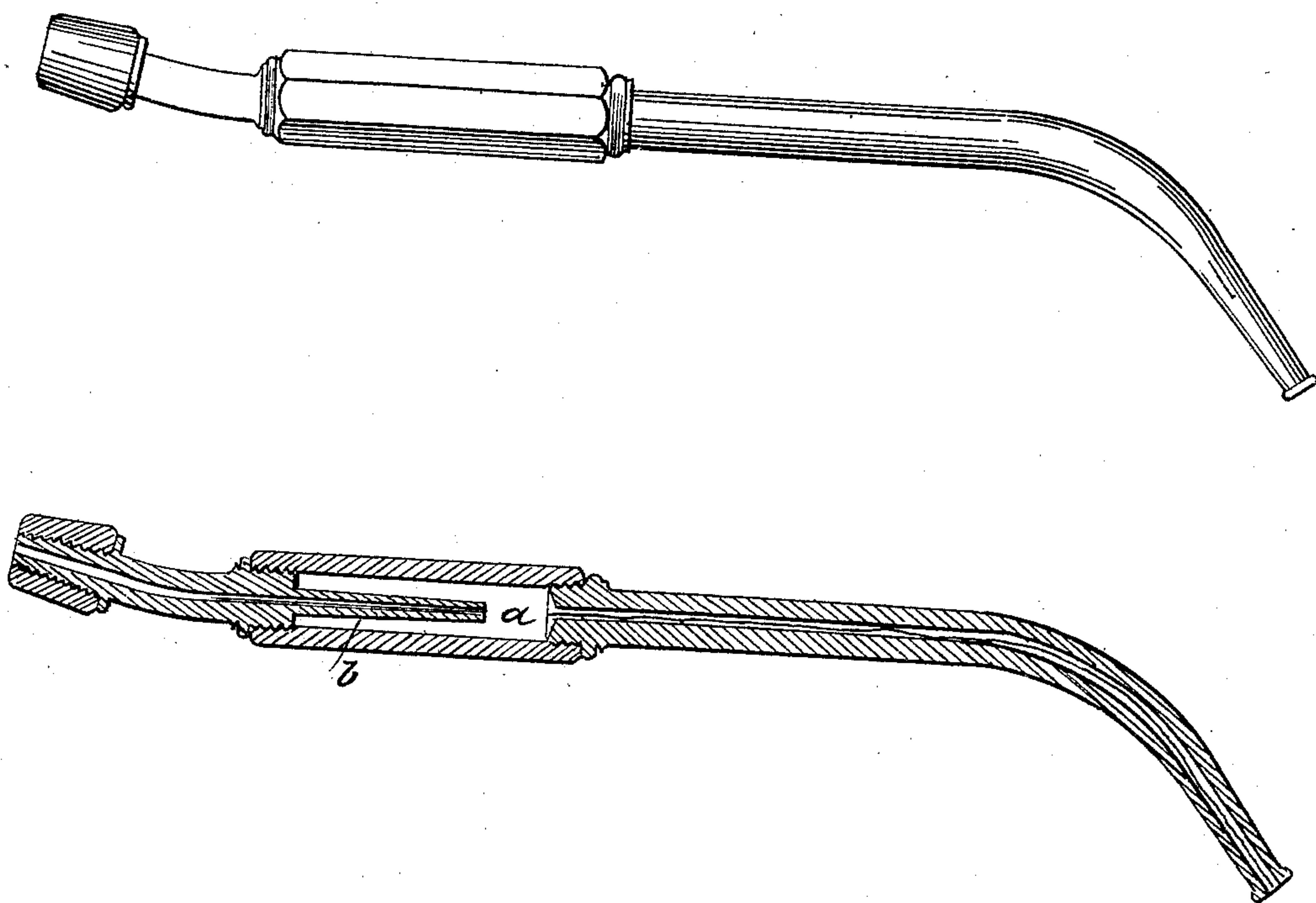


C. HINGHER.
Tobacco Pipe Stem.

No. 33,017.

Patented Aug. 6, 1861.



Witnesses

N. Williams

J. W. & V. W.

Inventor

Constantin Hingher

UNITED STATES PATENT OFFICE.

CONSTANTIN HINGHER, OF MIDDLESEX COUNTY, NEW JERSEY, ASSIGNOR
TO NOVELTY RUBBER COMPANY.

IMPROVEMENT IN STEMS FOR SMOKING-PIPES.

Specification forming part of Letters Patent No. 33,017, dated August 6, 1861.

To all whom it may concern:

Be it known that I, CONSTANTIN HINGHER, of the county of Middlesex, State of New Jersey, have invented a new and useful Improvement in the Stems of Smoking-Pipes, of which the following is intended as a clear, full, and exact description.

The smoke of tobacco contains an acrid poisonous and disagreeable oil. To separate this oil from the smoke before it reaches the mouth of the smoker is an object, the attainment of which has long been sought, and many contrivances have been devised for that purpose. My invention relates to a new, cheap, and more effectual and convenient method of effecting this object.

Figure 1 is a representation of my improved stem. Fig. 2 is a section of the same through its axis. The red line in this section denotes the aperture through which the smoke is drawn by the smoker.

a is a bulb or reservoir, placed at a suitable point in this aperture, having the small tube *b* projecting upward from its lower extremity. The smoke, as it is drawn from the pipe, passes through this tube into the reservoir *a*, where the acrid oil is deposited, after which the smoke, freed to a great extent therefrom, is drawn from the upper extremity of this reservoir into the mouth of the smoker.

This improved stem may be made from any suitable material—such as wood, clay, porcelain, hard rubber, &c. I prefer making these stems of two or more parts, connected together by screws or other suitable contrivances. When made of two parts, I usually unite those parts by a screw at or near the upper extremity of the reservoir, as shown in the drawings. When turned from ivory or other like substance, I prefer making it in at least three parts, the first of which extends from the pipe

to the chamber or reservoir, including the tube *b*. The second is the part to which the mouth-piece is attached, and the third is the cylindrical portion which surrounds the condensing-chamber, and which is attached at each of its extremities to the other corresponding portions of the stem. It will be seen that by this arrangement the condensed oil or moisture is retained in the chamber *a* and prevented from flowing back into the pipe, and by unscrewing the part to which the mouth-piece is attached this oil or moisture may readily be removed.

I am aware that the stem of a smoking-pipe has heretofore been made having a chamber at some suitable point, into which a moistened sponge or other equivalent substance was to be inserted to separate the acrid oils from the smoke before it reaches the mouth; but by that plan the oil and moisture, when it was sufficiently accumulated, was not prevented from running back into the pipe. Besides, by the plan now proposed by me, the use of the sponge or its equivalent is entirely obviated, and thus this contrivance is not only more effectual, but also more convenient than that previously in use.

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

The stem of a smoking-pipe, having a condensing-chamber to be used without the insertion of any substance therein, and so constructed that the oil or moisture which is therein condensed is prevented from running back into the pipe, substantially in the manner, and for the purpose above set forth.

CONSTANTIN HINGHER.

Witnesses:

GEO. A. VROOM,
N. WILLIAMSON.