

J. M. WELCH.

Pasting-Machines for Wall-Paper.

No. 133,909.

Patented Dec. 10, 1872.

Fig. 2.

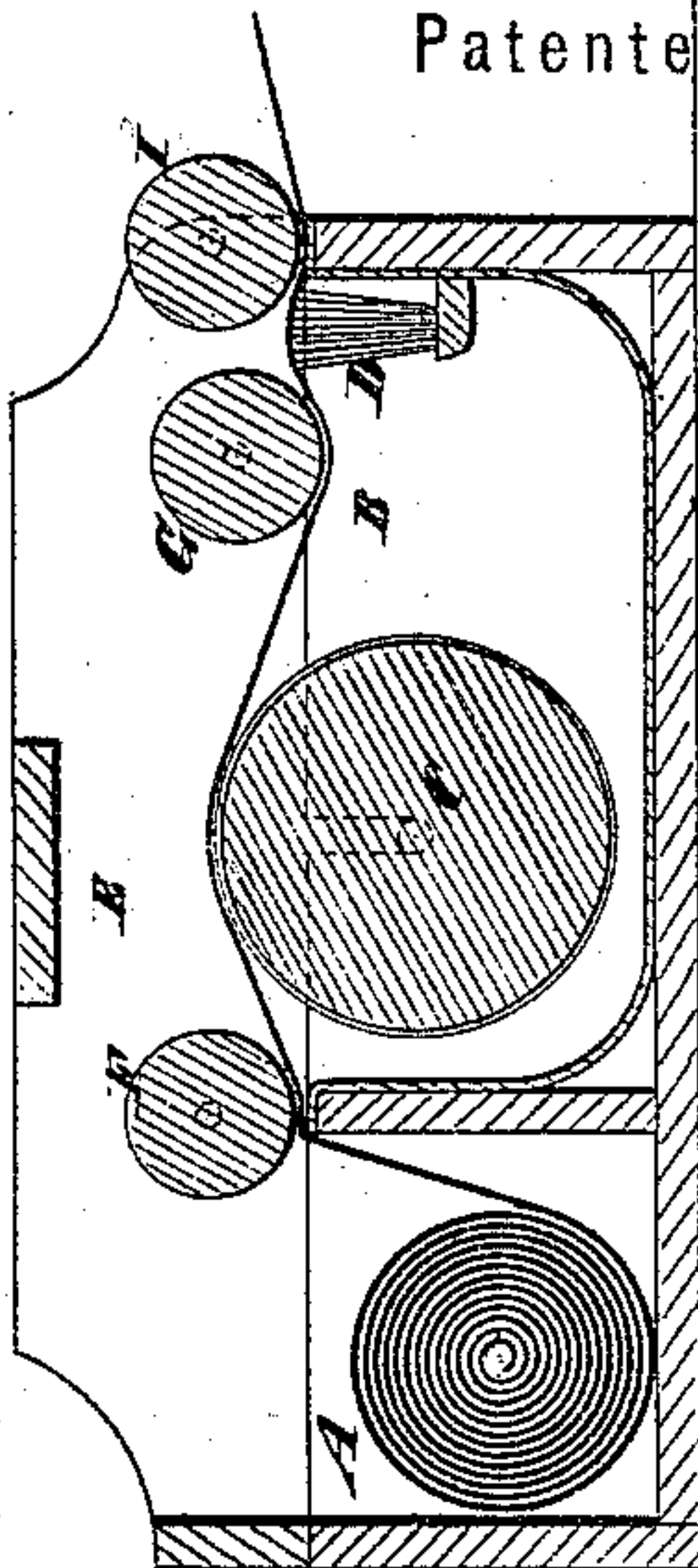
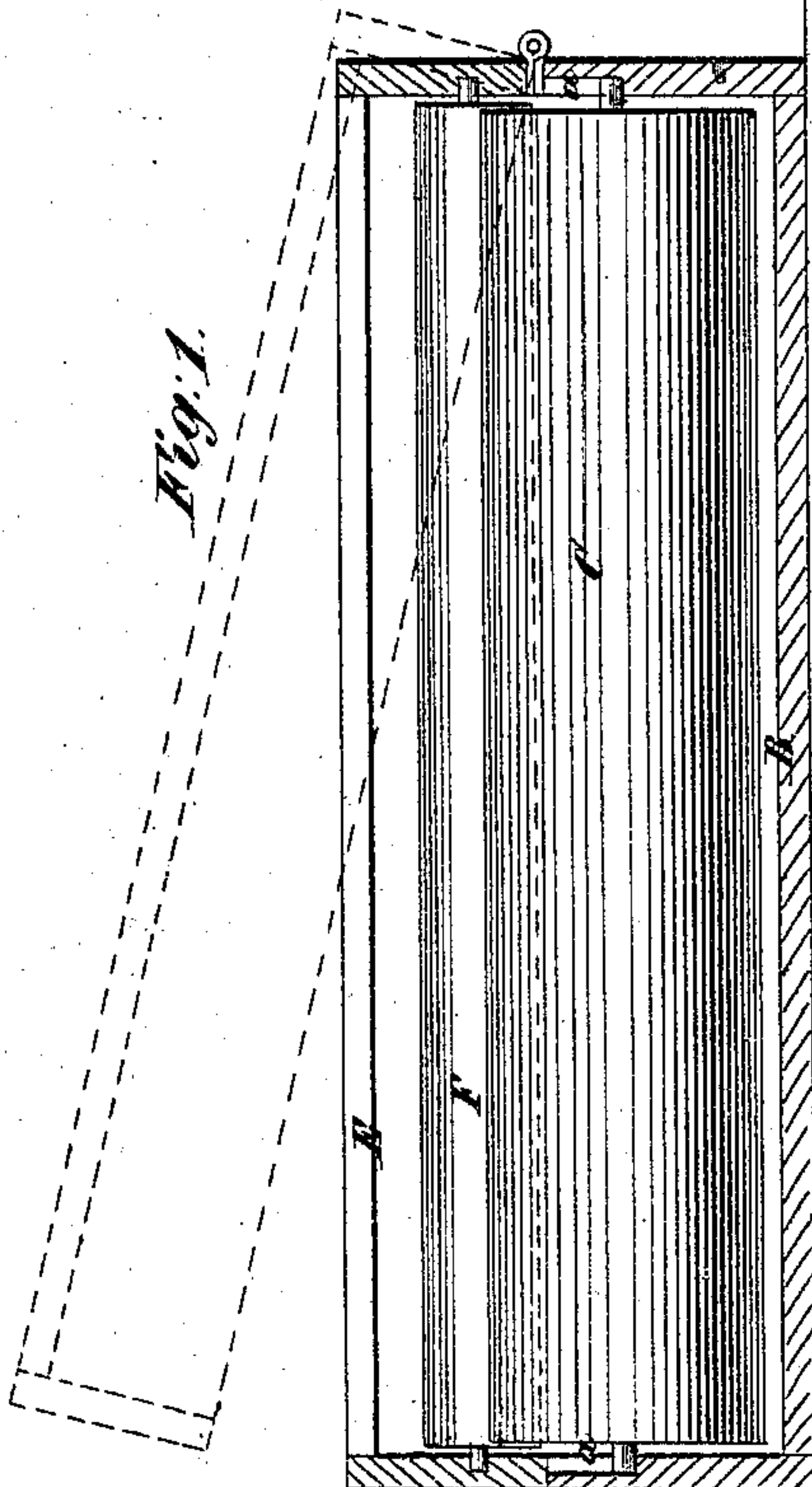


Fig. 1.



Witnesses:

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# UNITED STATES PATENT OFFICE.

JAMES M. WELCH, OF NEW ATHENS, OHIO.

## IMPROVEMENT IN PASTING-MACHINES FOR WALL-PAPER. \*

Specification forming part of Letters Patent No. 133,909, dated December 10, 1872.

*To all whom it may concern:*

Be it known that I, JAMES M. WELCH, of New Athens, in the county of Harrison and State of Ohio, have invented a Machine for Pasting Wall-Paper, of which the following is a specification:

This invention consists in a box divided off into compartments, forming a receptacle for the roll of paper to be pasted and one for the paste which is applied to it, the latter receptacle having provided in, or in suitable relation to it, a brush or scraper by which the paste is evenly spread over the paper and all lumps removed from it. It also consists in the combination, with such box, of a frame provided with rollers for pressing the paper, in its passage from the box, against a distributing-roller in the paste-receptacle and against the brush or scraper, such frame being movable in such manner as to allow it to be thrown out of the way to afford convenience for putting in the paper or for replenishing the paste.

In the accompanying drawing, Figure 1 is a longitudinal section of the machine, showing the hinged cover in two positions, one in bold and the other in dotted outline; and Fig. 2, a transverse section of the same.

Similar letters of reference indicate corresponding parts in both figures.

A B is the box or body of the machine, made of a length slightly greater than the width of the paper or other material to be pasted. It is divided into two compartments, A and B, the one, A, forming a receptacle for a roll of wall-paper or other material to be pasted, and the other, B, forming a receptacle for the paste to be applied to the paper. In this compartment there is arranged a large roller, C, having its periphery covered with cloth or otherwise roughened to cause the paste to adhere to it. The journals of this roller are supported in vertical grooves *a a* in the ends of the box, extending to its upper edge, and so providing for the removal of the roller by simply lifting

it out. At the side of this compartment furthest from the paper-receptacle A there is a brush, D, which extends the whole length of said compartment, and whose face projects slightly above the top of the box. E is a frame which is hinged at one end to the box A B and fits over its top. This frame carries three rollers which extend parallel with the roller C. One of these rollers, F, extends above the partition between the compartments A and B, and is in close proximity to it, and the other two, G and I, are arranged above the brush one on each side of its face, the under side of the former being a little below the face of the brush so as when the paper is in place to press it onto the brush. The compartment B having been supplied with paste, and the frame E being raised up, the paper to be pasted is taken in the roll, which is its marketable form, and simply laid in the compartment or receptacle A in the box or body of the machine, and its end passed over the paste-roller C and left projecting from the box. The frame E is then shut down and its rollers press the paper against the paste-roller and the brush. By taking hold of its projecting end and pulling it, the paper is then unrolled and drawn from the box over the roller C, which is thereby caused to rotate within the paste and take it up and distribute it on the paper, which, passing thence over the brush or scraper D, has the paste evenly distributed upon it and all the lumps removed from its surface.

### *Claim.*

The arrangement of the paper-receptacle A, the paste-receptacle B, paste-roller C, pressure-roller F G I, and brush D, substantially as shown and described, for the purpose set forth.

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Witnesses:

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