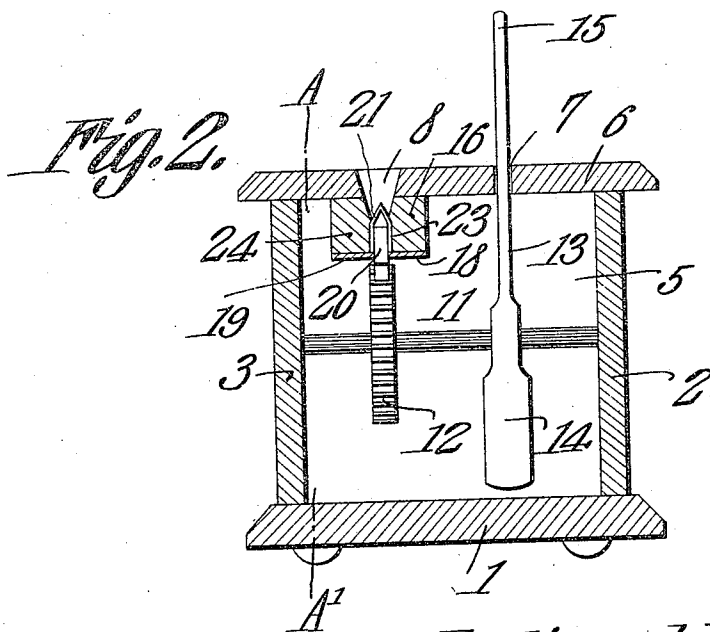


Patented Feb. 22, 1910.



Witnesses
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UNITED STATES PATENT OFFICE.

FERDINAND EYDEN AND HENRY P. EYDEN, OF WOOD RIVER, NEBRASKA, ASSIGNORS
OF ONE-FOURTH TO EDWARD J. EYDEN, OF LINCOLN, NEBRASKA.

CIGAR-CUTTER.

949,822.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, FERDINAND EYDEN and HENRY P. EYDEN, citizens of the United States, residing at Wood River, in the county of Hall, State of Nebraska, have invented a new and useful Cigar-Cutter, of which the following is a specification.

Our invention relates to cigar clippers and has for its object to provide a device of this character that will clip the end of a cigar in a V shape instead of clipping the end square off as in the usual style of cigar clippers.

Another object is to provide a device of this character that is simple in construction, has few parts to get out of order and one which will reduce the cost of manufacture to a minimum.

Still another object is to provide a device that will automatically return to operative position after each operation.

With these advantages and other objects in view, which will be described in the accompanying specification, and set forth in the claims, our invention embraces the structure illustrated in the accompanying drawing, wherein:—

Figure 1 is a longitudinal section through A—A' of Fig. 2. Fig. 2 is a cross section through B—B' of Fig. 1.

It is well known to every smoker that when a cigar end is clipped off square in the usual manner the wrapper is loosened and as soon as the cigar is lighted, the end becomes ragged and will be broken off in small pieces which cause the smoker a great deal of annoyance and detract from the pleasure of his smoke. To overcome this difficulty, we have devised a cigar clipper that will clip the end of the cigar in a V shape, whereby the cigar will not become ragged as soon as lighted and will draw better and provide a cleaner smoke than the ordinary square-clipped cigar.

Referring now to the drawings, a casing is shown having a bottom (1) from the opposite longitudinal edges of which rise the vertical side walls (2) and (3) and from the opposite end edges of which rise the vertical end walls (4) and (5). The upper edges of the side and end walls are connected by the top (6). The top has formed therein a longitudinal slot (7) disposed adjacent one side, and an annular opening (8) positioned adjacent one end. The projections

(9) and (10), constituting stops are provided at opposite ends of the slot (7).

Journalled in the opposite side walls (2) and (3) are the ends of a shaft (11). A spur gear (12) is keyed to the intermediate portion of the shaft between the side walls. At a point on the shaft adjacent the spur gear is keyed the lever (13). This lever is provided with a thickened portion constituting a weight (14) arranged to one side of the shaft and adapted to revolve the shaft backward. The opposite end of the lever extends through the slot (7) and provides a grip (15) for the hand of the operator.

A channeled block (16) is disposed longitudinally of the casing and is secured to the inner face of the top thereof. The channeled block is substantially rectangular in facial contour and has formed on its lower face a longitudinal recess (17) having vertical sides and an inverted V-shaped top. The guides (18) and (19) are secured to the bottom face of the channeled block and are disposed one on either side of the recess (17) and project over the inner edge of the recess a sufficient distance to form a seat for the cutting member.

The cutting member is made of metal and consists of a rack (20) and a cutting head (21). The rack is substantially rectangular in contour and its teeth mesh with the teeth of the spur gear (12). One end of the rack terminates in a tongue (22) adapted to secure the cutting head (21) to the rack. The cutting head corresponds in contour to the inverted V-shaped top of the recess (17) formed on the lower face of the channeled block, and is of a size to slidingly fit said recess. The opposed faces of the vertical sides (23) and (24) of the cutting head are adapted to engage the sides of the tongue (22) and are secured thereto by the screw (25).

The operation of the invention is as follows:—The end of a cigar is inserted in the annular opening in the top of the case, projecting through the apex of the V-shaped recess in the guide. The lever is pulled forward as soon as the cigar end is inserted in the opening, thereby causing the shaft and gear wheel to rotate forward. The teeth of the gear engaging the rack cause it and the cutting head secured thereon to travel forward in the grooved support, the cutting head in its travel passing through

the projecting end of the cigar and clipping out a V-shaped portion. The lever is now released and the weighted end causes the shaft and gear to rotate backward and the cutting member engaging the gear to travel backward and resume its normal position.

From the foregoing description, taken in connection with the accompanying drawing, the construction and operation of our invention may be easily understood, without a more extended explanation, it being understood that various changes in the form, proportion and minor details of the invention may be made within the scope of what is claimed, without sacrificing any of the advantages or departing from the spirit of the invention.

Having thus described our invention, what we claim is:—

1. In a cigar cutter, a cutter head having spaced bearing portions, the upper ends of which terminate in converging cutting portions, a rack combined with said cutter, a channeled guide adapted to conform with and to slidably receive the cutter, a gear adapted to mesh with said rack, and a weighted operating lever combined with said gear whereby to reciprocate said cutter.

2. In a cigar cutter, a cutter head having vertical bearing portions, the upper ends of which are bent inward, said bent portions

constituting a cutting edge, a rack suitably secured to said cutter, a channeled guide adapted to conform to the contour of the cutting head and to slidably support said cutting head, a gear disposed adjacent and adapted to mesh with said rack, and an operating lever combined with said gear, said operating lever having a lateral weight formed at one end, said weight being adapted to gravitate and reciprocate said cutter.

3. In a cigar cutter, a cutter head having sloping cutting portions, combined with vertical bearing portions, a rack combined with said cutter, a channeled guide adapted to receive the end of a cigar, a shaft disposed near said rack, a spur gear secured on said shaft and adapted to engage the teeth of said rack, and an operating lever adapted to rotate said shaft, said operating lever having a weighted end adapted to gravitate and return the parts to normal position.

In testimony that we claim the foregoing as our own, we have hereto affixed our signatures in the presence of two witnesses.

FERDINAND EYDEN.
HENRY P. EYDEN.

Witnesses:

W. S. HARDING,
JAY C. LEFTEN.