

R. SCHMITT.
CIGAR MAKING MACHINE.
APPLICATION FILED MAY 6, 1911.

1,025,885.

Patented May 7, 1912.

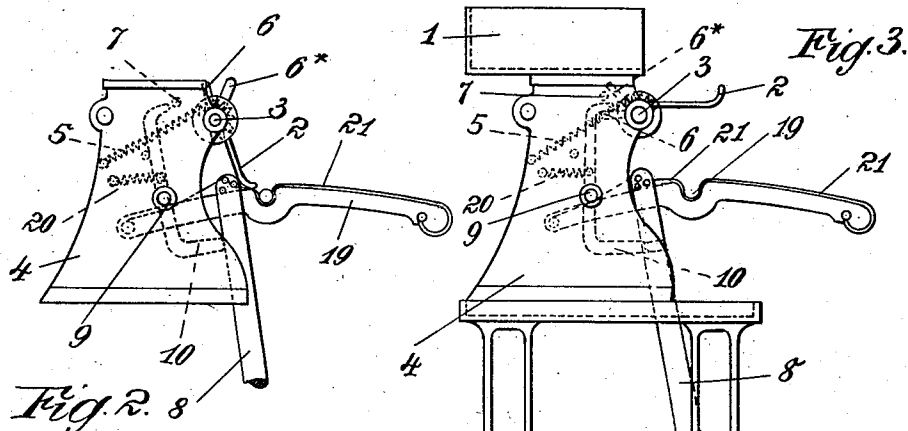


Fig. 1.

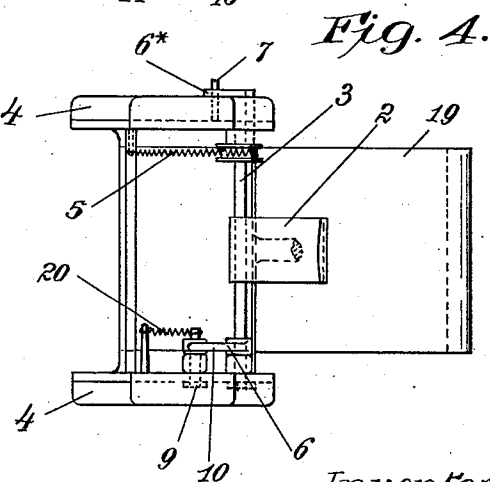
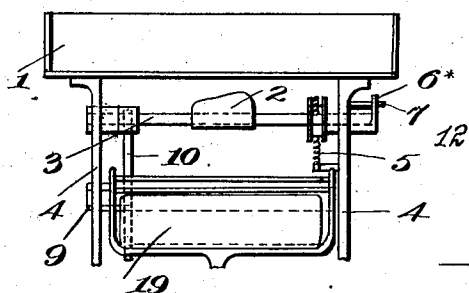
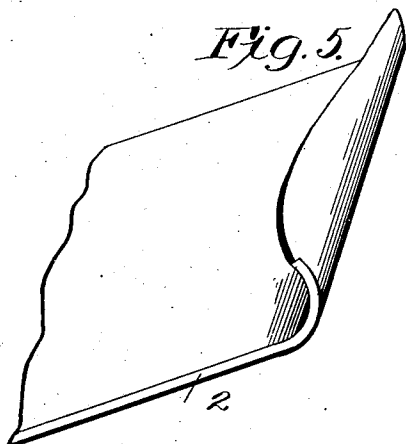


Fig. 5.



Witnesses
Edwin J. Bellev.
J. S. Smith

Inventor.
Rudolf Schmitt.
W. D. Dickinson & Co. Attorneys

UNITED STATES PATENT OFFICE.

RUDOLF SCHMITT, OF FRANKFORT-ON-THE-MAIN, GERMANY, ASSIGNOR TO THE FIRM OF MASCHINENFABRIK SCHNARR & SCHMITT, OF FRANKFORT-ON-THE-MAIN, GERMANY.

CIGAR-MAKING MACHINE.

1,025,885.

Specification of Letters Patent.

Patented May 7, 1912.

Application filed May 6, 1911. Serial No. 625,536.

To all whom it may concern:

Be it known that I, RUDOLF SCHMITT, engineer, a subject of the German Emperor, and resident of Frankfort-on-the-Main, Germany, with the post-office address Rotlintstrasse 45, have invented new and useful Improvements in Cigar-Making Machines, of which the following is a specification.

In machines for rolling cigars it is customary to employ a templet arranged above the rolling cloth, on which the bunch is shaped by hand before it reaches the rolling cloth. Inasmuch, however, as the templet is a fixture, an alteration in the shape of the bunch is very liable to occur when the bunch is removed from the templet and placed on the cloth.

It has been proposed to employ devices for preliminarily molding the bunch which, for transferring the bunch to the rolling cloth, have to be turned over through an angle of about 180° during which operation the bunch is apt to open out as it cannot be held by the hand.

According to my invention the templet is arranged directly over the rolling cloth in such manner that it only needs to be tilted through a small angle in order to bring it into contact with the rolling cloth and hence, when once the bunch has been shaped, it can be held firmly by the hand until it has been pressed into the trough of the rolling table so that any risk of its becoming deformed or springing open again is obviated. The templet is provided with a releasing device which frees it at the right moment.

The invention is illustrated in the accompanying drawings wherein—

Figure 1 is a front elevation of the cigar rolling machine, while Figs. 2 and 3 are side elevations showing the fore-molding plate in its two extreme positions. Fig. 4 is a plan, and Fig. 5 is a perspective view of the fore-mold plate.

The tobacco which is contained in a suitable receptacle 1 is placed by hand on the inner portion of the fore-mold plate 2. Said plate 2 is mounted on the shaft 3 and said shaft is journaled in the two side frames 4 of the machine.

5 is a spiral spring normally tending to swing the fore-mold plate 2 in the horizontal position and 6* is an arm projecting from the shaft 3 which prevents excessive rear-

ward movement of the plate 2 beyond the horizontal position by coming into contact with a stop 7. The fore-mold plate 2 is retained during the shaping of the bunch by a catch 10 which is mounted on a pivot 9 and engages a pin 6 projecting from the shaft 3, this detention being effected when the rolling lever 8 attains its rearward end position by engaging the lower end of the catch 10. The lever 8 is in the form of a bell-crank lever, and is secured on the shaft 11 which is pivotally mounted in the two side frames 12 and 13 of the machine. 14 is a link engaging at the point of rotation 15 of the bell-crank lever 8 and jointed at 16 to a treadle 17 which is supported on the shaft 18 also pivotally mounted in the side frames 12 and 13.

To transfer the tobacco, that has been shaped on the fore-mold plate 2, into the trough of the rolling table 19, the treadle 17 is pressed downwardly to impart to the rolling lever a forward movement. On the advance of the lever 8 the catch 10 engaged thereby and which swings on the pivot 9 is drawn backwardly by a spring 20, so that the fore-mold plate 2 with the hand-molded filler may be depressed until the bent forward edge of the plate 2 comes into position directly behind the trough of the rolling table 19 (upon the rolling cloth 21 of which the wrapper has been previously laid) whereupon the tobacco is pressed by hand on to the portion of the wrapper lying in the trough. On the treadle 17 being moved farther and the lever 8 passing over and beyond the trough, the rolling of the bunch proceeds in the usual manner.

What I claim and desire to secure by Letters Patent is:

1. In a cigar rolling machine, the combination of a rolling cloth, a fore-mold plate pivotally mounted above said rolling cloth, a rolling lever, a projecting pin connected with said fore-mold plate, and a catch for engaging with said pin to retain said fore-mold plate, and said rolling lever adapted to release said pin from the catch, substantially as described.

2. In a cigar rolling machine the combination with a rolling cloth of a rotatably mounted shaft thereabove, a fore-mold plate carried by the shaft, a spring tending to swing said plate upwardly, an arm projecting from the shaft and a stop for the arm

to limit the upward movement of the plate, a rolling lever, and a catch operated by the rolling lever for holding the fore-mold plate in its normal position, substantially as and 5 for the purpose described.

3. In a cigar rolling machine the combination with a rolling cloth of a rotatably mounted shaft thereabove, a fore-mold plate carried by the shaft, a spring tending to 10 swing said plate upwardly, an arm projecting from the shaft and a stop for the arm to limit the upward movement of the plate, a rolling lever, a pin projecting from said shaft, a catch actuated by the rolling lever 15 into engagement with the pin to hold the fore-mold plate in its normal position, and a spring for disengaging the catch from said pin when the catch is released by the rolling lever, substantially as and for the purpose 20 described.

4. In a cigar rolling machine the combination of a table provided with a trough in its upper face, a rolling cloth over the

table, and a fore-mold plate pivotally supported above the rolling cloth and adapted 25 to cooperate with the trough whereby the form of the bunch can be retained until it is deposited in the trough, substantially as described.

5. In a cigar rolling machine the combination of a table provided with a trough 30 in its upper face, a rolling cloth over the table, a fore-mold plate pivotally supported above the rolling cloth and adapted to cooperate with the trough, a rolling lever, and 35 means actuated by the rolling lever for holding the fore-mold plate in its normal position, substantially as described.

In testimony, that I claim the foregoing as my invention, I have signed my name in 40 presence of two witnesses, this 25th day of April, 1911.

RUDOLF SCHMITT.

Witnesses:

CARL WEIHE,
EVA SATTLER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
