

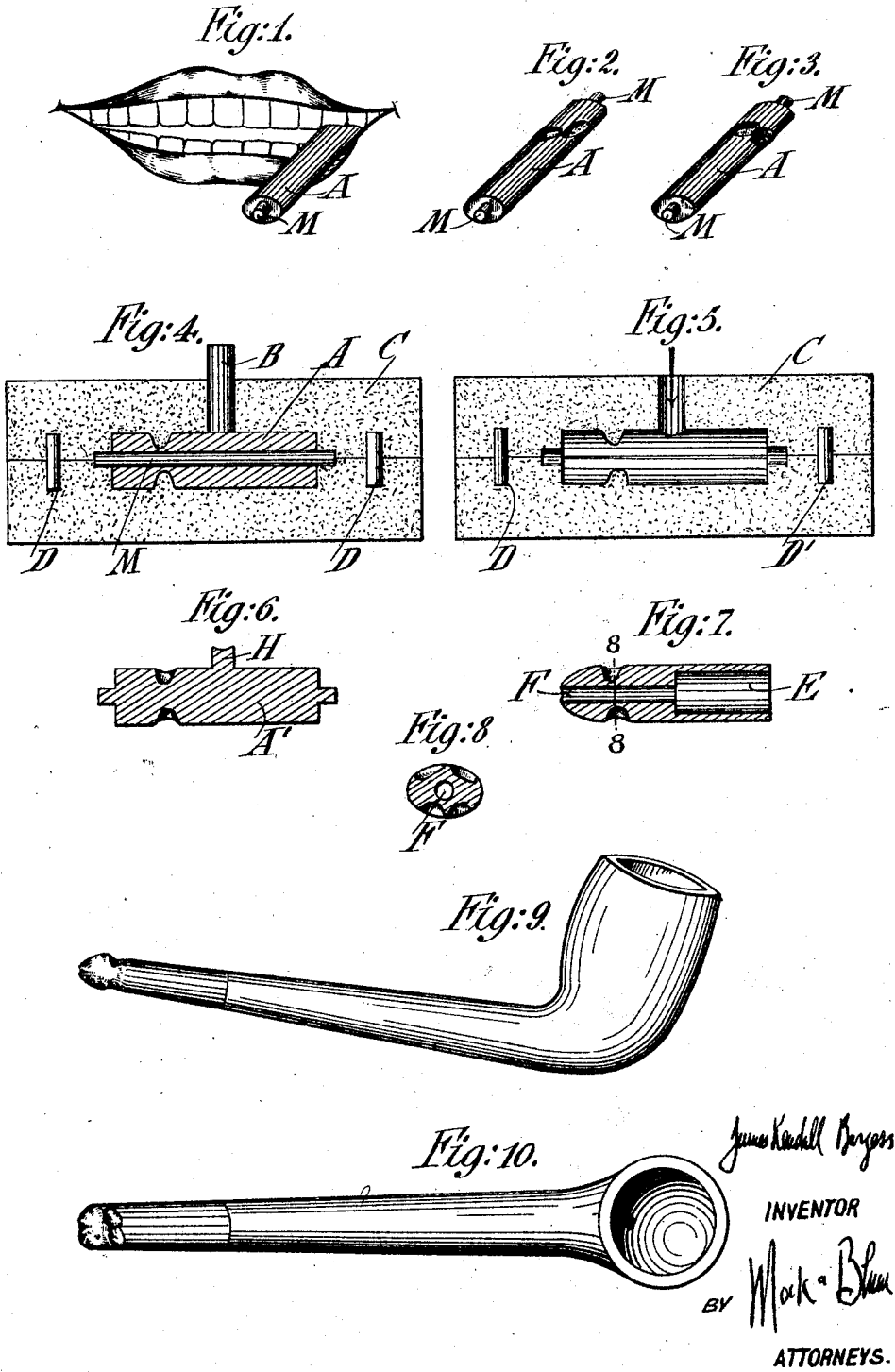
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MOUTHPIECE FOR CIGAR HOLDERS, CIGARETTE HOLDERS, AND PIPES

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MOUTHPIECE FOR CIGAR HOLDERS, CIGARETTE HOLDERS, AND PIPES.

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This invention relates to an improvement in mouthpieces and more particularly to an improvement in mouthpieces for cigar holders, cigarette holders and pipes.

5 A particular object of the invention is to provide a mouthpiece for tobacco users which will fit the mouth more comfortably than the present holders of this type and which will be a cause of less irritation to the teeth and gums of the tobacco user. A
10 further object is to provide a mouthpiece of proper dimensions which will fit well between the teeth in a minimum of space and will be firmly and comfortably held in the
15 mouth of the user. In this improved form of mouthpiece, I provide a holder which conforms to the teeth and mouth of the individual user and I achieve this object by taking an impression of the teeth of the individual and making the mouthpiece conform to that impression.

Further objects of this invention will be apparent from the drawings, in which—

25 Fig. 1 is a perspective view of the manner in which an impression is obtained for use in the making of my improved mouthpiece.

Fig. 2 is a perspective view of one side of the paraffin or wax blank used for taking an impression.

30 Fig. 3 is a perspective view of the reverse side.

Fig. 4 is a sectional view showing the method of taking a plaster cast of the wax or paraffin blank, after the impression has been
35 taken of the user's teeth.

Fig. 5 is a sectional view showing the manner in which a positive cast is made for use in the making of my improved mouthpiece.

40 Fig. 6 is a sectional view of the improved mouthpiece in the rough.

Fig. 7 is a horizontal section of the improved mouthpiece after it has been bored and one end enlarged for insertion into the
45 holder.

Fig. 8 is a sectional view along the line 8—8 of Fig. 7.

Fig. 9 is a side view of a complete pipe furnished with my improved mouthpiece,
50 and

Fig. 10 is a top plan view of a complete pipe furnished with my improved mouthpiece.

My improved mouthpiece is made as follows:

I take a blank made of paraffin or wax or any other suitable soft, plastic material, elliptical or of any other convenient shape, as illustrated in Fig. 1. In the center of this blank A is inserted a solid metal core M
60 which core is of the same diameter as the orifice of the pipe or other holder with which the mouthpiece is used. The individual for whom my improved mouthpiece is designed will make an impression of his teeth in the
65 blank A by biting into the wax up to or nearly up to the metal core M. This impression should conform to that part of the mouth where the pipe or other holder is usually held and in the most comfortable position. The impression having been taken in
70 the blank, the task is then to reproduce the contour or conformation of this impression in a durable form in a mouthpiece attached to a pipe, cigar or cigarette holder or other
75 implement.

I illustrate herein one way of producing this impression in a durable form, but it will of course be understood that such a holder may be made in a variety of different
80 ways well known to jewelers, dentists and others skilled in the art of moulding, casting and the making of patterns of all kinds.

I take a plaster cast of the indented blank A as illustrated in Fig. 4, the two halves of
85 the plaster cast being held together by the pins D and D'. After the plaster cast is taken, the blank A is removed and I have a finished mold of the rough mouthpiece as shown in Fig. 5. Fig. 6 shows the rough
90 mouthpiece A' after it is cast. In this an enlargement E and a hole F is bored as illustrated in Fig. 7, the rough portion H left over from the molding shown in Fig. 6 being machined off. The hole in the mouth-
95 piece shown in Fig. 7 corresponds in size to the core M shown in Figs. 1, 2 and 3.

The mouthpiece here illustrated may be made of silver, gold or any other suitable metal or combination of metals and it is
100 obvious that it may also be made by other processes in amber, hard rubber or any other convenient material or combinations of material. It is apparent from the foregoing that I do not restrict myself to any particular method of forming my improved
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mouthpiece, or to any particular material forming same as such methods and materials and combinations thereof will readily occur to those skilled in the art. It is also apparent that although the primary object of this invention is an improved mouthpiece for tobacco users that this mouthpiece has an application also in other fields such as mouthpieces for blow-pipes, musical instruments, etc., the essence of my invention being the construction of an individual mouthpiece for tobacco or other users which fits exactly the gripping surfaces of the teeth and the mouth of the individual user.

15 Having thus fully explained my invention, what I claim is:—

I claim:—

1. A durable pre-formed mouthpiece for smoker's use whose outer surfaces conform to and register with the dental configuration of an individual set of teeth. 20

2. A process of producing an improved mouthpiece for smoker's use by taking an impression of the teeth of the individual user in a plastic material, taking a plaster cast of said impression, reproducing said impression in a durable material, forming said material into a mouthpiece and affixing said mouthpiece to a holder. 25

In testimony whereof I hereunto affix my signature. 30

JAMES KENDALL BURGESS.