

S. H. THURSTON.

TOBACCO-PIPE.

No. 191,385.

Patented May 29, 1877.

Fig: 1.

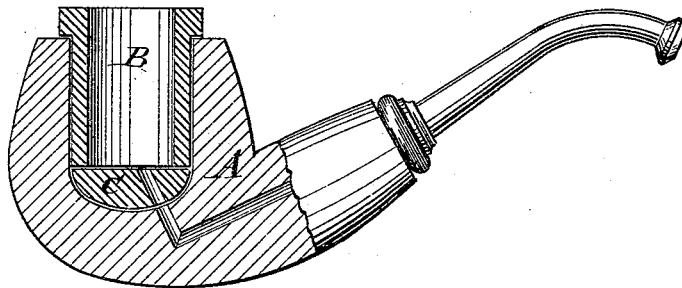


Fig: 2.

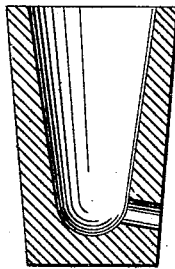


Fig: 4.

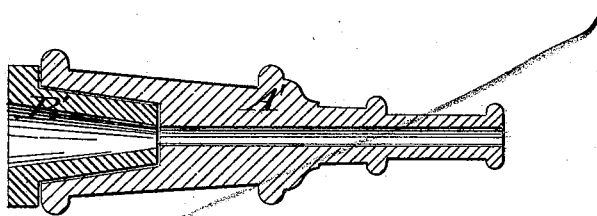


Fig: 3.

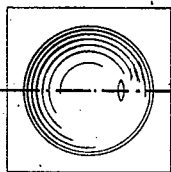


Fig: 5.

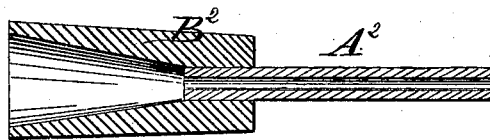
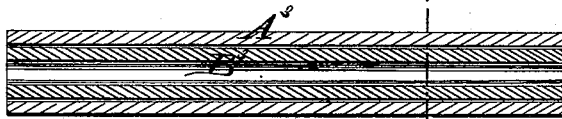



Fig: 6.



WITNESSES:

*Chas. Nida*  
*J. Scarborough* Fig: 7. 

INVENTOR:

BY *S. H. Thurston.*  
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# UNITED STATES PATENT OFFICE.

SAMUEL H. THURSTON, OF WHITESTONE, NEW YORK, ASSIGNOR TO CARL EDELHEIM, OF NEW YORK CITY.

## IMPROVEMENT IN TOBACCO-PIPES.

Specification forming part of Letters Patent No. 191,385, dated May 29, 1877; application filed March 12, 1877.

### To all whom it may concern :

Be it known that I, SAMUEL H. THURSTON, of Whitestone, in the county of Queens and State of New York, have invented a new and useful Improvement in Tobacco-Pipes and Cigar-Holders, of which the following is a specification:

Figure 1 is a side elevation, in section, of a tobacco-pipe containing my improvement. Fig. 2 is a longitudinal section on line *x x*, Fig. 3. Fig. 3 is a plan view of a pipe-bowl made of pumice-stone. Fig. 4 is a longitudinal section of a cigar-holder having a lining of pumice-stone. Fig. 5 is a longitudinal section of a cigar-holder made of pumice-stone, and provided with a mouth-piece of other material. Fig. 6 is a longitudinal section, and Fig. 7 is a transverse section of a pipe-stem lined with pumice-stone.

Similar letters of reference indicate corresponding parts.

My invention relates to improvements in pipes for smoking tobacco; and it consists in making the entire pipe or portions thereof, or a cigar-holder or portions thereof, of pumice-stone.

The requisite qualities for a good pipe or cigar-holder are lightness, porosity, and indestructibility. Hitherto only the most expensive kinds of pipes have possessed some of these qualities in a limited degree. To produce an inexpensive pipe having all these features is the object of my invention.

Referring to the drawing, A, Fig. 1, is the bowl of any ordinary pipe, in which is placed a lining of pumice-stone, consisting of a cylindrical part, B, and a perforated bottom piece, C; or the cylindrical part and bottom may consist of a single piece.

In Figs. 2 and 3 a pipe-bowl is represented that is formed from a block of pumice-stone, and is designed to be used in connection with any ordinary stem.

A<sup>1</sup>, in Fig. 4, is a cigar-holder, of any suitable material and form, in which is placed a pumice-stone lining, B<sup>1</sup>, which receives the end of the cigar. A<sup>2</sup>, in Fig. 5, is a stem of any suitable material, to which is attached a holder, B<sup>2</sup>, which is made from pumice-stone.

In Figs. 6 and 7, A<sup>3</sup> is a pipe-stem, which is provided throughout the whole or a portion of its length with a pumice-stone lining, B<sup>3</sup>.

These various examples represent the principal forms of my invention, the object of which is to provide a pipe shaped from pumice-stone in its natural state, and to provide linings to such portions as are subjected to heat, and with which nicotine and other liquid products of the combustion of tobacco come into contact as the smoke is drawn from the pipe.

The pumice-stone, being porous, absorbs the liquid products of combustion, and, being refractory, resists the action of the heat. It is also very light, and may be cleansed by heating or by treating with alcohol or acids, and is practically indestructible.

Instead of pumice-stone in its natural state, it may be pulverized and mixed with some cementitious material for the manufacture of pipes, cigar-holders, or linings; but the porosity of the natural stone would thereby be almost entirely destroyed.

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

1. A pipe-bowl or cigar-holder formed from pumice-stone, substantially as herein shown and described.

2. The combination, with the bowl or stem of a cigar-holder or pipe, of a lining of pumice-stone, substantially as herein shown and described.

SAMUEL H. THURSTON.

Witnesses:

C. SEDGWICK,  
GEO. M. HOPKINS.