

No. 672,472.

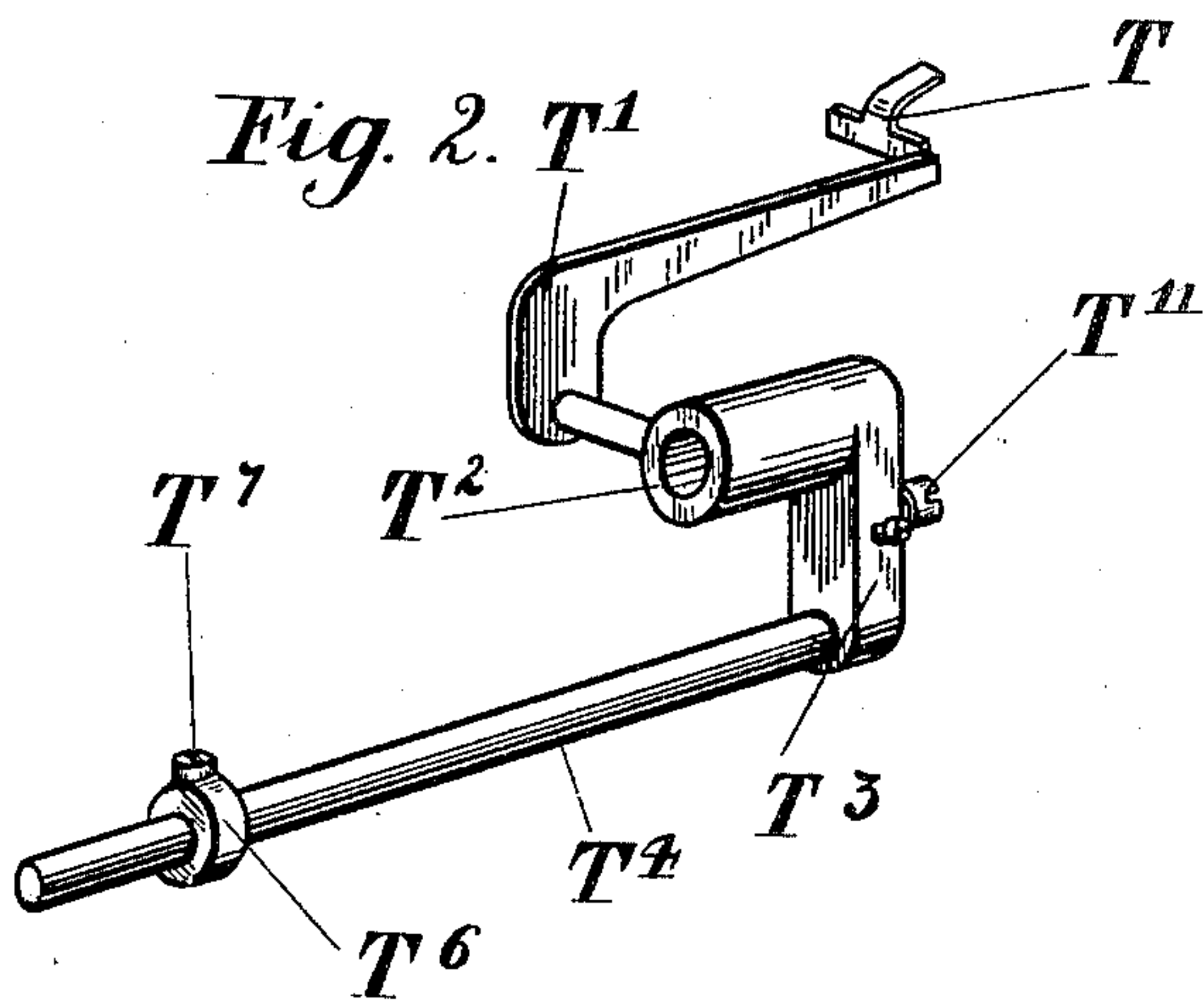
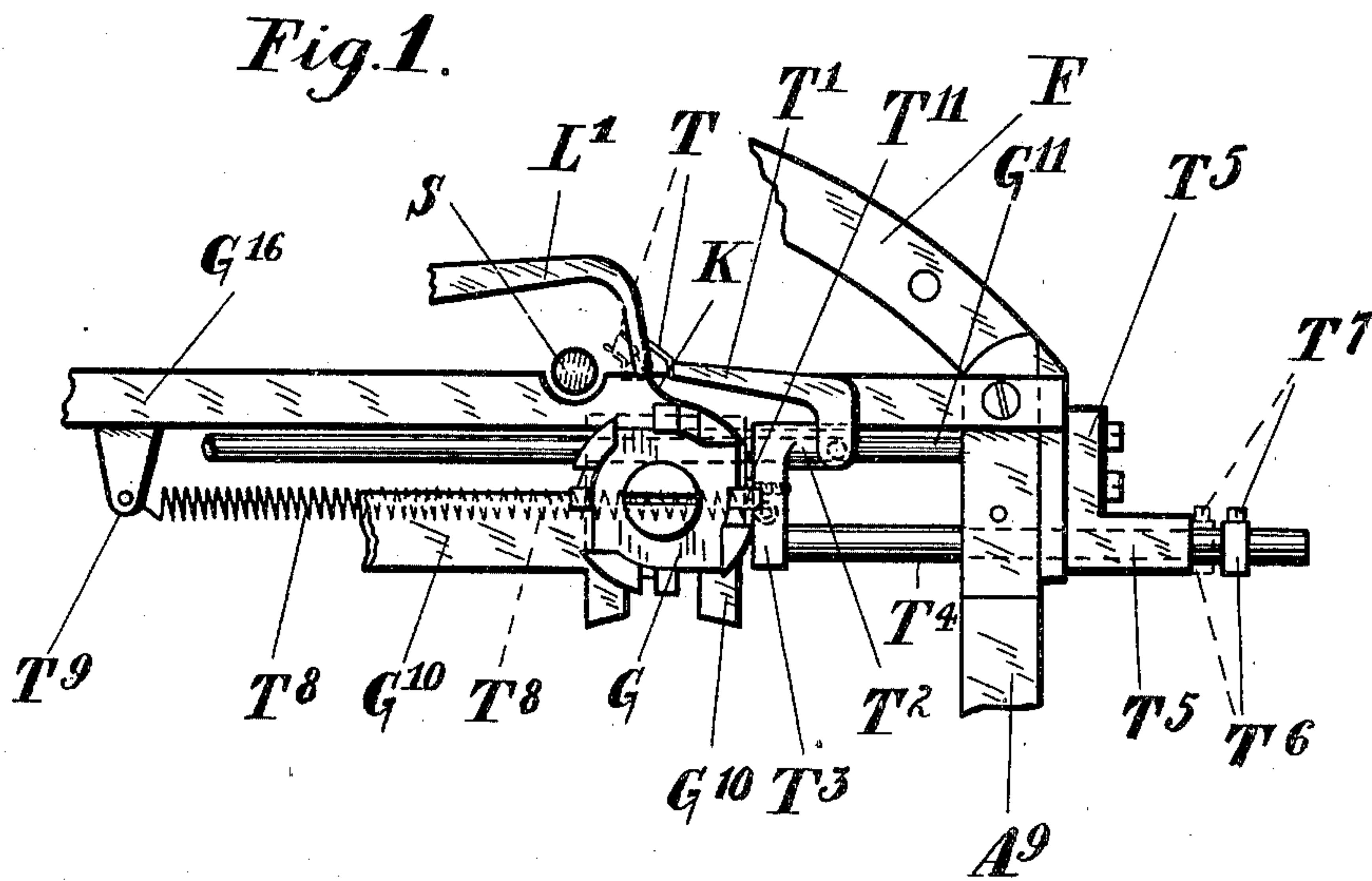
Patented Apr. 23, 1901.

J. S. BEEMAN.

CIGARETTE MOUTHPIECE APPLYING MACHINE.

(Application filed Feb. 5, 1901.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

JOSEPH SAMUEL BEEMAN, OF LONDON, ENGLAND.

CIGARETTE-MOUTHPIECE-APPLYING MACHINE.

SPECIFICATION forming part of Letters Patent No. 672,472, dated April 23, 1901.

Application filed February 5, 1901. Serial No. 46,138. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH SAMUEL BEEMAN, a subject of the King of England, residing at 182 Earl's Court road, London, England, have invented certain new and useful Improvements in or Relating to Cigarette-Mouthpiece-Applying Machines, (for which applications have been made in France, Serial No. 294,113, filed November 27, 1900; in Belgium, Serial No. 121,481, filed November 27, 1900; in Germany, Serial No. 28,123 III/79, filed November 27, 1900; in Hungary, Serial No. 16,488, filed November 27, 1900; in Italy, Serial No. 727, filed November 27, 1900, and in Austria, Serial No. 618, filed November 27, 1900,) of which the following is a specification.

This invention relates to improvements in cigarette-mouthpiece-applying machines which apply a strip of cork, paper, tobacco-leaf, or like material coated with an adhesive, as a tip, to the end of the cigarette.

The present invention has particular reference to machines such as are described in the specification of my prior United States patent, No. 662,389, dated November 27, 1900. Machines of this type comprise the following chief elements: A holder for the cigarette, a retainer to which a strip is caused to temporarily adhere, means for supplying an adhesive or moistening agent to the retainer, means for presenting a strip to and contacting it with the retainer, and a lifting device which disengages the strip or a portion thereof from the retainer and brings its under surface into contact with the cigarette to which it is to be applied.

According to this invention a reciprocating guard is added to the machine in order to keep the strip in its proper position ready to be applied to the cigarette when the strip is raised from the retainer by the lifting device.

In the accompanying drawings, Figure 1 is an elevation showing a portion of a machine provided with a reciprocating guard according to this invention, and Fig. 2 is a perspective view of the guard seen from the back.

Like letters indicate like parts throughout the drawings, and where possible such letters correspond for the sake of clearness with those indicating similar parts in the drawings in my United States Patent No. 662,389.

With reference first to Fig. 1, A⁹, F, and G¹⁶

are portions of the stationary frame of the machine, and G is a rotatable retainer carried upon a reciprocating support G¹⁰. The retainer G is automatically moistened, preferably with an adhesive, and supplied with strips K of cork or other suitable material. When one of these strips has been carried by the movement of the retainer G into its proper position, it is lifted, as shown in Fig. 1, by a lifting device L' and brought by the continued movement of the retainer and the lifting device into proximity with a cigarette S. The lifting device then allows the strip K to be brought into contact with the cigarette, around which it is wrapped to form a tip. The various mechanisms which bring about the above-mentioned operations are not described or illustrated, as they form no part of the present invention and are clearly set forth in my prior United States patent above mentioned.

In order that when the front end of the strip K is raised from the retainer G by the lifting device L' it shall be kept in its proper position and be prevented from turning back upon itself, a guard T is provided. This guard is carried by an arm T', attached to a sleeve T², which is free to slide upon a guide G¹¹. Secured to a lug T³ on the sleeve T² is a rod T⁴, which passes through a hole in a bracket T⁵, attached to the standard A⁹, and is provided outside the bracket with a collar T⁶, which may be secured in any desired position upon the rod by means of a set-screw T⁷. To the lug T³ is attached one end of a spiral spring T⁸, the other end of which is fastened, as at T⁹, to a portion G¹⁶ of the stationary frame. This spring T⁸ tends to keep the lug T³ or a screw T¹¹, inserted in it, in contact with the end of the frame G¹⁰, so that the guard T will follow the motion of the retainer G, except at that part of its stroke where the latter moves under the cigarette to bring the raised strip into contact therewith. The function of the collar T⁶ is to prevent the guard T following the retainer at this portion of its stroke, and the dotted position of the guard (shown in Fig. 1) indicates approximately the minimum distance between it and the cigarette S.

I claim—

1. In a cigarette-mouthpiece-applying machine the combination of a retainer to which

a strip is caused to adhere, a lifting device to disengage the strip from the retainer and a guard to keep the strip in its proper position when lifted substantially as set forth.

- 5 2. In a cigarette-mouthpiece-applying machine the combination of a retainer to which a strip is caused to adhere, a reciprocating support for the retainer, a lifting device to disengage the strip from the retainer, a guard
10 mounted with freedom to slide upon guides and in contact with the reciprocating support,

a spring to cause the return movement of the guard and a stop to limit such return movement substantially as set forth.

In testimony whereof I have signed my 15 name to this specification in the presence of two subscribing witnesses.

JOSEPH SAMUEL BEEMAN.

Witnesses:

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