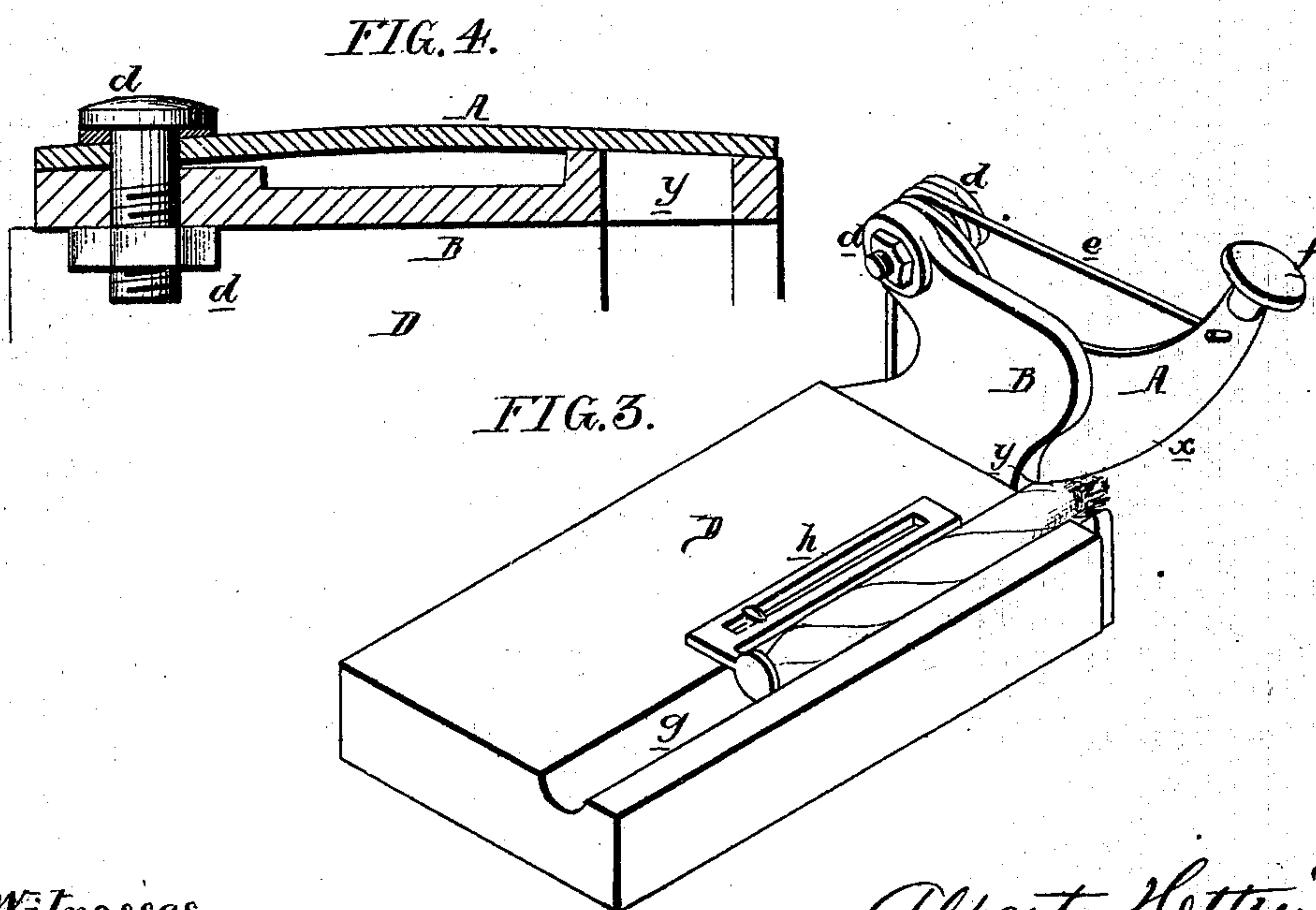
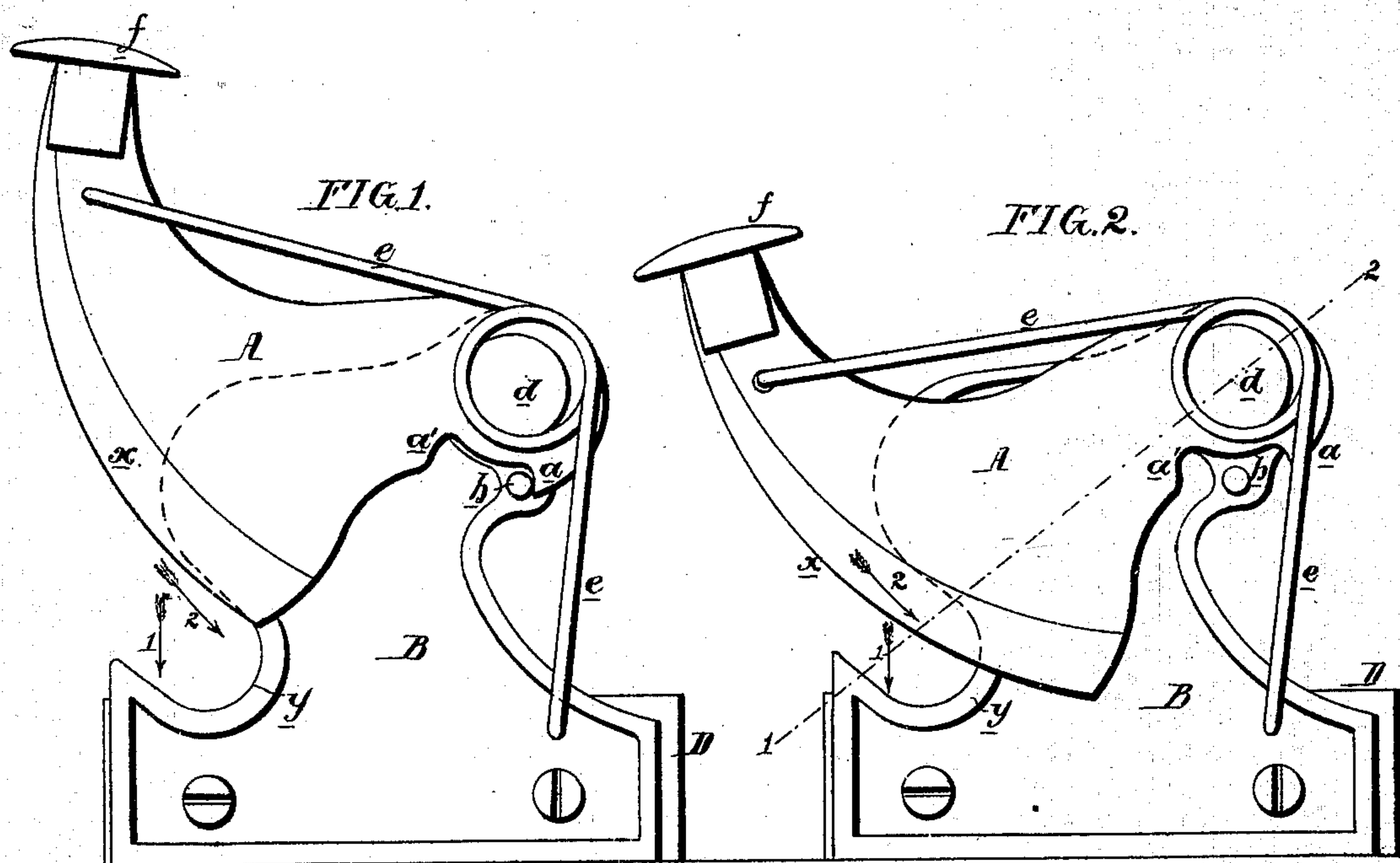


A. HETTINGER.
Cigar-Trimmers.

No. 139,152.

Patented May 20, 1873.



Witnesses,
Thomas McAlvain,
Harry Smith

Albert Hettinger
by his Atty.
Hawes & Son,

UNITED STATES PATENT OFFICE.

ALBERT HETTINGER, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
GEORGE W. EDWARDS AND JOSEPH M. PATTERSON, OF SAME PLACE.

IMPROVEMENT IN CIGAR-TRIMMERS.

Specification forming part of Letters Patent No. **139,152**, dated May 20, 1873; application filed
February 3, 1873.

To all whom it may concern:

Be it known that I, ALBERT HETTINGER, of Philadelphia, Pennsylvania, have invented an Improved Cigar-Trimmer, of which the following is a specification:

The object of my invention is to enable the ends of cigars to be trimmed off uniformly and smoothly, without cracking the wrappers or drawing out the fillers, whether the said cigars be fresh or dry. I accomplish this object by the use of the apparatus shown in the end view, Fig. 1, and sectional plan, Fig. 2, of the accompanying drawing, in which a pivoted blade, A, acted on by a spring, *e*, arranged to be operated by the direct pressure of the hand, limited in its movement by shoulders *a a'* and a stop-pin *b*, and having a cutting-edge, *x*, of such a character as to produce a draw cut without squeezing the cigar, is combined with a plate, B, having a recess, *y*, for the reception of the end of the cigar, and to which the said blade, which is slightly lowered or bent, is pivoted by a bolt and nut, *d*, on tightening which the said blade will be partially straightened, and thus caused to bind against the edges of the recess *y*. The blade A is provided with a handle or button, *f*, by a direct pressure upon which it is operated. The perspective view, Fig. 3, illustrates the groove *g* in the base D for the reception of the cigar, and the adjustable gage *h* for determining the

length of the cigar. Instead of slotting the blade, as usual, for the reception of a stop-pin, it will be observed that I gain the same end, and avoid weakening the blade, by notching the latter at one edge, so as to form shoulders *a a'*, which strike a stop-pin, *b*, projecting from the plate B. I obtain the necessary intimate contact of the blade with the edges of the recess *y* in the plate B by slightly bending or bowing the said blade, as illustrated to an exaggerated degree in the sectional plan, Fig. 2, so that, by tightening the nut of the pivoting-bolt *d*, the said blade may be partially straightened and caused to bind against the plate with the required degree of pressure.

I claim as my invention—

The within described cigar-trimmer, consisting of the frame B, with a recess, *y*, edged with a rib, and the laterally-bent cutting-lever A, having shoulders *a a'* and a curved edge, of the character described, maintained in close contact with the said rib by the fulcrum-bolt *d*, all as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALBERT HETTINGER.

Witnesses:

WM. A. STEEL,
HUBERT HOWSON.