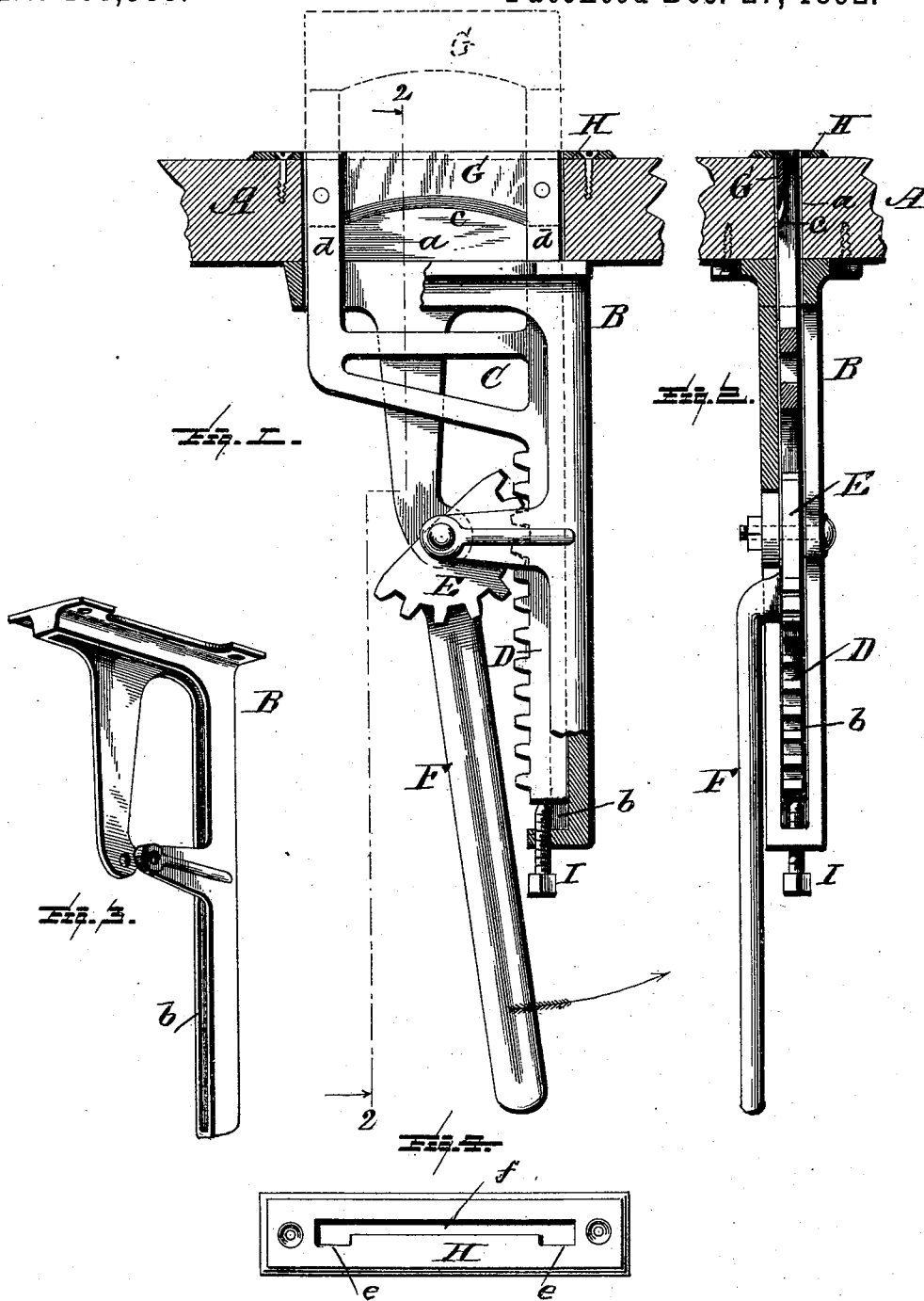


(No Model.)

O. E. TOOLE.
TOBACCO CUTTER.

No. 488,588.

Patented Dec. 27, 1892.



Witnesses
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UNITED STATES PATENT OFFICE.

OSWALD EDWIN TOOLE, OF HUNNEWELL, MISSOURI.

TOBACCO-CUTTER.

SPECIFICATION forming part of Letters Patent No. 488,588, dated December 27, 1892.

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To all whom it may concern:

Be it known that I, OSWALD EDWIN TOOLE, a citizen of the United States, residing at Hunnewell, in the county of Shelby and State of Missouri, have invented certain new and useful Improvements in Tobacco-Cutters; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

Figure 1 of the drawings represents a side elevation partly in section and showing the knife in an elevated position in dotted lines ready to be brought down upon the piece of tobacco to be cut. Fig. 2 a sectional elevation taken on line *zz* and looking in the direction of the arrows. Fig. 3 a detail view in perspective of the bracket for receiving the operating parts of the device. Fig. 4 a plan view of the slotted plate which is secured around the opening through which the knife passes.

The present invention has for its object to provide a simple and effective device for cutting tobacco and one in which the knife blade is made to operate through a slot in a counter, shelf, or other stationary object, and consists in the details of construction substantially as shown in the drawings and hereinafter described and claimed.

In the accompanying drawings A represents a portion of a counter, shelf, or other stationary object, having through it a slot as shown at *a* and to the under side of said object is firmly secured by screws or other well known means, a bracket B, which forms a guide for the knife-frame C and rack-bar D. This bracket may be of any suitable design and shape and has a groove *b* in which a portion of the knife-frame and rack-bar fit, and to this bracket is pivoted a segmental pinion E which is provided with a lever-handle F for raising and lowering the knife-frame in the operation of cutting. To the upper portion of the frame C is riveted or otherwise secured a blade G which preferably has a curved cutting edge *c* so that when brought down upon the tobacco it will give a shear-cut and thereby more effectually sever the piece of tobacco and produce a clear cut through the same. Around the opening *a* in the stationary object A is

secured a plate H which may be mortised into wood and fastened by screws or secured in any other preferred manner or connected as shown in the drawings. The bars *d* of the frame C form guides for the blade to which it is secured as said bars pass up through the openings *e* at the extremities of the slot *f*, thus steadying the blade G and rendering its action more effective.

Any suitable means may be employed for operating the knife and I therefore wish it understood that I reserve the right to make any change in the details of construction as would come within ordinary mechanical skill without departing from the principle of my invention. In order to have the upper edge of the knife-blade G and the ends of the arms *d* rest flush with the plate H, a set screw I is provided for the lower end of the rack-bar to rest on. It will therefore be seen that the set-screw performs what is considered an important office in this class of tobacco-cutters, in that it serves the purpose of a regulator for the knife blade and frame and adapts the device to counters or other like stationary objects which vary in thickness. After the device has been secured in place, the frame which carries the knife-blade is lowered just enough to bring the heel or upper edge of the blade flush or on the same horizontal plane with the top of the counter or other object or the slotted plate connected thereto. When in this position the set-screw is turned so that the end thereof will come in contact with the lower end of the rack-bar, thus forming a stop therefor to bring the frame and the knife-blade in position as shown in Figs. 1 and 2, after the operation of cutting. This feature of the invention is rendered necessary to the successful operation of the device, as should the knife-blade project above the top of the counter or other object to which the device is connected, it would be in the way and danger of persons cutting themselves and if the upper end or edge of the knife-blade came below the counter it would leave a receptacle for the accumulation of dust and dirt which would adhere to the tobacco.

Having now fully described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. In a tobacco-cutter, a stationary bracket having an upright guide-groove and a pinion pivoted to said bracket with means for operating it, in combination with a frame carrying at its upper end a knife-blade and adapted to work through a slot in a counter or other like stationary object, and a rack-bar upon the frame and movable within the guide-slot of the bracket, substantially as and for the purpose set forth.

2. In a tobacco-cutter, a stationary bracket and a vertically movable frame carrying a knife-blade adapted to work in a slot in a counter or other like stationary object, in combination with suitable means for operating the frame and knife-blade, and a set screw for regulating the position of the frame and blade with relation to the upper side or top of the counter or other stationary object, said screw being connected to the lower end of the

bracket and projecting within the guide-slot, substantially as and for the purpose described.

3. In a tobacco-cutter, a stationary bracket having a vertical guide-groove and a pinion pivoted to the bracket and provided with means for operating it and a set-screw connected to the lower end of said bracket, in combination with a movable frame adapted to work in a slot of a counter or other stationary object and having a rack-bar and knife-blade, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

OSWALD EDWIN TOOLE.

Witnesses:

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D. J. McMILLIN.