

(No Model.)

J. A. SWEETING.
DEVICE FOR ROLLING CIGARETTES.

No. 594,501.

Patented Nov. 30, 1897.

Fig 1

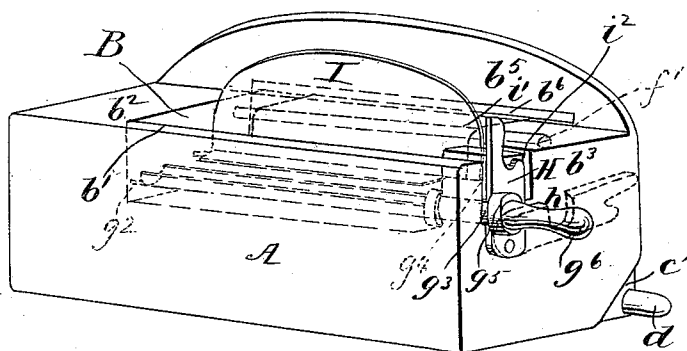


Fig 2

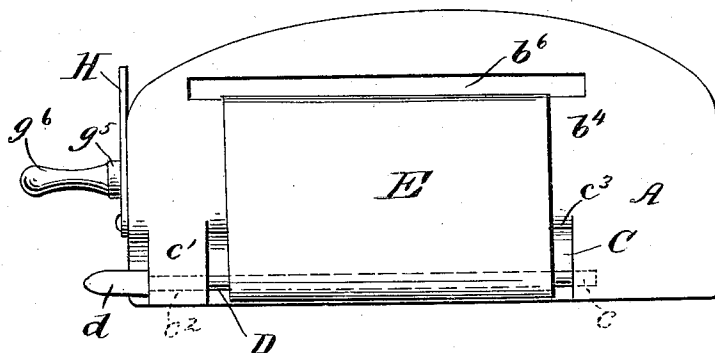


Fig 3

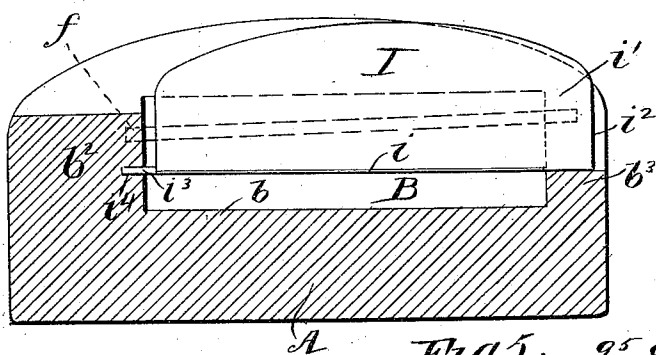


Fig 4

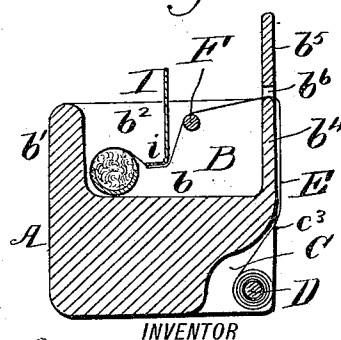


Fig 5

WITNESSES:
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Fig 5: A detail view of the lever mechanism. It shows the handle I and the lever mechanism. Various parts are labeled: 9^1, 9, 9^2, 9^3, 9^4, 9^5, 9^6, 9^7, 9^8, 9^9, 9^10, 9^11, 9^12, 9^13, 9^14, 9^15, 9^16, 9^17, 9^18, 9^19, 9^20, 9^21, 9^22, 9^23, 9^24, 9^25, 9^26, 9^27, 9^28, 9^29, 9^30, 9^31, 9^32, 9^33, 9^34, 9^35, 9^36, 9^37, 9^38, 9^39, 9^40, 9^41, 9^42, 9^43, 9^44, 9^45, 9^46, 9^47, 9^48, 9^49, 9^50, 9^51, 9^52, 9^53, 9^54, 9^55, 9^56, 9^57, 9^58, 9^59, 9^60, 9^61, 9^62, 9^63, 9^64, 9^65, 9^66, 9^67, 9^68, 9^69, 9^70, 9^71, 9^72, 9^73, 9^74, 9^75, 9^76, 9^77, 9^78, 9^79, 9^80, 9^81, 9^82, 9^83, 9^84, 9^85, 9^86, 9^87, 9^88, 9^89, 9^90, 9^91, 9^92, 9^93, 9^94, 9^95, 9^96, 9^97, 9^98, 9^99, 9^100.

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UNITED STATES PATENT OFFICE.

JAMES A. SWEETING, OF NEW YORK, N. Y.

DEVICE FOR ROLLING CIGARETTES.

SPECIFICATION forming part of Letters Patent No. 594,501, dated November 30, 1897.

Application filed October 14, 1896. Serial No. 608,852. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. SWEETING, a subject of the Queen of Great Britain, and a resident of New York city, county of New York, and State of New York, have invented certain new and useful Improvements in Devices for Rolling Cigarettes, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to a device for rolling cigarettes; and it has for its object to provide a simple and improved device of this class which will enable the rolling of cigarettes by the ordinary user with facility and convenience and which will, furthermore, possess advantages in point of convenient operation, effectiveness, and general efficiency.

In the drawings, Figure 1 is a perspective view of a cigarette-rolling device embodying my invention. Fig. 2 is a rear elevation. Fig. 3 is a vertical longitudinal sectional view. Fig. 4 is a vertical transverse sectional view. Fig. 5 is a detail perspective view of the mandrel or former.

Referring to the drawings, A designates the frame or body of the device, which is preferably in the form of an approximately-rectangular block provided with a top recess or chamber B of approximately-rectangular contour and having the bottom b , from which rises (see Fig. 4) a front wall b' , an end wall b^2 , an opposite end wall b^3 , and a rear wall b^4 , which latter preferably extends vertically above the block or body, as at b^5 , and is provided with a longitudinal slot b^6 , through which the paper is adapted to be fed into the chamber B.

In the rear side of the block or body A, at the bottom, is provided a recess C, in the inner end wall of which is formed a recess c , while the outer wall, as shown at c' , is provided with a transverse eye or opening c^2 . Inserted and bearing in the opening c^2 and recess c is a pin or shaft D, carrying a roll of paper E, said shaft being provided with a head d at its outer end, by which it may be conveniently operated to govern the movement of the paper. The top surface or edge c^3 of the recess c is preferably curved or beveled, so that the paper E will readily feed over the same, up against the back wall b^4 , through

the slot b^6 , and forwardly over a transverse roller F, extending across the chamber B at the top. This roller is preferably removable, one end being inserted and bearing in a recess f in the end wall b^2 , while its opposite end rests in a recess f' in the top edge of the end wall b^3 .

G designates a removable mandrel or former which embodies a concaved semicylindrical stem g , having a projecting lug or pin g' at its end, which is adapted to bear in a recess g^2 , formed in the side wall b^2 near the bottom and at the front of the chamber B. The opposite end of the mandrel or former is provided with a cylindrical portion g^3 , adapted to bear in the bottom of a vertical slot or recess g^4 in the end wall b^3 and provided with circumferential shoulders g^5 g^5 , by which the mandrel is locked in position against accidental longitudinal displacement. Projecting beyond the cylindrical bearing portion g^3 is a handle g^6 , by which the mandrel may be conveniently turned.

To lock the mandrel in operative position, I provide a pivoted catch or plate H, pivotally mounted upon the end of the block or body A and provided with a segmental recess h , adapted to engage the cylindrical bearing portion g^3 of the mandrel. (See Fig. 1.)

I designates a guide-plate or supplementary former, which is vertically arranged within the chamber B between the mandrel and guide-roller F and extends transversely across said chamber, the bottom edge i of said plate being turned at right angles to its main portion to form a flange, under which the paper is adapted to pass and which will operate in relation to and conjunction with the mandrel in the operation of rolling the cigarette.

To mount the plate I in position, one of its side edges i is received by a vertical slot or recess i^2 , formed in the end wall b^3 just back of the slot g^4 , while the opposite end of the plate is provided at its bottom with a projecting pin or stud i^3 , received by a recess i^4 in the side wall b^2 .

In practice the concaved or semicylindrical stem of the mandrel is filled with the tobacco and the edge of the paper is wrapped around the mandrel, when by turning the mandrel the cigarette is perfectly and conveniently formed, then by wetting the paper with the

finger along the line of the roller and by a further turning of the mandrel the tension thereon will separate the paper in a straight line and the wet portion of the wrapper coming in contact with the formed cigarette will adhere to it and prevent unwinding of the wrapper.

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

1. A device for rolling cigarettes, comprising the frame or body embodying therein a rotary mandrel or former having a concave or semicylindrical stem, the guide-plate mounted in rear of and with relation to said mandrel and provided with the angular bottom edge or flange *i*, and guide mechanism arranged in rear of said plate and adapted to direct the paper, substantially as and for the purpose set forth.

2. A device for rolling cigarettes, comprising the frame or body having the top chamber, a rotary mandrel or former mounted within said chamber and provided with a concave or semicylindrical stem, a guide-plate mounted within said chamber in rear of and with relation to said mandrel and provided with the angular bottom edge, and mechanism carried by said frame or body adapted to support and guide the paper under the angular edge of the guide-plate to the mandrel, substantially as and for the purpose set forth.

3. A device for rolling cigarettes, comprising the block or body having the top chamber and the slotted rear wall, the pin or shaft mounted at the rear of said body and adapted to carry a roll of paper, the rotary mandrel or former mounted within said chamber and provided with the concave or semicylindrical stem, and the guide-plate mounted in the chamber in rear of and with relation to the rotary mandrel and provided with the angular bottom edge, the relative construction and arrangement being such that the paper is adapted to be drawn from the rear of the device through the slotted rear wall and under the angular edge of the guide-plate by the mandrel, substantially as and for the purpose set forth.

4. A device for rolling cigarettes, comprising the block or body provided with a top chamber B having the slotted rear wall and

the recessed and slotted end walls, substantially as set forth, and provided with the recess C at the back, the pin or shaft mounted in said back recess and adapted to carry a roll of paper, the rotary mandrel bearing in the slotted or recessed end walls of the chamber and provided with the concave or semicylindrical stem, means for locking said mandrel in position, the guide-plate mounted in the slotted or recessed side walls of the chamber in rear of and with relation to the mandrel and provided with the bottom edge *i* and the transverse roller or guide devices for guiding the paper under the bottom edge of said plate, substantially as and for the purpose set forth.

5. A device for rolling cigarettes, comprising the block or body having the top chamber, a rotary mandrel or former mounted in said chamber at the bottom and front end thereof, a guide-plate mounted in the chamber in rear of the mandrel and provided with a bottom edge projecting with relation to the latter, and guide devices for directing the paper under the bottom edge of said plate to the mandrel substantially as and for the purpose set forth.

6. A device for rolling cigarettes, comprising the block or body provided with the top chamber B having the slotted or recessed end walls, substantially as set forth, the removable mandrel or former having the concave or semicylindrical stem and bearing in the slotted and recessed walls of the chamber and provided with an operating-handle projecting from the block or body, the guide-plate mounted in the slotted and recessed walls of the chamber and having the angular bottom edge *i* projecting with relation to the mandrel, and a roller or guide device mounted in said chamber and adapted to guide the paper under the bottom edge of the plate to the mandrel, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 8th day of October, 1896.

JAMES A. SWEETING.

Witnesses:

O. C. WINGE,
C. SEDGWICK.