

(No Model.)

H. E. GILCHRIST.

TOBACCO PIPE AND CIGAR OR CIGARETTE HOLDER.

No. 564,482.

Patented July 21, 1896.

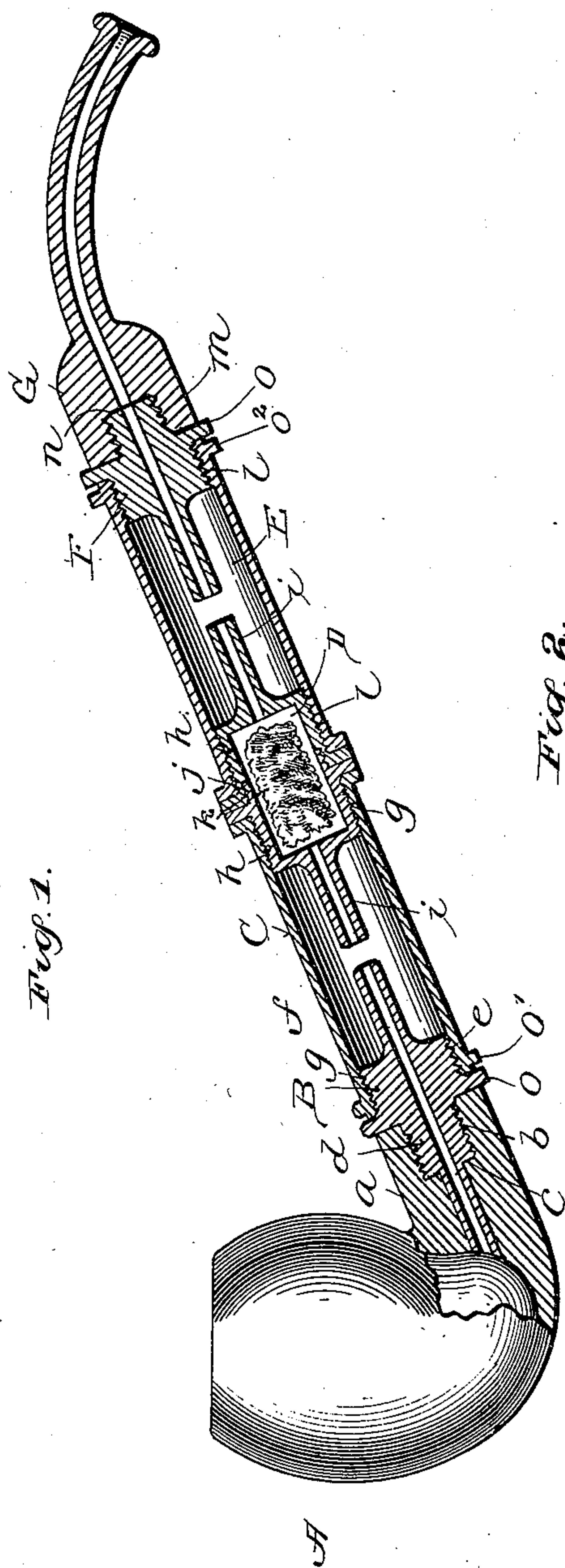
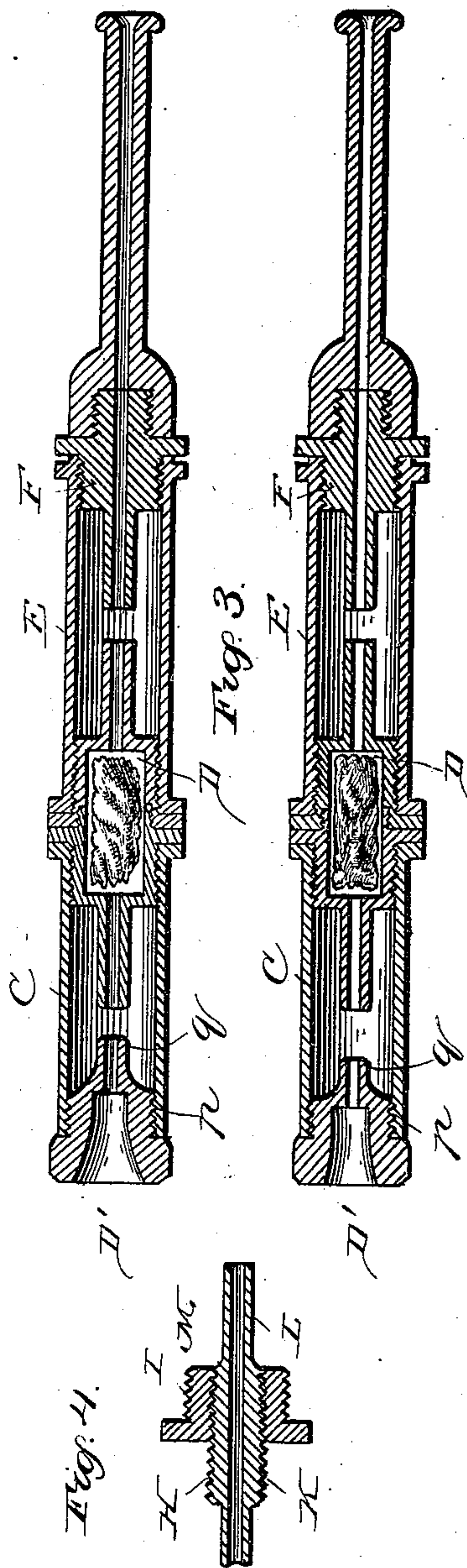


Fig. 1.



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Fig. 3.

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TOBACCO-PIPE AND CIGAR OR CIGARETTE HOLDER.

SPECIFICATION forming part of Letters Patent No. 564,482, dated July 21, 1896.

Application filed September 10, 1895. Serial No. 562,052. (No model.)

To all whom it may concern:

Be it known that I, HARRY ELMER GILCHRIST, a citizen of the United States, residing at Danville, in the county of Vermilion and State of Illinois, have invented certain new and useful Improvements in Tobacco-Pipes and Cigar or Cigarette Holders; 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.

This invention relates to tobacco-pipes and cigar and cigarette holders, and has for its object to provide a simple, durable, comparatively inexpensive pipe and cigar or cigarette holder adapted to remove and collect the oily matter containing nicotine from the tobacco-smoke by which pipes and holders become fouled after being some time in use and to cool and purify the smoke before entering the mouth and to collect the saliva and prevent the same entering the pipe-bowl or cigar or cigarette holder tip; and it consists in providing a stem adapted for pipes or for cigar or cigarette holders made up of a series of chambers, which will be hereinafter denominated a "nicotine-chamber," a "purifying-chamber," and a "saliva-chamber," all of which are readily detachable from and interchangeable with each other, and the whole being so constructed and arranged as to be readily cleaned and repaired when necessary, as will be fully explained and claimed hereinafter.

In the accompanying drawings, forming a part of this specification, Figure 1 is a longitudinal section through a tobacco-pipe embodying my invention. Fig. 2 is a similar view showing a cigar-holder. Fig. 3 a similar view of a cigarette-holder, and Fig. 4 a detail view of a modified form of joint.

Similar letters refer to similar parts throughout all the views.

A represents a tobacco-pipe bowl having an extended stem *a* formed with an interior screw-thread *b* and shoulder *c* to receive the exteriorly-screw-threaded reduced end *d* of a joint B, which is also screw-threaded on its body portion *e* and is formed with the projecting tube *f*. Onto the body portion *e* of the joint B the nicotine-chamber, which consists of a tubular or hollow section C, formed with in-

terior screw-threads *g* at each end thereof, screws and receives therein the extended tube *f* of said joint, thereby securely but removably fastening the pipe-bowl and nicotine-chamber together. The other end of the nicotine-chamber screws onto the exteriorly-screw-threaded body portion of the cooling or purifying chamber D, which consists of the tubular or hollow sections *h*, each of which is formed with a projecting tube *i*, and one of which is slightly reduced at one end and screw-threaded, as at *j*, to fit in the interiorly-screw-threaded end *k* of the opposite section.

E represents the saliva-chamber, which consists also of a tubular or hollow section having interior screw-threads *l* at each end, one of which screws onto the body portion of one of the sections *h* of the purifying-chamber so as to receive therein the projecting tube *i* thereof.

F represents a joint provided with a projecting tube, and in all respects similar to the joint B, above described, and G represents a mouthpiece having interior screw-thread *m* and a shoulder *n* formed therein adapted to receive said joint F.

The joints B and F are each provided with milled shoulders *o*, as are also the ends of the chambers C and E, as at *o'* *o''*, and the sections *h* are also formed with like shoulders, whereby a tight joint is assured between the parts, and the stem may be wholly taken apart to cleanse the chambers without liability of soiling the fingers with the foul matter accumulated therein.

The purifying-chamber is filled with a suitable absorbent, such as sponge or cotton, which may be, if desired, saturated with a perfume, and which may be used either in a wet or dry state, in order to absorb the deleterious and offensive matter contained in the smoke and also to cool and render fragrant the smoke before it enters the mouth of the person using the pipe or holder.

The nicotine is collected from the smoke during its passage through the chamber C, into which it enters through the extended tube *f*, the smoke, deprived of nearly all the nicotine then entering the purifying-chamber through the extended tube *i* of said chamber and passing through the absorbent material therein, is further cooled and puri-

fied thereby before entering the saliva-chamber and the mouthpiece.

It will be observed that the ends of the joints B and F screw up tight against the shoulders *c* and *n* of the bowl-stem *a* and the mouth-piece G, respectively, thereby insuring no leak at these points and compelling the nicotine-laden smoke to enter the nicotine-chamber and preventing the deposit of nicotine in the pipe-bowl, and the saliva to enter the saliva-chamber, where it is collected and its further passage through the stem prevented.

The extended tube *f* on the joint B and tube *i* on joint F on the purifying-chamber do not meet within the chambers C and E, and the smoke, entering these chambers as well as the purifying-chamber, has a chance to deposit its foul matter before passing therefrom. Thus it will be observed that the purifying-chamber is protected from the nicotine at one side and from the entrance of saliva at the other side, whereby a clean, cool, and fragrant smoke is insured.

If desired, an absorbent material may also be arranged within the nicotine and saliva chambers.

In using the stem for a cigar or cigarette holder a tip D', Figs. 2 and 3, of suitable size is used, having a screw-threaded portion *p* for securing it in the desired chamber, and an extended tube *q* entering the chamber to convey the smoke toward the center of the chamber to deposit the nicotine therein.

In Fig. 4 I show a modification of the joints B and F, which consists in making the joint in two pieces H and I, the part or piece H being formed with a screw-threaded end K to enter bowl-stem or mouthpiece, and having a tubular extension L formed with exterior screw-threads, onto which screws an exteriorly-threaded collar M, the latter screwing into the adjacent chamber or mouthpiece, and both of said pieces being formed with milled shoulders. The pieces L and M may be made from different material and all the parts of the stem and the bowl may be of any desired or suitable material.

While I have shown the chambers B and F as cylindrical in shape, it is obvious that any desired shape may be given the same, and that the entire stem may taper from the bowl to the mouthpiece.

The above-described pipe-stem and holder possesses the advantage of being easily and quickly cleaned, is easily and inexpensively repaired or new parts substituted for worn or

damaged parts, the smoke therefrom is cooled and purified before entering the mouth, the saliva is prevented running into bowl, and non-liability to stoppage of smoke-passage.

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

1. A stem for pipes, and cigar and cigarette holders, comprising a nicotine-chamber, a saliva-chamber, and a purifying-chamber, said purifying-chamber being formed of two parts or sections and arranged between and adapted to extend into said first-named chambers and forming a communicating connection therebetween, substantially as described.

2. A stem for pipes and cigar and cigarette holders, comprising a nicotine-chamber in communication with the bore of said stem and a joint having an extended tube entering said nicotine-chamber, a purifying-chamber formed of two parts or sections one of which is adjustably attached at one end to said nicotine-chamber, a saliva-chamber adjustably secured to the other end of said purifying-chamber, a mouthpiece, and a joint having an extended tube connecting said saliva-chamber and mouthpiece, substantially as described.

3. The combination, with a stem for pipes, cigar, and cigarette holders, made in sections, of a purifying-chamber consisting of two parts or sections adjustably secured together and removably secured between the two sections of the stem and in communication with the bore of said stem and forming a joint therefor, and a suitable absorbent material for said chamber, whereby the chamber may be removed from the stem and its parts separated for cleansing purposes, substantially as described.

4. The combination, in a stem for pipes and cigar and cigarette holders, having a nicotine-chamber and a saliva-chamber therein, of a purifying-chamber formed of two parts or sections adjustably secured together and removably secured within said stem between said nicotine and saliva chambers and communicating therewith, substantially as described.

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

HARRY ELMER GILCHRIST.

Witnesses:

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H. H. DAVIS.