J. L. ADAMS & J. G. BLONDIN.

Tobacco-Cutter.

No. 167,288. Patented Aug. 31, 1875.

FIG. 1

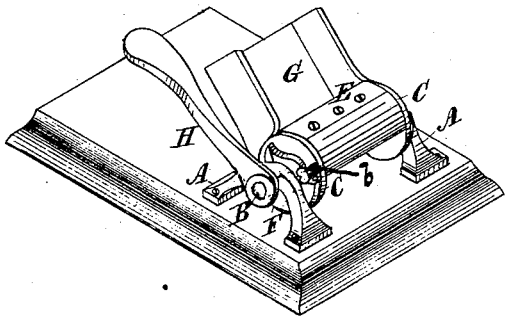
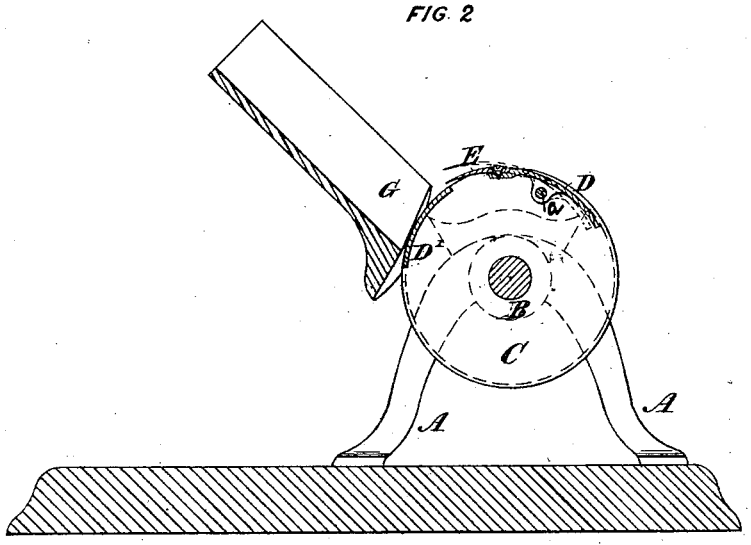


FIG. 2



Witnesses:-

J. B. Abbott

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James Lawrence Adams

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UNITED STATES PATENT OFFICE.

JAMES L. ADAMS AND JOSEPH G. BLONDIN, OF MONTREAL, CANADA; SAID BLONDIN ASSIGNOR TO SAID ADAMS.

IMPROVEMENT IN TOBACCO-CUTTERS.

Specification forming part of Letters Patent No. **167,288**, dated August 31, 1875; application filed May 20, 1875.

To all whom it may concern:

Be it known that we, JAMES LAWRENCE ADAMS and JOSEPH GEORGE BLONDIN, both of the city of Montreal, in the district of Montreal and Province of Quebec, Canada, have jointly invented a certain new and useful Improved Tobacco-Cutter; and we do hereby declare that the following is a full and exact description of the same.

Our invention has reference to tobacco-cutters used for shredding up plug tobacco.

The machine we have devised is cheap, simple, and effective. It dispenses with many of the complicated parts found in existing machines, and yet is so formed and constructed as to cause the cutter to act with great power and certainty on the tobacco. The knife moves in the arc of a circle, and for this purpose is supported between two disks, which are fixed to a shaft which can be turned by means of a handle. The knife is supported in journal-bearings, so that it may be tilted to regulate the size of the opening between it and the adjacent edge of the fixed plate, which serves to gage the thickness of the cut. The adjustment of the knife for this purpose is effected through the medium of a set or clamping screw, which serves as a means to tilt the knife, and also to clamp it tightly in position when the desired adjustment has been made.

For fuller comprehension, however, of our invention, reference must be had to the annexed drawings, in which similar letters of reference indicate like parts, and where—

Figure 1 is a perspective view of our invention, and Fig. 2 a longitudinal sectional elevation of the same.

A A are the parts forming the frame of the machine, having their feet secured in any suitable way to a board, and serving as bearings for a rotating shaft, B, upon which are mounted two disks, C C, to which are secured curved plates D D, arranged so as to form part of the periphery of a cylinder. To the plate D is secured, as shown, the knife E, arranged so as to leave between its cutting-edge and the edge of the plate D a space (which may be adjusted by means of the thumb-screw F) serving to gage the thickness of the tobacco cut. To permit of this adjustment, the knife-plate D is provided on its side edges with journals *a*, which rest and are supported in bearings in the disks C. The set-screw F screws into a boss on the knife-plate through a slot, *b*, in one of the disks, which slot is so formed and proportioned as to admit of the requisite movement therein of the set-screw, when the latter is loosened.

The knife-plate can thus be tilted on its journals to regulate at pleasure the size of the opening between the knife and the adjacent edge of the fixed plate D′.

G is a feeding-plane, preferably provided with sides, and set at any convenient angle, so as to allow the tobacco to be more easily brought in contact with the knife. H is a handle for rotating the shaft B.

The action of our invention requires no explanation, as it will, of course, be seen that by rotating the shaft B, slices of tobacco (the thickness of the space between the edges of the knife E and plate D) will be cut from the plug.

Having thus described our invention, what we claim is as follows:

The described machine for shredding tobacco, in which are combined the feeding-plane G, shaft B, disks C, and handle H with the fixed curved plate D′, and the knife-plate D, having journal-bearings in the disks, and adjustable by means of set-screw F to regulate the thickness of the cut, as set forth.

JAMES LAWRENCE ADAMS.
JOSEPH GEORGE BLONDIN.

Witnesses:
J. B. ABBOTT,
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