

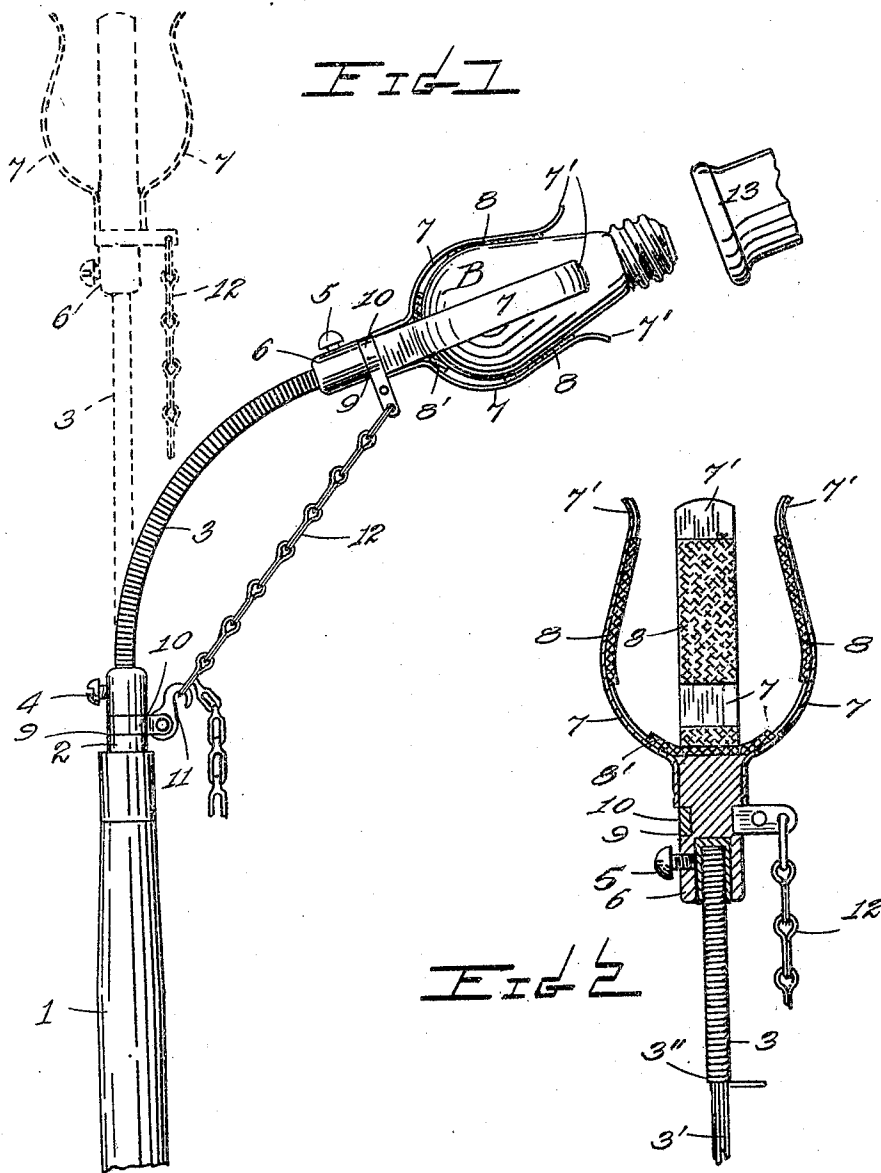
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S. OLAFSON.

INCANDESCENT LAMP ATTACHING IMPLEMENT.

APPLICATION FILED JAN. 30, 1905.



WITNESSES:

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INCANDESCENT-LAMP-ATTACHING IMPLEMENT.

No. 801,902.

Specification of Letters Patent.

Patented Oct. 17, 1905.

Application filed January 30, 1905. Serial No. 243,186.

To all whom it may concern:

Be it known that I, SEVERT OLAFSON, a citizen of the United States, residing at Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Incandescent-Lamp-Attaching Implements, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to devices used for screwing incandescent-lamp bulbs into their sockets, and it is embodied in the construction and arrangement of parts hereinafter described.

15 The object of the invention is to provide a device or implement of this character which may be employed for rotatably inserting a bulb in its receiving-socket or detaching the same therefrom and which may be readily operated at various angles and beyond the reach
20 of the operator's hands.

25 With this end in view the invention consists in a bulb clamping or grasping device which is connected to a pole or handle by a flexible shaft with means to operatively retain the shaft at any curved or angular adjustment relatively of the handle.

30 In the drawings is shown one form which embodies my invention; but I desire it to be understood that other forms can be made and the arrangement varied without departing from the spirit of the invention or sacrificing its advantages.

35 In the said drawings, Figure 1 is a side elevation, and Fig. 2 is an enlarged fragmentary sectional view of the same.

40 The reference-numeral 1 denotes a handle or pole, which may be constructed of wood or other suitable material and is provided at its outer end with a ferrule 2, in which is inserted the end of a flexible shaft or stem 3 and removably secured therein by a binding-screw 4. The other end of the flexible shaft is inserted and similarly secured by a binding-screw 5 in a socket 6, upon which are formed
45 or provided the resilient fingers 7 of the bulb-grip. The said fingers are each given an outward curve or bend corresponding to the contour of the bulb B, and the extremities 7' of each of the fingers are desirably turned out-

wardly, as shown, in order that a bulb may be more conveniently engaged within their grasping portions.

The inner opposing faces of the fingers are covered or partially covered, as at 8, with a material such as felt in order to provide a better holding-surface against the smooth glass bulb, and the outer end of the said socket is in like manner covered by a layer of cloth 8'. The said shaft may advantageously be composed (see Fig. 2) of a plurality of longitudinally-disposed spring-wires 3', about which is wound an inclosing wire 3'', and which construction I have demonstrated to meet the conditions of flexibility and yet sufficiently rigid to impart a rotary motion at its extreme end with every bend or curvature at which it is likely to be used. Rotatably seated in peripheral grooves 9 of both the said ferrule and socket are bands 10, to one of which is connected a hook 11, and to the other the end of a chain 12, having links of sufficient size to be readily caught over the bill of the hook. The object of the last-named parts is to provide means to adjustably deflect and secure the said shaft in any curvature suited to the work in hand, so as to direct the fingers in the right direction to present the contained bulb in the same axial line with the socket 13, into which it is to be screwed, or conversely in the most efficient angle for unscrewing when withdrawing a bulb.

80 The device is operated by first adjusting the shaft to its proper bend, then clasping the bulb within the implement's fingers, when, by turning the handle, a rotary motion is imparted to the bulb.

The invention is extremely useful for inserting bulbs in their sockets when out of reach of the operator, whether overhead, as in a ceiling, or upon a wall or partition. It is of simple and inexpensive construction and perfectly adapted to the purposes for which intended.

95 Having thus described the invention, what I claim as new, and desire to secure by Letters Patent, is—

An implement of the character described, comprising a handle provided with a ferrule at its outer end, a flexible shaft removably

seated in said ferrule, a binding-screw passing through the ferrule and bearing against said flexible shaft, a socket removably secured to the outer end of said shaft and provided
5 with a plurality of fingers adapted to resiliently grasp and hold an incandescent-lamp bulb, a set-screw passing through said socket and bearing against said flexible shaft, a hook attached to said ferrule, and a chain connected

to a band rotatably mounted on the said socket, 10 substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

SEVERT OLAFSON.

Witnesses:

PIERRE BARNES,
F. DUDLEY MOSS.