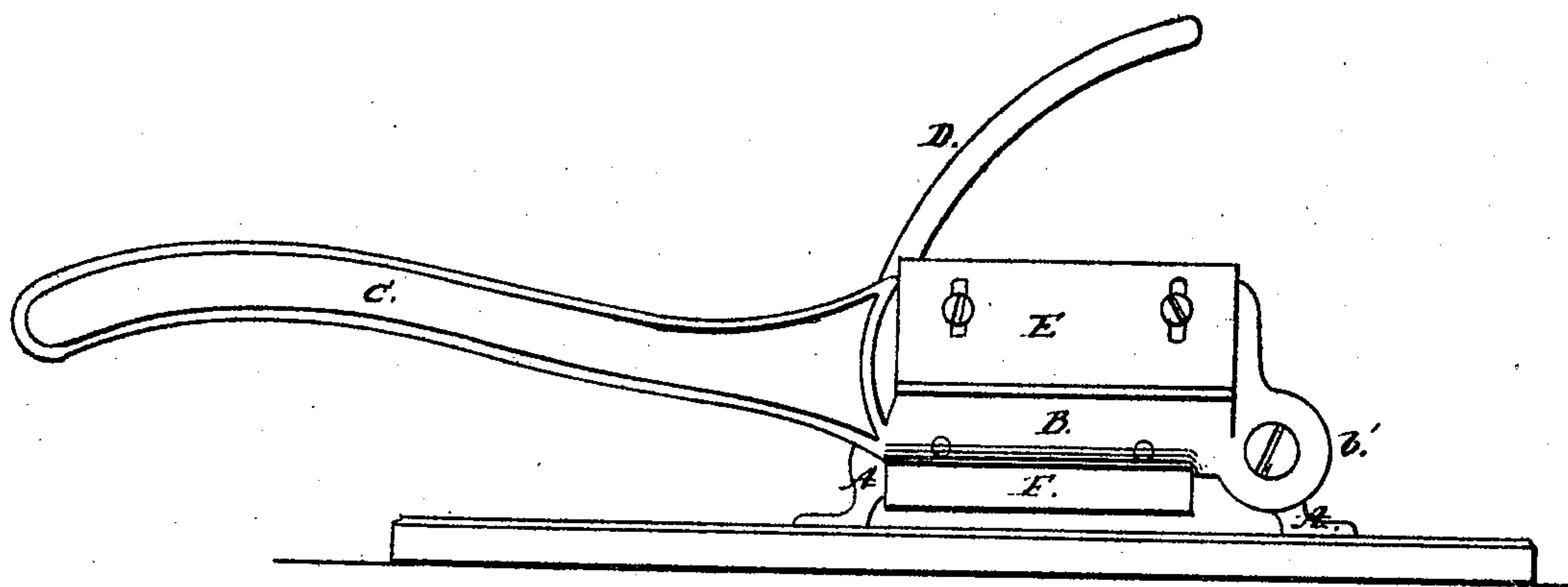
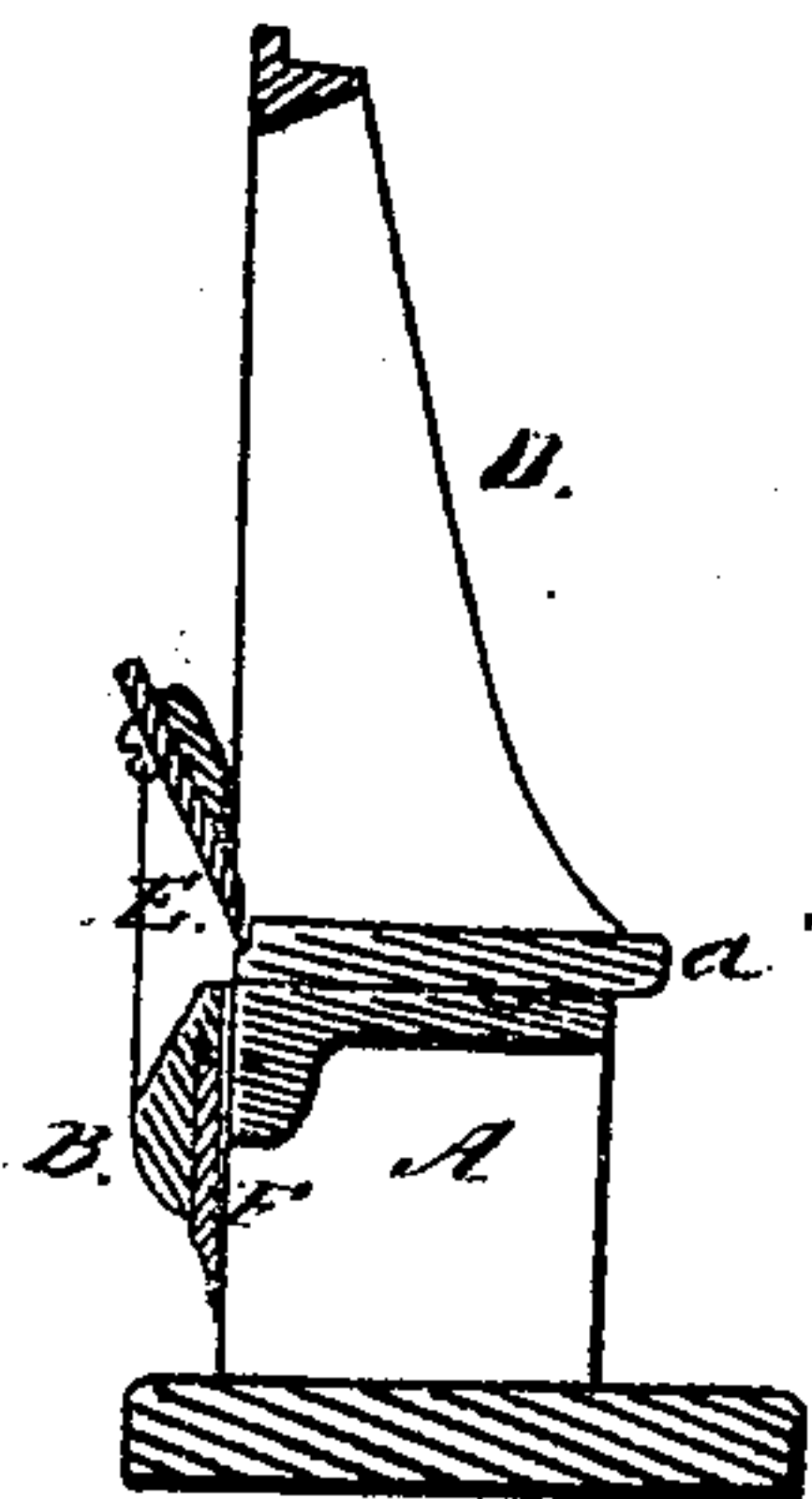


A. J. Rayner.

Tobacco-Cutter.

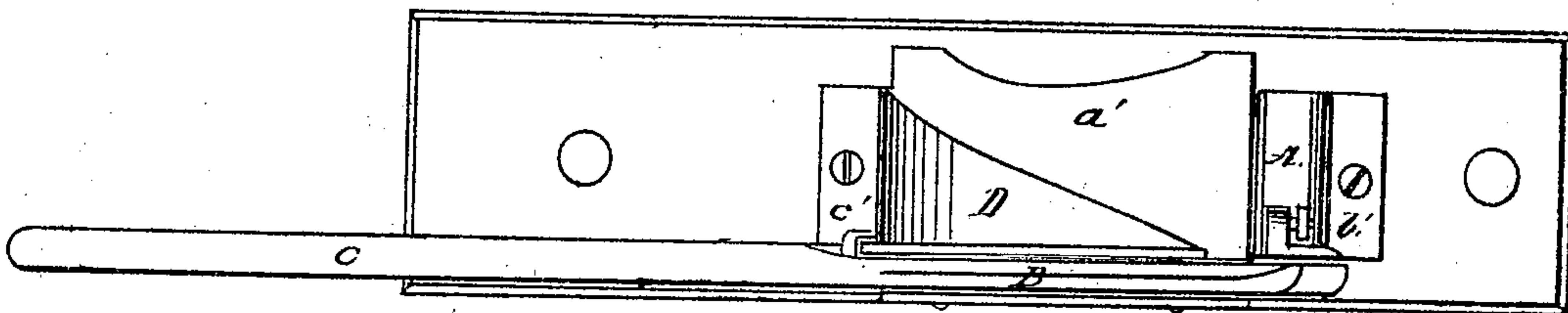
Nº 72757

Patented Dec. 31, 1867.



Witnesses:
Charles B. Guthrie
B. H. Muehle

A. J. Rayner



United States Patent Office.

ANDREW J. RAYNER, OF BUFFALO, NEW YORK.

Letters Patent No. 72,757, dated December 31, 1867.

IMPROVED TOBACCO-CUTTER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, ANDREW J. RAYNER, of the city of Buffalo, county of Erie, and State of New York, have invented a certain new and improved Tobacco-Cutter; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure I is a transverse vertical section.

Figure II is a side elevation.

Figure III is a top plan view.

The nature of this invention consists, first, in a tobacco-cutting machine, which may be used either for dividing large plugs of tobacco, or for cutting the same fine for smoking, as may be desired, and hence is a combined machine; second, in the construction and use of a guard or guide-rail, attached to or forming part of the stationary main frame of the machine, and having the shape of a segment of a circle, the centre of which is the fulcrum of the swinging cutter-frame, in combination with a hook or other projection upon the said swinging frame, by which means the movement of the cutter-frame is guided in a manner to insure the perpendicular descent of the knife upon the bed-plate.

In the accompanying drawings, letters of like name and kind refer to like parts in each of the figures.

A represents the main frame of the machine, which is made of cast iron, and firmly secured to the top of a table or counter. *a'* represents a wooden bed-plate or feed-table upon the said main frame. B represents the cutter-frame, which is hinged to the main frame, as shown at *b'*, and has upon one end a hand-lever or handle, C. D represents a curved guide-rail, which projects upwardly from the main frame, opposite the fulcrum *b'*, in the shape of a quarter of a circle, having the said fulcrum as a centre. A hook or other suitable projection is formed upon one side of the frame B, which is shown at *c'*. This clasps the guide-rail D in a manner to prevent the cutter-frame from moving sidewise, and insure a perpendicular descent of the knife. E and F represent the knives. One of them, E, is screwed to the outer side of the cutter-frame in a slanting position, its cutting-edge slightly projecting through a slot made longitudinally in the centre of the frame. It is made vertically adjustable upon the frame, in order to enable the operator to set it for a thicker or thinner cut. This knife, E, is used for slicing or cutting tobacco fine for the purpose of smoking in pipes. The other knife, F, is firmly screwed or riveted to the inner side of the cutter-frame, which is that nearest to the bed-plate or feed-table *a'*. This knife is used for the purpose of dividing large plugs of tobacco into smaller pieces, which cannot be done by means of a tobacco-cutter of common and now well-known construction.

My invention furnishes in one machine a means for both dividing plugs of tobacco into small pieces, and also for cutting them up fine for smoking-purposes—a combination which renders this machine the most convenient, cheap, and desirable article of its kind for the purpose for which it is intended.

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

1. A tobacco-cutting machine, having two knives, E and F, upon one hinged cutter-frame, B, arranged and operating substantially as herein described and for purpose set forth.
2. In combination with the above, the guide-rail D, and the projection *C'*, upon the cutter-frame B, constructed and operating in the manner and for the purpose substantially as described.

A. J. RAYNER.

Witnesses:

CHARLES B. GUTHRIE,

B. H. MUEHLER.