

H. A. MORSE.  
Tobacco Cutter.

No. 47,742.

Patented May 16, 1865.

Fig. 1.

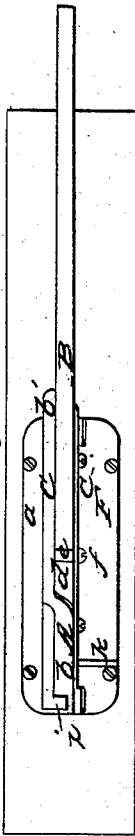


Fig. 2.

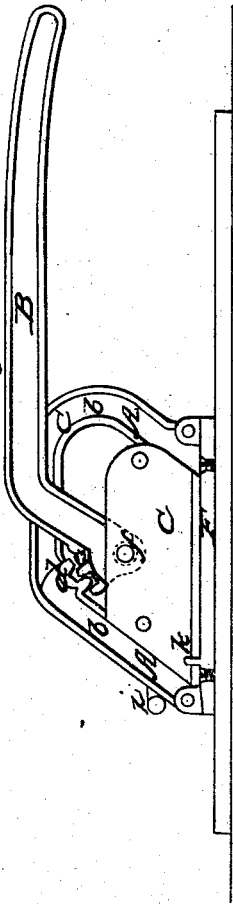


Fig. 3.

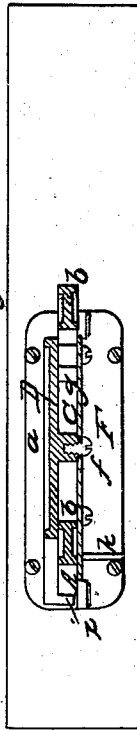
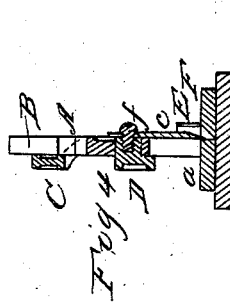
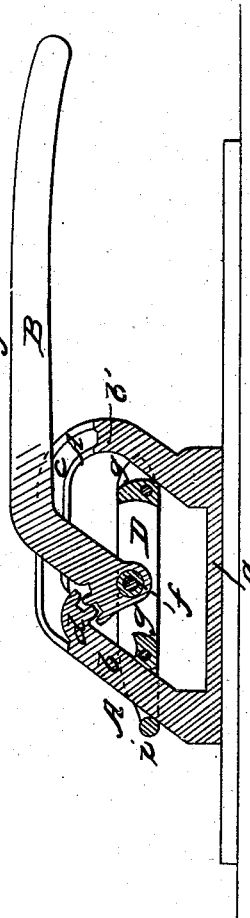


Fig. 5.



Witnesses  
P. P. Hale Jr.  
L. C. Fisher.

Inventor:  
H. A. Morse.  
by his attorney  
P. P. Hale Jr.

# UNITED STATES PATENT OFFICE.

HERBERT A. MORSE, OF CANTON, MASSACHUSETTS.

## IMPROVEMENT IN MACHINES FOR CUTTING TOBACCO.

Specification forming part of Letters Patent No. 47,742, dated May 16, 1865.

*To all whom it may concern:*

Be it known that I, HERBERT A. MORSE, of Canton, in the county of Norfolk and State of Massachusetts, have invented an Improved Machine for Cutting Tobacco; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a front elevation, Fig. 3 a horizontal section, Fig. 4 a vertical section; and Fig. 5 a longitudinal section, of it.

In the drawings, A denotes a guide-frame consisting of a bed-plate, *a*, and two posts, *b* *b'*, projecting upward therefrom and inclined thereto, and arranged parallel to one another, as represented, such posts being connected by means of an arched or curved bar, *c*, arranged aside of the two posts, and a lever, B. At the upper part of the inner side of the front part, *b*, there is a rack or arrangement of teeth, *d*, *d'*, &c., which engage with a toothed sector, *e*, projecting from the said lever B.

The fulcrum of the lever is shown at *f*, it serving to connect to the lever a cutting-knife, C, and a guide-bar, D, which are arranged on opposite sides of the posts of the guide-frame A, as well as on opposite sides of the lever. The guide-bar has guides or projections *g* *g* extending from it, and between and against the two parts of the frame A, the knife being fastened to such projections by screws *h* *h*. A third projection, *i*, may also extend from the

guide-bar and in front of and against the front part, *b*. Furthermore, underneath the knife there is a bar, E, of soft metal, which is held in place by a clamp-bar, F, fastened to the frame A, and having an abutment, *k*, raised and arranged on it and aside of and above the bar E in manner as shown in the drawings. By raising the lever B the knife will be drawn upward, and while rising will be moved backward. On depressing the lever the knife will be forced downward, and will cut with a drawing stroke a piece of tobacco when resting on the bed-plate and against the abutment *k* of the clamp-bar F.

My present invention is an improvement with reference to the tobacco-cutter represented in Letters Patent No. 32,640, granted June 25, 1861, to myself and Henry U. Morse, as by means of it I am enabled to dispense with much of the mechanism contained therein, and thereby to greatly simplify the machine and render it more easily operated and less expensive in construction.

I claim as my invention—

The combination of the single guide-frame A, guide-bar D, and its projections or guides, with the knife C, the lever B, the toothed sector *e*, and the rack *d*, the whole being substantially as specified.

HERBERT A. MORSE.

Witnesses:

R. H. EDDY,  
F. P. HALE, Jr.