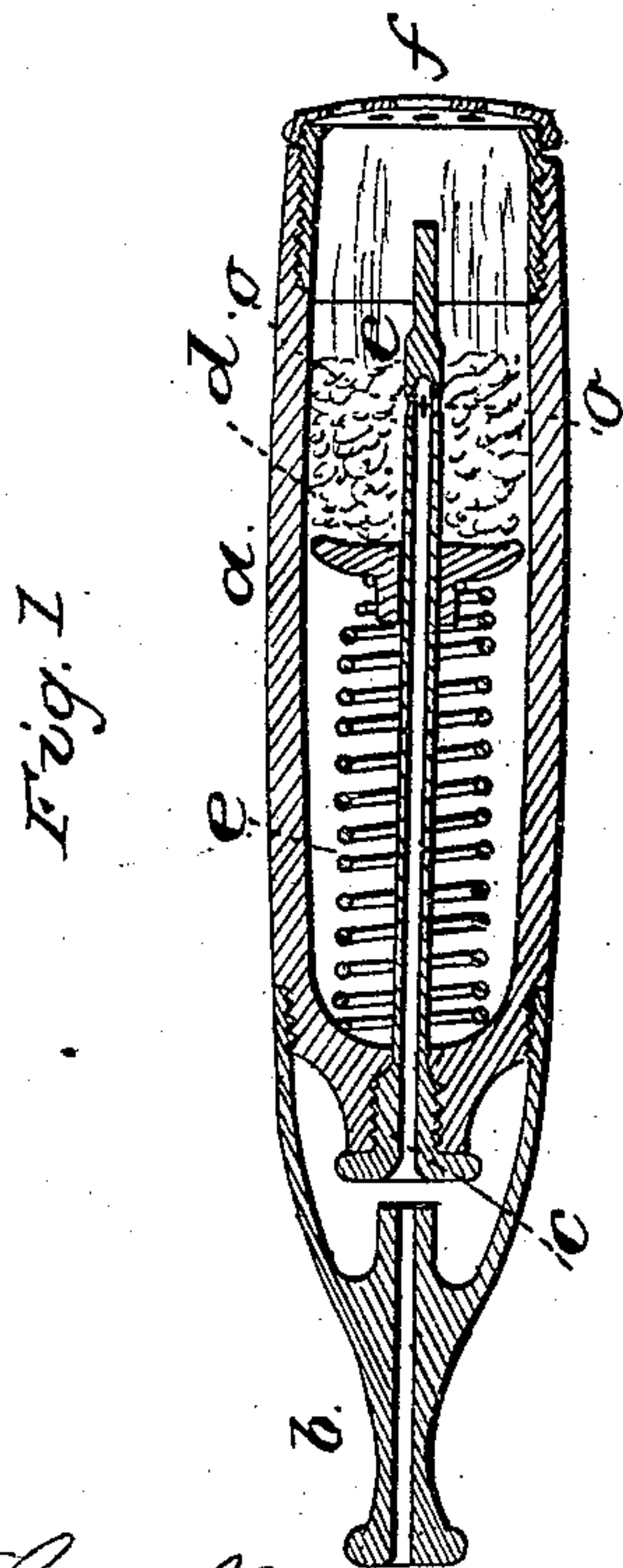
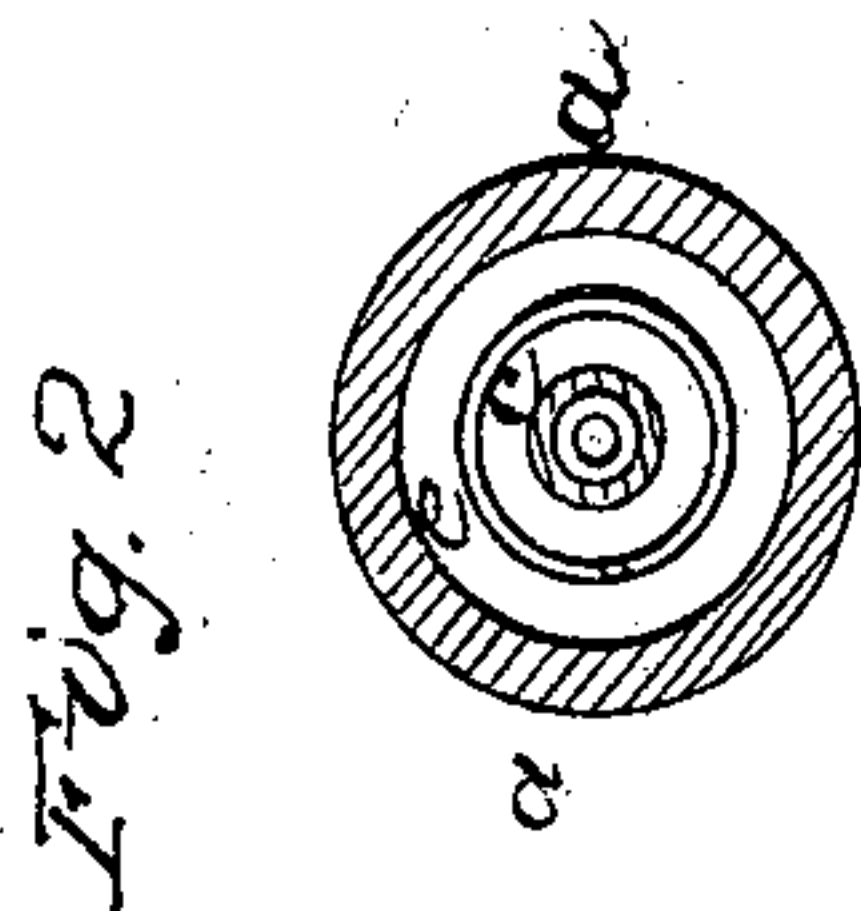


O. ERNST.  
Smoking Tube.

No. 34,745.

Patented March 25, 1862.



Witnesses

Lemuel W. Serrell

Thos Geo. Harold.

Inventor

Otto Ernst

# UNITED STATES PATENT OFFICE.

OTTO ERNST, OF NEW YORK, N. Y.

## IMPROVEMENT IN TOBACCO-PIPES.

Specification forming part of Letters Patent No. 34,745, dated March 25, 1862.

*To all whom it may concern.*

Be it known that I, OTTO ERNST, of the city, county, and State of New York, have invented, made, and applied to use a certain new and useful Improvement in Tobacco-Tubes; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making part of this specification, wherein—

Figure 1 is a longitudinal section, and Fig. 2 is a cross-section, of my improved tobacco-tube.

Similar marks of reference denote the same parts.

The nature of my said invention consists in a receptacle or tube to contain tobacco, and provided with a tube for the smoke, so fitted that only a portion of the tobacco is ignited at one time, and the tobacco is pressed forward as consumed, and, being dry and free from the condensations of vapor, burns much more freely and pleasantly than would be the case if the smoke and products of combustion were drawn through the mass of tobacco.

In the drawings, *a* is a tube of suitable size and material. *b* is a mouth-piece screwed on one end, the interior of which is hollowed out to form a chamber for the reception of any condensed vapors or watery particles, which may be removed by unscrewing said mouth-piece. *c* is a tube passing through the inside

of the tube *a*, and having around it the follower *d*, kept forward by a spring, *e*, behind it. *f* is a perforated screw-cap screwed on the end of *a*. If this tube *a* is of wood, it should be provided with a metal lining at this end extending down as far as the tobacco is burning. The spring *e* keeps the tobacco that is pressed into the tube *a* forward toward and against the perforated screw-cap *f*, and the consumption of the tobacco is between this cap *f* and holes at *o o* in the tube *c*, the draft being drawn into the said tube *c* at this point; hence all the tobacco behind that point is unacted on and unconsumed until the consumption of the tobacco in front thereof allows the spring *e* to press said tobacco forward, as required. Thus the smoking is more uniform and agreeable, and the tube is made somewhat to resemble a cigar.

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

The combination of the inner tube, *c*, and follower *d* with the spiral spring *e*, when constructed to operate in the manner and for the purposes substantially as described.

As witness my signature this 25th day of January, 1862.

OTTO ERNST.

Witnesses:

LEMUEL W. SERRELL,  
THOS. GEO. HAROLD.