

(No Model.)

J. O. EATON.
CIGARETTE.

No. 599,834.

Patented Mar. 1, 1898.

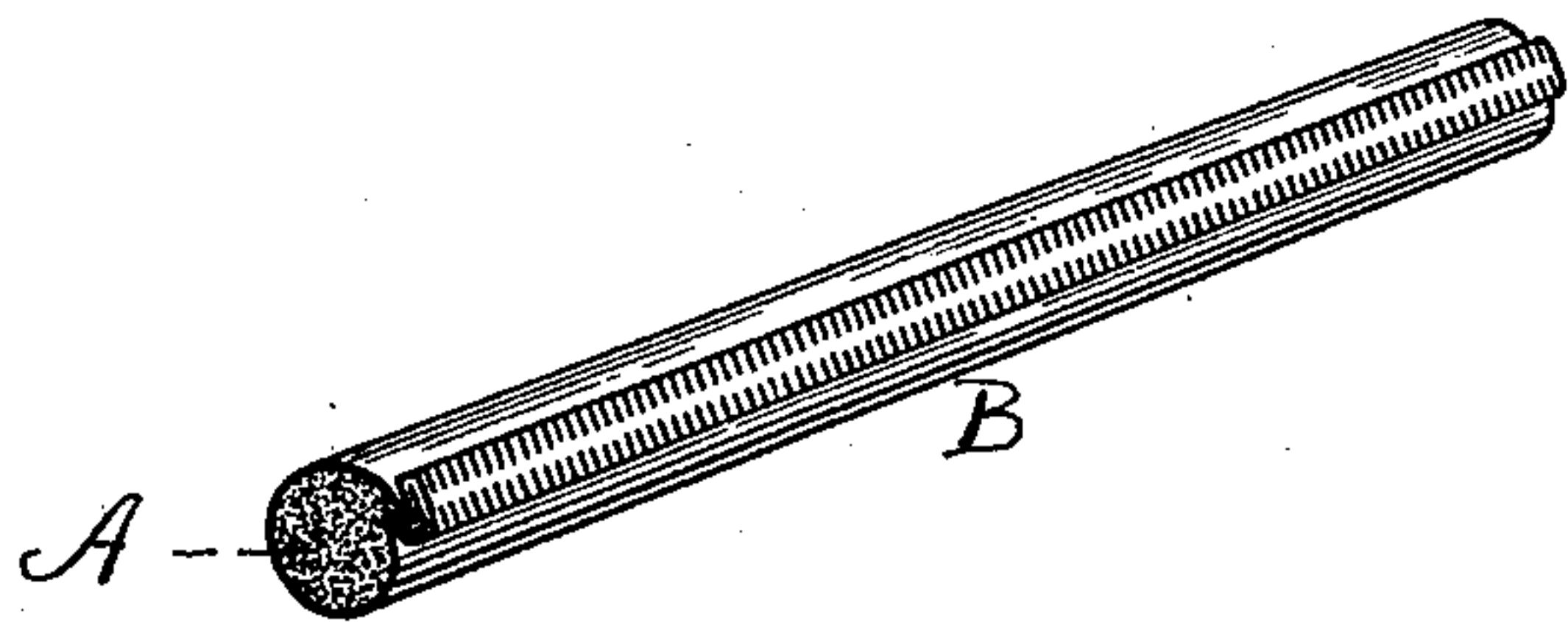


Fig. 1.

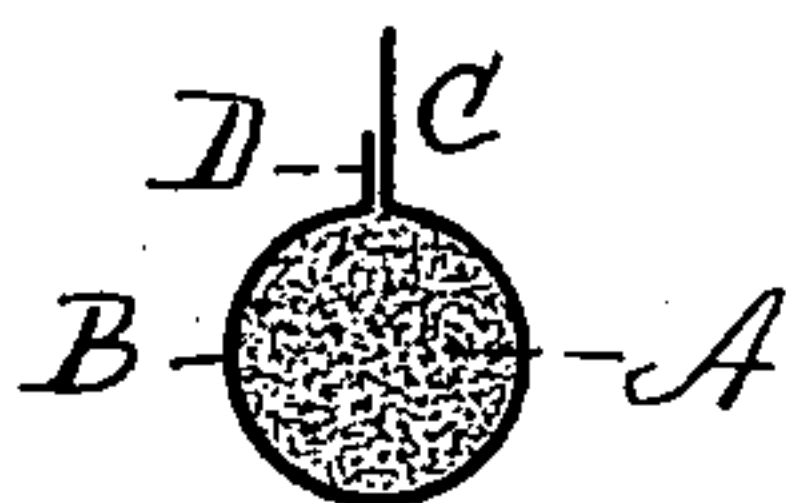


Fig. 2.

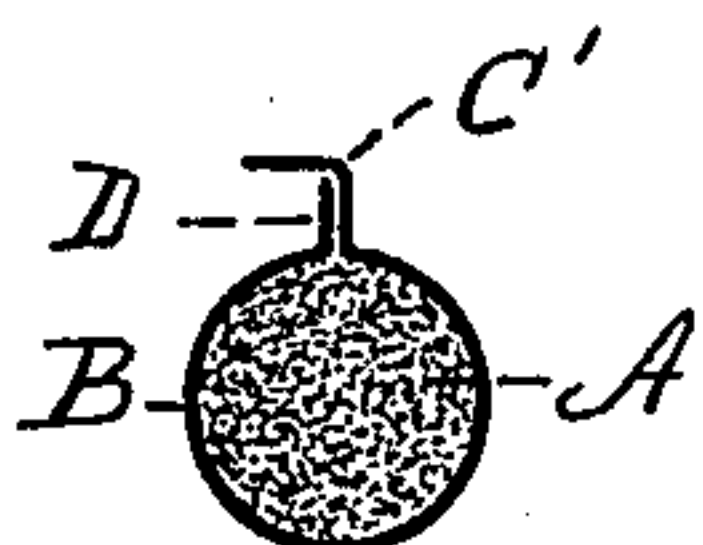


Fig. 3.

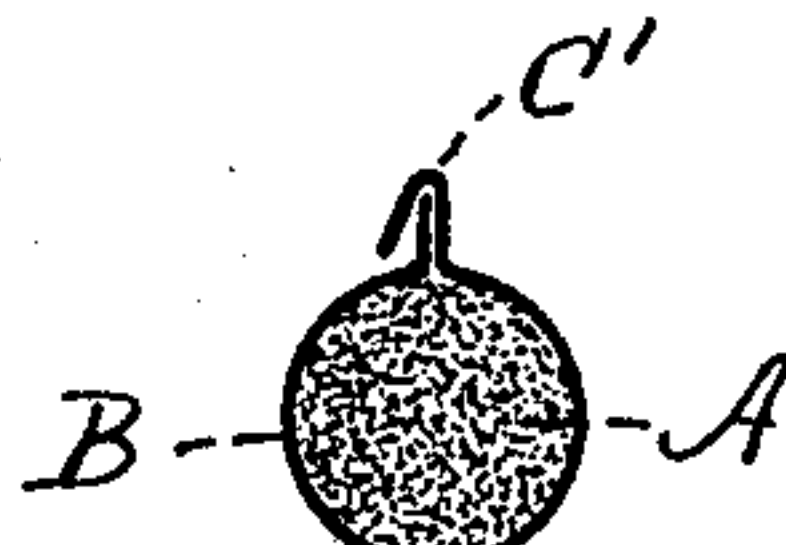


Fig. 4.

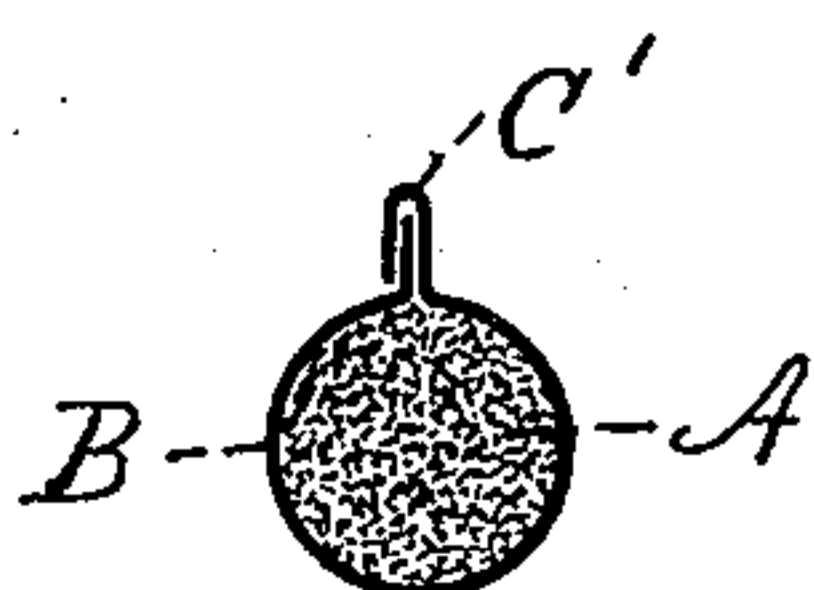


Fig. 5.

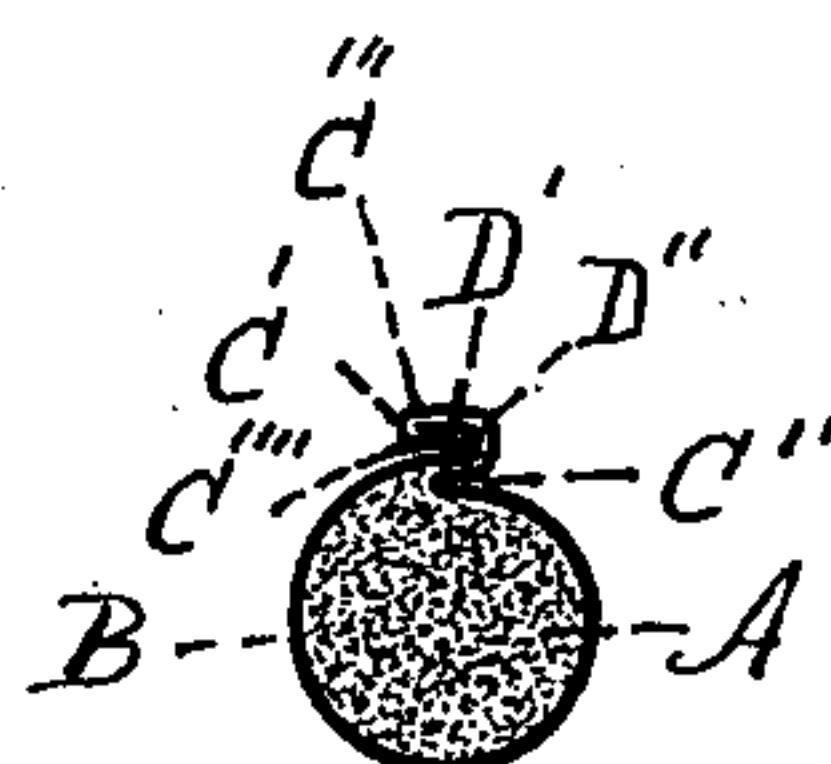


Fig. 6.

WITNESSES:

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CIGARETTE.

SPECIFICATION forming part of Letters Patent No. 599,834, dated March 1, 1898.

Application filed June 8, 1897. Serial No. 639,822. (No model.)

To all whom it may concern:

Be it known that I, JOHN O. EATON, a citizen of the United States, residing in Fall River, in the county of Bristol, in the State of Massachusetts, have invented a new and useful Improvement in Cigarettes, of which the following is a specification.

This invention relates to that class of cigarettes in which the wrapper-seam is folded in such a manner as to provide a secure lock which, after the seam has been crimped from the outside, will hold the filler safely without the use of paste or other adhesive substance. In my improved construction I produce a seam which extends on both sides of the center or opening in the wrapper and for about an equal distance on each side, the edges of said wrapper extending and facing in opposite directions and being on opposite sides of said center, all as below described, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a cigarette embodying my improvement, the seam being shown somewhat thicker than in practice in order to better illustrate the peculiar features thereof. Fig. 2 represents a transverse section showing the first step in the formation of the seam. Figs. 3, 4, and 5 are similar views showing successive steps in the manufacture of the seam. Fig. 6 is a similar view showing the completed seam somewhat exaggerated in thickness.

Similar letters of reference indicate corresponding parts.

A represents the tobacco filler, and B the wrapper, preferably of paper, and forming a tube inclosing the filler.

In placing the wrapper in position an ordinary continuous tobacco rod is used and the wrapper-seam folded and crimped either by hand or by a suitable machine. The method or process is as follows: The wrapper is placed around the filler or rod and its edges bent up, so as to be parallel, one edge or flap C being about twice as wide as the other D, as shown in Fig. 2. The next step is to bend the broad flap at right angles at C' across the edge of the narrow flap, as illustrated in Fig. 3. Next

the broad flap C is folded around the edge of the narrow flap D and down toward the body of the wrapper at substantially the acute angle indicated in Fig. 4. The next step is to bend the flap C toward the narrow flap until it is parallel therewith and on both sides thereof, as in Fig. 5. Next the two flaps are bent forward and down into a horizontal position and the flap C at the same time creased inward toward the left at C'', thus leaving the seam in the position illustrated in Fig. 6. In this position it will be seen that the narrower flap D bends around the edge of the wider flap C into a horizontal fold D', and its edge faces the closed portion C' of the flap C, and the flap C first bends inward at C'', then outward toward the right, and then folds around the edge of the flap D into the two horizontal folds C''' and C''', its extreme edge facing the closed portion D'' of the flap D. Thus the two edges face in opposite directions and both face closed portions of the opposite flaps, so that there is a perfect lock. Moreover, the seam thus produced when crimped into place, as shown in Fig. 1, lies equally on opposite sides of the opening of the wrapper in as few folds as possible to produce the "welt-seam" described, and the thickness is quite evenly distributed or divided between the two sides of the wrapper.

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

1. A cigarette provided with a wrapper-seam consisting of external folds and extending on both sides of the center or opening in the wrapper, the edges of said seam being crimped into such position.

2. A cigarette provided with a wrapper-seam consisting of external folds and extending across the center or opening in the wrapper for substantially an equal distance on each side, the edges of said seam being crimped into such position.

3. In a cigarette, a wrapper; and the herein-described improved wrapper-seam comprising the narrow flap D bent at D' into the horizontal fold D', and the broad flap C bent back upon the wrapper so as to form the

fold C'', thence around the bend D'' of the
flap D, horizontally over the fold D' of said
flap, and thence around the edge thereof and
horizontally under said fold D', the extreme
5 edge of the broad flap C facing the inside of
a closed portion or bend in the narrow flap,
and the extreme edge of the narrow flap D
facing the inside of a closed portion or bend

in the broad flap, the edges of said seam be-
ing crimped into such position, substantially 10
as described.

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Witnesses:

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