

C. M. MITCHELL.
GLOBE HOLDER FOR GAS FIXTURES.

No. 90,287.

Patented May 18, 1869.

Fig. 1.

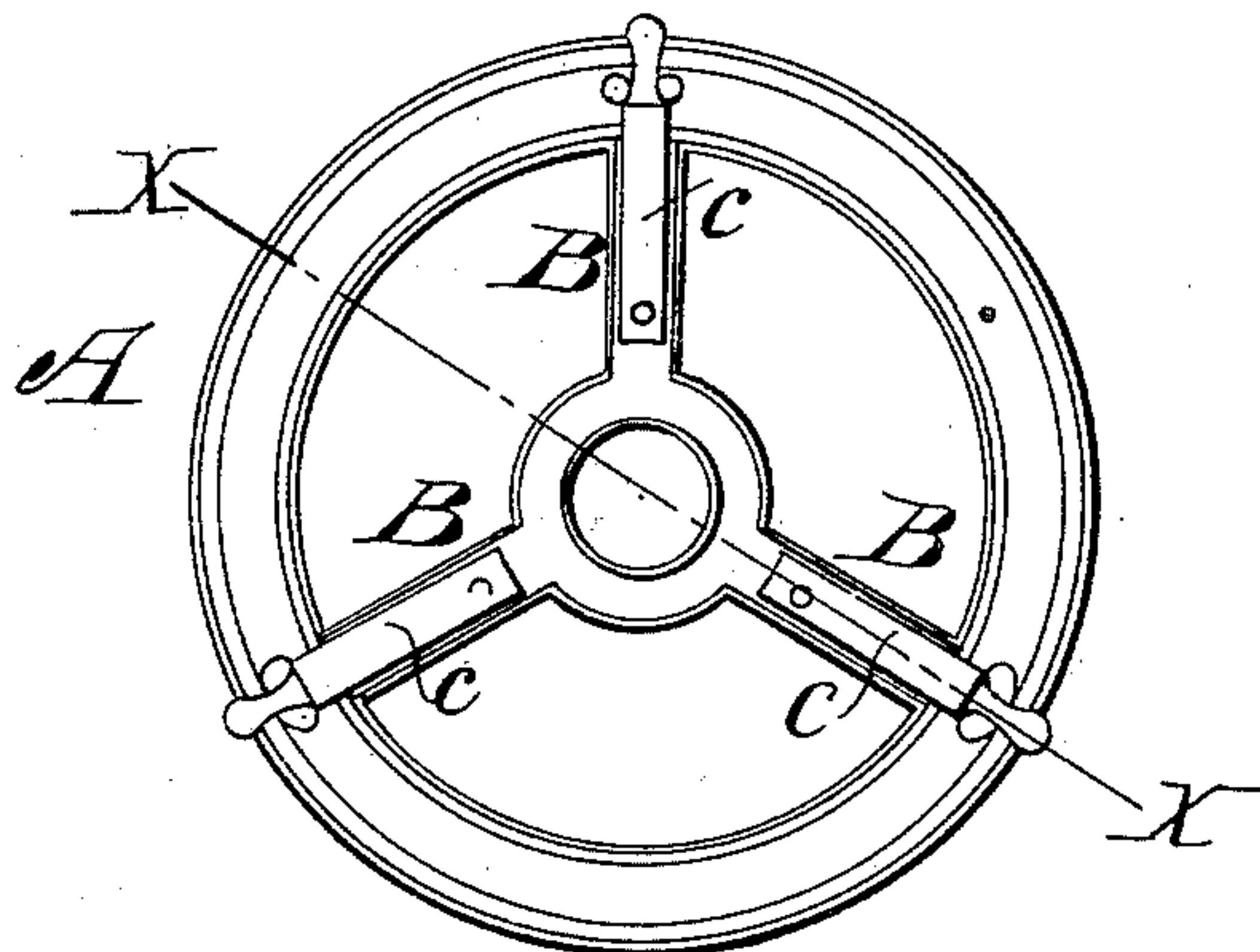


Fig. 2.

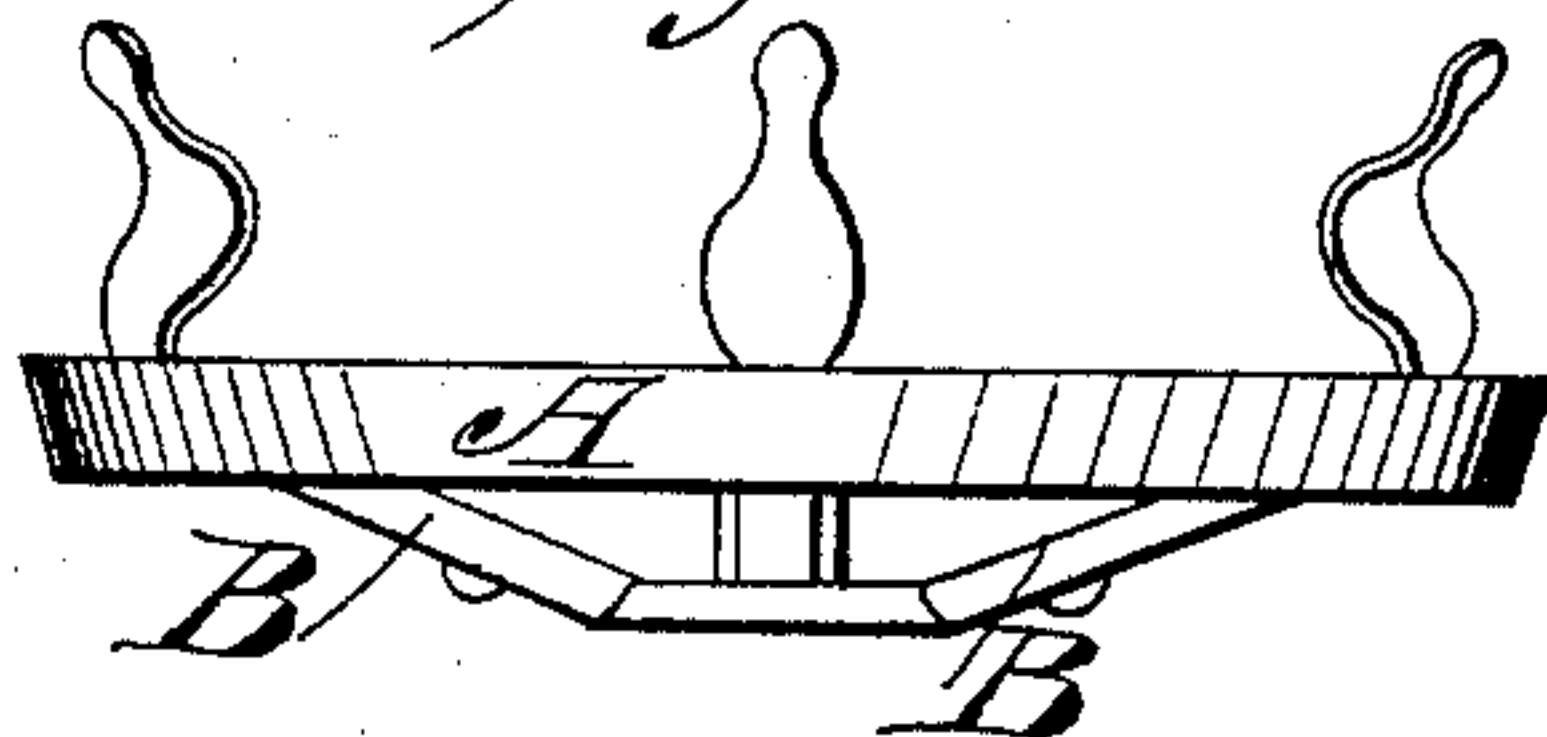
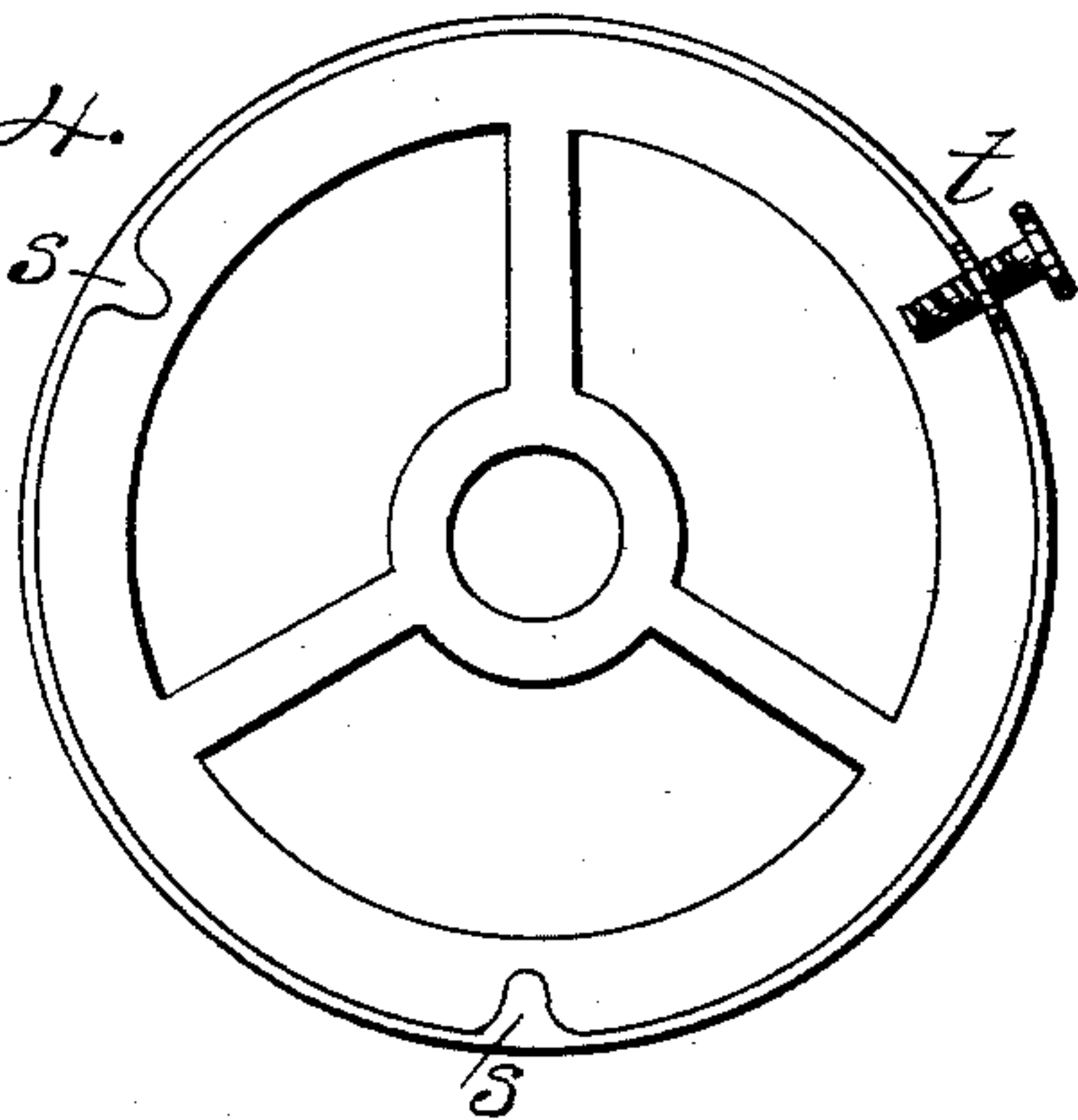


Fig. 3.



Fig. 4.



Witnesses.

a. J. Tibbitts
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Inventor:

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By his Attorneys

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United States Patent Office.

CHARLES M. MITCHELL, OF WATERBURY, CONNECTICUT.

Letters Patent No. 90,287, dated May 18, 1869.

IMPROVEMENT IN LAMP-SHADE HOLDERS.

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, CHARLES M. MITCHELL, of Waterbury, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Globe-Holder for Gas-Fixtures; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent in—

Figure 1, a top view;

Figure 2, a side view; and in

Figure 3, a section on line *x x*.

This invention relates to an improvement in the construction of the holder for gas-fixtures for supporting the globe.

Heretofore these holders have been formed, as seen in fig. 4, with two lips, *s s*, turned inward, and a set-screw, *t*, upon the opposite side.

These lips, which are cut from the same metal as the body of the holder, unavoidably cause considerable waste of metal, and the adjustment of the globe by means of the set-screw is necessarily very imperfect, and if, perchance, the globe is set upon the holder without the screw being turned upon it, the globe is easily thrown from its place, consequently broken, and if the screw be turned too tight, then, as the globe expands, it unavoidably cracks.

To overcome these objections is the object of my invention, which consists in combining upon a holder three springs, each of similar form, so as to receive the base of the globe, securely hold it in its place, and yield to any expansion or contraction of the globe.

In order to the clear understanding of my invention, I will fully describe the same as illustrated in the accompanying drawings.

A is the body of the holder, of the usual or any desired form, constructed so as to be secured to the burner, by preference by three arms, B B B, extending from a central ring to an outer.

To each of these arms, or at any point, I attach a spring, C, preferring three springs, as producing the best result. The inner end of the said spring is riveted or secured to the arm at any convenient point, so as to leave the remaining portion free.

The outer end of the springs I bend, as seen at D, fig. 3, into such form that the globe may be easily depressed into the grasp of the said springs, and by the said springs be securely held into position, the springs yielding to any expansion or contraction of the globe, and conforming to the different size of the base of the different globes.

By this construction all the difficulties attending the securing of the globes to the gas-fixtures is entirely overcome, also dispensing with the screw, which is done at no additional cost.

I do not broadly claim the arrangement in a globe-holder of a spring to grasp and hold the shade, as such, I am aware, is not new, and I am aware of the patent of Thomas Hay, January 26, 1869, and claim nothing shown therein as my invention.

Having fully described my invention,

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

The herein-described globe-holder, as an article of manufacture, consisting of the three springs C, arranged and secured to the base substantially as described.

CHAS. M. MITCHELL.

Witnesses:

GEO. E. TERRY,

L. C. WHITE.