

J. M. BROWN.
Tobacco Stopper.

No. 46,211.

Patented Feb. 7, 1865.

Fig. 1.

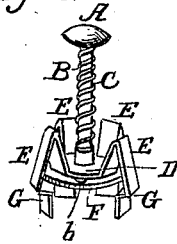


Fig. 2.

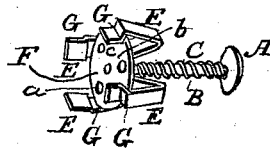


Fig. 3.

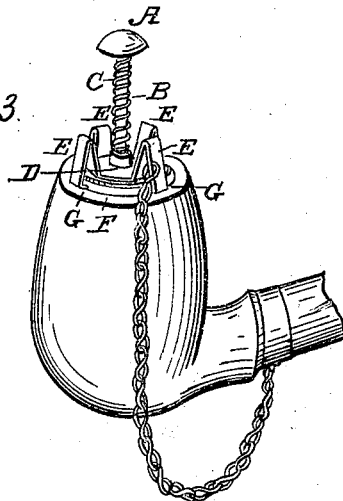


Fig. 4.

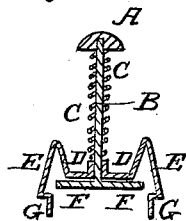
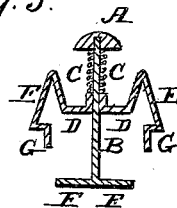


Fig. 5.



Witnesses:

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Inventor:

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UNITED STATES PATENT OFFICE.

JOHN M. BROWN, OF PORTLAND, MAINE.

TOBACCO-STOPPER.

Specification forming part of Letters Patent No. 46,211, dated February 7, 1865.

To all whom it may concern:

Be it known that I, JOHN M. BROWN, of Portland, in the county of Cumberland and State of Maine, have invented a new and useful Improvement in Pipe-Stoppers; and I do hereby declare the following to be a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a side view of my invention. Fig. 2 represents an end view of the same. Fig. 3 represents a view of my invention when applied to a pipe; Fig. 4, a sectional view of Fig. 1. Fig. 5 represents Fig. 4 in operation.

The object of my invention is to produce a pipe-stopper and cover combined that can be applied to or detached from the pipe at will, and also to produce a pipe-stopper whose office it is to keep the tobacco in a condition of sufficient compactness so as to burn evenly and with regularity, which can be pressed upon the tobacco without removing the cover of the pipe-bowl, and which will recover its original position after being pressed upon the contents of the pipe.

My invention consists, first, of the cover represented at D D, Figs. 4 and 5, with a hole in the center, and arranged with the spring-arms marked E in the accompanying drawings, said arms being fitted with shoulders, (marked G in the drawings,) to prevent the cover from slipping into the bowl of the pipe; second, of the stopper or plunger F, Fig. 5, arranged with the rod passing through the aperture in the cover, and surrounded with the spiral spring C, Fig. 1. To the upper end of the rod is fastened the knob or plate A. The office of the spring is to enable the plunger to recover its position after being pressed into the bowl of the pipe. The spring-arms,

with the shoulders, serve to keep the whole contrivance in its proper place.

To enable others skilled in the art to make my invention, I will proceed to describe its construction.

The material may be either tin, copper, or brass, or any metal that will not melt by the heat from the bowl of the pipe when lighted. I first construct the cover, perforated at the center and arranged with the spring-arms so bent as to form the shoulders before described. After constructing the stopper or plunger and attaching to it the rod, I then pass the rod through the hole in the center of the cover. Around the rod I then coil the wire spring marked C in the accompanying drawings. The spring rests at one extremity against the top of the cover, or, if it be made with a short cylinder at the center, as in the drawings, then upon the end of the cylinder, and at the other end against the knob, which is fastened to the rod by means of a screw, A A, Figs. 4 and 5. The shoulders on the spring-arms may be so made as to fit either the inner or outer circumference of the bowl, as convenience may require.

What I claim as my invention, and desire to secure by Letters Patent is—

1. The pipe-cover perforated at the center and fitted with spring-arms having shoulders, substantially as and for the purposes described.
2. The stopper or plunger, in combination with the rod and spiral spring, substantially as and for the purposes enumerated.
3. The combination of the detachable cover, as described, with the spring stopper or plunger as described.

JOHN M. BROWN.

Witnesses:

WILLIAM H. CLIFFORD,
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