(No Model.)

J. J. McGLOIN.

GLOBE HOLDER.

No. 405,793. Patented June 25, 1889.

Fig. 1.

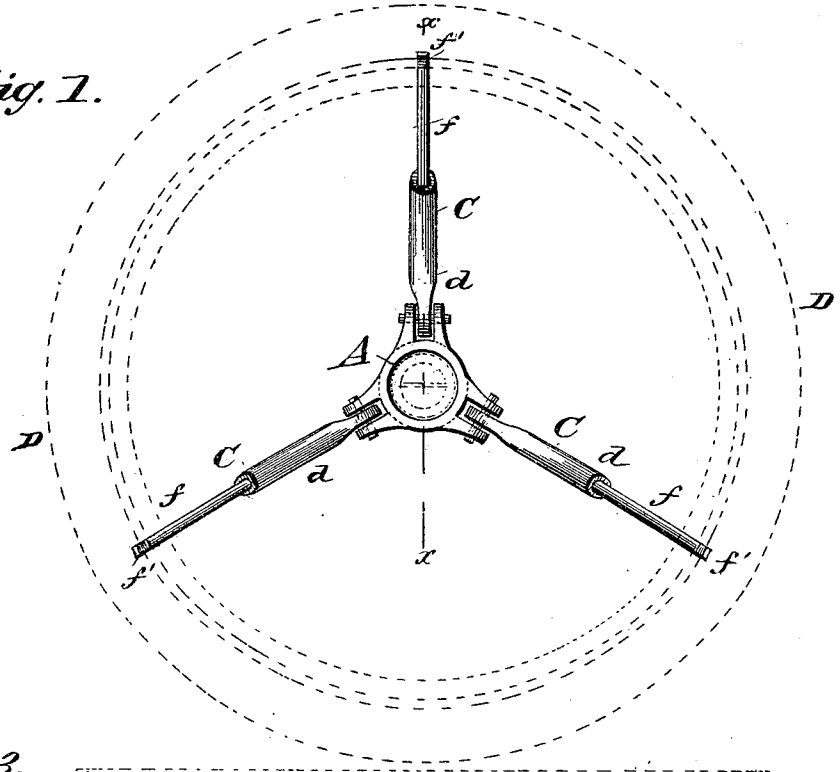


Fig. 3.

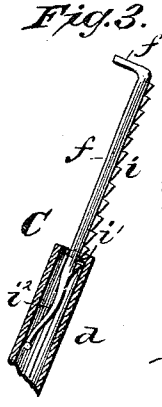


Fig. 2.

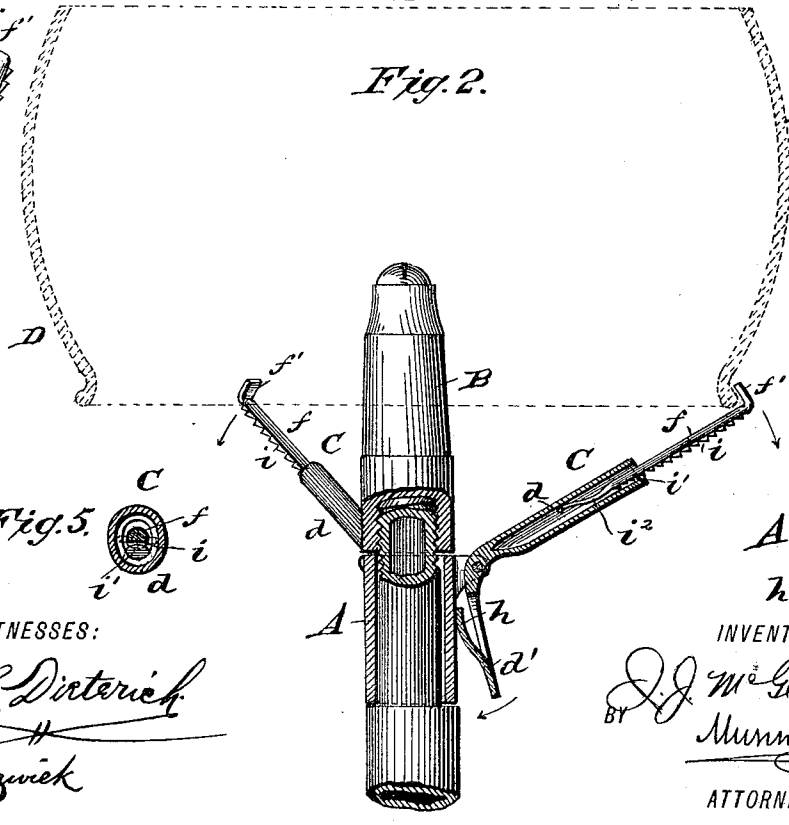


Fig. 4.

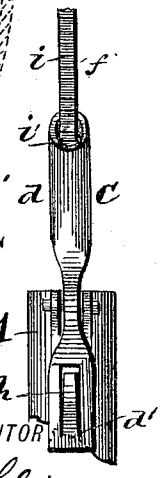


Fig. 5.

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UNITED STATES PATENT OFFICE.

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GLOBE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 405,793, dated June 25, 1889.

Application filed December 26, 1888. Serial No. 294,664. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. McGLOIN, of the city, county, and State of New York, have invented a new and Improved Globe-Holder, of which the following is a full, clear, and exact description.

The invention consists of the construction, arrangement, and combination of parts, all as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of my new and improved shade or globe holder, showing the globe in dotted lines. Fig. 2 is a broken elevation of the same applied to a gas-jet. Fig. 3 is a detailed sectional view of one of the arms of the holder. Fig. 4 is a detailed front elevation of one arm and the tube or sleeve. Fig. 5 is a transverse sectional view of the sections of the supporting-arm.

A is a sleeve or tube to fit upon the gas-burner just below the tip B. To this tube are hinged the arms C C, three in number, to support the globe D. These arms are each formed of a main section *d* and outer adjustable section *f*, which latter enters the section *d*, the latter being made hollow for that purpose. Each arm *d* is acted on by a spring *h*, placed to turn the arm upward to cause the outer hooked end *f'* of the section *f* to grasp the lower edge of the globe. For cheapness of construction, I prefer to make the spring *h* of each arm a part of a lower extension or plate *d'*, made a part of the main upper portion of the arm, as shown clearly in Figs. 2 and 4. The plate *h* is bent nearly at right angles to the main part of the arm, so that the spring *h* acts against the outer surface of the sleeve A.

Each section *f* is adjustable in and to the section *d* to fit globes of greater or less diameter, and for holding the outer sections in proper position I form notches *i* at their under surfaces, which engage with tongues or lips *i'*, formed at the outer end of the sections *d*. To insure positive and reliable engagement of the notches with the said tongues or projections *i*, I prefer to extend the inner ends of the outer sections to form springs *i²*, which act in opposition to the springs *h*, so that both ends of the sections are pressed downward while holding a globe, thus holding the notches in firm contact with the projection *i'*. By this construction the holder is adapted to support any sized globe or shade, and in order to remove the shade or replace it in the holder it is only necessary to press one of the arms C downward, which the spring *h* will permit, thus releasing one side of the globe, so it can be readily taken off. The globe may be as easily replaced. No set-screws or other holding devices are required, and the globe or shade is held with perfect firmness and security.

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

1. As an improved article of manufacture, a globe or shade holder comprising a tube or sleeve, hollow spring-actuated arms pivoted thereto, and adjustable sections fitted in said pivoted arms, substantially as described.

2. The tube or sleeve A and the bent sections C, pivoted to the said tube A, the lower portion of said sections being acted upon by a spring, the upper portion being made hollow, in combination with the adjustable section *f*, fitted in the hollow section, substantially as described.

3. The tube A and the bent sections C, pivoted thereto and acted upon by springs *h*, in combination with the adjustable sections *f*, having a spring *d* and fitted in the bent sections, and formed with notches *i* to engage with the lip *i'* at the outer end of the bent sections, substantially as described.

JOHN J. McGLOIN.

Witnesses:
JOHN FORD,
ADOLPH KRUGER.