

R. HUTTON.

Lamp Burner.

No 95,115.

Patented Sept. 21, 1869.

Fig. 1

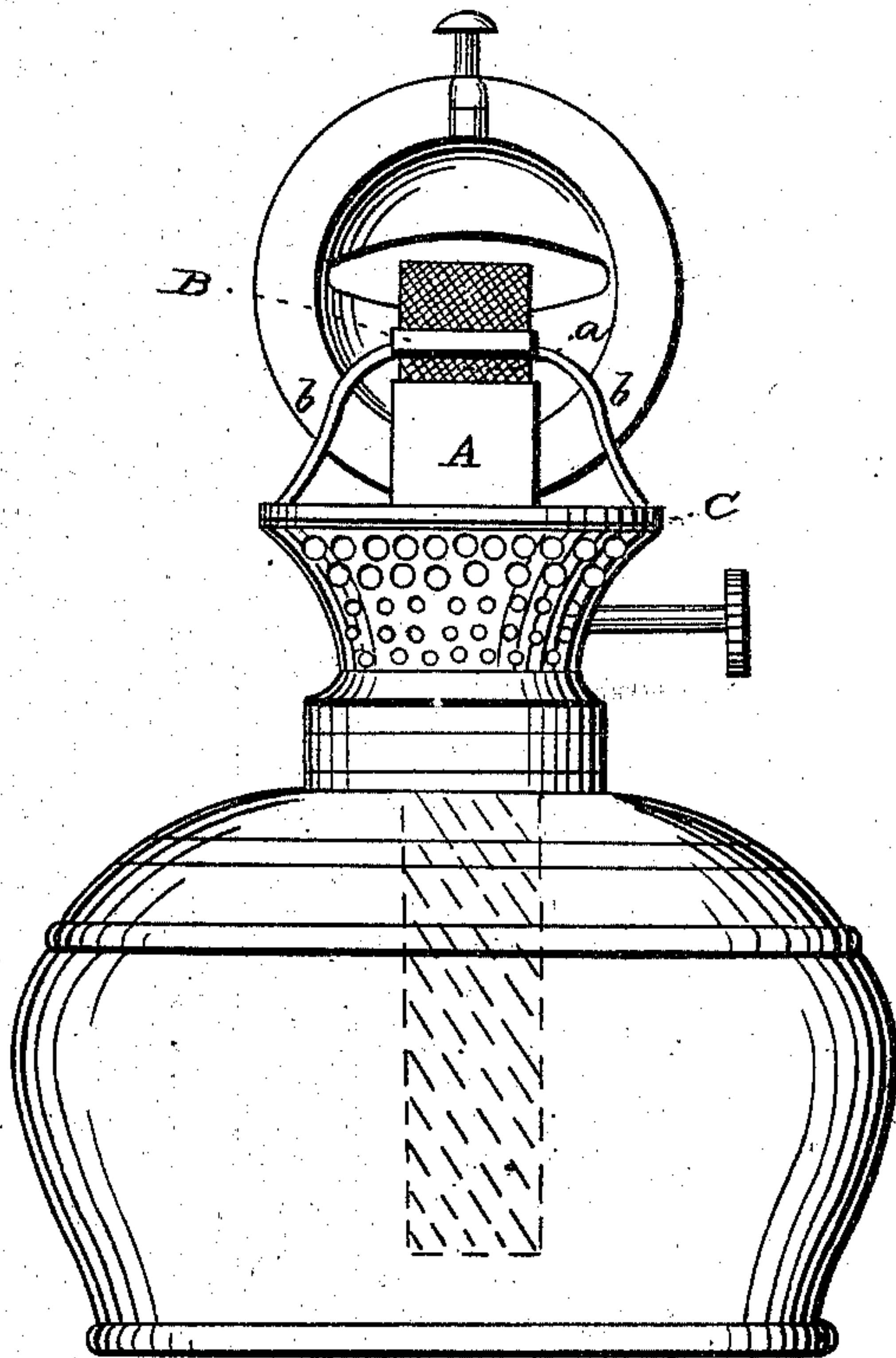
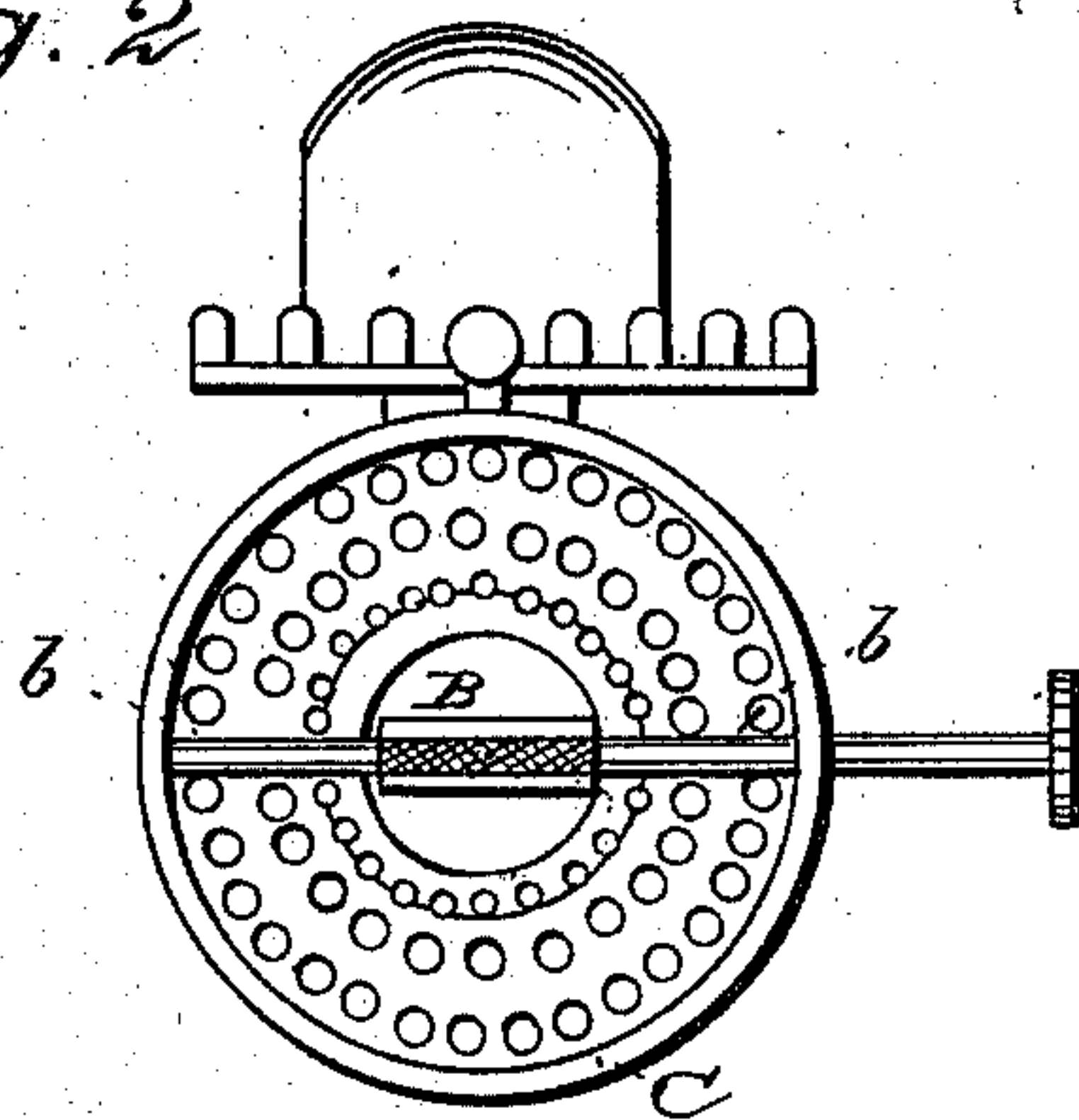


Fig. 2



Witnesses

G. M. Sympton
H. L. Wattenberg

Inventor

Robert Hutton
per G. M. Sympton
attys

United States Patent Office.

ROBERT HUTTON, OF WILLIAMSBURG, NEW YORK, ASSIGNOR TO
HIMSELF AND JOSEPH T. G. MIDDLETON, OF SAME PLACE.

Letters Patent No. 95,115, dated September 21, 1869.

IMPROVEMENT IN ATTACHMENTS FOR LAMP-BURNERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, ROBERT HUTTON, of Williamsburg, in the county of Kings, and State of New York, have invented a new and improved Lamp-Burner; and that the following description, taken in connection with the accompanying drawings, hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvement, by which my invention may be distinguished from all others of a similar class; together with such parts as I claim, and desire to have secured to me by Letters Patent.

This invention is an improved attachment for lamp-burners, intended to conduct the heat from the burning wick to the outer part or gallery of the burner, and thereby prevent its transmission to the oil-reservoir.

The device consists of a sort of rectangular metallic frame, surrounding and in contact with the upper part of the wick, and made in one piece, with arms which are attached in any suitable manner to the gallery of the burner, the whole forming no part of the burner proper, but constituting a new and useful article of manufacture, applicable to almost all kinds of burners as well after as before they have been used.

The invention consists in the construction of the device as hereinafter specified.

The accompanying drawings, taken in connection with this specification, will enable others skilled in the art to make and use my invention.

Figure 1 represents a side view or front elevation, and

Figure 2, a plan or top view of my invention.

Similar letters of reference indicate corresponding parts in the several drawings.

A represents an ordinary flat tubular passage for the wick of a lamp, and

B, a rectangular guide placed above and in prolongation of the tube A, but in no wise attached or in contact with it, the intervening space *a* preventing such contact.

The guide B is supported and kept in position by the braces *b b*, which are attached to its sides and to the surrounding gallery C, as is clearly shown in fig. 1.

It will be observed that the flame or burning part of the wick is brought immediately in contact with the guide B, and not with the tubular passage A, so that the great heat from the burning wick and oil is received directly by the guide B, which is constructed very thin and narrow, rendering it less likely to absorb or retain much heat, but the little it may absorb is conducted away from the wick by the supports or braces *b b*, thus preventing the generation of explosive gases by any undue amount of heat as applied to the wick and oil by the overheating of the burner or any of its parts.

It is proposed in practice, in order to present as small a surface as possible to the flame, to flare out the sides of the guides B to such angle as will bring but little else than the mere edge in contact with the blaze, besides allowing the air to fill the space between the wick and the guide, and thus act as a non-conductor of heat. This last-mentioned feature is clearly shown in my drawings, and I desire that it shall be regarded as part of my invention.

I do not claim, broadly, the provision of a conductor to prevent the heat of the burning wick from being transmitted to the oil-reservoir, as I am aware that this is not new, several devices having been devised for this purpose, but differing from mine in construction; but

Having thus described my invention,

What I desire to secure by Letters Patent, is—

A lamp-burner attachment composed of the part B, with arms *b b*, all made in one piece, as a new article of manufacture, when it forms no part of the burner proper, but is separately applicable as and for the purpose herein described.

ROBERT HUTTON.

Witnesses:

H. L. WATTENBERG,
G. M. PLYMPTON.