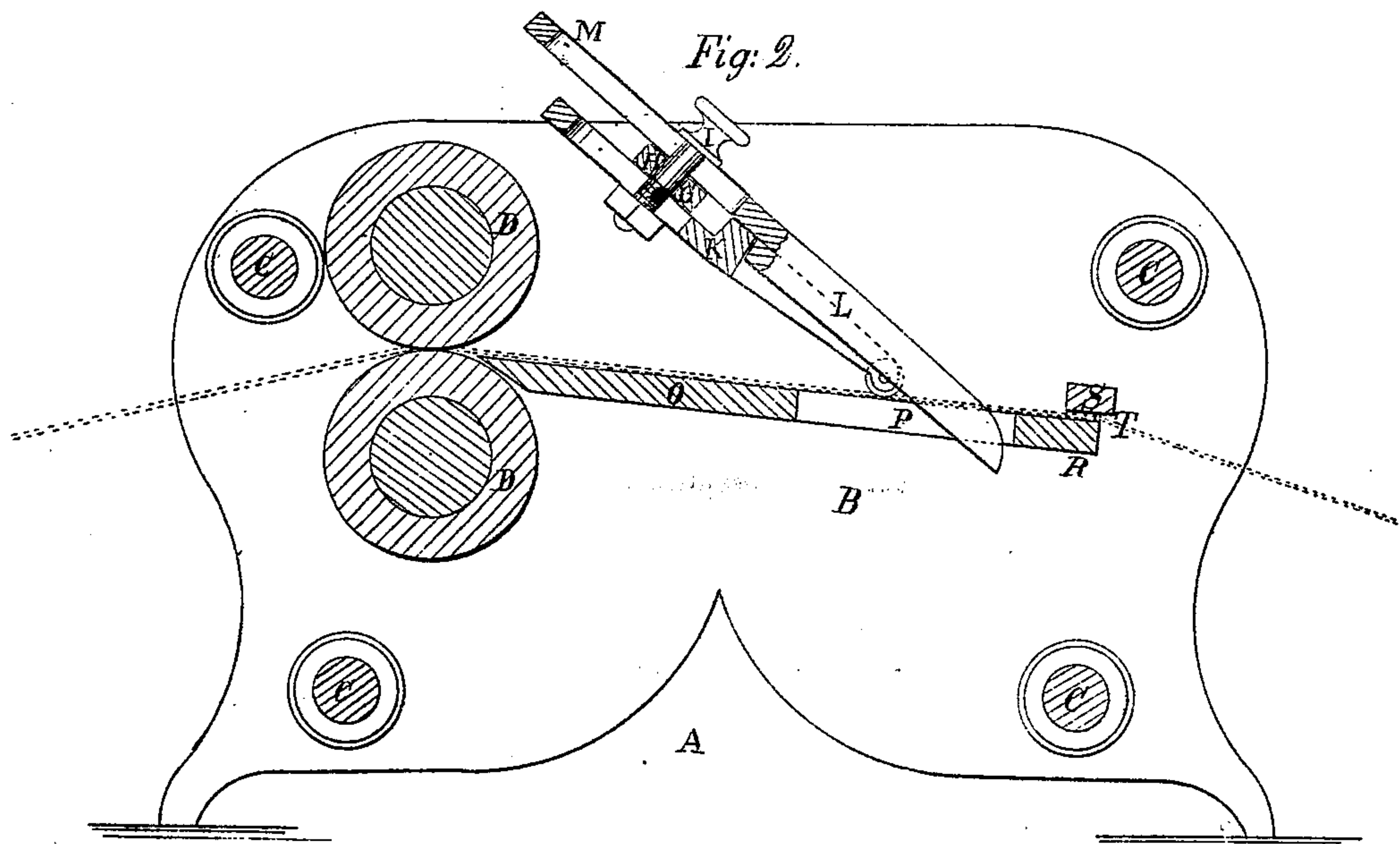
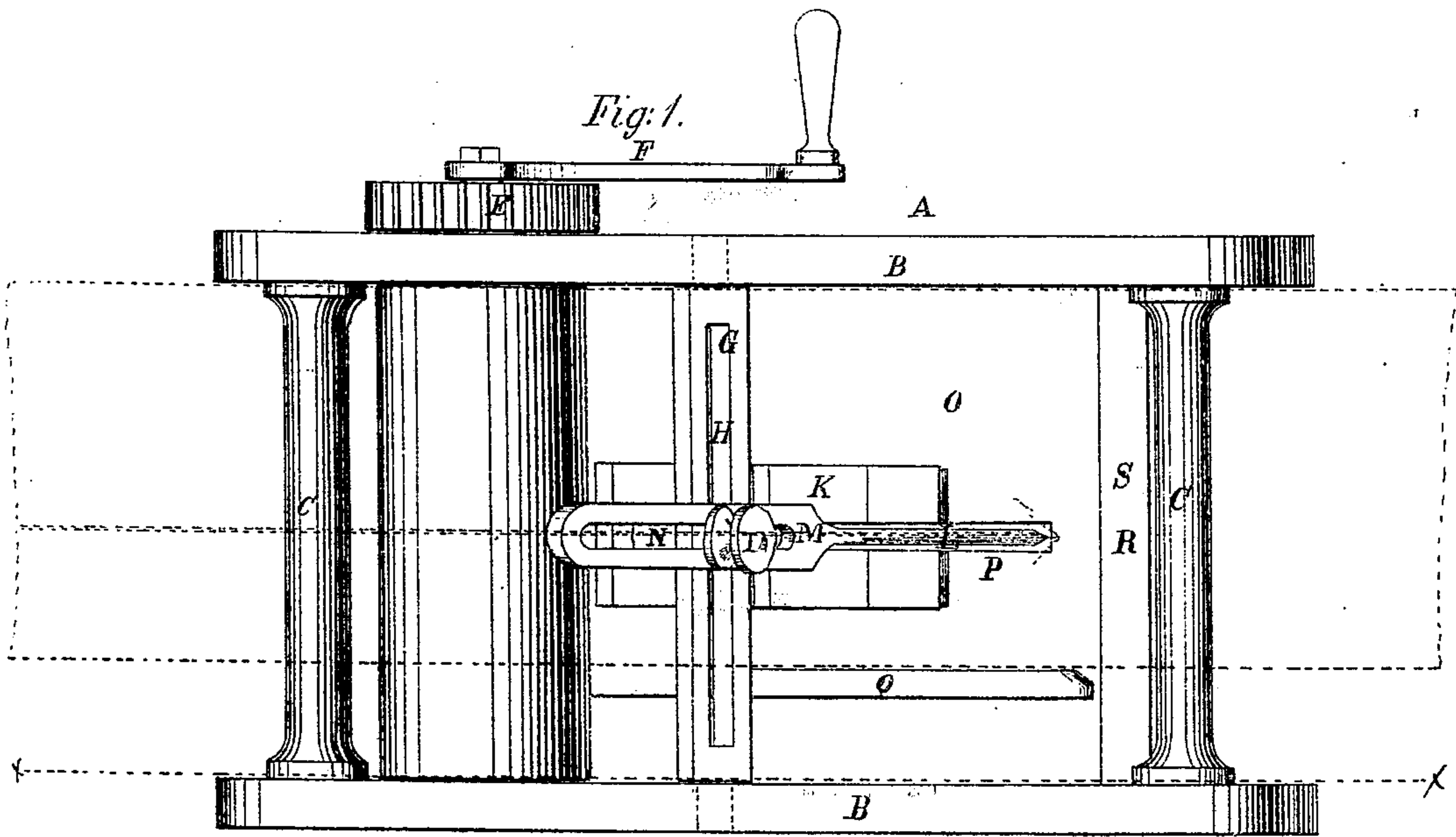


*H. H. Pember*  
*Paper Cutting Mach.*  
*N<sup>o</sup> 61,683.      Patented Jan. 29, 1867.*



*Witnesses.*

*T. A. Jackson*  
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# United States Patent Office.

H. H. PEMBER, OF NEW YORK, N. Y.

*Letters Patent No. 61,683, dated January 29, 1867.*

## MACHINE FOR CUTTING CANVAS, &c.

*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, H. H. PEMBER, of the city, county, and State of New York, have invented a new and useful improved Machine for Cutting Canvas, Card-Board, etc.; 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 drawing, forming a part of this specification.

The present invention relates to a new and useful machine for the cutting of canvas, card-board, and other sheet materials into strips, and the machine essentially consists of two feed or pressure-rollers, between which the canvas, etc., to be cut is drawn, in combination with a knife blade, so arranged that it can be adjusted in position according to the width of strip desired, as will be hereinafter explained.

Figure 1 is a plan or top view of the machine; and

Figure 2, a longitudinal vertical section taken in the plane of the line *x x*, fig. 1.

Similar letters of reference indicate like parts.

A, in the drawings, represents the framework of the machine, which consists of two parallel upright side frames, B B, placed a short distance apart, and braced by means of cross-bars or rounds, C C, at suitable points of the same. Between the two side frames B B, at one end of the same, are hung two pressure or feed-rollers, D D, one above the other, both of which rollers are connected together through gear-wheels E, at the corresponding ends of the same, to one of which a crank-handle, F, is fastened for convenience in turning it. G, a cross-bar hung so as to swing between the side frames B, in front of the feed-rollers D, and at the upper part of the said frames B. This bar is slotted in the direction of its length, through which slot, H, passes a set or thumb-screw I, screwing into a holder-bar or plate, K, upon the under side of the bar G, carrying a knife or cutter blade, L, secured to a slotted stock or handle, M, through the slot N of which the said set-screw I passes, this handle being on the upper side of the cross-bar G. The cross-bar in a direction across its width is inclined, correspondingly inclining the cutter-holder and cutter-stock, so that with reference to the platform or table O, secured between the two side frames B, the cutter stands in a vertical inclined position, with the point of the knife or cutter projecting through a slot, P, extending in the direction of the length of the said table O. To and along this table O, at one side, is a guide-piece or bar, Q, and at its front end, R, is a cross-bar or rail, S, between which and the top of the platform a space or opening, T, is left.

In the use of the machine above explained, the cutter is first adjusted to the width of strip which it is desired to cut the canvas, card-board, etc., by sliding it along upon the slotted bar G, either away from or toward the guide-piece Q, when, securing it by tightening the set-screw I, the canvas, etc., is then run or drawn through the space T, under the cross-rail S, between it and the platform, to the knife, and from thence to and between the pressure or feed-rollers D, by which, as they revolve, the canvas is then drawn forward to the action of the knife, and by it cut in a line corresponding therewith, care being taken to keep the edge of the canvas against and in contact with the guide-piece Q.

I claim as new, and desire to secure by Letters Patent—

The combination of the feed-rollers D, table or platform O, having guide-bar Q, and cutter or knife blade L, susceptible of adjustment, when all arranged and combined together, substantially as and for the purpose described.

The above specification of my invention signed by me this 24th day of July, 1866.

H. H. PEMBER.

Witnesses:

WM. F. McNAMARA,

ALBERT W. BROWN.