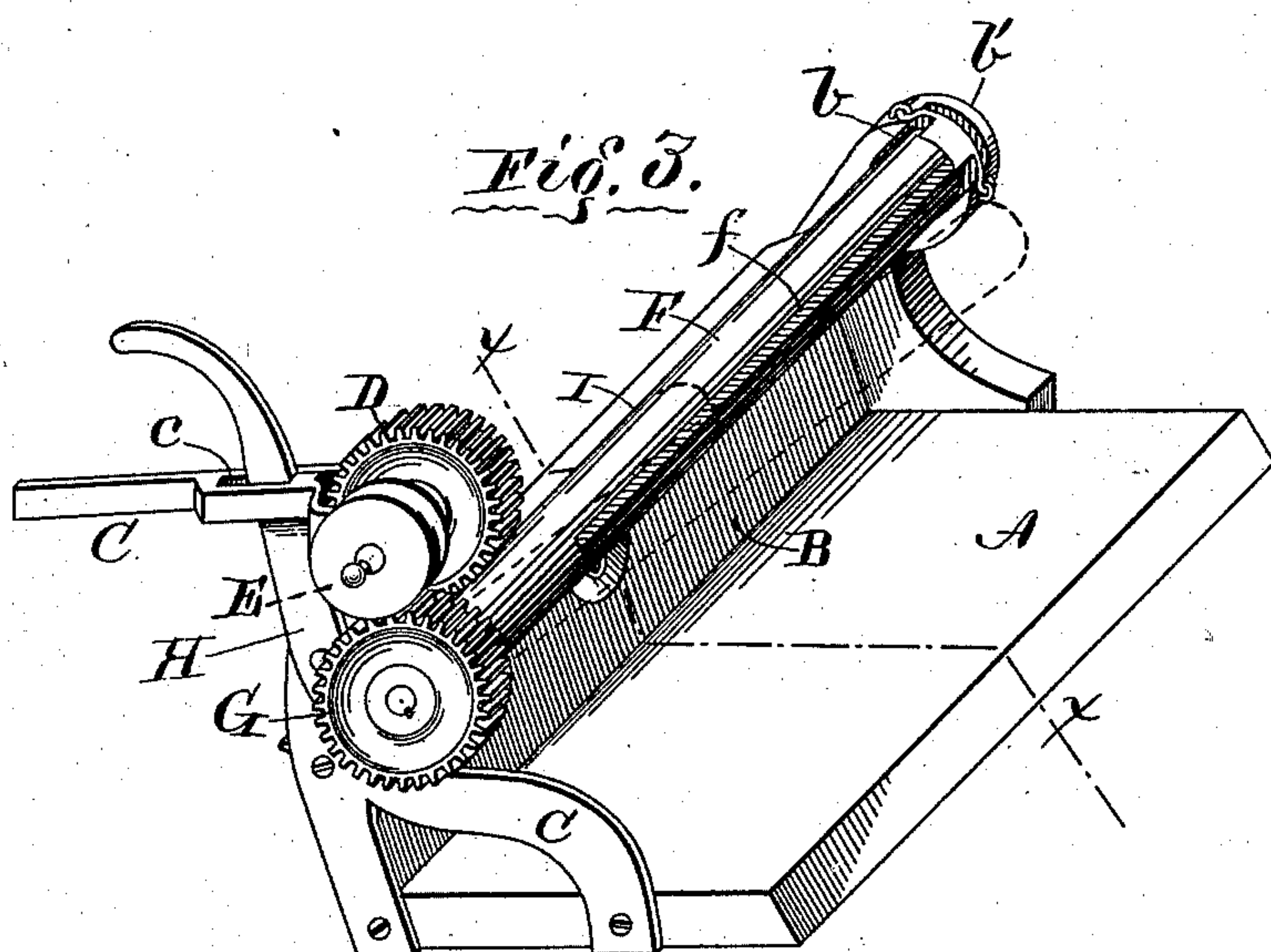
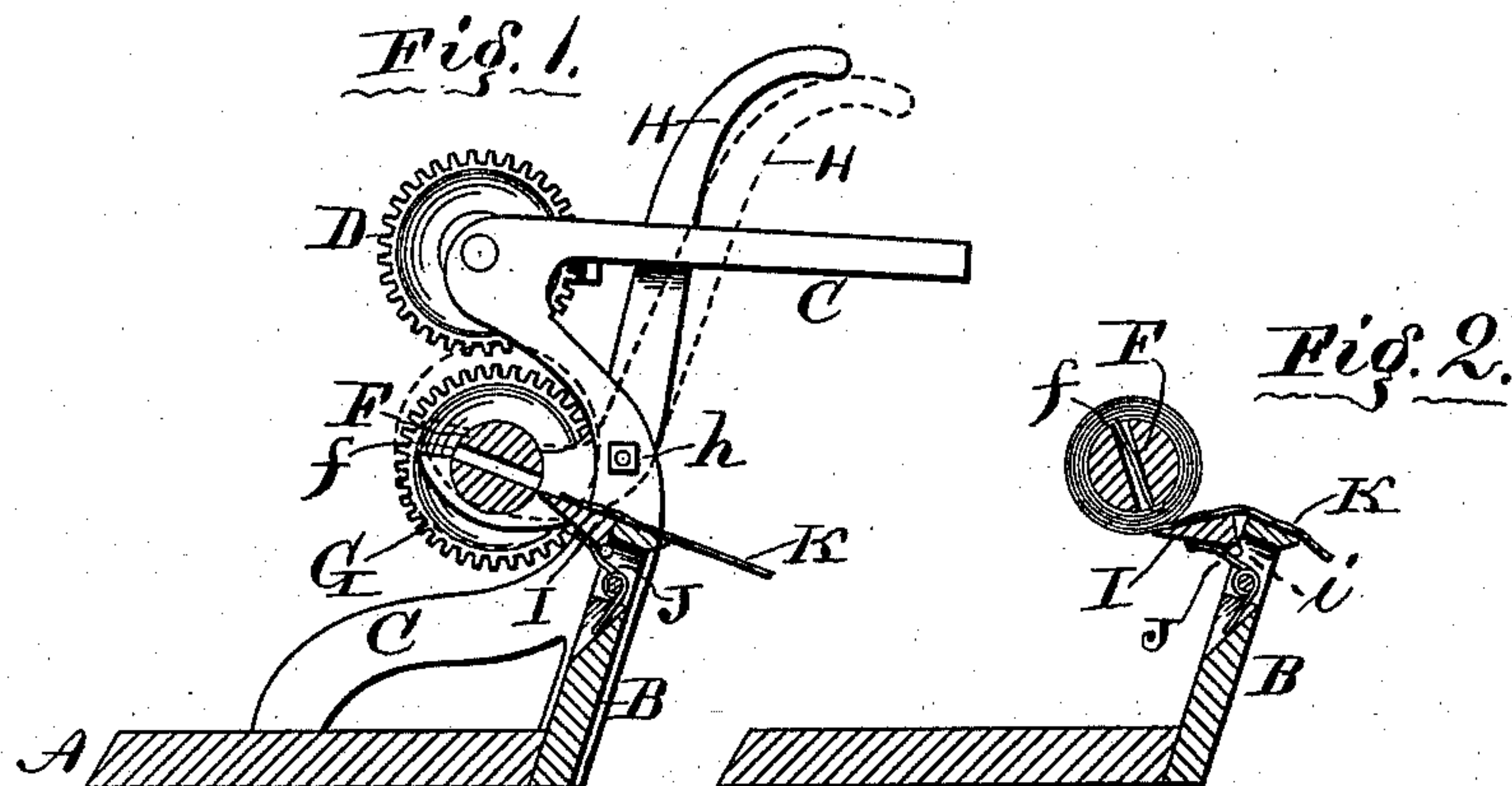


R. S. HILL.
Wall-Paper Trimmer.

No. 209,394.

Patented Oct. 29, 1878.



Witnesses:
M. H. Barringer,
O. R. Richards,

Inventor:
Russell S. Hill,
By W. D. Richards,
Atty.

UNITED STATES PATENT OFFICE.

RUSSELL S. HILL, OF MAQUON, ILLINOIS, ASSIGNOR OF ONE-HALF HIS
RIGHT TO JEHU P. RANDALL, OF SAME PLACE.

IMPROVEMENT IN WALL-PAPER TRIMMERS.

Specification forming part of Letters Patent No. **209,394**, dated October 29, 1878; application filed
August 10, 1878.

To all whom it may concern:

Be it known that I, RUSSELL S. HILL, of Maquon, in the county of Knox and State of Illinois, have invented certain new and useful Improvements in Wall-Paper Trimmers; 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 which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification, in which—

Figure 1 is a sectional view in the line *x* in Fig. 3. Fig. 2 is a sectional view in the same plane as Fig. 1, but showing the parts in somewhat different positions. Fig. 3 is a perspective view of a construction embodying my invention.

This invention relates to attachments to paper-trimming machines for the purpose of forming rolls of the trimmed paper; and consists in a roller journaled in an oscillating arm, by means of which it can be thrown in and out of gear with a pinion which receives motion from the paper-trimming apparatus, in connection with a yielding apron for guiding the paper to the slotted roller, and then yielding to permit rolling the paper upon said roller.

Referring to the drawings by letters, each letter indicating the same part in the different views, letter A represents the base, and B the inclined side, of the frame which supports the working parts of the machine. C is a curved standard, to the upper portion of which is journaled a driving-pinion, D, the shaft of which is extended, and has a pulley, E, fixed thereon. F is a roller, having the ordinary slot *f* extending from one end to near its other end, as shown at Fig. 3 of the drawings.

G is a pinion fixed to one end of the roller F, and the same end of said roller is journaled in one end of the lever H, which is pivoted at *h* to the standard C, and its other end extends upward through a slot, *c*, in the standard C, and may be taken hold of to throw the

pinion G into or out of gear with the pinion D, as shown by dotted lines at Fig. 1.

The slotted end of the roller F is journaled in an open bearing, *b*, in a standard, *b'*, and the other end is journaled in a similar open bearing in the lower end of the lever H, so as to permit of readily and quickly removing the roller, as shown by dotted lines at Fig. 3.

I is an apron, hinged at *i* to the upper edge of the side B, so that a spring, J, will hold it with its rear side resting against the side B and with its upper side in a line with the prolonged upper side of the side piece B, as shown at Fig. 1, and the spring J will permit the apron to yield downward, as shown at Fig. 2.

In operation, the device is placed adjacent to an ordinary machine for trimming wall-paper or other paper, the pulley being connected by a belt with said machine, so as to give motion to the pinion D. The slot *f* in the roller F is placed in a line with the upper surface of the apron I, as shown at Fig. 1, so that the end of the paper K, as it comes from the trimming-machine, will be guided by the apron I into the slot *f*, when the pinion G may be thrown into gear with the pinion D and rotate the roller F to roll the paper as it is trimmed and delivered to it. The apron I will yield, as shown at Fig. 2, to permit the increasing size of the roll F with the increasing quantity of the paper thereon. When the roll is completed, the roller F may be lifted from its bearings and the paper removed by slipping it off the end of the roller in the ordinary manner.

What I claim as new is—

The slotted roller F, pinion G, and shipper-arm H, in combination with the pinion D and yielding apron I, substantially as described, and for the purpose specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

RUSSELL STONE HILL.

Witnesses:

A. C. HOUSH,
GEO. W. UPP.