

C. ROSS, Jr.
SMOKING-TUBE.

No. 175,877.

Patented April 11, 1876.

Fig. 2.

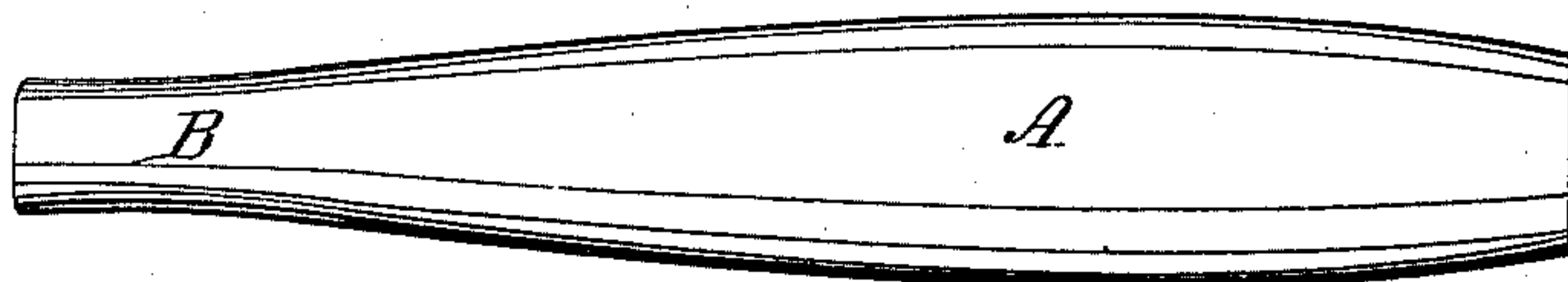
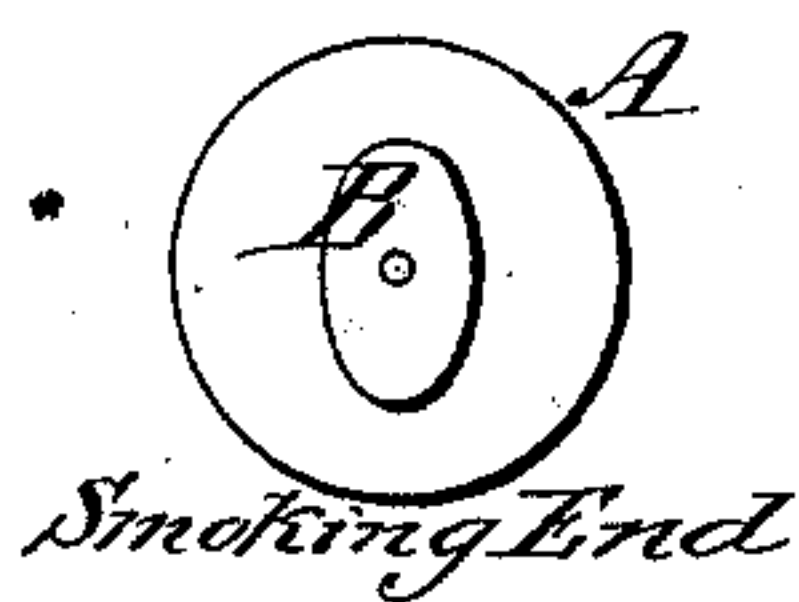
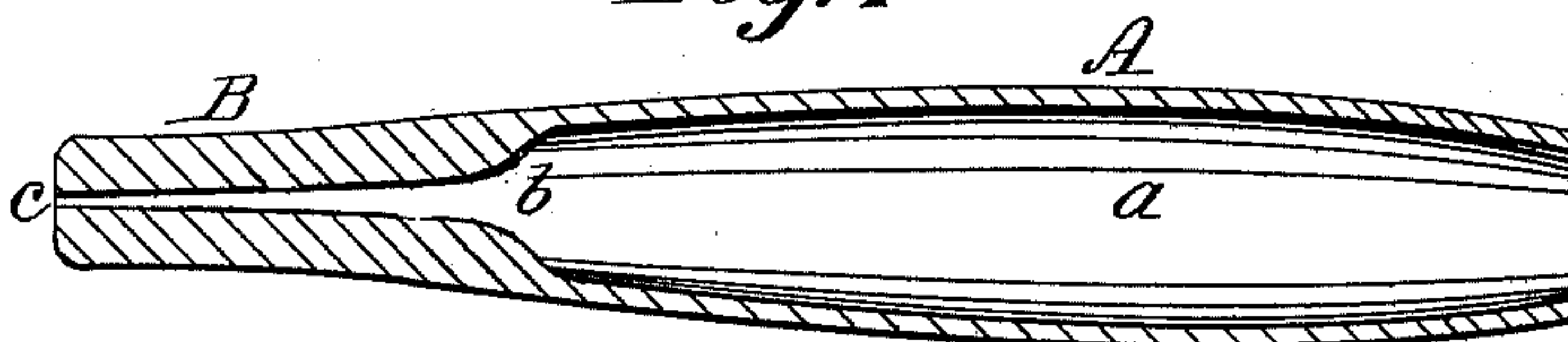


Fig. 1



Witnesses:

Joseph Hoffling
Adolph Hoffling

Inventor:

Charles Ross Jr.

UNITED STATES PATENT OFFICE.

CHARLES ROSS, JR., OF BROOKLYN, NEW YORK.

IMPROVEMENT IN SMOKING-TUBES.

Specification forming part of Letters Patent No. 175,877, dated April 11, 1876; application filed May 31, 1875.

To all whom it may concern:

Be it known that I, CHARLES ROSS, Jr., of the city of Brooklyn, county of Kings and State of New York, have invented a new and useful Improvement in Manufacturing Pipes, made of plaster, clay, meerschauum, or other porous materials, for use in smoking cut tobacco; and I do hereby declare that the following is a full description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The object of my invention is to furnish a cheap and convenient smoking-tube which may be brought within the reach of the laboring class of workmen, on account of its simplicity and cheapness of manufacture, and one in which, from its particular internal form, will not be liable to become choked, and whereby plug or fine-cut tobacco may be used therein, as may be desired.

The invention consists in the device being made of a single piece of ordinary clay, white or colored, as may be desired, having the particular configuration internally, as hereinafter more fully set forth.

Figure 1 is a vertical longitudinal section of my smoking-tube. Fig. 2 is a side view of the same.

The smoking-tube is formed of clay in molds, and has a tobacco-receptacle, *a*, running about half way through the device, which gradually converges at *b*, where the stem part or smoke-passage commences. This smoke-passage is much the largest at *b*, and likewise converges to the tip *c*. The bowl part *A* is left thin, in order that the device may be light and easily

held between the teeth, while the stem part *B* is made considerably thicker, as it is smaller, or less in diameter, and requires additional thickness to give strength.

I am well aware that smoking-tubes of the general configuration of mine are not new, and that they have been made with a clay exterior, but expensive internal linings, which not only increase the cost of manufacture and make them complicated, but render them so expensive that they are not within the reach of the class of laborers for which mine is intended. Moreover, the particular configuration of the tobacco-receptacle and smoke-passage prevents the device from becoming clogged or choked when in use, or, if choked, easily removed. I have thus produced a cheaper and simpler article of this class of devices for the trade than has heretofore been made, and have placed a smoking-tube within reach of all classes of smokers.

The converging walls of the channel *b c*, opening into the receptacle *a* with a flaring or bell mouth, has the effect of giving a cigar-like draw to the smoker, while avoiding the liability to choke at the junction of the chamber and channel.

I claim—

The clay smoking-tube herein described, formed in one piece and having the internal form, as and for the purpose set forth.

CHARLES ROSS, JR.

Witnesses:

JOSEPH HOFFFLING,
ADOLPH HOFFFLING.