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J. GUENIFFET, A. BENOIT & J. NICAULT.

CIGARETTE TUBE.

APPLICATION FILED JAN. 21, 1904.

FIG. 1.

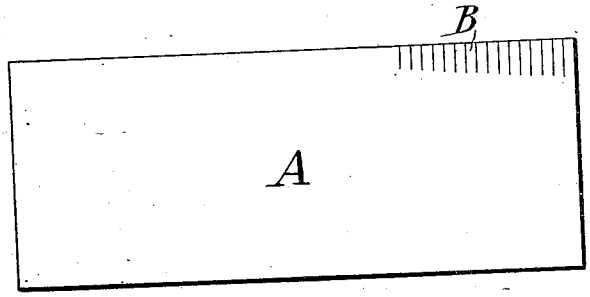


FIG. 2.



FIG. 3.

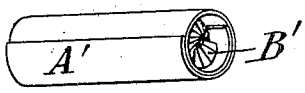


FIG. 4

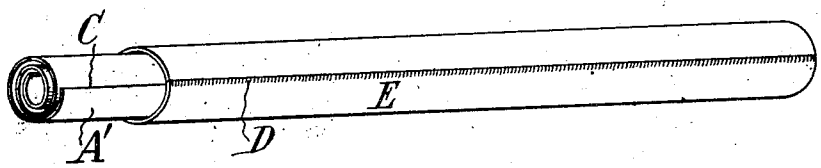


FIG. 5

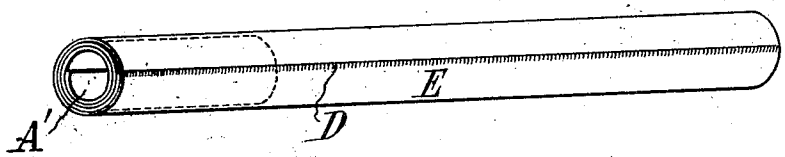
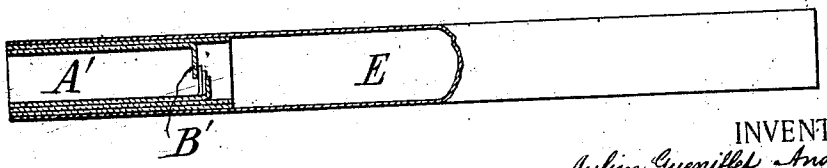


FIG. 6.



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CIGARETTE-TUBE.

No. 880,487. Specification of Letters Patent. Patented Feb. 25, 1908.

Original application filed May 9, 1901, Serial No. 59,476. Divided and this application filed January 21, 1904. Serial No. 190,091.

To all whom it may concern:

Be it known that we, JULIEN GUÉNIFFET, ANATOLE BENOIT, and JULES NICAULT, all citizens of the Republic of France, and residing in Paris, France, have jointly invented certain new and useful Improvements in Cigarette-Tubes, of which the following is a specification.

The present application is a division of our prior application Serial No. 59,476, filed May 9, 1901, and aims to cover the product of the machine claimed in said application.

The improved mouthpiece is much simpler and more easily made than previous mouthpieces. A transverse diaphragm is formed of tongues bent up from the edge of the mouthpiece so as to be pervious to smoke but to oppose the passage of tobacco when the cigarette is filled. This diaphragm permits of dispensing with the plug of cotton wool which it has been usual to place in the tubes or cases. The rim or longitudinal edge formed by the outer extremity of the mouthpiece plug when it is rolled preferably coincides with and thus is hidden by the seam of the cigarette tube or case proper.

The accompanying drawings illustrate a product embodying the invention and a process of making the same.

Figure 1 is a plan of a sheet of paper or pasteboard from which the mouthpiece is formed. Fig. 2 is a section of the same with the tongues turned up. Fig. 3 is an oblique view of a complete mouthpiece. Fig. 4 is an oblique view of a tube with the mouthpiece partly introduced thereinto and partly unrolled. Fig. 5 is an oblique view of a complete tube with the mouthpiece in place. Fig. 6 is a longitudinal sectional view of the same.

The lengths into which the strip of paper 1 is cut before being rolled into a tubular mouthpiece are indicated at A, Fig. 1, and it is understood that the edge may be tongued in any suitable style. In the style illustrated the tongues are produced by parallel slits forming straight parallel-sided tongues B preferably of gradually increasing length toward the adjacent end of the blank, so that in the finished product they shall not be all in the same plane, but shall overlie one another in succession, as indicated in Figs. 3 and 6. The tongues are then bent down as described, and stand in the position shown in Fig. 2. In the final shape of the mouthpiece the tongues form a diaphragm lettered B′ (Fig. 3) which is a slight distance within the end of the complete mouthpiece A′. The portion of the edge of the blank upon which there are no tongues forms a tube of slightly less thickness than the remainder and projecting beyond the diaphragm B′.

Fig. 4 shows the mouthpiece A′ not completely unrolled and with the outer longitudinal edge C in position to coincide with the seam D of the tube E. The mouthpiece is shown withdrawn from the tube for a certain distance for the sake of clearness.

Fig. 5 shows the mouthpiece A′ in its finished form and in its final location in the tube E, and Fig. 6 shows the position of the parts within the tube.

Having now particularly described the nature of the invention and in what manner the same is to be performed we say that what we claim is:—

1. A cigarette mouthpiece having a diaphragm formed of substantially parallel-sided tongues bent inward from one edge.

2. A cigarette mouthpiece having a diaphragm formed of substantially parallel-sided tongues bent inward from one edge, said tongues being bent up at different distances from the edge so that they will readily overlie one another in the finished diaghragm.

In witness whereof we have hereunto signed our names in the presence of two subscribing witnesses.

JULIEN GUÉNIFFET.
ANATOLE BENOIT.
JULES NICAULT.

Witnesses:
JULES ARMENGAUD, Jeune.,
HERNANDO DE SOTO.