

E. E. EDGERTON.
ELECTRIC LAMP CLEANER.
APPLICATION FILED JAN. 16, 909.

925,084.

Patented June 15, 1909.

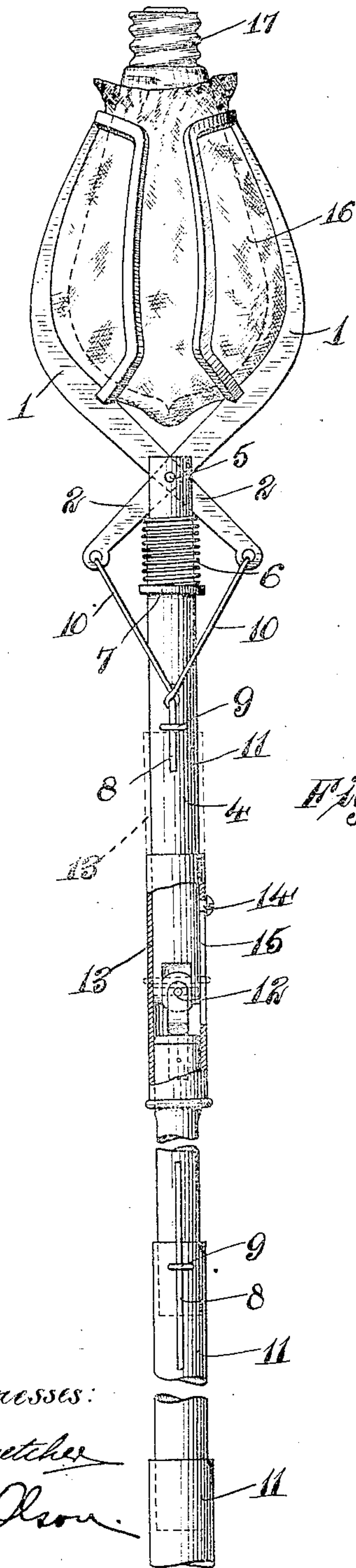


Fig. 1.

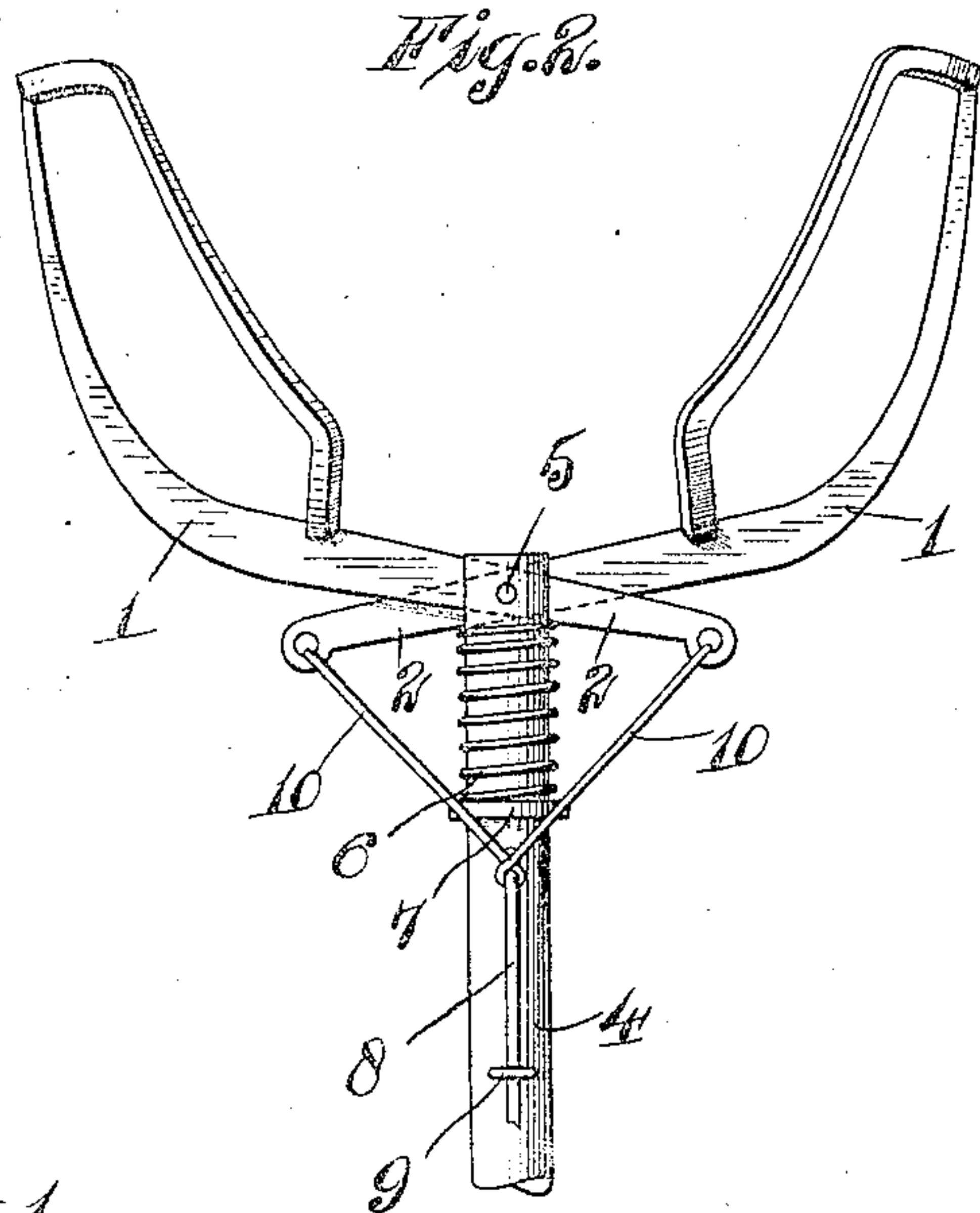


Fig. 2.

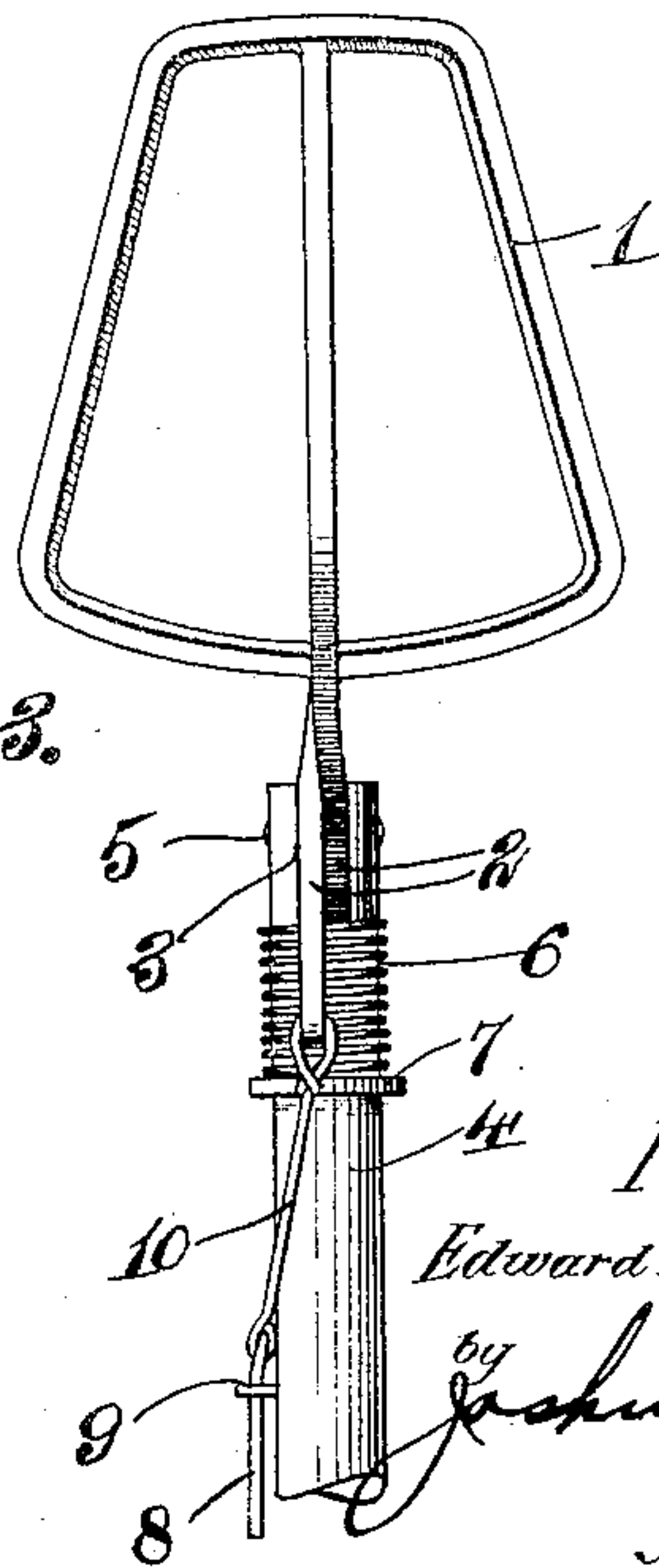


Fig. 3.

Witnesses:
R. C. Bretcher
A. A. Olson.

Inventor:
Edward E. Edgerton
by
John A. Tott
Attorney.

UNITED STATES PATENT OFFICE.

EDWARD E. EDGERTON, OF CHICAGO, ILLINOIS.

ELECTRIC-LAMP CLEANER.

No. 925,084.

Specification of Letters Patent.

Patented June 15, 1909.

Application filed January 16, 1909. Serial No. 472,600.

To all whom it may concern:

Be it known that I, EDWARD E. EDGERTON, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Electric-Lamp Cleaners, of which the following is a specification.

My invention relates to devices designed for the cleaning or the removing of dust or other foreign particles from the exterior surface of incandescent-light globes, especially those which are situated out of ordinary reach.

The object of my invention is to provide a device of the character mentioned, by the employment of which, a cloth or other cleansing material may be pressed to the surface of the globe and rubbed or rotated thereon, thereby facilitating the above stated purpose; the device being such that by applying sufficient force thereto, the globe may be firmly enough gripped to permit of unscrewing or detaching the same, and likewise screwing or attaching.

A further object of my invention is to provide a device of the character stated which will be of such improved construction as to be adapted to be applicable to globes positioned at any angle, a further object of my invention being to provide a device as mentioned which will be of the highest possible efficiency and which will be comparatively simple of construction, hence of low cost to manufacture.

Other objects will appear hereinafter.

With these objects in view my invention consists of a device characterized as above mentioned and of certain details of construction and arrangement of parts all as will be hereinafter fully described and particularly pointed out in the claims.

My invention will be more readily understood by reference to the accompanying drawing forming a part of this specification, and in which,

Figure 1 is a front elevation of my device, illustrating the application thereof. Fig. 2 is a similar elevation, the jaws thereof being shown in opened position, and Fig. 3 is a side elevation thereof.

Referring now to the drawings 1—1 indicate similarly formed jaws or gripping levers, the same being formed frame-like or spider-like in construction. The lower end portions or shanks 2—2 of said jaws, which are disposed substantially at right angles to

the bodies of said jaws, rest in a bifurcation 3 provided in the upper extremity of a handle 4, the substantially central portion of the shanks of said jaws being pivotally mounted upon a pivotal pin 5 extending through said extremity of said handle. Said jaws are so formed, that when closed, the interior formation of the same will conform substantially to the contour of an incandescent globe, as clearly shown in Fig. 1. In order to normally hold said jaws in opened position, I provide a helical spring 6, the same being interposed between the under edges of the jaw shanks 2—2 and a circumferential shoulder 7 formed upon the handle 4 for that purpose. In order to facilitate closing said jaws, a cord 8 co-extensive with the handle 4, and passing through eyes 9 provided at intervals upon said handle, is provided; the upper extremity thereof being connected by means of links 10 to the slotted extremities of the jaw end portions 2—2. Said handle 4 is preferably formed of detachable telescoping sections 11; thereby adapting the same to be adjusted to any length, resulting in an obvious advantage.

In order that my device may be applicable to globes disposed at angles, such not infrequently being the positions thereof, I preferably break the handle 4 close to the upper extremity thereof and interpose between the adjacent extremities thereof a universal joint 12 of ordinary form, such provision obviously accomplishing the above stated purpose. By the provision of a snugly fitting sleeve 13 slidably mounted upon said handle 4, adapted to be slid down over said joint 12, as clearly shown in Fig. 1, the handle may be made rigid, for ordinary use. When applying my device to globes disposed at angles said sleeve will be slid upwardly out of engagement with said joint, in which event said joint will be free to operate. A stud 14 secured in and projecting from said handle, said stud resting in a longitudinally extending slot 15 provided in the sleeve 13, locks said sleeve in position upon said handle, the length of said slot obviously governing the extent of movement of said sleeve.

The operation of the device is evident. A cloth 16 of any suitable material being placed over the upper ends of the jaws 1—1, the device is pressed against the end of the globe 17 to be cleaned shoving the cloth within the jaws, said jaws being then closed

around the globe by drawing on the cord 8. The cloth in such event will be depressed into the jaws and around the globe, as shown in Fig. 1, whereupon the surface of the latter may be cleaned by rotating the handle 4.

Although I have shown what I deem to be the preferable form of my device, I do not wish to be limited thereto, as there might be many changes made in the details of construction and arrangement of parts without departing from the spirit of my invention, and although I have designed my device with special reference to incandescent-light globes, I may use the same in any other connection to which it is applicable.

Having described my invention what I claim as new and desire to secure by Letters Patent is:

1. A device of the class described, comprising a handle having a bifurcated upper end, two jaws pivotally mounted in said bifurcated end, shank portions on said jaws, a helical spring in engagement with the under edges of said shank portions adapted to normally hold said jaws in opened position, and means in connection with the extremities of said shank portions for closing said jaws, substantially as described.

2. A device of the class described, comprising a handle having a bifurcated upper end, two jaws pivotally mounted in said bifurcated end, said jaws being adapted to snugly receive a lamp-globe, shank portions on said jaws, a spring engaging the under

edges of said shank portions adapted to normally hold said jaws in opened position, and a cord co-extensive with said handle in connection with the extremities of said shank portions for closing said jaws, substantially as described.

3. A device of the class described, a sectional handle, a universal joint interposed in said handle, pivoted jaws provided at the upper extremity of said handle, the interior form of said jaws being, when in closed position, substantially the same as the contour of a lamp-globe, and means whereby said handle may be made rigid, and means for actuating said jaws, substantially as described.

4. A device of the class described, comprising a sectional handle, a universal joint interposed in said handle close to the upper extremity thereof, jaws pivotally mounted at the upper extremity of said handle, a sleeve, slidably mounted on said handle and adapted to pass over said joint whereby said handle may be made rigid, and means in connection with the lower extremities of said jaws for closing the same, substantially as described.

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

EDWARD E. EDGERTON.

Witnesses:

JOSHUA R. H. POTTS,
HELEN F. LILLIS.