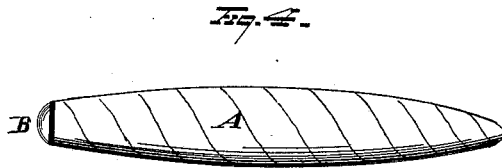
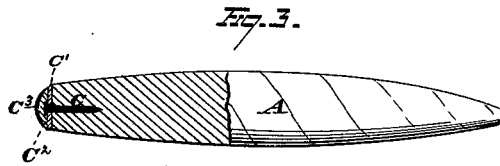
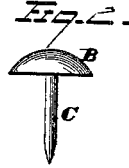
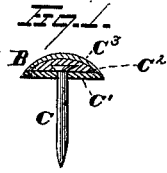


H. R. WHITEMAN.
Cigar-Lighters.

No. 196,062.

Patented Oct. 9, 1877.



WITNESSES

Ed. J. Nottingham
A. M. Bright

INVENTOR

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By *Deqgett & Deqgett*
ATTORNEY

UNITED STATES PATENT OFFICE.

HERBERT R. WHITEMAN, OF CLEVELAND, OHIO, ASSIGNOR OF ONE-HALF HIS RIGHT TO FRANK M. WHITEMAN, OF SAME PLACE.

IMPROVEMENT IN CIGAR-LIGHTERS.

Specification forming part of Letters Patent No. **196,062**, dated October 9, 1877; application filed August 29, 1877.

To all whom it may concern:

Be it known that I, HERBERT R. WHITEMAN, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Cigar-Lighters and Cigars; 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to a new and useful improvement in cigars; and consists in a lighter made according to the following description and claim.

In the drawings, Figure 1 is a longitudinal section of a lighter illustrating my invention. Fig. 2 is an elevation of the lighter. Fig. 3 is a longitudinal section of a cigar with my lighter attached, and Fig. 4 is an elevation of the same.

A is a cigar. B is one of my improved cigar-lighters. This cigar-lighter is composed of a pin or peg, but preferably a pin, C, and a disk of fabric or other combustible material, C¹. The disk C¹, after it has been secured to the head of the pin or peg, is then dipped into a paste of inflammable composition, which, in hardening, forms a thick, hard body, C², which will sustain flame for a considerable length of time, and is unextinguishable by ordinary winds. The head is then dipped into or coated on its outer end with phosphorus or any fulminate which will readily ignite by friction, as an ordinary match is ignited. This forms the outer finish, as shown at C³.

The paste to be employed is compounded as follows: I take, by measure, one part of charcoal, three parts of niter, one part of sulphur,

two parts of gum-arabic, two parts of flour, and moisten them into a paste of proper consistency with water, and the mass heated until the ingredients become thoroughly incorporated. This completes the paste. I generally add, however, a perfuming ingredient—such, for instance, as cascarilla-bark, or other substance—whereby an agreeable flavor is given, or an agreeable odor, or both.

I propose to manufacture the lighters as a separate article of manufacture, as also to manufacture the cigars with these lighters already attached, as an article of manufacture, and propose to make them either with or without the perfumed paste—that is to say, I propose to make some of my lighters perfumed, and some without the perfumery.

This invention is sufficiently illustrated by the drawings, and to light the cigar it is simply necessary to insert the match, as shown, and then draw the end of the cigar across a friction-surface to ignite the match; or, if the match or pad is already upon the cigar, it is ignited by friction, as before.

What I claim is—

A cigar-lighter consisting of a pin or peg, C, disk C¹, inflammable body C², and a fulminate, C³, the said inflammable body being composed of the described mixture of charcoal, niter, sulphur, gum-arabic, and flour, and either with or without a suitable perfuming agent, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HERBERT R. WHITEMAN.

Witnesses:

F. TOUMEY,
W. E. DONNELLY.