

(No Model.)

A. F. MADDEN.  
CIGARETTE ROLLER.

No. 571,778.

Patented Nov. 24, 1896.

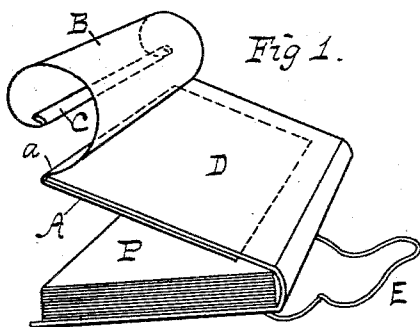


Fig 1.

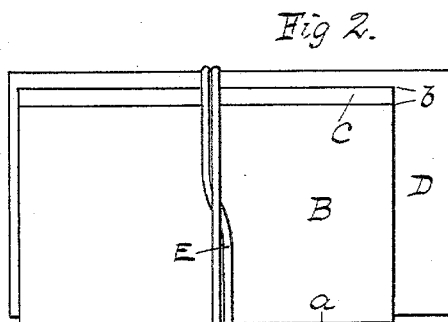


Fig 2.

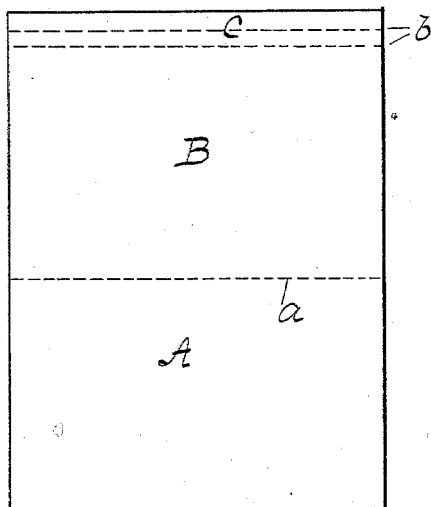


Fig. 6.

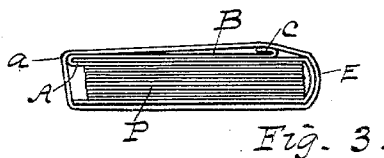


Fig. 3.

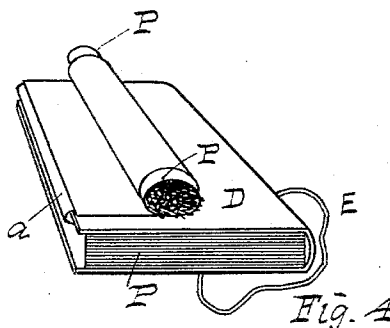


Fig. 4

Witnesses:

J. Landring  
George H. Sommers

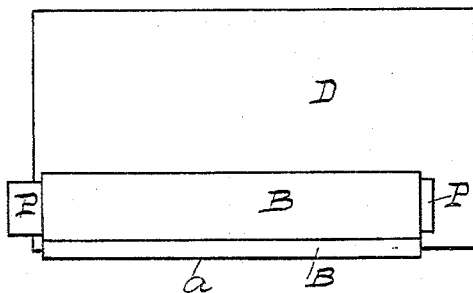


Fig. 5.

Inventor

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# UNITED STATES PATENT OFFICE.

ALBERT F. MADDEN, OF NEWARK, NEW JERSEY.

## CIGARETTE-ROLLER.

SPECIFICATION forming part of Letters Patent No. 571,778, dated November 24, 1896.

Application filed September 17, 1894. Serial No. 523,241. (No model.)

*To all whom it may concern:*

Be it known that I, ALBERT F. MADDEN, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented a certain new and useful Cigarette-Roller, of which the following is a description, referring to the accompanying drawings, which form a part of this specification.

The purpose of my invention is the production of a pocket cigarette-roller which may be extremely simple, sure and satisfactory in its operation, cheap of manufacture, and which may take up little and indeed practically no space when used as an attachment in conjunction with a book or block of cigarette-wrappers.

To these and certain other ends, which will hereinafter more fully appear, my invention is embodied in one of its most preferred forms in a roller and its several features and parts, designed, combined, and used in a manner similar to that herein described, illustrated, and claimed.

In the drawings, Figure 1 is a perspective view of the roller as applied to a book of cigarette-wrapper papers. Figs. 2 and 3 are face and end views of the book and the roller in their closed position. Fig. 4 is a perspective view showing my roller in the process of making a cigarette. Fig. 5 shows in plan the position of roller and cigarette when the rolling is complete and the cigarette ready to be withdrawn from it, and Fig. 6 is the blank or unfolded sheet of metal that forms my roller.

Throughout the drawings like letters of reference indicate like parts.

The drawings so clearly show the form and action of my invention that but little need be said to fully explain it to those familiar with the making of cigarettes.

A sheet of thin spring-brass, preferably about one one-thousandth of an inch in thickness and of the form shown in Fig. 6, is taken. Accordingly I will describe the roller as made from sheet-brass, without, however, meaning to limit myself to brass, as aluminium, celluloid, or other springy materials may be employed in the same manner. It is folded upon the three lines *a b* shown in the drawings and the portion B formed into the rolled or curled

form shown in Fig. 1. The turned-over edge C is preferably reinforced by a piece of flat steel, giving a stiff strong edge to the roller. Enough space is left between this turned-back edge C and the portion B to insert the edge of a cigarette-paper. The fold *a* and the flap or portion A extend from the edge of the book-cover D beneath it and form the means by which the roller is held in place upon the book.

Fig. 1 shows the manner of application to the book, and Figs. 2 and 3 the flat position of the roller when confined by the rubber strap E.

The operation of making a cigarette is as follows: One of the wrapper-papers P is placed upon the portion B, held flat, as in Fig. 2, the rubber strap being of course removed. The paper is pushed back so that its edge passes beneath the stiff turned-back portion C and insures the proper adjustment of the paper. One end of the wrapper-paper should project over the end of the book, so that it may be grasped with ease, as in Fig. 5, when the cigarette is finished. The portion B is then allowed to curl partly up, thus forming a trough containing the paper. Into this the needed amount of tobacco is placed and the roller confined tightly about it, as in Fig. 4. A few rolling movements under pressure of the fingers readily tightens the roll of tobacco and paper, the latter sliding easily over the highly-polished surface of the brass as the roll diminishes in size. Finally the cigarette is rolled up, the edge of the paper moistened with the tongue, and the cigarette drawn out from the roller, as in Fig. 5. In drawing out also the smooth metallic surface and edge C greatly contribute to the ease of manipulation.

The whole process of filling, rolling, sticking, and removing takes but a fraction of a minute, and, if desired, the moistening may be omitted or accomplished after the withdrawal of the cigarette.

I have now described one embodiment of my invention and its mode of operation. I have purposely omitted the enumeration of some minor details and modifications which depend upon mere choice or skill in manufacture, because to set these forth at length

would obscure rather than make clear the more essential features as set forth below in the claims; but

I claim, and desire to secure by these Letters Patent, together with all such modifications, additions, and improvements as may be made by mechanical skill alone, and with only the limitations as expressed or by law implied in view of the state of the related arts, the following:

1. A cigarette-roller, consisting of a stiff but thin and flexible sheet of highly-polished metal B having a turned-over and reinforced edge C, and of the curled or curved form described, substantially as set forth.

2. A cigarette-roller of thin flexible springy material having smooth or polished surfaces on both sides, whereby the edge thereof may be rolled into the cigarette with the wrapper and thereafter released substantially as described.

3. In a cigarette-roller, the curled metallic portion B in combination with the turned-back edge C leaving a space between B and C for the insertion of the cigarette-paper, substantially as set forth.

4. As a roller attachment, the metallic plate formed with the flat portion A, curled portion B, and turned-back edge C, substantially as set forth.

5. In a roller attachment, the curled metallic plate B and flat portion A formed to fit

the cover of a cigarette-paper book or holder, substantially as set forth.

6. As a roller attachment for a cigarette-paper book or block, a curled metallic plate B and means for holding the same in position upon the said book or block, substantially as set forth.

7. As a roller attachment for a cigarette-paper book or block, a plate forming a retaining portion or flap A, a cigarette-rolling portion B, and an edge C, the said edge having space beneath for the edge of a cigarette-wrapper paper, substantially as set forth.

8. As a roller attachment for a cigarette-paper book or block, a plate forming a retaining portion or flap A, a cigarette-rolling portion B, and a stiff edge C, substantially as set forth.

9. As a roller attachment for a cigarette-paper book or block, a plate forming a retaining portion or flap A, a cigarette-rolling portion B, and a fold *a* conforming to the edge of the cover or similar part of the said book or block, substantially as set forth.

In testimony whereof I have hereunto set my hand this 14th day of September, A. D. 1894.

ALBERT F. MADDEN.

Witnesses:

GEORGE H. SONNEBORN,  
FREDERICK H. DAVIS.