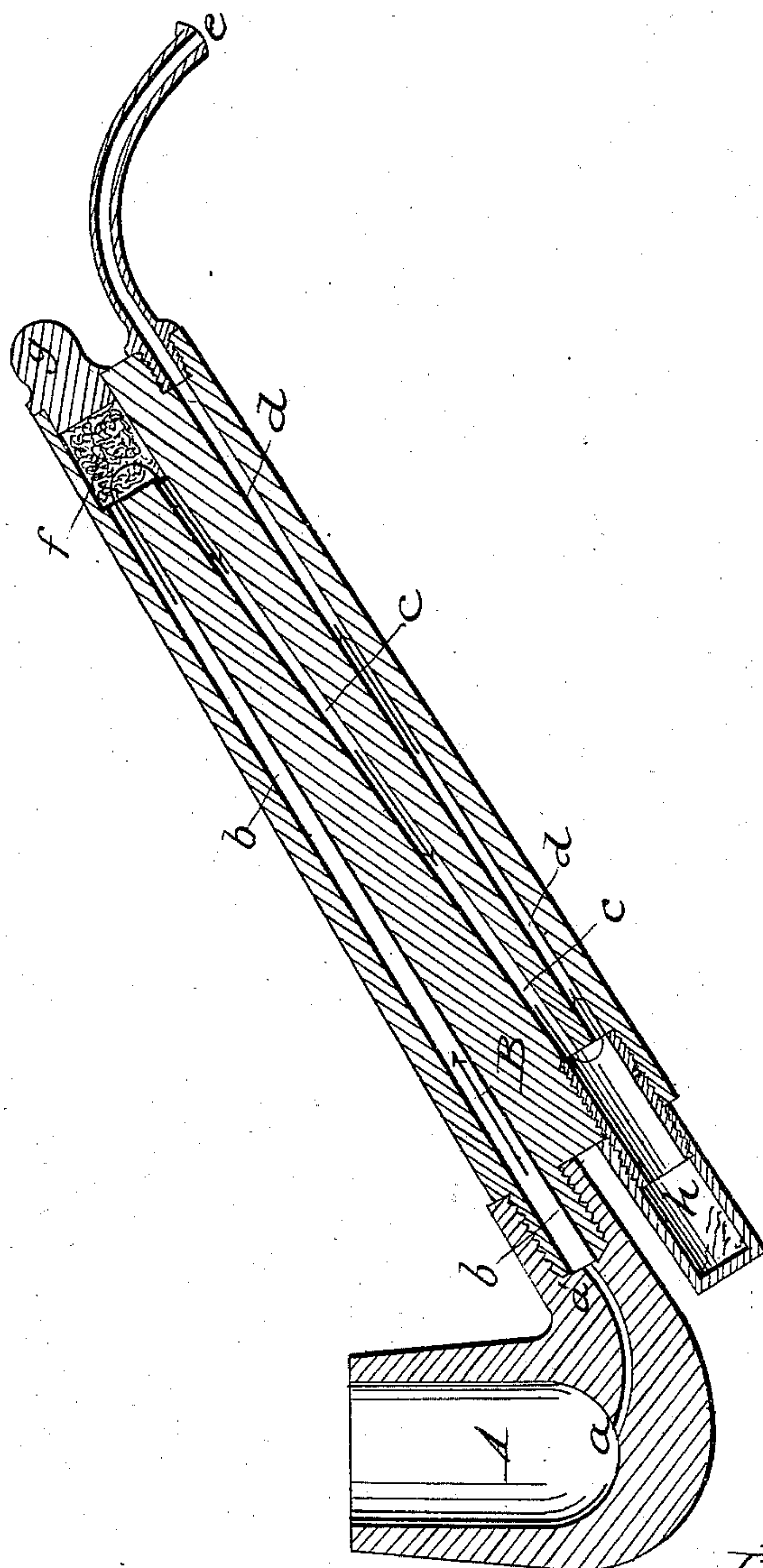


F. FICKEY, Jr.  
Tobacco Pipe Stem.

No. 43,454.

Patented July 5, 1864.



Attest

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# UNITED STATES PATENT OFFICE.

FREDERICK FICKEY, JR., OF BALTIMORE, MARYLAND, ASSIGNOR TO WM. H. FICKEY, OF SAME PLACE.

## IMPROVEMENT IN STEMS OF TOBACCO-PIPES.

Specification forming part of Letters Patent No. 43,454, dated July 5, 1864.

*To all whom it may concern:*

Be it known that I, FREDERICK FICKEY, Jr., of the city of Baltimore, in the State of Maryland, have invented a certain new and useful Improvement in the Stems of Tobacco-Pipes; and I do hereby declare the following to be a full and correct description of the same, reference being had to the accompanying drawing, in which—

Figure 1 (the sole figure on the drawing) represents a longitudinal vertical section of a pipe and stem having my improved construction.

The nature of my invention consists in the use in the stem of a tobacco-pipe of three tubes, *b c d*, arranged as described and shown, for the purpose of more effectually separating the nicotine and saliva from the smoke and collecting them in a receptacle from which they can be readily removed, and whence they will not be drawn with the smoke of the tobacco into the mouth of the smoker, thus avoiding the disagreeable taste and excoriating effect so often resulting from the use of pipes constructed in the ordinary way. The construction also secures the most perfect facility for cleaning the pipe-stem, the tubes being short and straight, and capable of being opened at both ends.

The construction of my improved pipe-stem will be easily understood from an inspection of the accompanying drawing, whereon—

A marks the bowl of the pipe, and B the stem; *a*, the tube at the bottom of the bowl, and leading from it to the stem.

*b*, *c*, and *d* mark the three tubes into which the pipe-stem is divided; *e*, the mouth-piece; *f*, the sponge-chamber; *g*, the plug of that chamber, and *h* the removable cup forming the common receptacle for nicotine and saliva. The arrows indicate the course of the smoke in its progress through the stem. The tube *b* leads from the pipe-bowl to the sponge-chamber, the tube *c* leads from the sponge-

chamber to the cup *h*, and the tube *d* leads from the cup *h* to the mouth-piece.

The bowl, plug, cup, and mouth-piece are all removable in the ordinary way, and it will be seen that by disconnecting the bowl A, the plug *g*, the cup *h*, and the mouth-piece *e* and taking the sponge from the chamber *f* the stem B will consist of three straight and short tubes open at both ends, and affording the greatest facility for cleaning by the introduction of a brush, string, or wire in the well-known mode. In its course through the stem the smoke will first meet with the sponge in chamber *f*, which will deprive it of most of its nicotine. Any nicotine that may pass the sponge will descend tube *c* and fall into cup *h*. The saliva, descending tube *d*, will also be collected in cup *h*, which, being entirely below the line of draft, will retain whatever fluids may collect in it, and not suffer them to be drawn up through tube *d* into the mouth. The cup *h* can be removed and cleaned as often as may be required.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. Constructing a tobacco-pipe stem with three tubes, arranged in the manner and for the purpose specified.

2. In combination with the above, the introduction of a sponge-chamber in the course of the tube of the pipe-stem, in the manner and for the purpose described.

3. In combination with the pipe-stem constructed as described, the removable cup *h*, arranged substantially as and for the purpose specified.

The above specification of my said invention signed and witnessed at Washington this 20th day of April, A. D. 1864.

FRED. FICKEY, JR.

Witnesses:

CHAS. F. STANSBURY,  
E. R. STANSBURY,