

W. D. SMITH.
Lamp-Wick.

No. 200,096.

Patented Feb. 5, 1878.

Fig. 1.

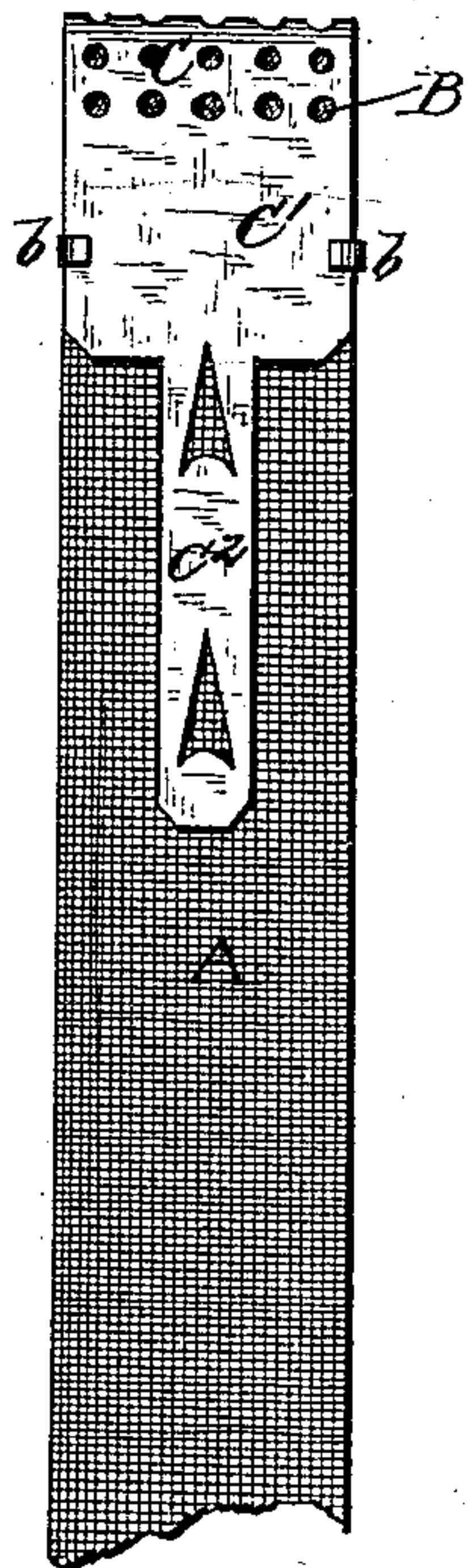
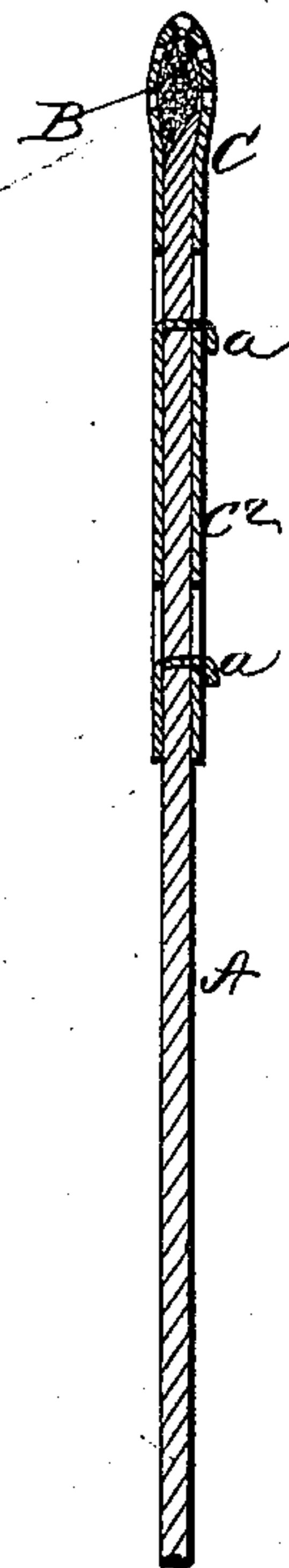


Fig. 2.



WITNESSES
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UNITED STATES PATENT OFFICE.

WALTON D. SMITH, OF PROPHETSTOWN, ILLINOIS, ASSIGNOR OF ONE-HALF
HIS RIGHT TO F. J. BARBER, OF SAME PLACE.

IMPROVEMENT IN LAMP-WICKS.

Specification forming part of Letters Patent No. **200,096**, dated February 5, 1878; application filed
December 18, 1877.

To all whom it may concern:

Be it known that I, WALTON DUANE SMITH, of Prophetstown, in the county of Whitesides and in the State of Illinois, have invented certain new and useful Improvements in Lamp-Wicks; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to lamp-wicks; and it consists in combining, with an ordinary lamp-wick, an asbestos tip and a struck-up sheet-metal cap for holding the same to the end of the wick, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a side view, and Fig. 2 a longitudinal section.

A represents an ordinary lamp-wick, on the end of which is a tip, B, of asbestos. The asbestos tip B is held to the wick by means of a perforated sheet-metal cap, C, which is struck up from a single piece of metal in the following manner: The body of the piece of sheet metal is made of the same width as the lamp-wick, and the center portion C thereof is provided with numerous perforations, leaving an imperforated portion, C¹, at each end thereof. From the center of each part extends a strap, C², as shown. From each strap C² are cut triangular or V-shaped tongues *a a*.

The entire plate may be cut at one time by suitable dies, and is then bent in the center,

the perforated portion or cap C surrounding the asbestos tip B, the imperforated portions C¹ and straps C² extending down the sides of the wick. The tongues *a* on one of the straps C² are cut or broken off, and those on the other strap are passed through the wick, through the hole in the strap on the opposite side, and then clinched.

Near the end of the part C¹ on one side, between it and the wick, are placed two narrow metal strips, *b b*, which extend across and beyond the edges of the wick, and their ends then bent in opposite directions to hold the wick and the metal cap closely together. The ends of the metal cap, with the wick between them, may be fastened together by eyelets, or in any other suitable manner; or, in place of making the cap of sheet metal, it may be made of wire-gauze, if so desired.

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

1. The sheet-metal cap constructed, as described, of the perforated part C, imperforated parts C¹ C¹, and straps C² C², with tongues *a a*, in combination with the wick A and asbestos tip B, substantially as and for the purposes herein set forth.

2. The strips *b b*, in combination with the cap, tip, and wick, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 19th day of November, 1877.

WALTON DUANE SMITH.

Witnesses:

F. J. BARBER,
SHERMAN G. BALDWIN.