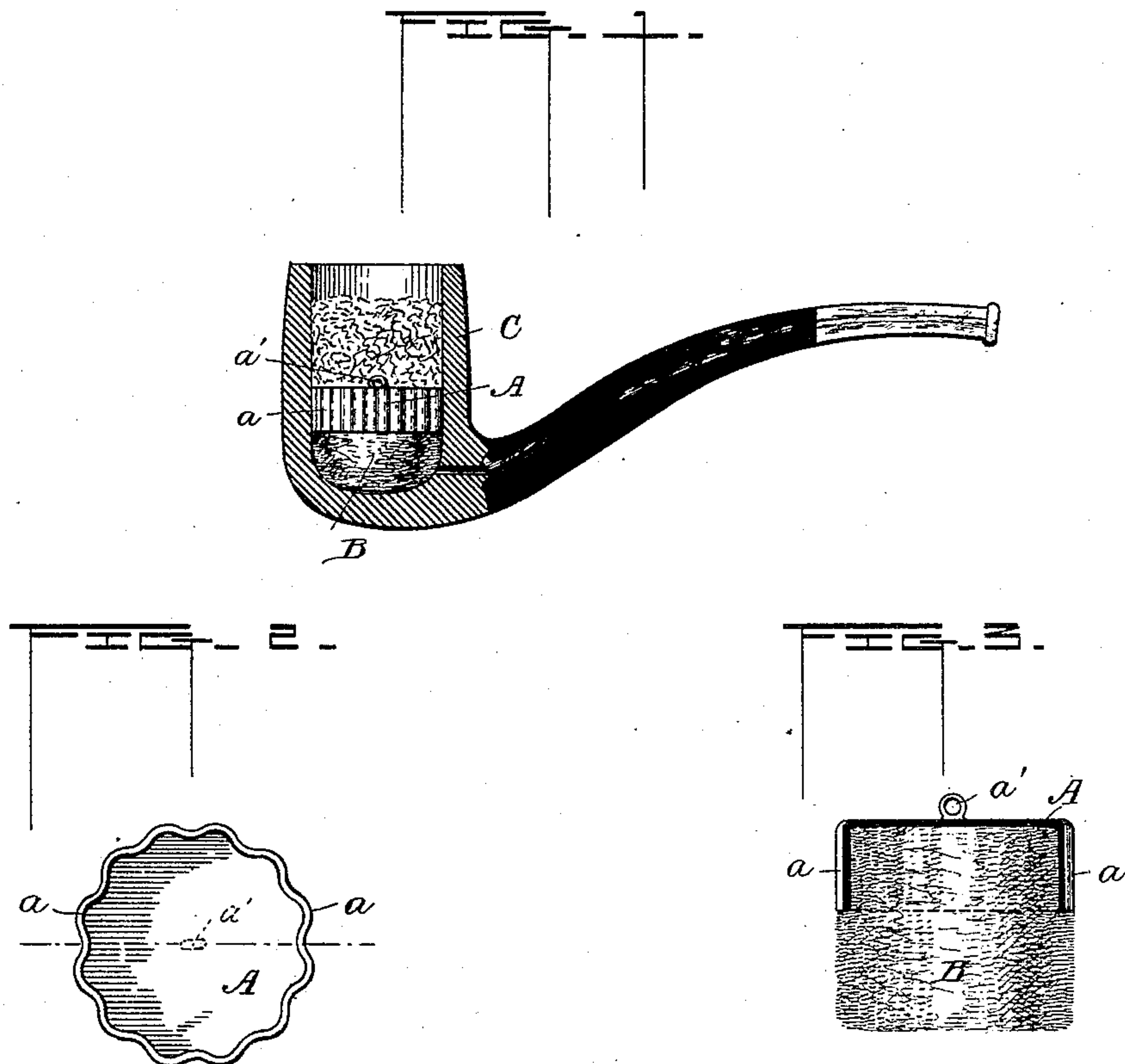


(No Model.)

S. BACKUS.
TOBACCO PIPE, &c.

No. 429,712.

Patented June 10, 1890.



WITNESSES

L. A. Corner Jr.
E. R. Corner.

INVENTOR

Stephen Backus
By P. & Dyl

UNITED STATES PATENT OFFICE.

STEPHEN BACKUS, OF CHATHAM, ONTARIO, CANADA, ASSIGNOR OF TWO-THIRDS TO CHARLES KELLER AND EBY DYER, BOTH OF SAME PLACE.

TOBACCO-PIPE, &c.

SPECIFICATION forming part of Letters Patent No. 429,712, dated June 10, 1890.

Application filed March 15, 1889. Serial No. 303,419. (No model.)

To all whom it may concern:

Be it known that I, STEPHEN BACKUS, a citizen of the Dominion of Canada, residing at Chatham, in the county of Kent and Province of Ontario, have invented certain new and useful Improvements in Tobacco-Pipes, of which the following is a specification, reference being had therein to the accompanying drawings.

10 My invention relates to improvements in tobacco-pipes and appliances connected therewith; and the objects of my improvements are, first, to provide a simple and inexpensive device adapted to be applied to all kinds of tobacco-pipes for holding any suitable absorbent; second, to provide a device by the use of which the nicotine-laden moisture set free in smoking is absorbed and the tobacco in the pipe prevented from becoming damp and charged with nicotine, its flavor lost, and its final free combustion retarded or wholly prevented, and, third, to provide a device for holding an absorbent which is adapted to be easily removed for cleansing.

25 How I accomplish these objects will be understood from the explanation hereinafter given, and by reference to the drawings, in which—

Figure 1 represents a sectional side elevation of a tobacco-pipe containing my improvements; Fig. 2, a plan view of the bottom of the cup-shaped device or cap, and Fig. 3 a sectional side elevation of the cup-shaped device or cap and the absorbent.

35 A represents a cap or cup-shaped device, having its outer periphery corrugated. *a* represents said corrugations.

a' represents an eye by which the device A may be easily removed from the bowl of the pipe by means of a small hook. (Not shown in the drawings.)

B represents the absorbent, and C the charge of tobacco.

The cap or cup-shaped device A is made in suitable sizes to fit the bore of the pipe, its corrugated sides reaching nearly to the bottom of the bore, inclosing and covering the absorbent, the seams between the corrugations on the outer periphery affording suitable vents for the passage of the smoke to the stem. The smoke laden with moisture and nicotine comes down through the small openings or passage-ways formed by the corrugated sides of A, the moisture and nicotine being absorbed up under the cap or cup-shaped device, thus cleansing the smoke before its passage into the stem. The same or a similar result may be obtained by the use of a cap or cup-shaped device constructed plain and without corrugations upon its outer periphery, to be used in combination with a tobacco-pipe having a corrugated bore, and I consider such a combination substantially the equivalent of my invention. The device A may be lined upon the inside above the absorbent with asbestos paper to further protect the absorbent from combustion.

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

A tobacco-pipe the bowl of which is provided with an absorbing device consisting of an inverted-cup-shaped cap A, corrugated on its outer periphery, having a suitable absorbent B, as and for the purposes set forth.

In testimony whereof I affix my signature in presence of two witnesses.

STEPHEN BACKUS.

Witnesses:

J. M. PIKE,
EDWIN BELL.