No. 750,408. PATENTED JAN. 26, 1904.

A. T. SPEELMAN.

TOOL FOR REMOVING OR REPLACING INCANDESCENT ELECTRIC LIGHT BULBS.

APPLICATION FILED JULY 1, 1903.

NO MODEL.

Fig. 1.

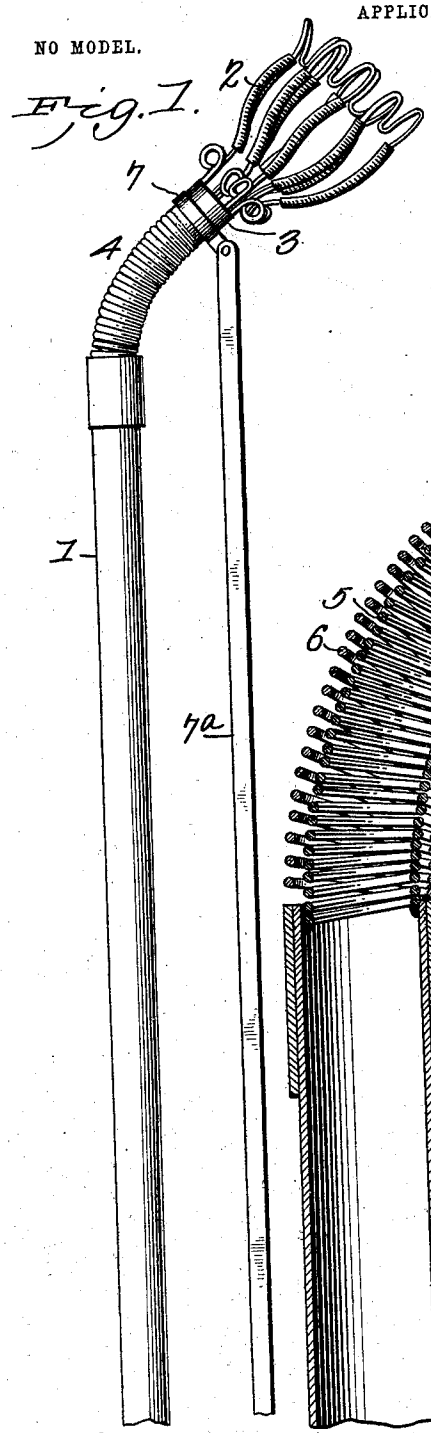


Fig. 2.

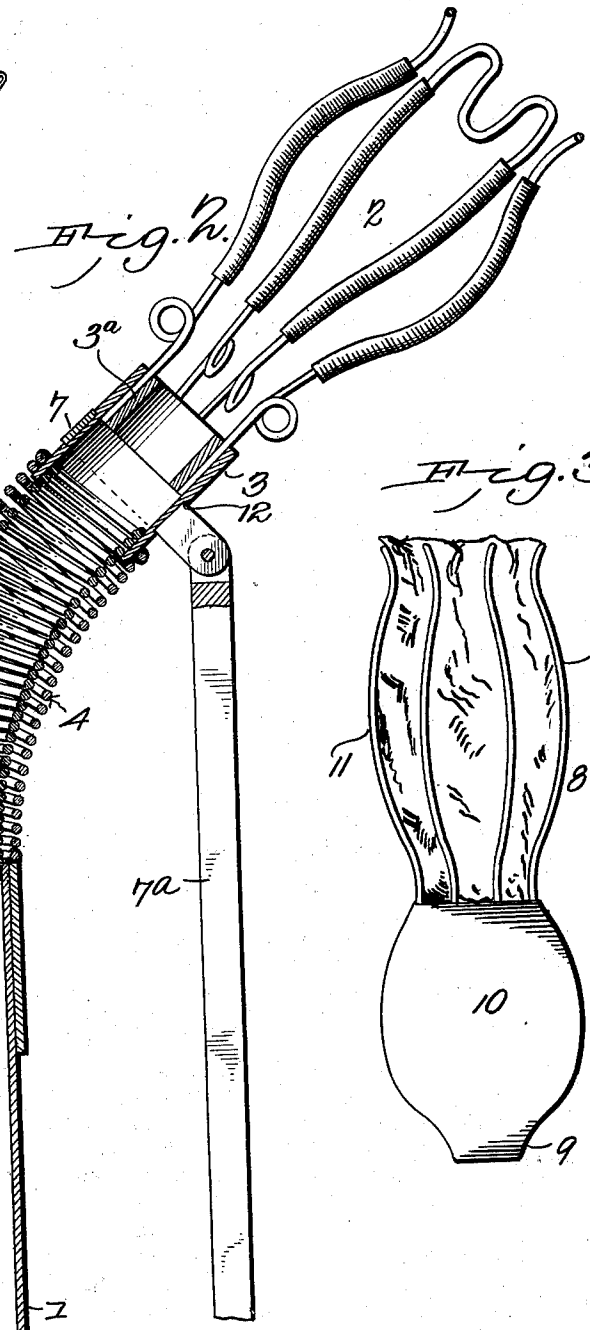


Fig. 3.

Witnesses
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No. 750,408. Patented January 26, 1904.

UNITED STATES PATENT OFFICE.

ALLEN T. SPEELMAN, OF CRESTLINE, OHIO.

TOOL FOR REMOVING OR REPLACING INCANDESCENT-ELECTRIC-LIGHT BULBS.

SPECIFICATION forming part of Letters Patent No. 750,408, dated January 26, 1904.

Application filed July 1, 1903. Serial No. 163,934. (No model.)

To all whom it may concern:

Be it known that I, ALLEN T. SPEELMAN, a citizen of the United States, residing at Crestline, in the county of Crawford and State of Ohio, have invented a new and useful Tool for Removing and Replacing Incandescent-Electric-Light Bulbs, of which the following is a specification.

This invention relates to improvements in manipulating devices for incandescent lamps; and the principal object of the invention is to provide means whereby the lamp can be conveniently applied to and removed from its socket.

A further object of the invention is to provide means for engaging the lamps at any desired angle.

A still further object is to provide means for dusting or wiping the lamps without removing them.

Further objects and advantages, as well as the novel details of construction, will be specifically set forth in the following description, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of the invention complete. Fig. 2 is a vertical longitudinal sectional view through the invention, and Fig. 3 is a view in elevation of the cloth-holder.

The numeral 1 designates a telescoping staff which forms a support for a lamp-engaging jaw 2, comprising a plurality of covered and yielding fingers interposed between the collars 3 and 3^a, the inner collar forming a clamp to prevent a displacement of said fingers. The outer collar is connected to the staff by an interposed flexible shaft 4, which comprises inner and outer coils 5 and 6, one of which is reversely wound with relation to the other, so as to provide for a maximum strength. Any tendency of the shaft weakening by being turned in the wrong direction will be prevented, inasmuch as the unwinding of one coil will wind the other proportionately, and thus maintain the normal stress of the combined coils.

The collar 7 is fitted around the collar 3, being loosely mounted in a groove 12, so as to permit of an easy rotation of the collar 7 upon the collar 3 when said collar 7 is manipulated by the depending rod or bar 7^a. This rod or bar, which constitutes a handle, can be actuated to turn the lamp-engaging jaw in any direction or at any angle without disturbing the staff. This result can easily be accomplished, owing to the readiness with which the collar 7 slips on the collar 3.

When it is desired to clean or dust the lamps without removing them, the cloth-holder 8 will be used. This device consists of a jaw-engaging portion 9, having an enlargement or bulge 10 to conform to the jaw or the staff and carrying cloth-engaging fingers 11, so that any foreign matter may be removed from the lamp. The fingers of the jaw 2 will tightly bind on the cloth-holder, so as to hold it rigid during the process of cleaning the lamp, after which said cloth-holder can readily be removed.

It will be apparent that a device similar to the one described will be exceedingly inexpensive, simple, and will readily meet the requirements of a device of this class.

I claim—

1. A device of the class described comprising a staff, a jaw carried by the staff and having yielding fingers and a supplemental jaw to engage said yielding fingers, and having cloth-engaging yielding fingers spaced apart approximately the distance equal to the diameter of the incandescent-light bulb.

2. A device of the class described, comprising a staff, a jaw carried by the staff, and a removable supplemental jaw engaging the first-named jaw, and having yielding fingers.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

ALLEN T. SPEELMAN.

Witnesses:
F. E. SPEELMAN,
F. H. MORTON.