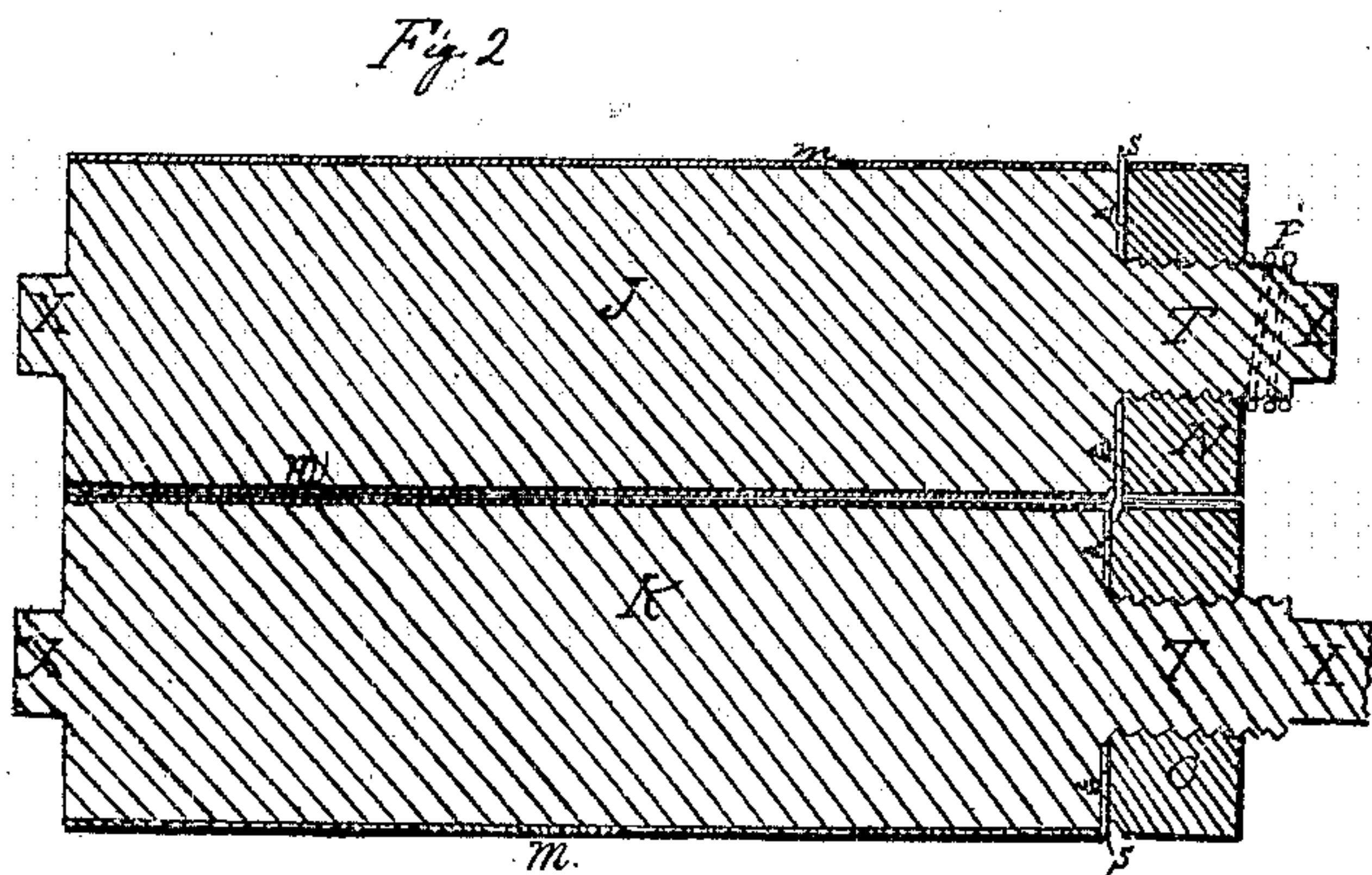
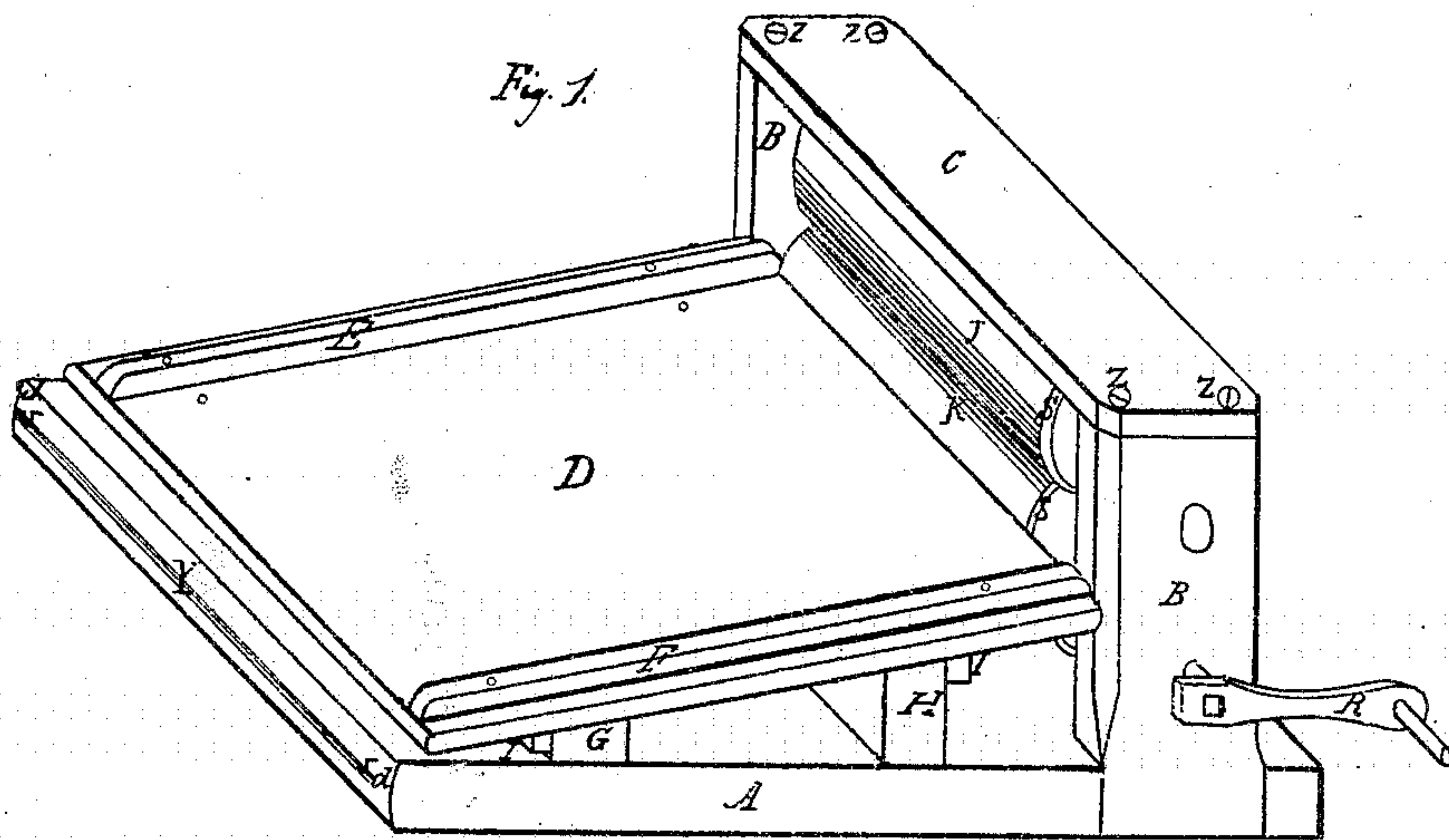


No. 78,707.

Patented June 9, 1868.



Witnesses.

Heavy Situation

Anna Gordon

INVENTOR.

Wm. H. Loomis

By his attorney  
G. F. Chapin.

G. L. Chapin



# United States Patent Office.

WILLIAM P. YEOMAN, OF WAUKEGAN, ILLINOIS.

Letters Patent No. 78,707, dated June 9, 1868.

## IMPROVED MACHINE FOR EDGING 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, WILLIAM P. YEOMAN, of Waukegan, in the county of Lake, in the State of Illinois, have invented a useful Improvement in Machines for Edging Wall-Paper; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a perspective representation of my invention.

Figure 2 a sectional representation of the rollers, and the knife-attachments.

The nature of my invention consists in the use of rollers covered with cloth or other similar material, and arranged with circular concave knives, and a spring for keeping them in position for trimming the edges of wall-paper, and for other similar purposes, and in an adjustable table for supporting and guiding the paper through between the rollers, whereby any width of margin may be trimmed off. The means now used for this purpose are the common shears, which involve a great amount of difficult labor, which, when done, does not result in leaving the edge of the paper as true as when cut by a machine.

I propose to obviate the difficulties heretofore experienced in cutting paper, by constructing a machine which shall be cheap, compact, and durable, and so simple that paper-hangers can use it without any particular instruction, and perform a given amount of labor in one-eighth of the time now consumed.

In order to give a correct understanding of my invention, I have marked corresponding parts with similar letters, and will now give a detailed description.

A represents a substantial wooden bed-piece, to which a track G H, and standards B B, are rigidly attached. These standards are held together at their tops by means of a cross-piece, C, secured to them by screws or bolts Z Z, fig. 1, and have holes made horizontally through them for supporting the journals X X of the rollers J K. Fig. 1 represents the rollers, with the cloth or covering removed in order to show the knives S S more clearly, but fig. 2 shows the cloth, and the construction of the rollers, which are made of hard wood, and in two parts each, the shanks T T being turned down to suit the eyes of the knives S S, and to receive rings N O, used to fill out the length of the rollers, after said knives are properly secured, in order that the margin cut from the paper may be drawn through with the main sheet. m m, fig. 2, represent cloth which is used to cover the rollers, and thus provides a convenient elastic surface for moving the paper between the knives without tearing it. Any other elastic material may, however, be used which will adhere to the rollers, but I consider cloth the cheapest, and fully answering the purpose. The knives S S should be made of good steel, and concaved on their opposing faces, in order that their edges may work closely together at the point where they overlap each other. The shape of the knives is clearly shown at fig. 2, as is also the screws v which hold them to the ends of rollers J K. P represents a common coil-spring wound around the shank of the upper roller, and is made to bear against the ring N, and thus keep the face of the upper knife against the lower one, this being an important arrangement for keeping the knives in position for cutting thin paper. A table, D, having cleats I I for holding it on the track G H, is arranged to slide back and forth parallel with the roller J K, and regulate the width of the strip to be cut off, and also has a stationary guide, F, and a movable guide, E, the latter being arranged with pins so as to be set to any width of paper.

### Operation.

The wall-paper should be hung in the roll, on a rod, Y, resting in hooks d, after which the end of the paper can be put between the rollers J K, and the crank R, attached to the journal of the lower roller, turned slowly around until the margin is cut off, or the paper has all passed through the machine.

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

1. The combination of rollers J K, spring P, knives S S, cloth m m, and rings N O, substantially as and for the purpose set forth.
2. The combination of the table D with rollers J K, substantially as herein specified.

W. P. YEOMAN.

Witnesses:

HERVEY STRATTON,  
EDWARD YEOMAN.