

No. 798,799.

PATENTED SEPT. 5, 1905.

E. KERSEY.
GAS BURNER TIP.
APPLICATION FILED MAY 31, 1905.

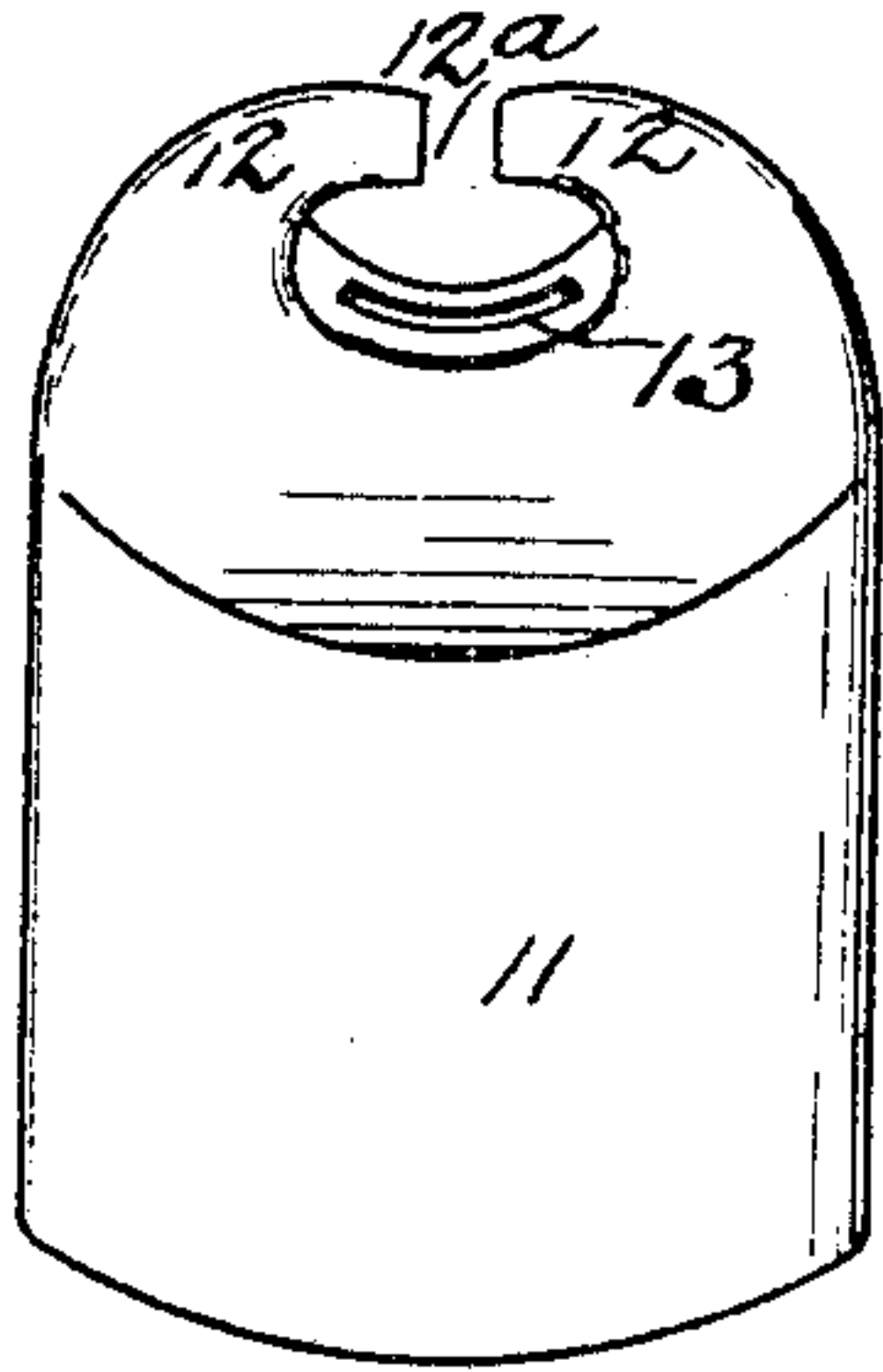


Fig. 1.

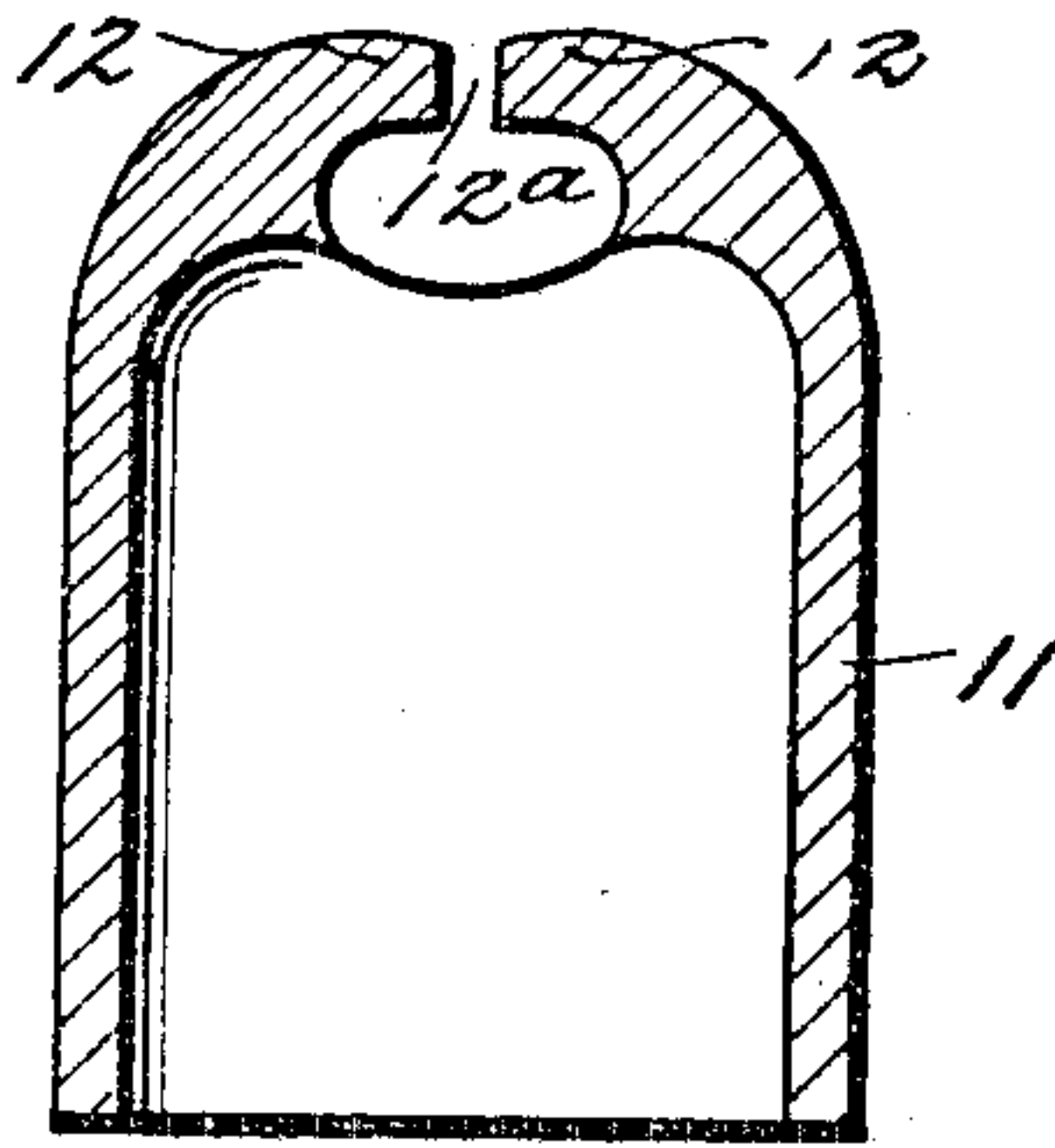


Fig. 2.

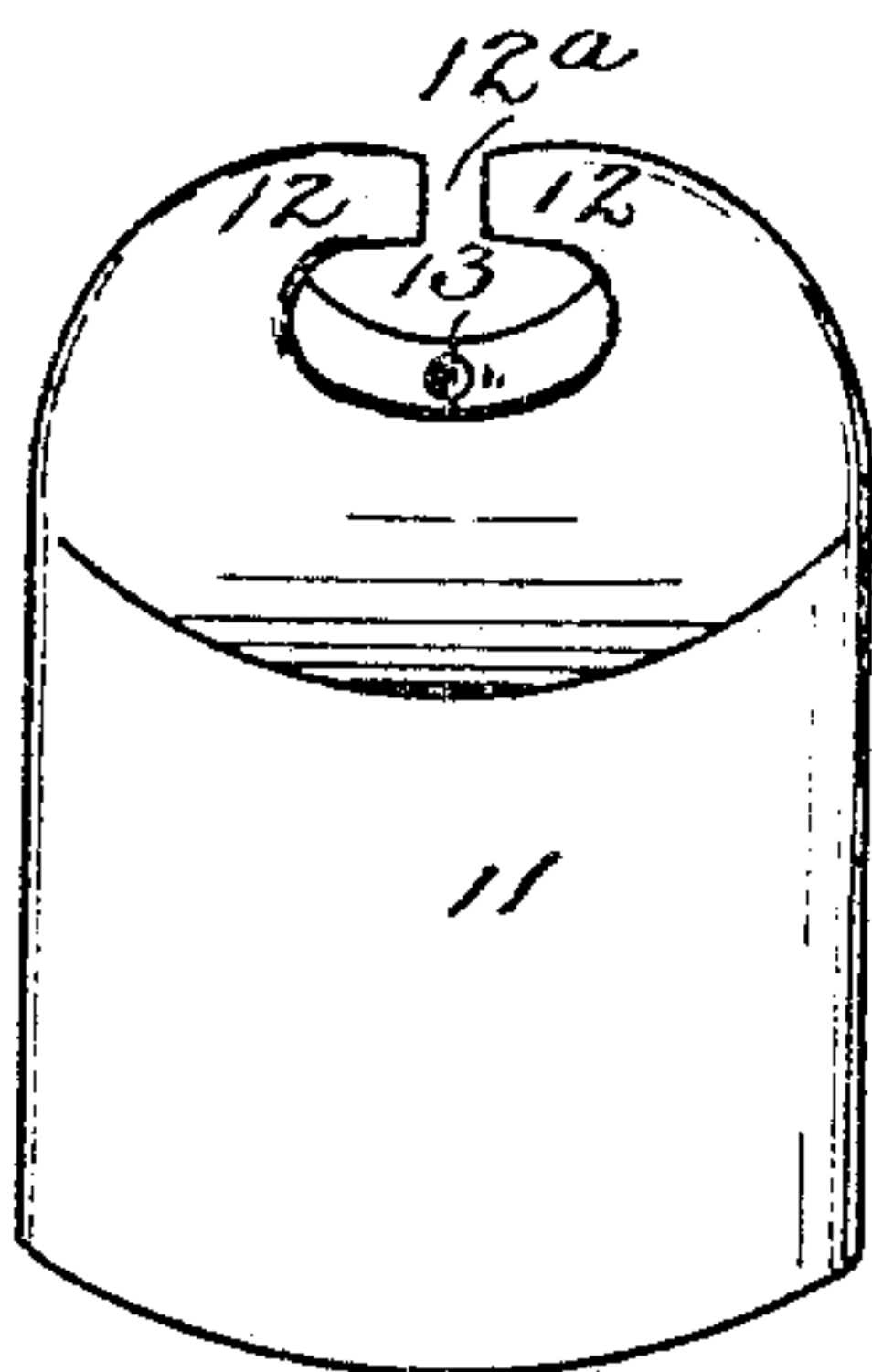


Fig. 3.

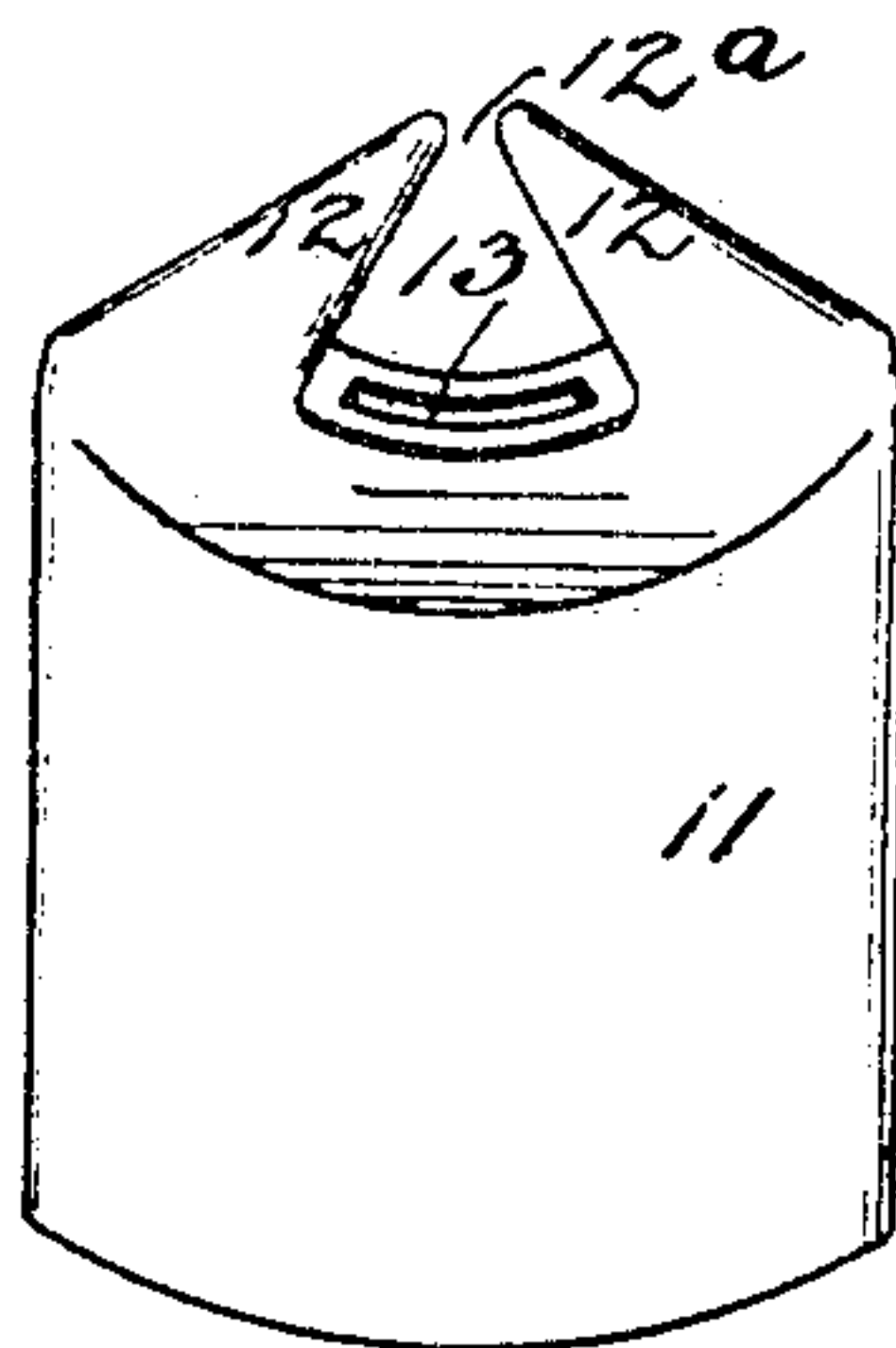


Fig. 5.

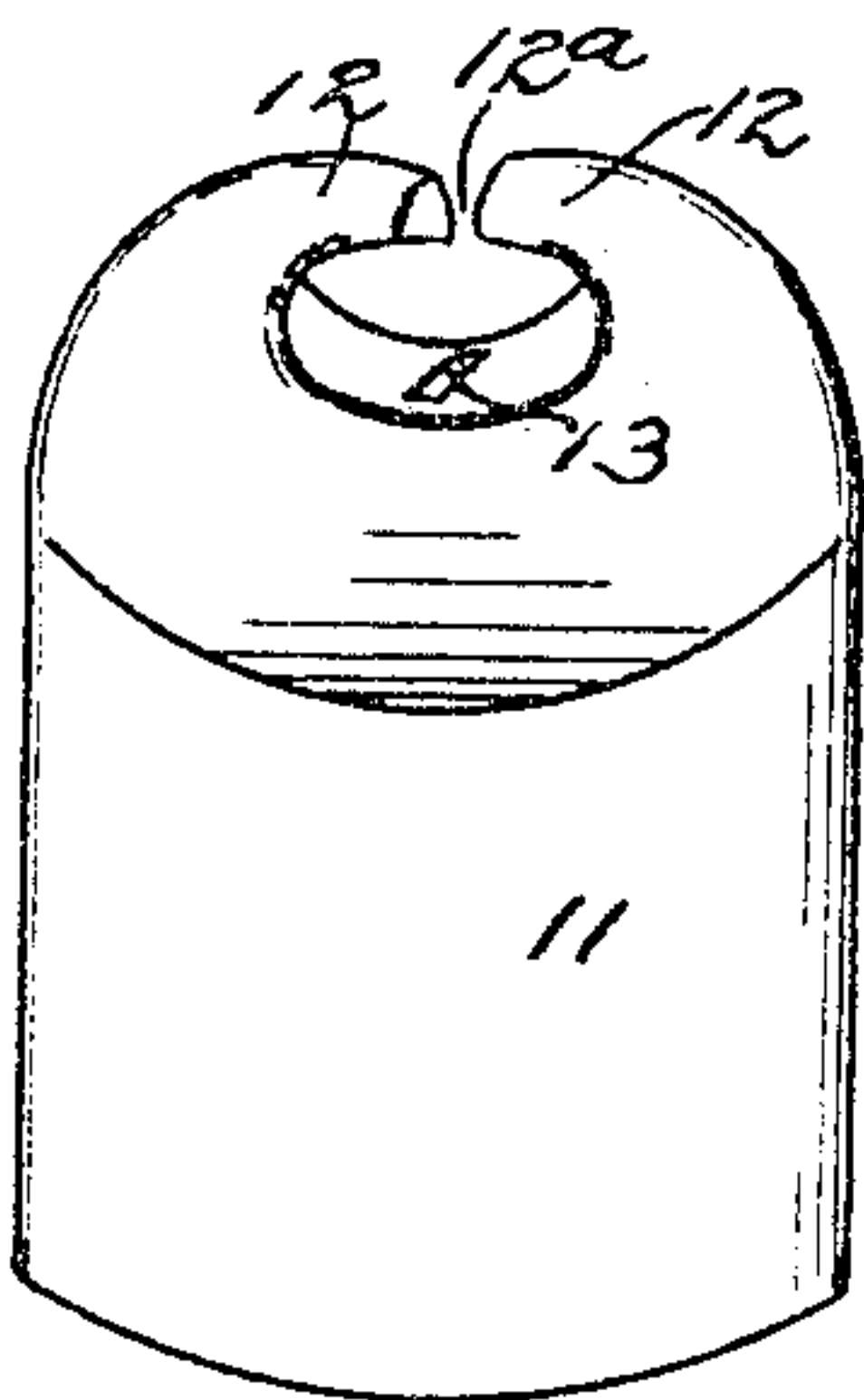


Fig. 4.

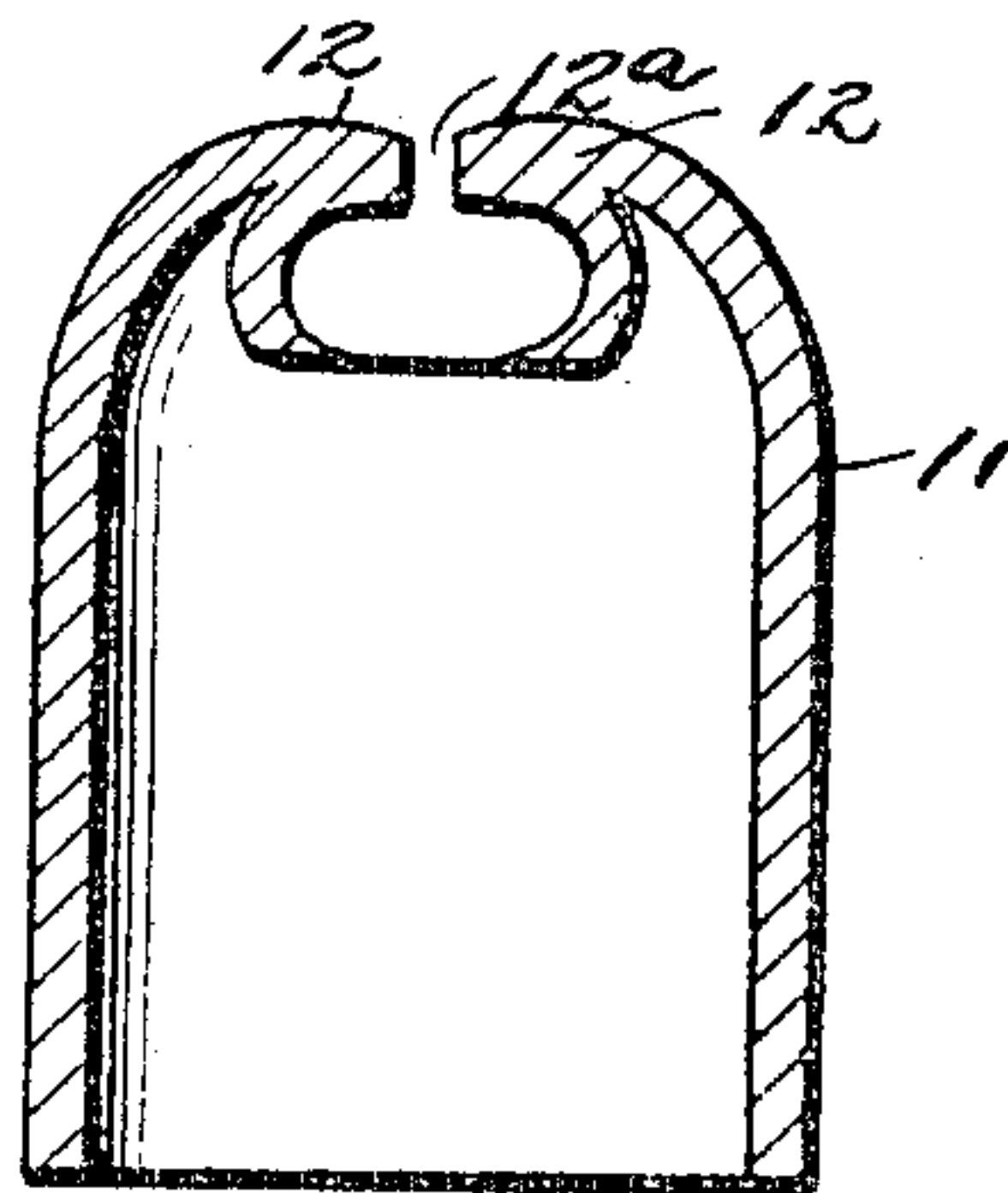


Fig. 6.

Witnesses
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UNITED STATES PATENT OFFICE.

EDWARD KERSEY, OF CHICAGO, ILLINOIS.

GAS-BURNER TIP.

No. 798,799.

Specification of Letters Patent.

Patented Sept. 5, 1905.

Application filed May 31, 1905. Serial No. 263,087.

To all whom it may concern:

Be it known that I, EDWARD KERSEY, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Gas-Burner Tips, of which the following is a specification.

This invention is a gas-burner tip or jet piece; and the object thereof is to provide improved means for spreading or forming the flames especially to produce a fan-shaped flame of large lighting power.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of one of the tips. Fig. 2 is a section thereof. Figs. 3, 4, and 5 are perspective views of modifications. Fig. 6 is a sectional view of a modification.

The tip shown herein is preferably formed of metal, such as aluminium, and may conveniently be made from metal in a tubular form by pinching and shaping the ends thereof; but it may be made of other suitable or preferred material.

Referring specifically to the drawings, 11 indicates the tubular body of the tip, which terminates at the top in two horns 12, presented oppositely toward each other and curved to project over the hole 13, through which the gas-jet is delivered. These horns are not open—that is, no gas is delivered therefrom; but they serve to produce a narrow space 12^a above the jet-hole and by reason of their shape spread the jet or flame laterally.

The jet-hole 13 may be made any shape de-

sired. Thus in Fig. 1 it is shown as a slit extending lengthwise between the horns 12. In Fig. 3 it is shown as a round hole and in Fig. 4 as a slit extending crosswise. In Fig. 5 the horns 12 instead of being curved project toward each other in a straight line. Various other modifications will suggest themselves, while preserving the distinctive feature of a pair of horns or projections which extend over the jet-hole with a narrow space between the ends thereof.

The horns may be made solid, as indicated in Fig. 2, or they may be made hollow, as shown in Fig. 6, the variation depending upon the method and material of manufacture rather than upon any difference in function incident thereto.

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

1. A gas-burner tip having a jet-hole and the body of which terminates in two horns on opposite sides of the hole, and projecting thereover toward each other.

2. A gas-burner tip having a jet-slit and a tubular body which terminates at the top in two horns on opposite sides of the slit and curved thereover toward each other.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EDWARD KERSEY.

Witnesses:

SIGNA FELTSKOG,
H. G. BATCHELOR.