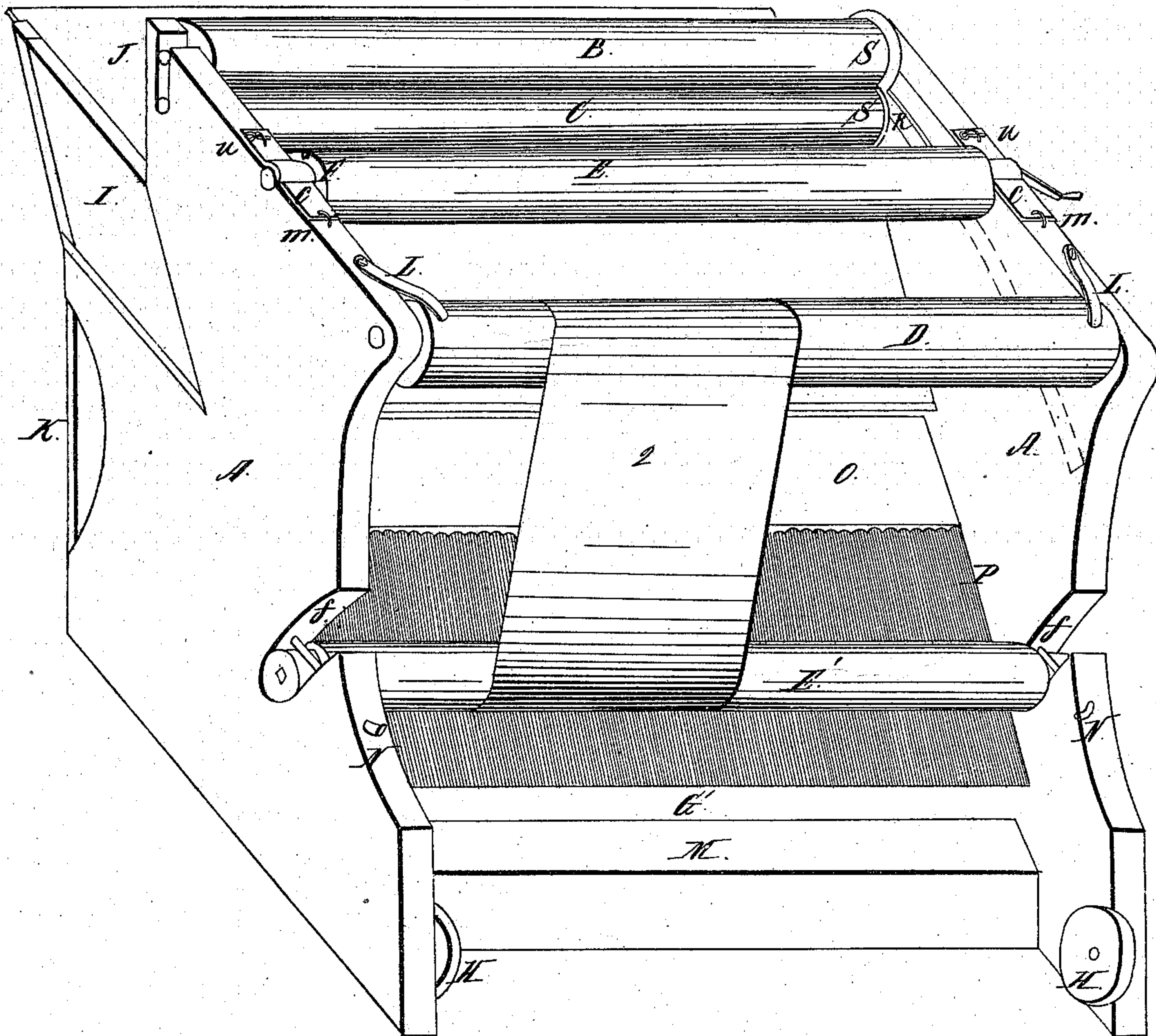
L. Cline.

Paper-Hanging Mach.

Nº 90,081.

Patented May 18, 1869.

Fig 1.



Witnesses:
J. S. Chapin
E. E. Gibson

Inventor:
Leon Cline

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Fig. 2.

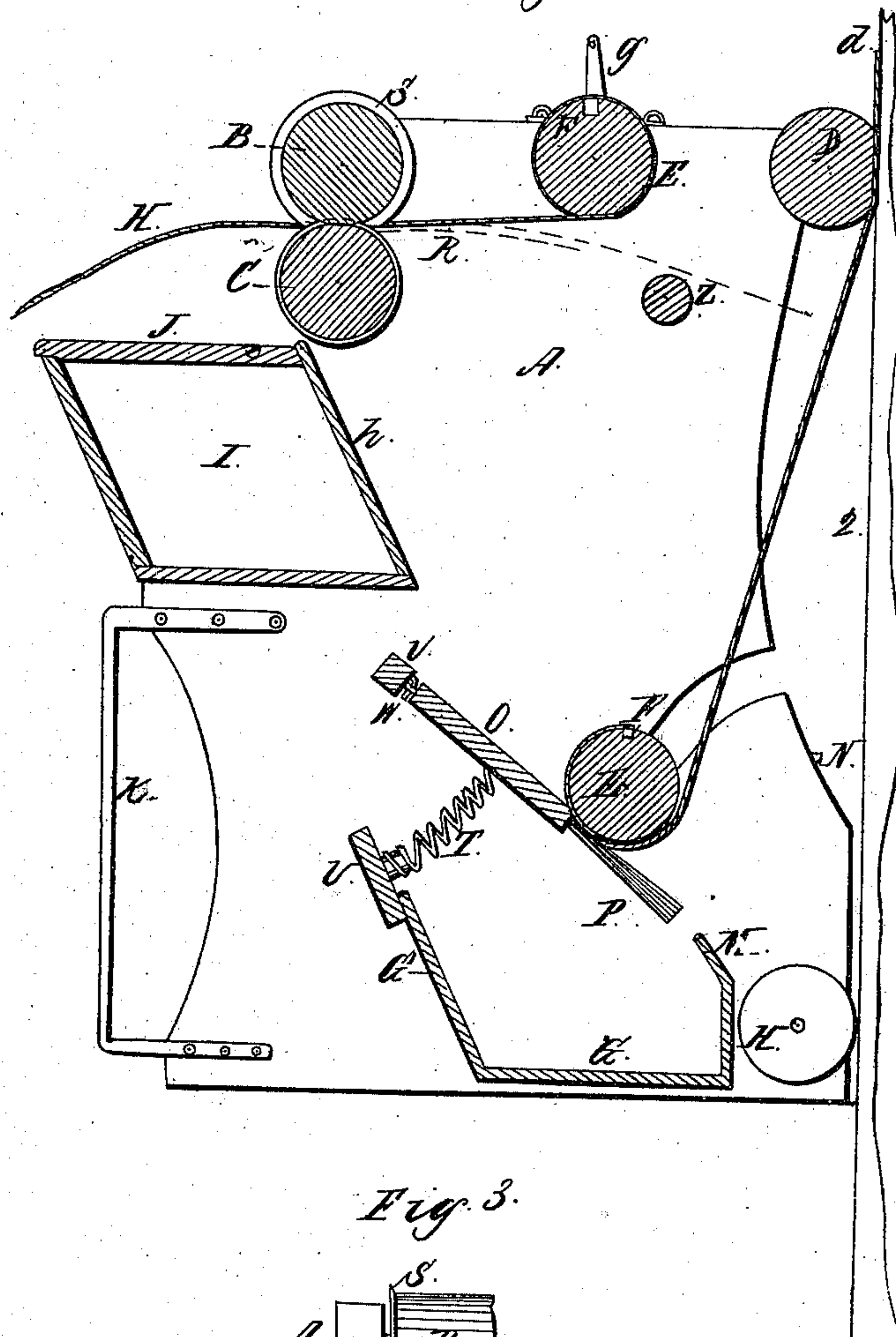
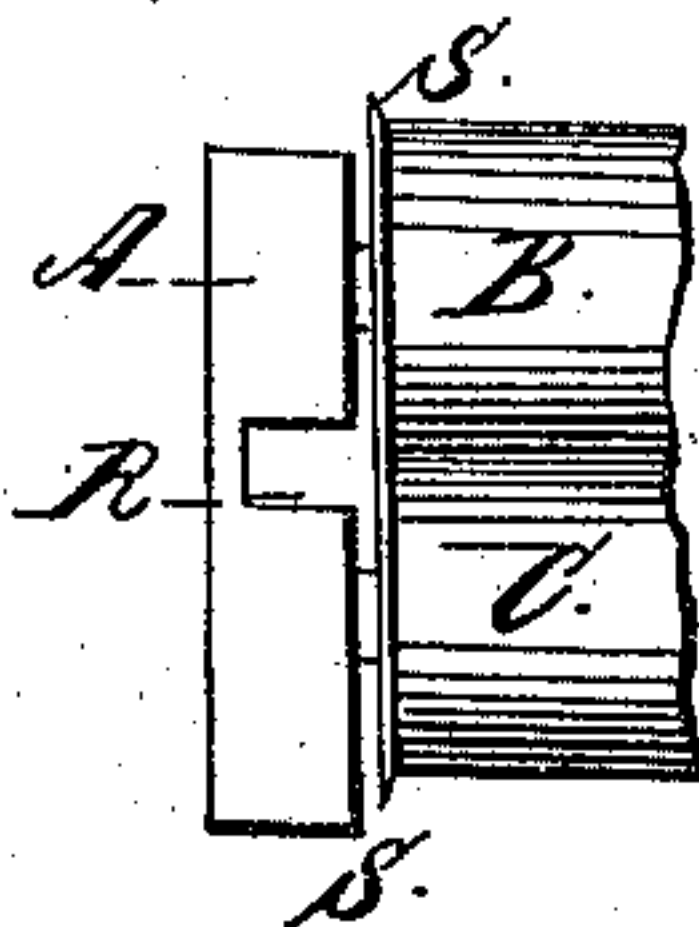


Fig. 3.



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United States Patent Office.

LEON CLINE, OF CHICAGO, ILLINOIS.

Letters Patent No. 90,081, dated May 18, 1869.

MACHINE FOR HANGING WALL-PAPER.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, LEON CLINE, of Chicago, in the county of Cook, and State of Illinois, have invented an Improved Machine for Hanging Wall-Paper; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, and letters marked thereon, making a part of this description, in which—

Figure 1 is a perspective representation of my invention.

Figure 2, a transverse central sectional elevation of the same.

Figure 3, a broken elevation of those ends of the rollers to which the knives are fastened.

It also shows the groove in the end piece through which the margin of the paper to be cut is drawn.

The present invention relates to a hand-machine which is to cut the margin from wall-paper, wind the paper on a roller, paste it, and lay it on the wall.

A A, fig. 1, drawing 1, and fig. 2, drawing 2, represent the end pieces which are securely fastened to a trough, G' G' M, a trough, I, and tie-rod, Z, and support, at or near their tops, rubber rollers D, for laying the paper on the wall, a roller, E, for winding the paper preparatory to pasting it, and rubber rollers, B C, for guiding the paper when its margin is being cut off by the circular knives S S fastened to their ends, springs being fastened to the end pieces A, and bearing on the ends of the roller D, prevent it from turning by the weight of the paper.

The trough I is of the same length as the rollers, and has a slide, h, fig. 2, by means of which the flow of paste on to the brush O P is regulated, and a sliding lid, J, which is drawn out when the trough is to be supplied with paste.

The trough G' G' M is used to catch what paste may fall from the brush.

This brush is of the same length as the roller, and has a broad head, O, which hooks on to a cross bar, V, fig. 2, secured to the end pieces A, and it is held against the lower roller E by means of one or more coil-springs T, bearing against the under side of the head, the other ends passing around pins put through the back support U of the lower trough. By this con-

struction and arrangement of the brush, it can be readily unhooked and removed, for the purpose of cleaning off the paste when the machine is to be put aside.

At fig. 3 it will be seen that the knives S S run closely against the end piece A, and to provide room for the margin of the paper that is to be cut off, a groove, R, figs. 1 and 2, is so formed in the inside of the end pieces, as to provide a guide for the margin, and carry it below the rollers and out of the way of the upper roller E.

Operation.

The paper is to be placed between the rollers B C, carried to the roller E, and fastened in the groove F by a small strip of wood, in the manner of fastening window-curtains; the crank of the roller is then to be turned in the direction of the dart r, until the paper is all wound up. The margin being cut off at the same time by the knives S S, is carried downward in the direction of the line 3, fig. 1 and 2.

After this the roller E is removed by taking out the keys n n, fig. 1, and lifting up the caps c c, which turn on staples m m, and then placed in slots f f, and then secured by pins N.

The paper is now in position to paste and put on the wall.

The paste is put in the trough I, and the slide h so raised as to allow a sufficient quantity of it to flow down the brush O P.

The end of the paper is then drawn up and placed on the wall as shown at d, fig. 2, and the machine run down the wall, so far as the paper is to be laid.

During this operation the rubber roller D and friction-rollers H are to be pressed gently against the wall by means of the handles K.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent of the United States, is—

The combination of the troughs I J H, and U G' G' M, rollers B C D, transfer-roller E, brush O P, friction-rollers H, and springs L, as described.

LEON CLINE.

Witnesses:

G. L. CHAPIN,
E. E. GIBSON.