

(No Model.)

G. H. ZINK.
POCKET CIGARETTE MACHINE.

No. 489,357.

Patented Jan. 3, 1893.

Fig. 1.

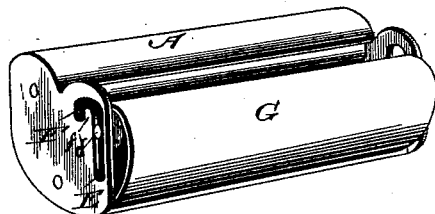


Fig. 2.

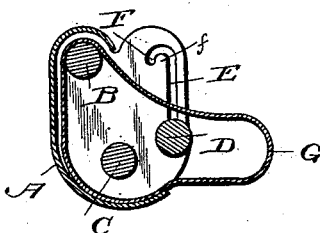


Fig. 3.

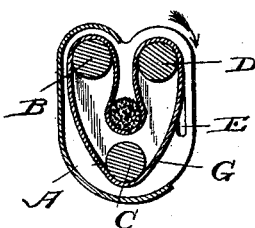
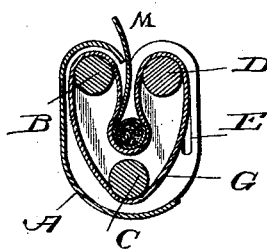


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE H. ZINK, OF GENEVA, NEBRASKA.

POCKET CIGARETTE-MACHINE.

SPECIFICATION forming part of Letters Patent No. 489,357, dated January 3, 1893.

Application filed May 9, 1892. Serial No. 432,344. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. ZINK, a citizen of the United States, residing at Geneva, in the county of Fillmore and State of Nebraska, have invented certain new and useful Improvements in Pocket Cigarette-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in cigarette rolling machines, and the object of the invention is to provide a simple and compact device by which the user can quickly and easily roll together a wrapper and filler to produce a cigarette.

With these ends in view my invention consists of the combination of a casing or shell provided in its end walls with parallel slots each having an arc shaped offset, a pair of stationary or fixed rollers arranged within said casing, a movable roller having its trunnions journaled in the slots in the ends of the casing, and an endless apron passing around said movable and stationary rollers.

My invention consists, further, in the peculiar construction and arrangement of parts as will be hereinafter more fully described and claimed.

In the accompanying drawings—Figure 1 is a perspective view of a machine constructed in accordance with my invention; Fig. 2 is a transverse sectional view through the machine showing the bight in the apron empty; Fig. 3 is a similar view after the tobacco has been compacted by the rollers and apron, and Fig. 4 is a similar view showing the paper or wrapper being wound around the tobacco roll.

Like letters of reference denote corresponding parts in the several figures of the drawings, referring to which:—

A designates the inclosing shell or case which is made of any suitable material and form, preferably of sheet metal and in the generally rectangular form shown, with the curved bottom and top sides.

Within the casing A are arranged two stationary or fixed rollers B, C, said rollers being journaled in the end walls of the casing. The roller B is arranged in the upper rear part of the interior of the casing A and the roller C

is arranged below and in advance of the roller B. A third but movable roller D, is arranged in advance of the rollers B, C, the ends of said roller being provided with trunnions *d* which ride or fit in parallel slots E, E, formed in the end walls of the casing A. The slots E, E, are each provided at their upper ends with lateral offsets *F* which are of the arc shaped form shown, the main part of each slot being separated from its arc shaped end thereby by a lug or projection *f*.

An endless apron G extends around the movable roller D and stationary rollers B, C.

In using my improved machine, the movable roller is raised in the arc shaped ends *F* of the slots sufficiently to clear the upper end of the dividing lug *f* and said roller is moved into the position shown in Fig. 2. The proper quantity of tobacco is then introduced into the bight L formed in the apron G between the rollers B and D, and said movable roller is then returned to its original position in the arc shaped ends of the slots as shown in Fig. 3. The machine is then held between the thumb and first finger of each hand and the movable roller is rotated in the direction indicated by the arrow in Fig. 3. As the roller D is rotated, the apron G and rollers B, C, are also rotated and the tobacco in the bight L of the apron is compactly rolled into a cylindrical form of uniform size. After the roller D has been revolved a few times, one edge of a wrapper M of the desired size is inserted between the upper forward edge of the casing A and the movable roller D. Said movable roller is then revolved a few more times to wrap the paper closely around the compact roll of tobacco within the bight of the apron, the upper edge of the paper being moistened slightly before it is wholly drawn into the casing A. The roller D is then raised to clear the lugs *f* and as it falls into the position shown in Fig. 2 the cigarette can be easily removed from the apron or belt G.

It will thus be seen that I have provided a simple and easily operated machine which is so compact as to be easily carried in the pocket and which is not liable to be broken or otherwise rendered inoperative.

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

1. A cigarette roller, consisting of an inclosing shell or case provided in its end walls with parallel slots, stationary rollers arranged within said shell or case, a movable roller provided at its ends with trunnions which fit in the slots in the end walls of the shell, and an endless belt or apron passing around the stationary and movable rollers, substantially as described.
2. A cigarette roller, consisting of an inclosing shell or case having the slots, provided with the lateral offsets, in the end walls, stationary rollers arranged within the casing, a movable roller provided with gudgeons which fit in the slots in the end walls of the casing, and an endless apron or belt passing around the movable and stationary rollers, substantially as described.

3. A cigarette roller, consisting of a case or shell having in its end walls the parallel slots each provided with an arc shaped offset extending to one side of the length of the slot, stationary rollers journaled in the ends of the case or shell at one side of the slots therein, a movable roller having its trunnions fitted and free to move in the slots in the ends of the case or shell, and an apron fitted around all of the rollers and having a bight provided between the movable rollers and one of the fixed rollers, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE H. ZINK.

Witnesses:

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A. B. PAYTON.