S. H. LORING.
Tobacco-Cutter.

No. 196,366. Patented Oct. 23, 1877.

Fig. 1.

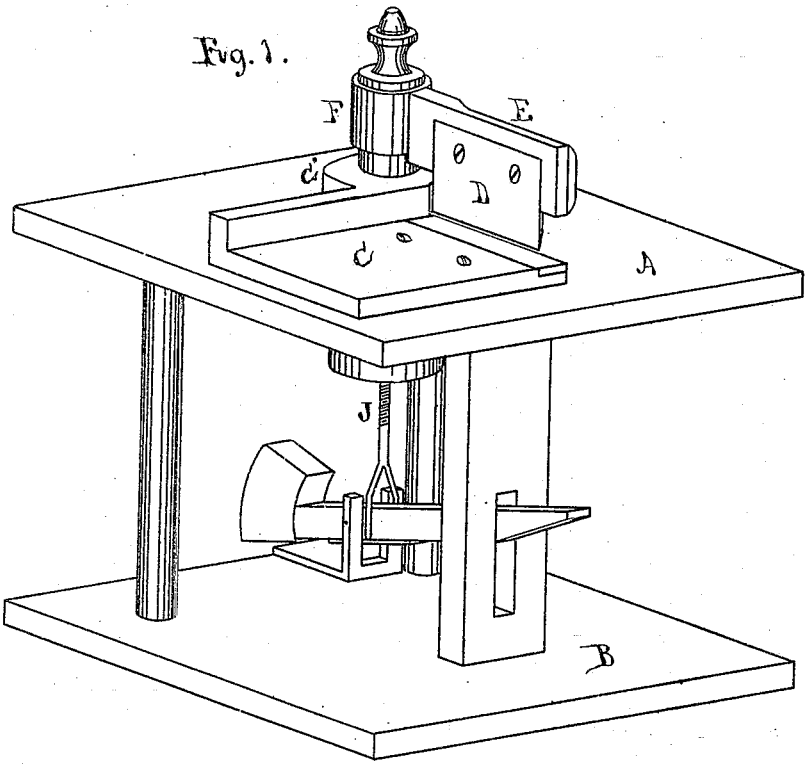
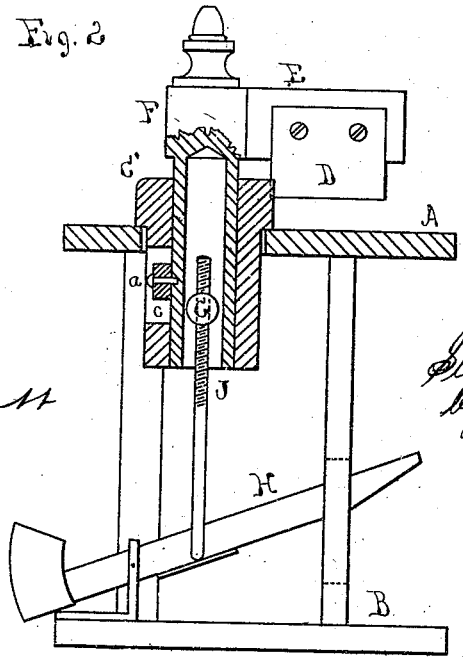


Fig. 2



Witnesses
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UNITED STATES PATENT OFFICE.

SILAS H. LORING, OF LAWRENCE, MASSACHUSETTS.

IMPROVEMENT IN TOBACCO-CUTTERS.

Specification forming part of Letters Patent No. **196,366,** dated October 23, 1877; application filed March 21, 1877.

To all whom it may concern:

Be it known that I, SILAS H. LORING, of Lawrence, in the county of Essex and State of Massachusetts, have invented a new and useful Tobacco-Cutter, of which the following is a specification:

My invention relates to the construction of a tobacco-cutter to be attached to the counter and operated by foot-power; and it consists in attaching the cutting-knife to an arm from a hollow cylinder, which slides vertically in an outer cylinder, the former being provided with a guide to keep the knife at right angles to the edge of the tobacco, and also a screw-threaded nut, two sides of which project into or through the sides of the hollow cylinder, into which nut the pitman from the treadle is screwed, the object being to construct a tobacco-cutter which can easily and quickly be applied to any ordinary height of counter, and which can at any time be adjusted to take up the wear of the knife and other parts.

In the drawings, Figure 1 is a perspective view of the cutter, and Fig. 2 a sectional elevation of the same.

A represents the counter, and B the floor. C is the plate on which the tobacco to be cut is placed, which is screwed to the counter. To this plate C, I attach the outer cylinder C′, which passes through the counter, and in it I make a longitudinal slot, *c*.

D is the cutting-knife, attached to the arm E of the cylinder F. This cylinder I make hollow, and it is provided with a guide-block, *a*, fitted to the slot *c* in the outer cylinder C′.

In order that the knife may make a square cut each time, it is necessary that the guide which prevents the inner cylinder and knife from turning should have a bearing of considerable length in the slot, and should be accurately fitted thereto; otherwise the knife will make an angular cut.

As the cylinder F works in the outer cylinder C′, the guide-block serves as a guide, and keeps the cutting-knife perpendicular to the sides of the tobacco-plug.

G is a screw-threaded nut which I insert in the lower part of the hollow cylinder F, two opposite ends of this nut projecting through, or partly through, the sides of the cylinder.

H is the treadle, attached to the floor in the usual manner, one end being weighted sufficiently to overbalance the weight of the other parts of the cutter, and hold the knife up off of the plate C.

J is the pitman, the upper part having a screw-thread, and being screwed into the nut G. As the cylinder F is hollow, this pitman may be screwed therein, above the nut G, and thus the length of the pitman regulated to the varying height of the counter when the cutter is attached thereto.

As the knife or other parts become worn by usage, the loss may be easily taken up by unscrewing the plate C, when the knife D and cylinder F may be turned around, the latter carrying the nut G with it, thereby taking up the distance, or lengthening it if necessary, on the pitman J.

This method of connecting the knife and treadle is of great advantage over that heretofore employed, inasmuch as the cutter may be easily and quickly applied to any counter of the usual height from the floor, without being previously fitted thereto, and without any change or alteration in the length of the several parts, while at the same time the wear of the parts may easily be taken up, and the knife given any necessary cutting distance.

I claim as new and of my invention—

1. In combination with the cutting-knife D, the hollow cylinder F, nut G, pitman J, and treadle H, substantially as described.

2. In combination with the plate C, attached to the outer cylinder C′, the inner cylinder F, having a nut inserted through its shell, and pitman J, attached to the treadle H, substantially as described.

SILAS H. LORING.

Witnesses:

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