

J. T. CONNOLLY.
 PIPE AND CIGAR HOLDER.

No. 190,286.

Patented May 1, 1877.

Fig. 1.

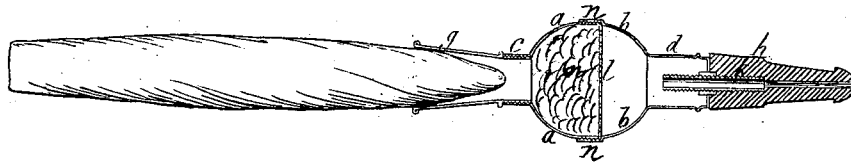


Fig. 4.

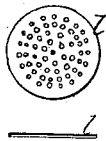


Fig. 2.

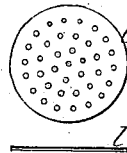
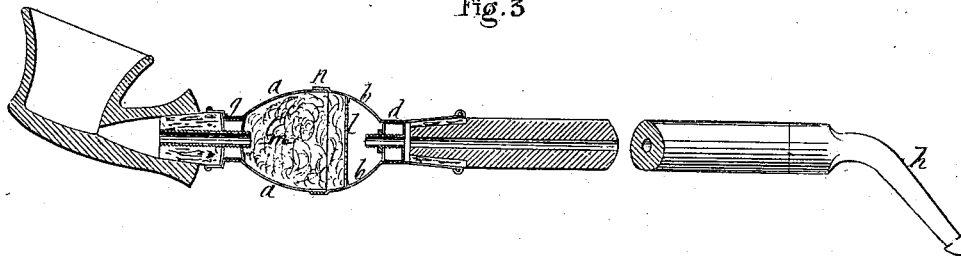


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN T. CONNOLLY, OF NEW YORK, N. Y.

IMPROVEMENT IN PIPES AND CIGAR-HOLDERS.

Specification forming part of Letters Patent No. 190,286, dated May 1, 1877; application filed February 5, 1877.

To all whom it may concern:

Be it known that I, JOHN TOWNSEND CONNOLLY, of New York city, N. Y., have invented an Improved Nicotine Filter for Cigar-Holders and Pipes, of which the following is a specification:

It has been, for a long time, a desideratum to render the use of tobacco less injurious by interposing within the stem of the pipe or cigar-holder a cleansing appliance for keeping back the nicotine, so as to prevent its entering the mouth of the smoker. A very large number of contrivances have been brought out for this object, but none of them have ever become generally used by smokers.

The object of my invention is a contrivance for this purpose which avoids the inconvenience of those hitherto proposed.

It is chiefly intended for the cigar-holder, but is also applicable to the ordinary pipe; and consists chiefly in placing a cleansing appliance upon the stem and in the axis thereof, so as not to deviate the smoke in its passage through the stem, or oblige the smoker to draw more strongly than usual. To absorb the nicotine, I make use of a ball of cotton or other spongy material, which I place in the intermediate reservoir, where it is held by a vertical disk pierced with holes. This disk divides the reservoir into two compartments, one of which contains the ball of cotton, while the other receives the purified smoke, leaving it a space sufficiently large to favor its passage by the stem of the pipe. The reservoir opens into two parts, and a filtering-disk is fixed therein by a bayonet or screwed arrangement, or otherwise, which permits its easy removal, and the ball of cotton or other material can be removed when filled with nicotine, and replaced by another.

The accompanying drawings will enable my invention to be thoroughly understood.

Figure 1 is a longitudinal section of my improved cigar-holder, provided with the purifying agent. Fig. 2 is a separate view of the filtering-disk. Fig. 3 shows my invention applied to a pipe, and Fig. 4 is a separate view of the filtering-disk.

The same letters represent the same pieces for the cigar-holder and the pipe.

The reservoir, which is preferably of spher-

ical form or oval form, or nearly so, is composed of two hemispherical parts, *a* and *b*, which are jointed by a bayonet arrangement, or screwed together at *n*, by means of screw-threads formed on the outer side of one and the inner side of the other. The two halves of the reservoir are in the same piece with the tubular parts *c* and *d*, which connect them—the one with stem of the cigar-holder *g*, and the other with the amber mouth-piece thereof *h*. The junction of the two tubes *c* and *g* is effected by a screwed part, but the tubes may be very advantageously used in one piece only.

The tubular part *d* is prolonged by a threaded part, *k*, upon which is screwed the amber mouth-piece *h*. The filtering-disk *l* is placed vertically near to the point *n* of connection of the two parts of the reservoir. It isolates the ball of cotton *m* placed in the part *a*. This disk (shown apart at Fig. 2) is pierced with holes over its whole surface. When putting the disk in place, it rests upon a circular shoulder arranged in the interior of reservoir. The disk is thus maintained against the rim or circular shoulder of the reservoir. It will be remarked, in Fig. 3, that the exit-orifice of the smoke from the reservoir is preceded by a little conical or cylindrical tube, and the object of this prominent little tube is for the purpose of preventing the nicotine juice which may have escaped through the filter from entering the passage to the mouth.

With the same object, the edges of the entry-orifice in the reservoir may be made to slightly project therein. This projection of the entry-orifice into the reservoir should be greater with pipes than cigar-holders, because the pipe may assume all sorts of inclined positions, and the nicotine juice has a greater tendency to return toward the pipe-bowl.

It may be feared that the fibers of the cotton or other absorbent material may get into the smoke-tube; but if it is desired to guard against the possibility of this happening, it is sufficient to double the filtering-disk and to lodge the wad of cotton between two disks arranged in the inside of the reservoir.

In order to obtain a larger space for lodging the wad of cotton or other material, I may change the position of the filter *l*, and, instead of placing it in the medial diameter of

the two hemispheres *a* and *b*, as shown in Fig. 1, the filter *l* may be placed on the side nearer the entrance of the tubular part *c* or *d*, as will be seen clearly at Fig. 3, which shows my invention applied to a pipe for smoking. For the same purpose, the two filtering-disks may be placed in the interior of the reservoir, near the entrance of the tubular parts *c* and *d*. This modification leaves all the inner volume of the two hemispheres *a* and *b* disposable to receive the wad of cotton.

In the arrangements above described the reservoir is of metal, but it can be made of wood, hardened caoutchouc, shell, horn, or any other material which harmonizes with the other material of which the cigar-holder or pipe-tube may be formed. I do not limit myself to the spherical form of the reservoir *a* and *b*, which may assume any other convenient form—oval or elongated, for example, Fig. 3.

I do not broadly claim a cigar-holder or pipe, having a smoke-filter arranged between the mouth-piece and tobacco, as such, I am aware, is not new.

Having now described the nature of my said invention, and in what manner the same is to be performed, I declare that I claim—

A pipe-stem and filtering-chamber, *a b*, with diaphragm *l*, and packing material *m*, with extension *g*, adapted to receive a cigar or connect with a pipe-bowl, substantially as described.

In testimony whereof I have signed my name to this specification before two subscribing witnesses.

J. TOWNSEND CONNOLLY.

Witnesses:

ROBT. M. HOOPER,
ARMENGAUD, Jeune.