

(No Model.)

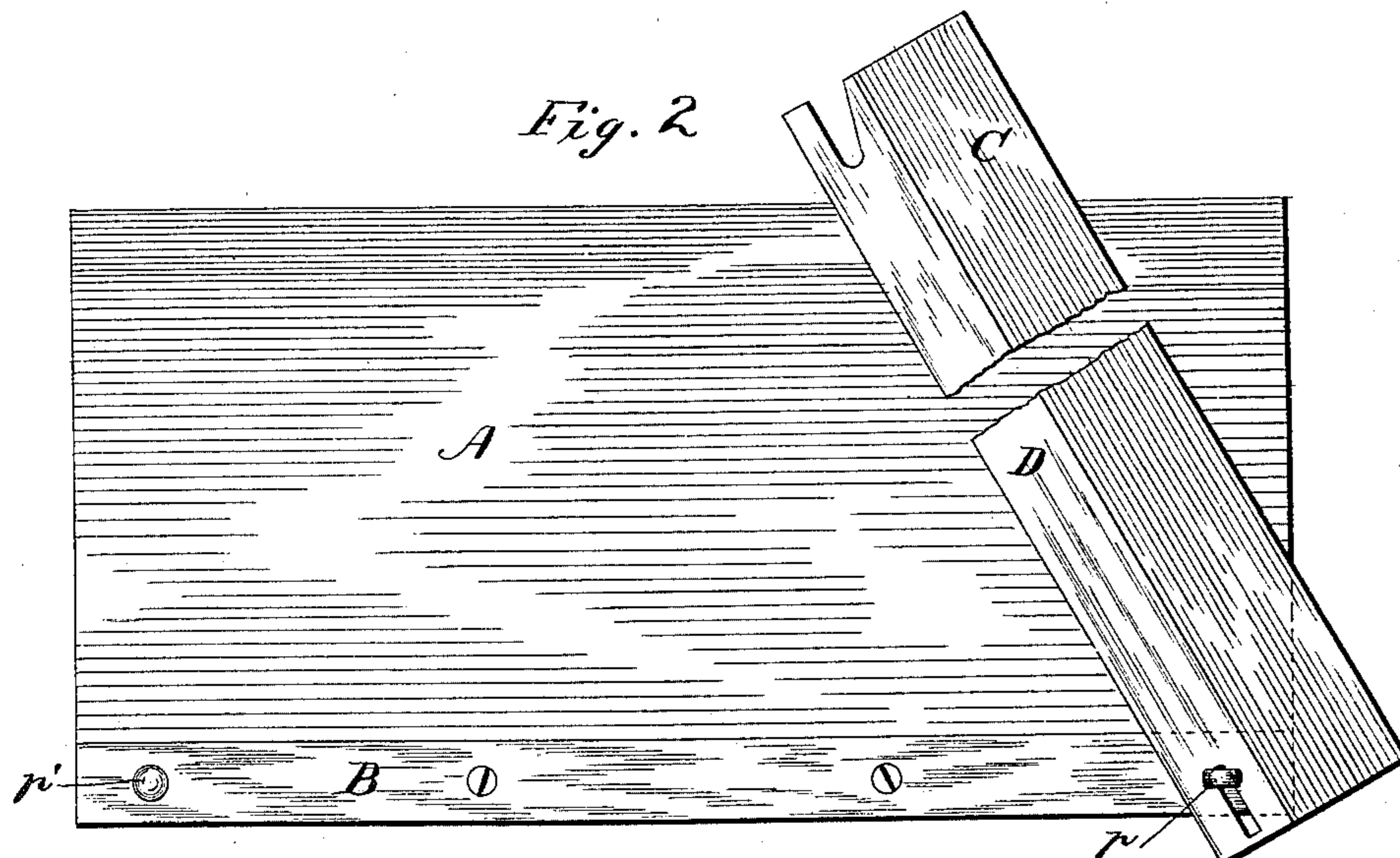
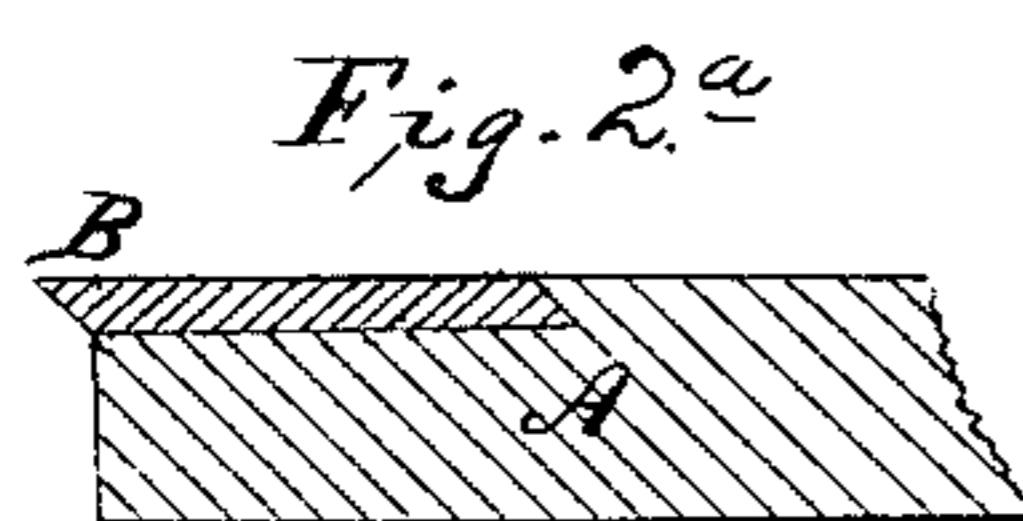
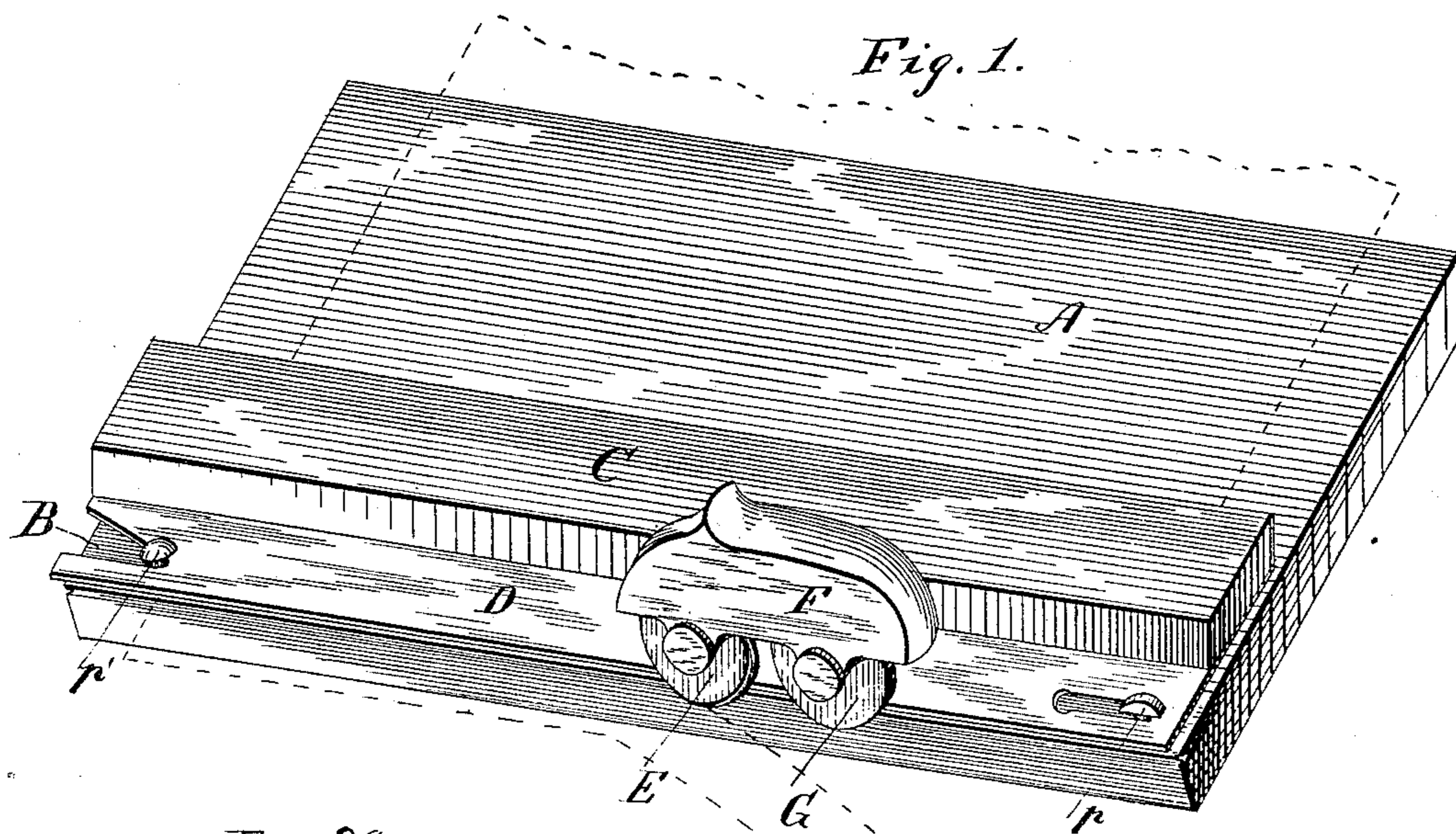
2 Sheets—Sheet 1.

J. T. FRENCH.

DEVICE FOR TRIMMING WALL PAPER.

No. 318,556.

Patented May 26, 1885.



WITNESSES

Chas. R. Burr  
Fred P. Church

INVENTOR

John T. French  
by Church & Church  
his Attorneys.

(No Model.)

2 Sheets—Sheet 2.

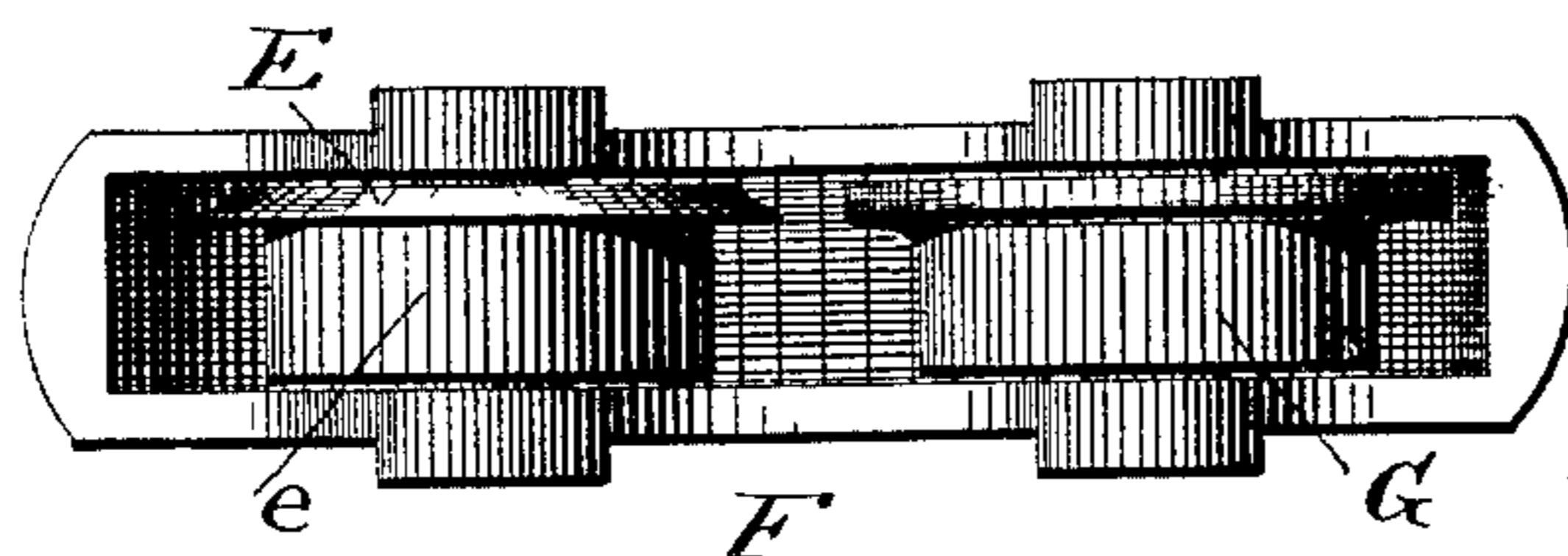
J. T. FRENCH.

DEVICE FOR TRIMMING WALL PAPER.

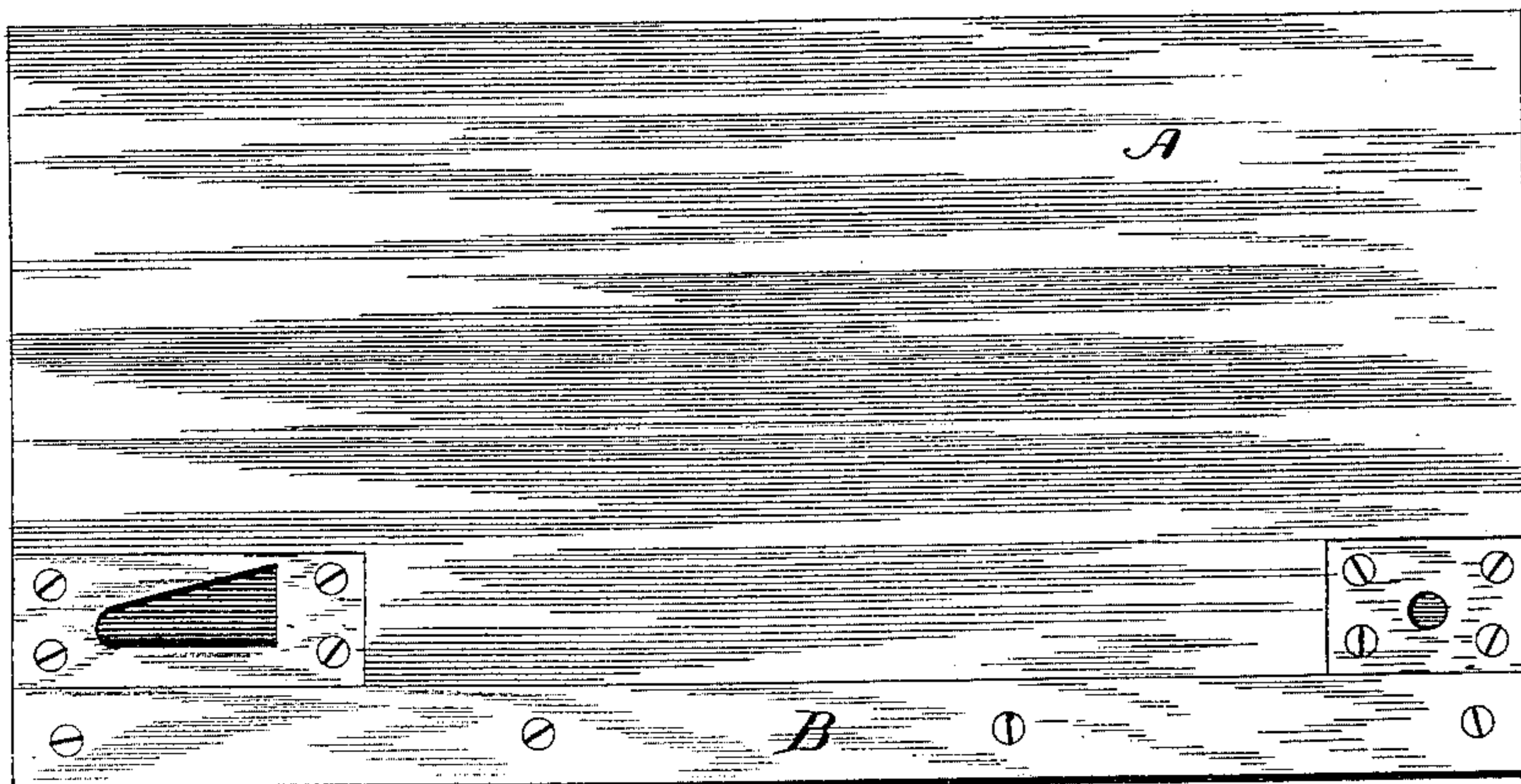
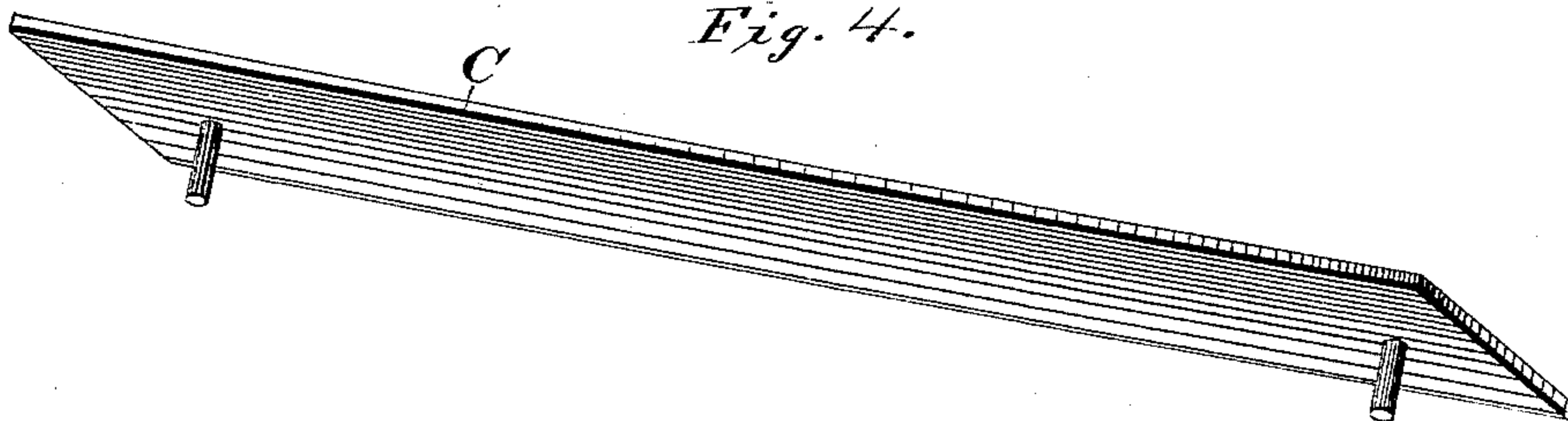
No. 318,556.

Patented May 26, 1885.

*Fig. 3.*



*Fig. 4.*



WITNESSES

Chas. R. Burr  
Fred J. Lehigh

INVENTOR

John T. French  
By Church & Schure  
his Attorneys

# UNITED STATES PATENT OFFICE.

JOHN T. FRENCH, OF TAUNTON, MASSACHUSETTS.

## DEVICE FOR TRIMMING WALL-PAPER.

SPECIFICATION forming part of Letters Patent No. 318,556, dated May 26, 1885.

Application filed February 6, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN T. FRENCH, of Taunton, in the county of Bristol and State of Massachusetts, have invented a certain new and Improved Device for Trimming Wall-Paper; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, and to the figures and letters of reference marked thereon.

My invention belongs to that class of paper-cutters wherein a reciprocating rotary cutting-disk operates in conjunction with a fixed blade to sever the paper; and it relates more especially to that class of portable machines designed for the use of paper-hangers, although equally as well adapted for cutting paper, cloth, and other like materials.

I will first proceed to describe my invention and the manner of applying the same, and will then point out in the claims those features which it is desired to secure by Letters Patent.

In the accompanying drawings, Figure 1 illustrates the apparatus in operative position. Fig. 2 shows the holder removed from the bed-plate, illustrating the mode of attachment; Fig. 2<sup>a</sup>, a section on line *x x* of Fig. 2. Fig. 3 is a bottom view of the cutter-frame and its rollers, and Fig. 4 a view of a modification.

Similar letters of reference in the several figures denote the same parts.

At the side or end of the bed-plate A is secured a steel plate or cutter, B, whose upper surface is flush, or nearly so, with the top of the bed-plate. The outer face of the plate B is beveled, as shown, to form a cutting-edge. The inner face of the plate may also be beveled, in which case the plate is so fastened that it can be turned over and secured in position, and thereby present a fresh cutting-edge when one has been dulled. The paper or other material to be cut rests upon the bed-plate and extends beyond the edge of the cutter B, when it is firmly secured in place by the presser-bar C.

The presser-bar is provided with a metal plate or ledge, D, slotted at one end to fit over and turn upon the pin *p*, and provided with a V-shaped notch in the opposite end to bear against a pin, *p'*. These pins are secured

to the cutter, as shown, or to the bed-plate, as desired, and they may either or both be provided with projecting hooks or flanges to catch over the plate D. This arrangement permits of the ready application and removal of the presser-bar, and at the same time insures its being held in the proper position relative to the cutting-edge.

The presser-bar may be turned around upon the pin *p* when the material is adjusted in place to be cut, and swung back over the latter, or it may be lifted off and replaced upon the material.

Thumb-screws may be substituted for the pins *p p'* and employed to clamp the presser upon the material, if found desirable.

The plate D may, if desired, be dispensed with, and the pins may be attached to or formed upon the under side of the bar, in which case an inclined slot should be formed in the bed-plate at one end and a round hole at the other, as shown in Fig. 4, for the reception of said pins.

When the presser, as shown in Fig. 4, is applied to the base-piece, one of the pins is inserted in the inclined slot and moved toward the smaller end. This will serve to position the bar, and the pin on the other end can then be inserted in the hole provided for it, and thus obviate the difficulty experienced in inserting the pins on the presser into small holes in the base.

The cutting-disk E is mounted in a frame or handle, F, which carries in addition thereto a flanged pressing-roller, G.

The cutter E is of steel, beveled on the outer edge, and provided with a cylindrical portion, *e*. The cutting-disk may be made separate from and detachably secured to the roller *e*, or they may be constructed in one piece.

The paper or other material to be cut having been properly adjusted with respect to the fixed plate B, and the presser-bar having been placed in position, the rollers E G are brought down upon the plate D and caused to traverse the same, the cutting-disk acting in conjunction with the fixed plate B to sever the paper. During the cutting operation the rollers press upon the plate D, and thus operate to hold the material firmly in position, at the same time communicating a rotary motion to the cutting-

disk, whereby the material is severed by a shear-cut.

The flange or roller G is slightly beveled, as shown in Fig. 3, and as the rollers are moved 5 along on the plate D this flange is pressed and held against the face of the stationary cutter, serving not only to guide the roller, but also to preserve the cutting-edge upon the plate B.

The apparatus constructed as above de- 10 scribed is simple and very effective for cutting or trimming articles where a straight-edge is required. The rotary disk operates in conjunction with the fixed plate to sever the article by a shear-cut, thus facilitating the op- 15 eration and avoiding the formation of a ragged edge.

By causing the cutting-roller to bear upon the presser-plate the holding of the material is insured, because as the power necessary to 20 overcome the resistance to the cutter increases the pressure brought to bear upon the plate also increases.

Having thus described my invention, I claim as new—

1. In a paper-cutter, and in combination 25 with the bed-plate and presser-bar, the rotary cutting-disk provided with a cylindrical portion or roller to engage the presser, substantially as described.

2. In a paper-cutter, the slotted and notched 30 presser-bar, in combination with the fixed cutting-plate and holding-pins, substantially as described.

3. The fixed cutter and removable presser- 35 bar, in combination with the cutting, guiding, and pressing rollers, substantially as described.

4. The presser-bar provided with a plate or ledge, in combination with the fixed cutter, the holding-pins, the flanged pressing-roller, and the cutting-disk, substantially as de- 40 scribed.

JOHN T. FRENCH.

Witnesses:

JOHN F. MONTGOMERY,  
H. T. MONTGOMERY.