

(No Model.)

C. H. GREEN.
LAMP GLOBE CLEANER.

No. 548,537.

Patented Oct. 22, 1895.

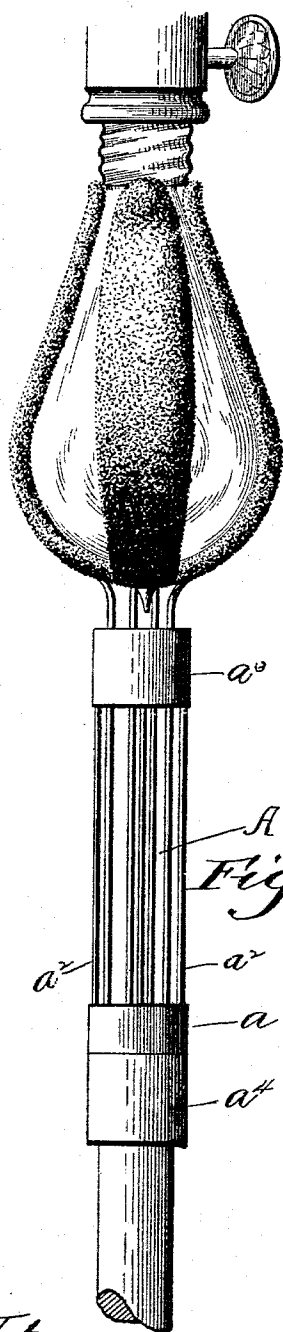


Fig. 1.

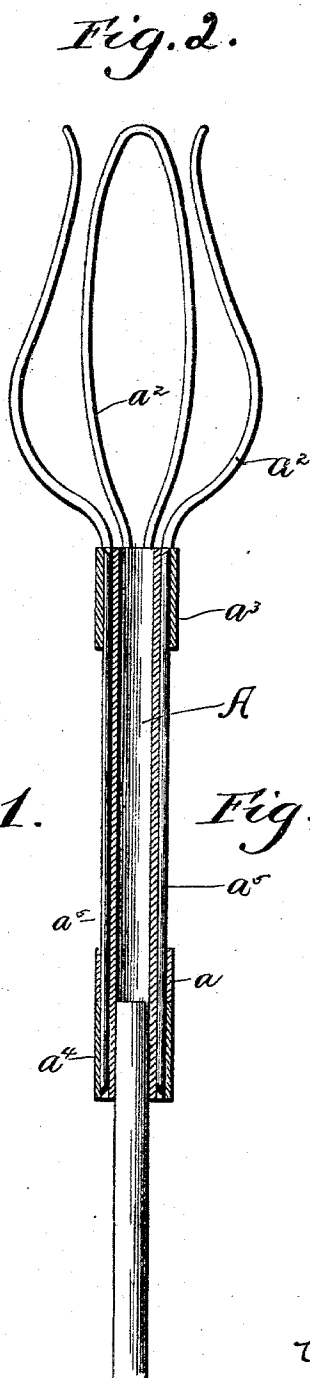


Fig. 2.

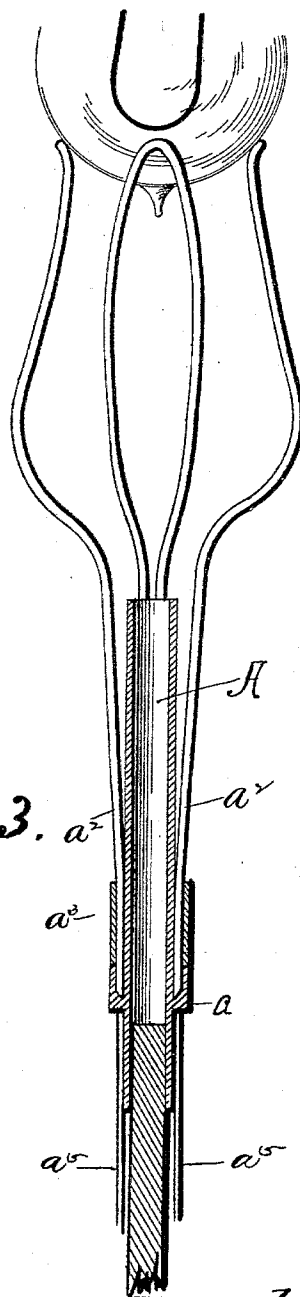


Fig. 3.

Witnesses:
J. B. McGirr.
A. R. Appleman.

Inventor:
Charles H. Green
By Geo. H. Holgate
att'y

UNITED STATES PATENT OFFICE.

CHARLES H. GREEN, OF BOSTON, MASSACHUSETTS.

LAMP-GLOBE CLEANER.

SPECIFICATION forming part of Letters Patent No. 548,537, dated October 22, 1895.

Application filed December 14, 1894. Serial No. 631,804. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. GREEN, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Lamp-Globe Cleaners, of which the following is a specification.

The invention relates to lamp-globe cleaners and is particularly adapted to that form of globe now employed with the incandescent electric lamps.

The object is to produce a device by which the globe of an electric lamp may be readily and conveniently cleaned and given a bright polish without removing the lamp from the socket, and, further, to render the device self-adjusting, whereby it will adapt itself to the peculiar form of the globe in a manner to yieldingly inclose the same, thereby effecting a thorough cleaning thereof, and when desired removing the lamp from the socket, and, finally, to employ such novel construction whereby the safety of the globe against being broken will be insured.

With these objects in view the invention consists in a certain combination and arrangement of parts, which will be hereinafter described, and pointed out in the claim.

In the accompanying drawings, forming part of this specification, similar letters of reference indicate corresponding parts in the several views.

Figure 1 is a view in elevation of one embodiment of the invention applied. Fig. 2 is a view in vertical section. Fig. 3 is a view in section showing the manner in which the device becomes self-adjusting in adapting itself to the lamp when applied.

In the drawings, A represents a shank, which is provided at or near its lower end with the collar a . To this collar a series of fingers a^2 are secured and are formed, respectively, from a piece of spring-wire, which is doubled or bowed into an approximate U shape, then inverted and placed so that the extremities, which are brought together about midway of their length, lie normally well in against the shank, they being secured at their extreme ends to the collar. The wire forming the upper portion of the finger is spread and bent up to conform to the curvature of the lamp-globe and is designed to be wrapped,

padded, or covered with woolen cloth or other suitable material. Encircling the extremities of the spring-fingers and slidingly mounted thereon is a sleeve a^3 , by which the spread of the fingers may be regulated—that is to say, when it is desired to place the cleaner upon the globe of a lamp the sleeve is moved downward until it abuts against the fixed collar of the shank, in which position the fingers will spread readily, as they will then be held only at that portion adjacent the lower extremities thereof. After being forced upon the globe, however, the yielding action of the fingers is limited by moving the collar upward and thereby causing the fingers to grip the globe firmly, yet yieldingly. Upon rotating the cleaner after it is thus placed upon a globe, by reason of the yielding tendency of the fingers, perfect contact will be maintained between the cleaner and globe, even though the shape of the latter is imperfect. To remove a lamp, the collar is forced upward until it rests immediately below the curved portion of the fingers, which are thereby caused to securely grip the globe, and upon rotating the cleaner the lamp will become at once detached.

Where the detachment of the lamp is not desired, the cleaner is removed by slipping the sleeve down upon the shank, as above described, so as to permit of a ready spreading of the fingers.

For facility in using the cleaner the shank is extended below the fixed collar, which latter forms a shoulder and is designed to enter a socket or be secured upon the end of a pole, by which lamps at elevated points may be readily reached without the aid of a step-ladder.

The sleeve-actuating device comprises a second sleeve a^4 , connected with the sleeve proper in any suitable manner, as by wires or rods a^5 , working through guide-openings in the fixed collar of the shank. This second sleeve, encircling the pole, is arranged so as to be within convenient reach of a person grasping the lower end thereof, and by moving it up and down the adjustment of the sleeve proper will be effected in a satisfactory manner.

Having fully described the invention, what I claim as new is—

In a globe cleaner, the combination of a handle, a shank attached thereto, a collar on the shank, spring fingers secured to the collar, a sleeve by which the spread of the fingers
5 may be regulated and a sleeve adjuster consisting of a sleeve slidable on the handle and connected with the regulating sleeve, substantially as described.

In testimony whereof I have affixed my signature in the presence of two subscribing witnesses.

CHARLES H. GREEN.

Witnesses:

LEMUEL N. PETERS,
HERBERT F. BINNEY.