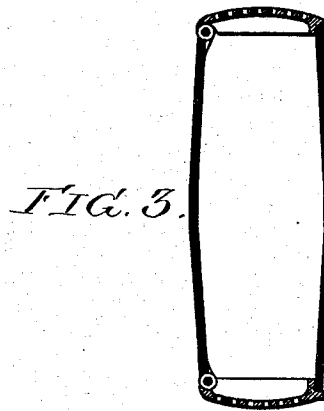
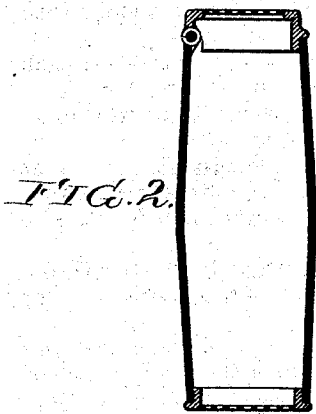
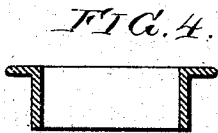
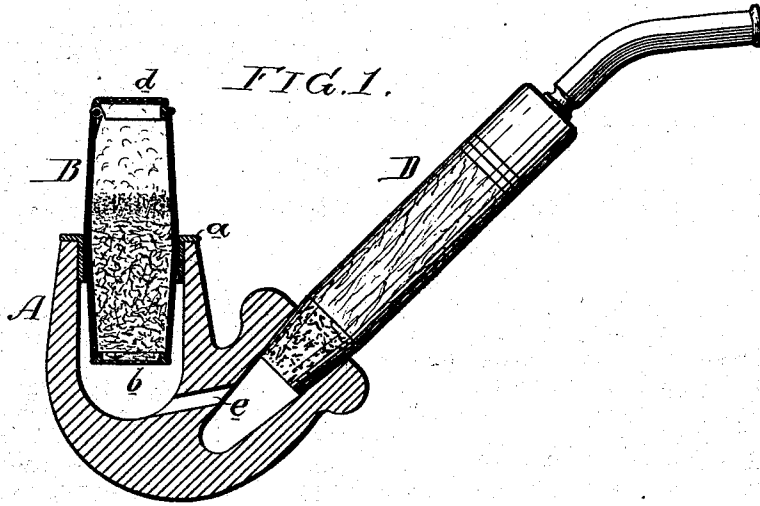


J. MACKINTOSH.
Tobacco Pipes.

No. 154,954.

Patented Sept. 15, 1874.



Witnesses, Harry Smith
Thomas McIlwain

James Mackintosh
By his Atty.
Horsus and Son.

UNITED STATES PATENT OFFICE.

JAMES MACKINTOSH, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN TOBACCO-PIPES.

Specification forming part of Letters Patent No. **154,954**, dated September 15, 1874; application filed February 7, 1874.

To all whom it may concern:

Be it known that I, JAMES MACKINTOSH, of Philadelphia, Pennsylvania, have invented an Improved Tobacco-Pipe, of which the following is a specification:

The object of my invention is to so construct a tobacco-pipe that the stem will be more free from nicotine than in ordinary pipes, and so that the main bowl may be prevented from becoming foul, a further object of my invention being to afford facilities for replenishing and relighting the pipe. These objects I attain by combining with the bowl A a receptacle, B, as shown in Figure 1 of the accompanying drawing, the said receptacle, which can be reversed at pleasure, having at each end a hinged or detachable perforated cover. The stem D of the pipe may be of the usual construction, and the bowl A may be of wood, meerschaum, or other material, and may be of the shape shown, or of any other ordinary shape. The ferrule *a* is fitted snugly to the mouth of the bowl, and is shaped internally to conform to the tapering receptacle B, so that the latter can be fitted to the ferrule with a perfectly tight joint, and in such a position that the base of the receptacle shall be considerably above the bottom of the bowl, and clear of the vent *e*. After raising the lid *d*, the tobacco may be deposited in the receptacle, ignited, and the lid closed, when the pipe is ready for use.

When the tobacco has been nearly consumed, but a portion of it at the bottom of the receptacle still remains ignited, the said receptacle may be removed, the lid opened, and the ashes shaken out, leaving the ignited portion of the

remnant of the tobacco to be used as a medium for lighting a fresh supply of the same, which should be introduced into the receptacle, and packed on the top of the ignited remnant, after which the receptacle should be reversed, and fitted to the ferrule *a*, when the fresh supply of tobacco will be beneath the ignited remnant, and the smoking can be proceeded with.

It will be observed that the receptacle is made tapering from the middle toward each end, so as to permit its reversal, in the manner described, and the introduction and easy fitting of either end.

In Fig. 2 the receptacle is shown as furnished at one end with a hinged cover, to which wire-gauze is adapted, and at the other end with a detachable ring furnished with wire-gauze.

In Fig. 3 the receptacle is furnished at each end with a perforated hinged cover.

Fig. 4 is an enlarged view of the ferrule *a*. I claim as my invention—

1. The reversible receptacle B, having at each end a detachable or hinged perforated cover, in combination with the bowl A of a tobacco-pipe.

2. The combination of the ferrule *a* with the receptacle B and bowl A of a tobacco-pipe, for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JAMES MACKINTOSH.

Witnesses:

WM. A. STEEL,
HARRY SMITH.