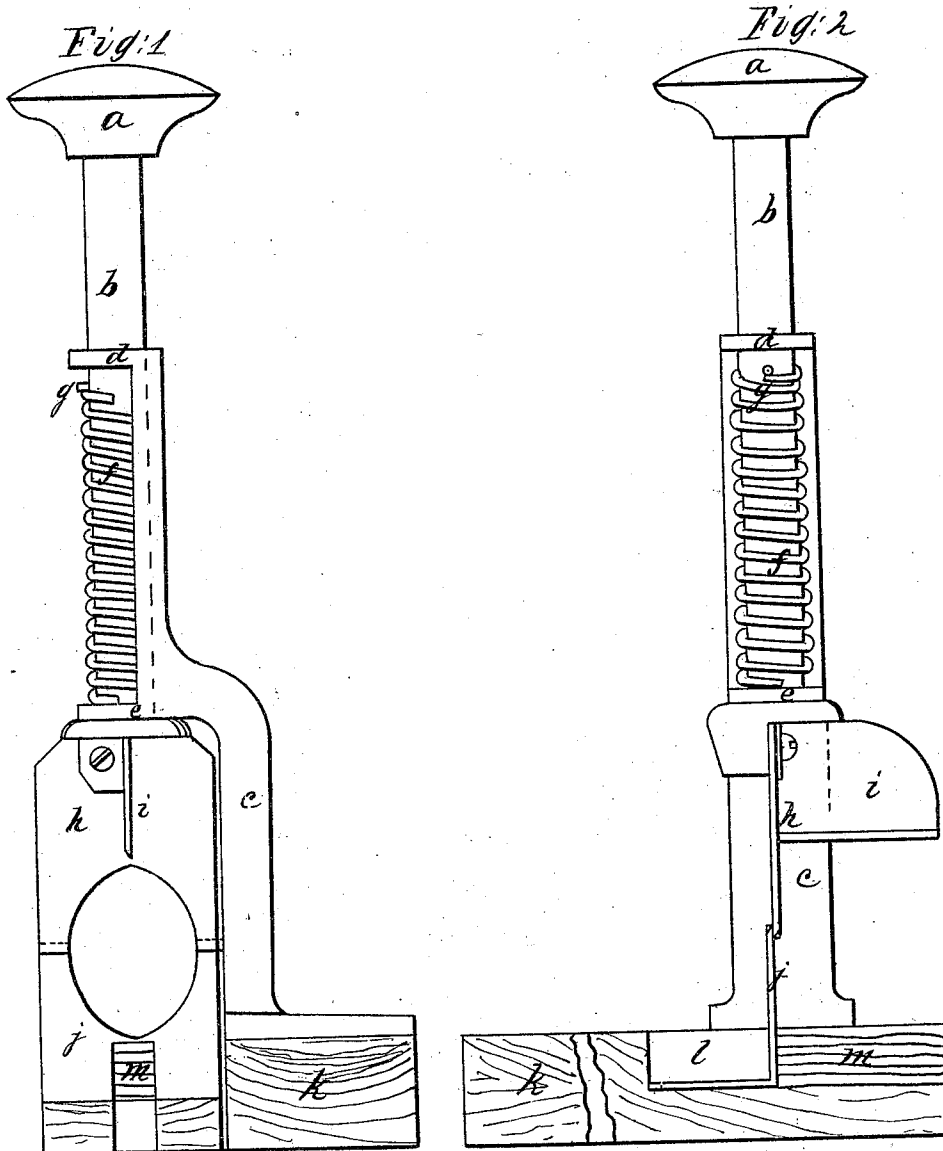


L. S. Stimson,

Cigar Cutter.

No. 109,153.

Patented Nov. 8. 1870.



Witnesses
M. S. Moulton
Geo. E. Pevey

Inventor
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UNITED STATES PATENT OFFICE.

LUCIUS S. STIMSON, DECEASED, OF LOWELL, MASSACHUSETTS, BY HARRIET N. STIMSON, ADMINISTRATRIX, ASSIGNOR TO HIMSELF AND MOSES S. MOULTON, OF SAME PLACE; SAID MOULTON ASSIGNOR TO NELSON F. LIBBY.

IMPROVEMENT IN CIGAR-CUTTING MACHINES.

Specification forming part of Letters Patent No. 109,153, dated November 8, 1870.

To all whom it may concern:

Be it known that I, LUCIUS S. STIMSON, of Lowell, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Cigar-Cutting Machines; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in providing a machine with suitable knives or cutters for the purpose of cutting and finishing cigars, operating together substantially as hereinafter specified.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Figure 1 represents an end elevation of my improved machine. Fig. 2 represents a side elevation of the same.

In the different figures the same letters refer to identical parts.

a represents the handle, which can either be fast or movable, and attached to the piston *b*; *c*, the pedestal or stand, with its bearings *d* and *e*, through and in which the piston *b* is allowed to slide freely; *f*, the spiral spring which encircles the piston *b*, one end resting or pressing on the bearing *e*, the other end pressing against the pin *g* inserted in the piston *b*. *h* is the movable cross-cutter, which is attached to the piston *b*, its cutting-surface being of an oval shape. Attached to this cutter, or to the bottom of the piston *b*, is the longitudinal straight cutter *i*; *j*, the bottom stationary cutter, its cutting-surface corresponding in shape with the cutter *h*, which is attached to the bed-piece *k* by means of the cap *l*. To the bed-piece *k* the stand *c* is firmly secured. The bed-piece *k* is so formed or cut away so that the cutter *h* will slide freely, leaving a seat, *m*, which is covered with hide or any other equivalent material. This seat

serves to support the end of the cigar when being cut off, and also receives the cutting-edge and stops the cutters *h* and *i* when passing across the cigar and dividing the waste end. The cutting-edges of these cutters *h* and *i* are peculiarly constructed, their edges projecting inward, so that they do not come in contact with the smooth surface. This construction presents less friction and less liability for the edges to become dull. The motion of the upper cutter, *h*, in connection with the lower cutter, *j*, actually produces and causes a self-sharpening process.

The bed-piece *k* being firmly secured in its proper position and required location, the operator places the cigar on the bed-piece *k*, which bed-piece may be grooved or not to receive the cigar, the unfinished end projecting through the cutters *h* and *j*, so as to give the cigar any given length required; then, with a stroke or quick pressure of the hand on the handle *a*, forces down the piston *b*, which carries the cutters *h* and *i* down through the cigar until the cutter *i* comes in contact with the seat *m*, the form and size of the cutters *h* and *j* corresponding with the size of the cigar.

The moment the cutters come in contact with the cigar their edges nearly encircle its periphery or outside, and by this means, the wrapper being cut first, and the center last, leaves the end to be lighted perfectly smooth and round.

I disclaim the splitting-cutter *i* and seat *m*.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the two concave cutters *h* and *j*, substantially as and for the purpose herein specified.

L. S. STIMSON.

Witnesses:

M. S. MOULTON,
GEO. E. PEVEY.