(No Model.)

W. J. KERNGOOD & B. M. FRIEDMANN.

CIGARETTE MOUTH PIECE.

No. 456,333. Patented July 21, 1891.

Fig. 1

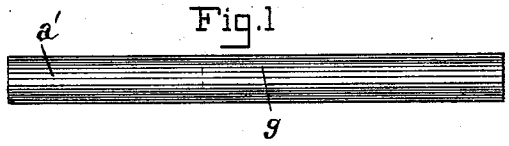
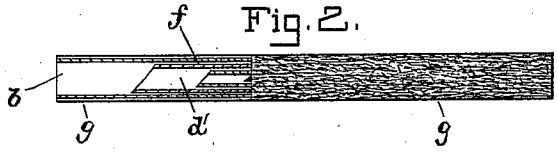


Fig. 2.



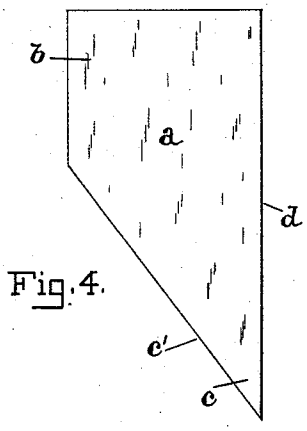


Fig. 4.

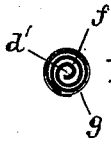


Fig. 3.

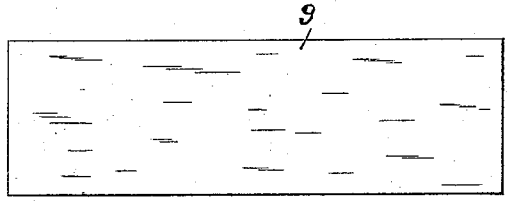


Fig. 5.

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WILLIAM J. KERNGOOD AND BENJAMIN M. FRIEDMANN, OF BALTIMORE, MARYLAND.

CIGARETTE MOUTH-PIECE.

SPECIFICATION forming part of Letters Patent No. 456,333, dated July 21, 1891.

Application filed November 18, 1890. Serial No. 371,809. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM J. KERNGOOD and BENJAMIN M. FRIEDMANN, citizens of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Cigarette Mouth-Pieces, of which the following is a specification.

Our invention relates to mouth pieces or tubes for cigarettes, and the object sought to be accomplished is to produce a simple device which can be very cheaply made, and which will effectually prevent the tobacco-filler of the cigarette from working back into the tube, and at the same time allow a free and unobstructed passage for the smoke, so that the drawing of the cigarette will not be affected, and it can be smoked as freely as without a mouth-piece.

With these ends in view our invention may be said to consist in the peculiar features of construction more fully set forth hereinafter, and pointed out in the claim.

Referring to the accompanying drawings, Figure 1 is an exterior view of a cigarette made with a tube or mouth-piece of our improved form; Fig. 2, a central longitudinal section through the same; Fig. 3, an end view of the tube or mouth-piece; Fig. 4, the blank of which the latter is formed, and Fig. 5 the cigarette-wrapper blank.

The tube or mouth-piece *a* is formed of a blank *a*, cut out in the form of a trapezoid, with a square portion *b* and one oblique edge *c'*, forming a tapering part *c*. The base or long side *d* extends in a straight line across both said portion *b* and said part *c*. This blank is rolled up, beginning at the pointed end *c*, so that it forms a coil or spiral *d'*. The base edge *d* remains in the same plane while the blank is rolled up, so that at the cigarette end of the tube it presents a series of thicknesses separated from each other to leave passages *f*, and thus forms an open wall against which the tobacco abuts, and at the other or mouth end a single thickness, thus affording a large opening where the tube is held in the mouth. The blank is not rolled up compactly but loosely, so as to form passages *f* between the respective thicknesses.

In making the cigarette the mouth-piece blank is rolled up in the wrapper *g*, together with the tobacco-filler, said wrapper being of sufficient length to accomplish this. The tobacco-filler comes up to the open wall formed by the coiled edge *d*, which latter forms a stopper to prevent the tobacco from working into the mouth-piece while the cigarette is being smoked, and the tobacco, therefore, cannot come in contact with the lips.

In coiled cigarette mouth-pieces as heretofore made the blank has not been so formed and rolled up that on the outside it has a tubular form and the same uniform diameter as the cigarette, and on the inside a coil or spiral having a number of thicknesses at the cigarette end and a single thickness at the mouth end, which gives the mouth-piece a conical or tapered bore largest at the mouth end.

The exterior tubular form of the mouth-piece with a diameter the same as the cigarette enables it to be rolled up in the same wrapper *g* with the cigarette, and the same blank that forms this tubular exterior constitutes an internal coil with an end which acts as a tobacco-stopper, but allows free draft in smoking.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

A cigarette mouth-piece consisting of a blank square at one end and having a width sufficient to form a tubular exterior for the mouth-piece of a diameter equal to that of the cigarette, and a tapering part *c*, having one continuous oblique edge *c'* extending from one edge of said square part to the opposite edge of the blank, said blank rolled into a loose coil commencing at the said part *c*, whereby the mouth-piece has a tubular exterior with the same diameter throughout and a tapered bore largest at the mouth end by reason of the thicknesses of the coiled blank which increase toward the cigarette end, as specified.

In testimony whereof we affix our signatures in presence of two witnesses.

WILLIAM J. KERNGOOD.
BENJAMIN M. FRIEDMANN.

Witnesses:
A. O. BABENDREIER,
JNO. T. MADDOX.