

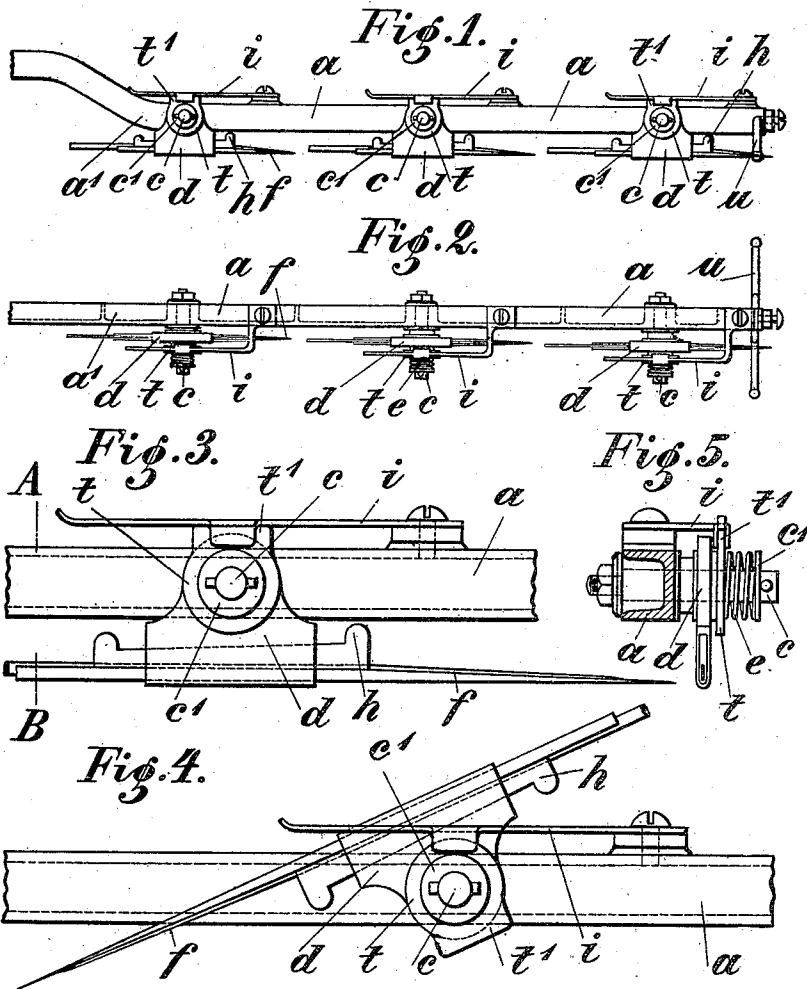
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CUTTING APPLIANCE FOR VELVETS, PLUSHES, AND SIMILAR FABRICS.

APPLICATION FILED MAY 12, 1908.

933,983.

Patented Sept. 14, 1909.



Witnesses:
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W. B. Scholz

Inventor:
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UNITED STATES PATENT OFFICE.

PAUL HERTZOG, OF MÜNCHEN-GLADBACH, GERMANY.

CUTTING APPLIANCE FOR VELVETS, PLUSHES, AND SIMILAR FABRICS.

933,983.

Specification of Letters Patent. Patented Sept. 14, 1909.

Application filed May 12, 1908. Serial No. 432,550.

To all whom it may concern:

Be it known that I, PAUL HERTZOG, a subject of the German Empire, residing at München-Gladbach, in the Kingdom of Prussia, Germany, have invented a new and useful Cutting Appliance for Velvets, Plushes, and Similar Fabrics, of which the following is a full and complete specification.

The subject of my invention is an appliance for cutting velvets, &c., which may be fitted with any required number of knives, offset from each other, for cutting the loops in successive lines of plushes, velvets or other similar material.

The cutting device is fitted with a contrivance which immediately puts out of operation any cutter or cutters which should fail to operate correctly.

The invention is shown on the accompanying drawing in one mode of construction.

Figure 1 shows the cutting device in a side elevation and Fig. 2 is a plan view. Figs. 3 and 4 show the cutter block or carrier in position for cutting and also out of position, while Fig. 5 is a section to line A. B. of Fig. 3.

In the mode of construction shown in the drawing, the blocks or carriers *d* for the knives *f* which, as illustrated, may be secured in position by keys *h*, are offset from each other on the knife-holder bar *a*, which is of some light metal, pressed steel or iron for example. The knife-holder, which is bent at one of its ends *a*¹ and, for greater ease of manipulation, provided with a handle, carries the bolts *c* on which are pivoted the blocks *d*. As shown in the drawing, a collar or washer *t*, with shoulders *t*¹ may be employed for each knife-holder. The collars *t* are gripped by the claws of the retarding spring *i* which is fixed on the knife block, the springs acting on the straight shoulders of the collar and retaining the holder in its working position.

In case of accident while cutting, for example, if the cloth is pierced, all the damage

that is done is that a small hole is made, as the knife holder is turned around or reversed by the piece running past and is held in its harmless position by the spring *i*, which also engages collar *t*, in the reversed position of the carrier.

The knife carriers are preferably held loosely by the spiral springs *e* on the bolts or gudgeons *c*, these springs pressing them against the boss *c*¹ of the bolt or gudgeon *c*, in order that, if the cloth happens to get slightly out of its course, the knives will follow it.

At the front of the knife holder, there is a guide or rest *u*, of thin copper wire for the purpose of keeping the cutting devices at the proper height.

Having now fully described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A cutting appliance of the character described, comprising a bar, a series of bolts projecting laterally therefrom, knife carriers set off from each other and rotatably mounted upon the bolts, knives secured to the carriers, said carriers having flattened portions on the sides opposite the knives, and springs secured to the bar and bearing upon said flattened portions.

2. A cutting appliance of the character described, comprising a bar, a series of bolts projecting laterally therefrom, knife carriers set off from each other and rotatably mounted upon the bolts, coiled springs encircling the bolts and bearing against the carriers, knives secured to the carriers, said carriers having flattened portions on the sides opposite the knives, and leaf springs secured to the bar and bearing upon said flattened portions.

Signed by me at Dusseldorf, Germany this 29 day of April 1908.

PAUL HERTZOG.

Witnesses:

PETER LIEBER,
WILHELM FLASCHE.