

(Model.)

W. BUSHNELL.
TUBULAR SMOKING PIPE.

No. 265,571.

Patented Oct. 10, 1882.

Fig. 1.

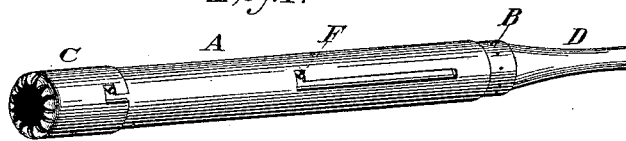


Fig. 2.



Fig. 3.

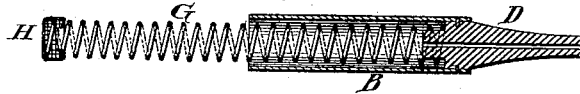
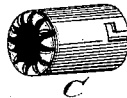


Fig. 4.



Witnesses:

John J. Seater
J. H. Albright

Inventor:

William Bushnell

UNITED STATES PATENT OFFICE.

WILLIAM BUSHNELL, OF BROOKLYN, NEW YORK.

TUBULAR SMOKING-PIPE.

SPECIFICATION forming part of Letters Patent No. 265,571, dated October 10, 1882.

Application filed January 10, 1882. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM BUSHNELL, a citizen of the United States, residing in the city of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Tobacco-Smoking Pipe, of which the following is a specification.

My said invention relates to improvements in tubular smoking-pipes in which tobacco is placed in a tube in lieu of an ordinary bowl of a pipe or meerschaum; and the object of my invention is to furnish to persons who smoke tobacco a neat, cheap, and desirable substitute for the ordinary pipe and meerschaum, possessing all the requisite qualities and advantages of those articles, and at the same time presenting the more attractive and popular form and appearance of a cigar, and also to provide a more complete means of charging the tobacco in the tube and of thereafter conveying it gradually forward to the burning or consuming point; and I attain these objects by the following-described combination of the several parts of the pipe, as shown in the drawings hereto annexed.

Figure 1 shows the external form and appearance of the pipe when complete and ready for use. Fig. 2 represents the pipe with the inner tube, B, partly drawn out preparatory to charging or filling the outer tube, A, with tobacco. Fig. 3 shows a longitudinal section of tube B, together with a spiral spring, G, attached to a mouth-piece, D. Fig. 4 represents a muzzle, C, placed over the mouth of tube A after it has been filled with tobacco, for the purpose of preventing the tobacco from being forced out of the tube by the spiral spring G.

Similar letters refer to similar parts throughout the several views.

In carrying out my invention I take a tube of metal or other material of suitable length and diameter, and within it fit telescopically another tube, so that this latter tube may be drawn or pushed back and forth within the outer tube about one-half of its length, and also provide the combined tubes with a sort of bayonet-fastening device by which they may be mutually held in place. Within the outer end of the inner tube, B, I fit a mouth-piece, D, to the inner end of which mouth-piece I attach a spiral wire spring, G, as shown in Fig. 3. The object of this combination of tube B, mouth-piece D, and the spiral spring G is to afford the most direct and complete means of

drawing or moving back and forth the spiral spring within the outer tube, A, for the purpose of facilitating the charging of tube A with tobacco, and then when it has been charged to readily bring the force of the spiral spring to bear upon the charge of tobacco and gradually carry it forward to the consuming or smoking point.

The muzzle C, I also make of tubing of suitable diameter, and from one-half of one inch to one and a half inch in length, and cut the outer end thereof into saw-like teeth or points, which I bend concentrically forward, so as to partly cover the mouth of tube A, thus forming a sort of guard sufficient to prevent the tobacco within the tube from being pressed out by the force of the spiral spring while it is being smoked or before it is reduced to ashes. The muzzle I hold in its place over the end of the tube by a bayonet-fastening device, as shown in the drawings; or it may be held by a hinge on one side of the tube and an ordinary catch on the opposite side. This form of muzzle—the tooth-like form—I have found to present, when the pipe is being smoked, very much the appearance of a fully-lighted end of a cigar. The muzzle may also be made of wire; but I prefer the form herein represented as being more substantial and durable.

For filling or charging my pipe with tobacco, either in its loose form or in the form of a cigarette, remove the muzzle C, draw back the spiral spring G by means of the mouth-piece D, attached to the inner tube, B, as far as the guide-pin F will permit, fill the tube A with tobacco rather loosely, replace the muzzle, push in the spiral spring by the same means with which it was drawn back, turn the guide-pin F into the cross-slot *e*, thus bringing the pressure of the spring to bear upon the tobacco, and the pipe will be ready for smoking.

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

The combination of tube B, having mouth-piece D, spring G, and pin F, with the sliding tube A, having the longitudinal and cross slots, as shown and described, for the uses and purposes set forth.

WILLIAM BUSHNELL.

Witnesses:

JOHN G. WESTFALL,
JOHN J. SLATER.