

(Model.)

M. KAMAK.
BUTTON HOLE CUTTER.

No. 316,151.

Patented Apr. 21, 1885.

Fig. 1.

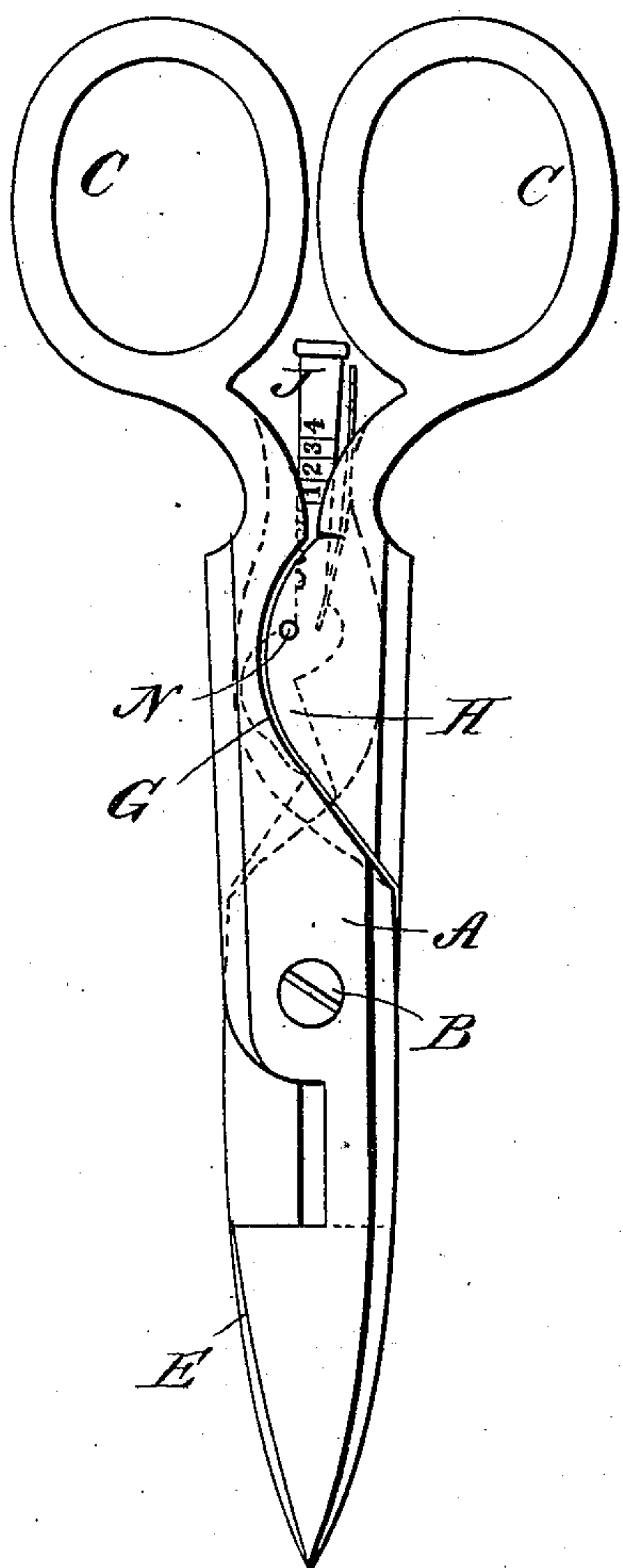


Fig. 2.

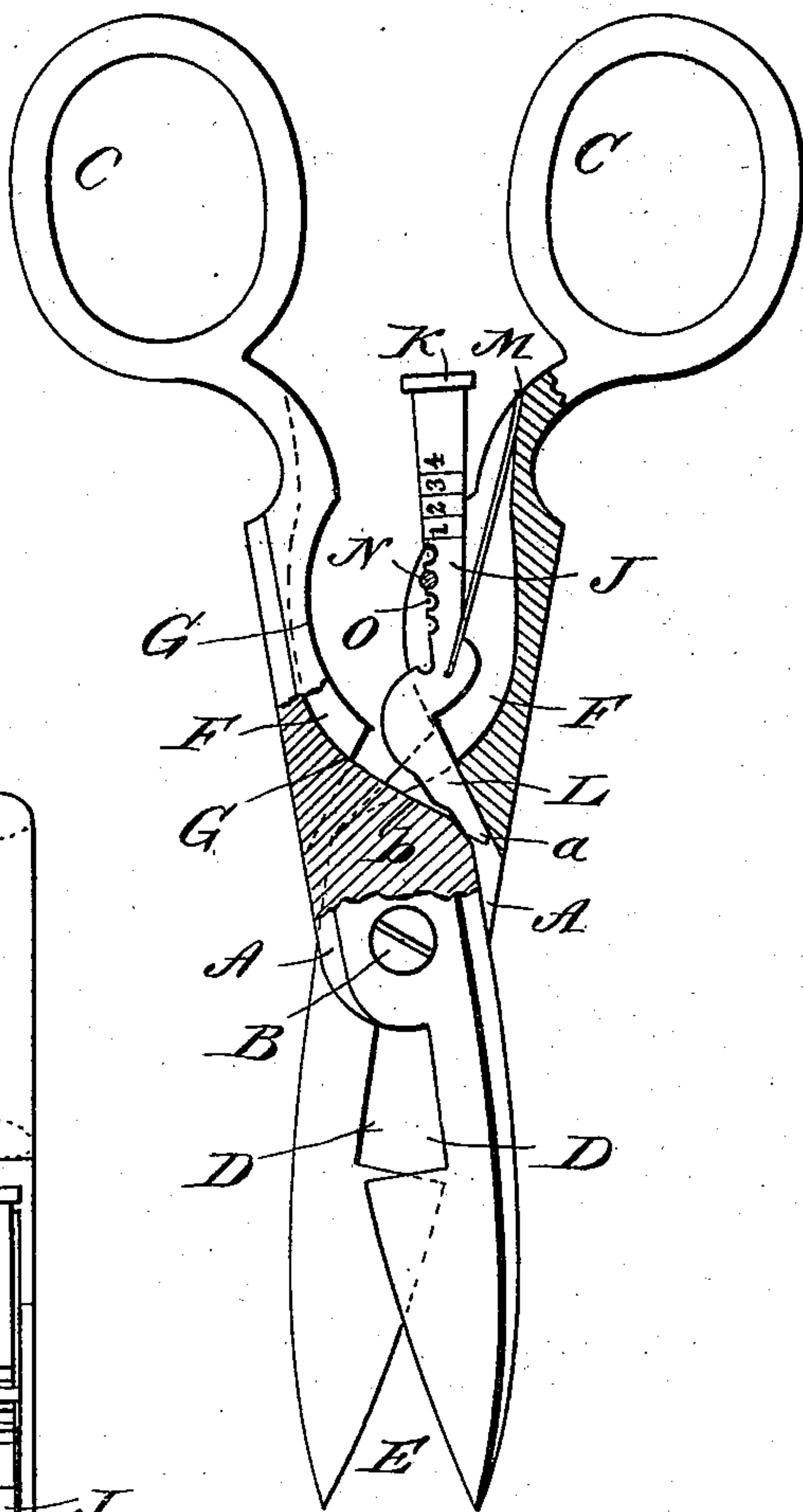
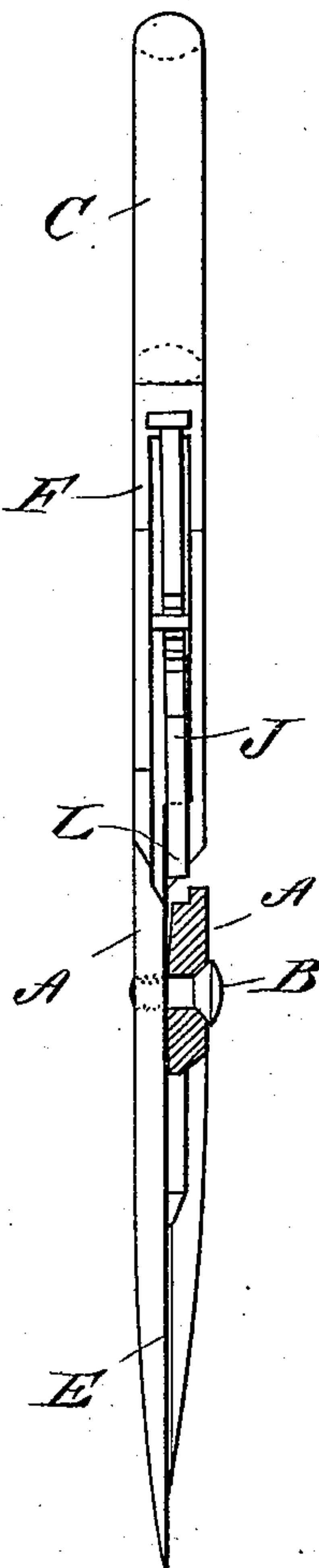


Fig. 3.



WITNESSES:

Donn Twitchell.
C. Sedgwick

INVENTOR:

M. Kamak
BY *Munn & Co*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

MAX KAMAK, OF NEW YORK, N. Y.

BUTTON-HOLE CUTTER.

SPECIFICATION forming part of Letters Patent No. 316,151, dated April 21, 1885.

Application filed February 13, 1885. (Model.)

To all whom it may concern:

Be it known that I, MAX KAMAK, of the city, county, and State of New York, have invented certain new and useful Improvements in Button-Hole Cutters, of which the following is a full, clear, and exact description.

This invention relates to certain new and useful improvements in button-hole cutters; and the object of my invention is to facilitate the adjustment of the device according to the desired length of the cut.

The invention consists in the combination, with a button-hole cutter of the character described, of a sliding key between the legs at the joint, which key can be adjusted for cuts of different lengths.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a face view of my improved button-hole cutter. Fig. 2 is a plan view of the same, partly closed, and parts being broken out and others in section; and Fig. 3 is an edge view of the same, parts being broken out and others in section.

The legs or levers A of the button-hole cutter are pivoted to each other by the pivot B, and are provided with the usual finger-loops, C.

In the cutting-edge of each leg A a recess, D, is formed at the joint, and extends from the same about half the length of the upper end of each leg, thus forming the cutting portions E, extending from the joints of the legs toward the pivot.

A longitudinal groove, F, is formed in the inner edge of each leg A, and extends from the pivot to the finger-loop.

One leg has a recess, G, in its inner edge, and the other leg has a rounded projection, H, on its inner edge, fitting in the said recess G.

In the projection H, which is also grooved longitudinally, a sliding key, J, is placed, provided at its lower end with a small handle-knob, K, and at its upper end with a beveled head, L.

A spring, M, has one end secured at the upper end of the key in the inner edge, and the other or free end of the spring rests against the bottom of the groove F, whereby the key is pressed outward and against a cross-pin, N, in the projection H.

The outer edge of the key is provided with a series of notches, O, adapted to receive the pin N, and on the side of the key J as many numbers are produced in a row as there are notches O.

The inner edge of the head L rests against the beveled edge a at the joint of that leg A in which the key is held, and the outer edge of the head is adapted to come in contact with the beveled edge b at the joint of the other leg A.

The operation is as follows: When the key is pulled down as far as possible, the legs A can be folded snugly together, and the cut made will be as long as the cutting-edges E.

To make shorter slits or cuts the blades must be so adjusted that they cannot cut their entire length. To accomplish this the key J is pushed a greater or less distance toward the points of the blades, and thereby the head L is pushed farther into the joint and prevents folding or swinging the legs A snugly together, as is shown in Fig. 2, and thus permits only the inner parts of the edges E to cut.

By adjusting the key in different positions the scissors can easily be adjusted to make cuts of different lengths.

The numbers on the key greatly facilitate the adjustment of the key.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination, with a button-hole cutter, of an adjusting-key sliding on one of the legs in the direction of its length and between the legs at the joint, substantially as set forth.

2. The combination, with a button-hole cutter, of a sliding key between the legs at the joint, and of a spring acting on the said key, substantially as herein shown and described.

3. The combination, with a button-hole cutter, of a sliding adjusting-key in the inner edge of one leg, which key has a beveled head, substantially as herein shown and described.

4. The combination, with a button-hole cutter, of the key J, having notches O, the spring M, and the pin N, substantially as herein shown and described.

MAX KAMAK.

Witnesses:

OSCAR F. GUNZ,
EDGAR TATE.