(No Model.)

F. EGGE.

MOLD FOR MAKING CIGAR MOUTH PIECES FROM SMALL PIECES OF AMBER.

No. 457,966. Patented Aug. 18, 1891.

Fig. 1.

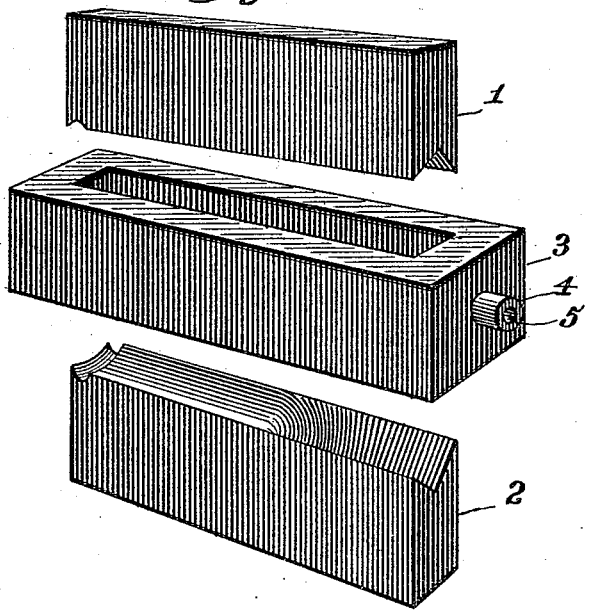


Fig. 2.

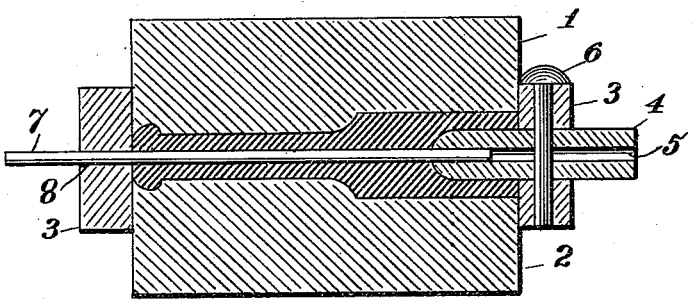
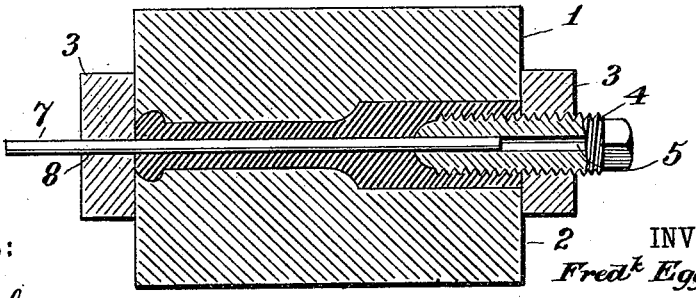


Fig. 3.



WITNESSES:

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FREDERICK EGGE, OF BRIDGEPORT, CONNECTICUT.

MOLD FOR MAKING CIGAR MOUTH-PIECES FROM SMALL PIECES OF AMBER.

SPECIFICATION forming part of Letters Patent No. 457,966, dated August 18, 1891.

Application filed November 20, 1890. Serial No. 372,087. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK EGGE, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Molds for Making Cigar Mouth-Pieces from Small Pieces of Amber; 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 appertains to make and use the same.

My invention refers to certain new and useful improvements in molds for making cigar mouth-pieces from small pieces of amber; and it consists in the details of construction and combination of elements, such as will be hereinafter fully set forth, and then specifically designated by the claims.

In the accompanying drawings, Figure 1 is a perspective view of my improved molds in detached condition; Fig. 2, a longitudinal sectional elevation of my improved molds, showing a mouth-piece for a cigar in molded form; and Fig. 3, a view similar to Fig. 2, but showing a threaded core-plug in the butt of the mouth-piece.

Similar numerals denote like parts in the several figures.

1 2 are the upper and lower molds, respectively, and 3 the mold-box having perforation 8 through one end, within which box the molds operate. These molds are conformed to the shape of the mouth-piece.

The box is provided with a core-plug 4, having a perforation 5 therethrough. This plug forms the core for the butt of the mouth-piece, extends through the box opposite to the perforation 8, and projects a suitable distance from the inner wall of the box, as shown in Figs. 2 and 3. If the plug is plain, I prefer to secure it to the box by a pin 6, as shown at Fig. 2; but if a threaded plug is used a screw-thread is tapped within the plug-opening within the box and said plug screwed therein, as shown at Fig. 3.

7 is a core-wire, one end of which extends within the perforation 5 in the plug, the other end extending through the opposite side of the box and projecting outwardly therefrom.

The particles of amber are placed within the molds in any suitable and ordinary manner, and the latter are then subjected to the action of heat and a constant automatic uniform pressure. As the amber is compressed into shape, the air finds a vent through the perforations 5 and 8. The wire forms the longitudinal opening through the mouth-piece, while the plug cores out the enlarged butt-end of said mouth-piece into which said opening leads. When a mouth-piece has been molded, the plug and wire are withdrawn and said mouth-piece is then readily removed. It is absolutely essential that there should be a vent through the mold-box and that the wire should lead within said vent.

The amber and the metal molds do not contract alike on cooling, and it is necessary to remove the wire before the amber has contracted sufficiently to adhere to said wire. It is therefore essential that the wire should extend through the mold-box, so that when the temperature of the molds on cooling falls to a certain point the wire may be withdrawn without removing the molded mouth-piece from the molds. After said wire has been removed the mouth-piece is allowed to cool until no further contraction takes place, and not until then is said mouth-piece removed from the molds.

I do not claim any generic invention in molding apparatus; but what I do claim as new is—

1. The herein-described improvement in means for molding cigar mouth-pieces from pieces of amber, consisting of a mold-box perforated at one end, a pair of suitably-shaped molds, a perforated core-plug extending through the other end of said box and projecting beyond the inner wall thereof, and a core-wire whose ends extend within the perforations within said box and plug, substantially as set forth.

2. The combination of the box 3, having perforation 8 through one end, the exteriorly-threaded perforated core-plug 4 screwed within the opposite end of said box and projecting beyond the inner wall thereof, the core-wire 7, whose ends extend within said perforations within the box and plug, and the upper and lower molds 1 2, operating within said box, substantially as and for the purposes shown and set forth.

In testimony whereof I affix my signature in presence of two witnesses.

FREDERICK EGGE.

Witnesses:
F. W. SMITH, Jr.,
J. S. FINCH.