M. B. DYOTT.

Sheet Metal Attachment for Gas Burners

No. 168,463. Patented Oct. 5, 1875.

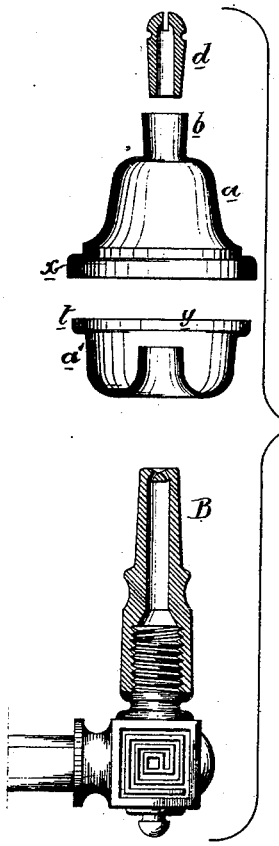

FIG. 1.

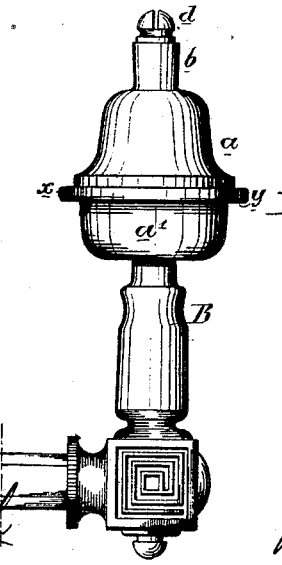

FIG. 2.

Witnesses,
Harry Smith
Thomas McElwain

Michael B. Dyott
by his Attys.
Howson and Son.

UNITED STATES PATENT OFFICE.

MICHAEL B. DYOTT, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN SHEET-METAL ATTACHMENTS FOR GAS-BURNERS.

Specification forming part of Letters Patent No. **168,463**, dated October 5, 1875; application filed February 26, 1874.

To all whom it may concern:

Be it known that I, MICHAEL B. DYOTT, of Philadelphia, Pennsylvania, have invented an Improvement in and Mode of Making Attachments for Gas-Burners, of which the following is a specification:

My invention relates to an improvement in attachments which have been heretofore applied to gas-burners in order to permit the expansion of the gas immediately before it escapes from the tip; and the object of my invention is to insure the prompt and accurate fitting of the attachment, which is made of sheet metal, to the gas-burner—an object attained in the manner which I will now proceed to describe, reference being had to the accompanying drawing, in which—

Figure 1 represents the attachment with its two parts as they appear before they are fitted together, Fig. 2 showing the attachment complete.

The two parts *a* and *a'* are made of sheet-brass, and of the form shown, by the well-known process of "spinning," the two parts being united by compressing the flange of one to that of the other. The feature which constitutes the subject of this application is the formation of the internal socket *e* within the lower portion of the attachment for fitting over the tip B of the gas-burner. This socket is made of the same metal which forms the lower part of the attachment, the metal being so bent as to present a flaring lower entrance to the socket.

This construction and arrangement of the socket presents two advantages: First, its flaring entrance permits the ready application of the attachment to the tip B of the gas-burner; and, second, a more accurate fitting of the attachment to the said tip, for I have found in practice that the internal socket, when composed of the same metal which forms the lower portion of the attachment, and when it has a flaring entrance, can be fitted more snugly to the burner than an external socket.

I do not claim, broadly, an internal socket on the attachment, nor the attachment made in two parts; but

I claim—

The within-described attachment for gas-burners, having a socket, *e*, formed within and of the same metal as the lower portion of the attachment, and presenting a flaring lower entrance for the admission of the burner, all as set forth.

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

M. B. DYOTT.

Witnesses:

CHAS G. DYOTT,

WM. A. STEEL.