

No. 733,356.

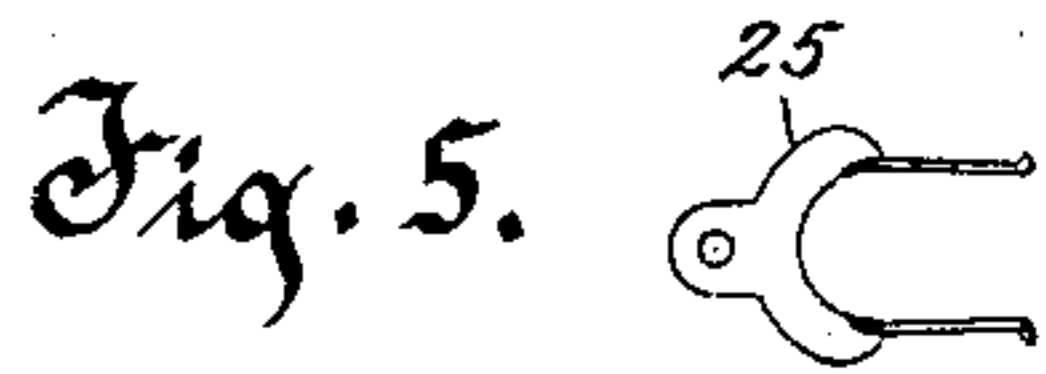
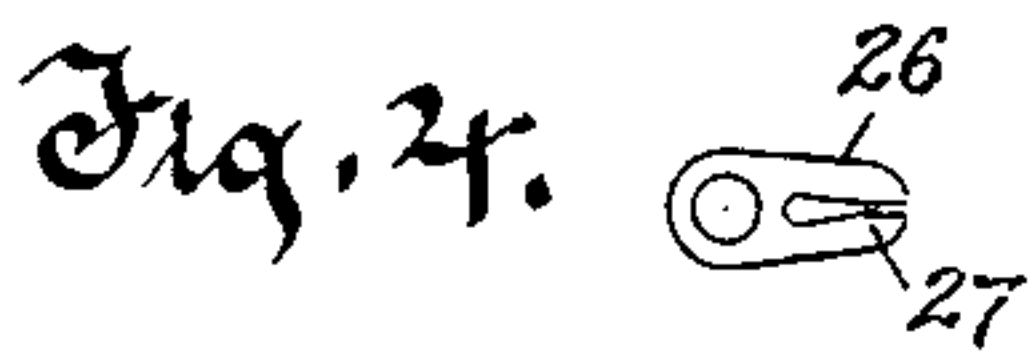
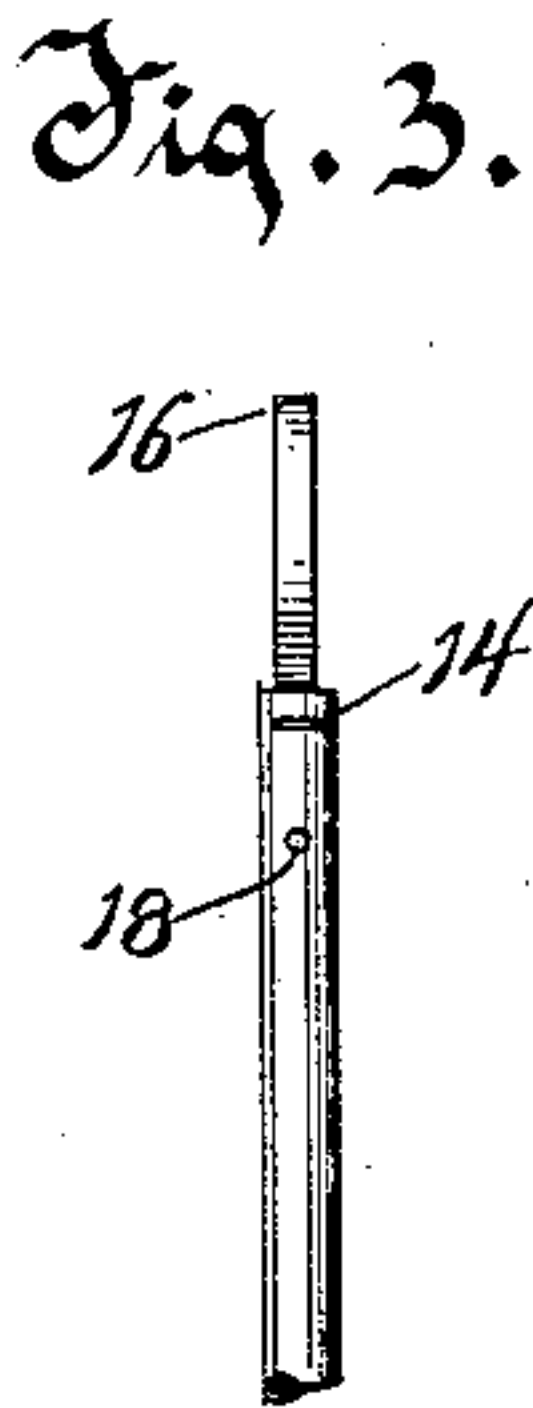
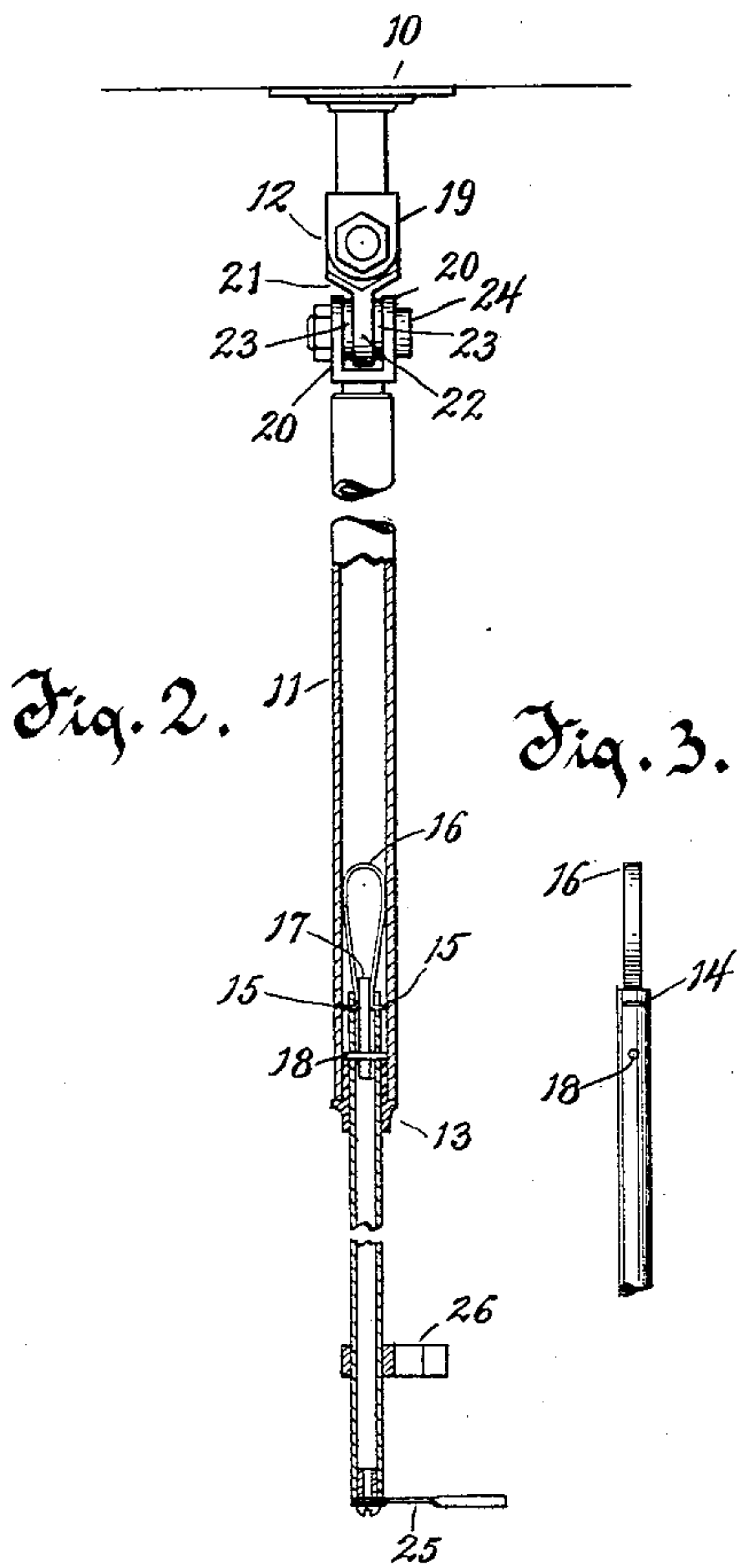
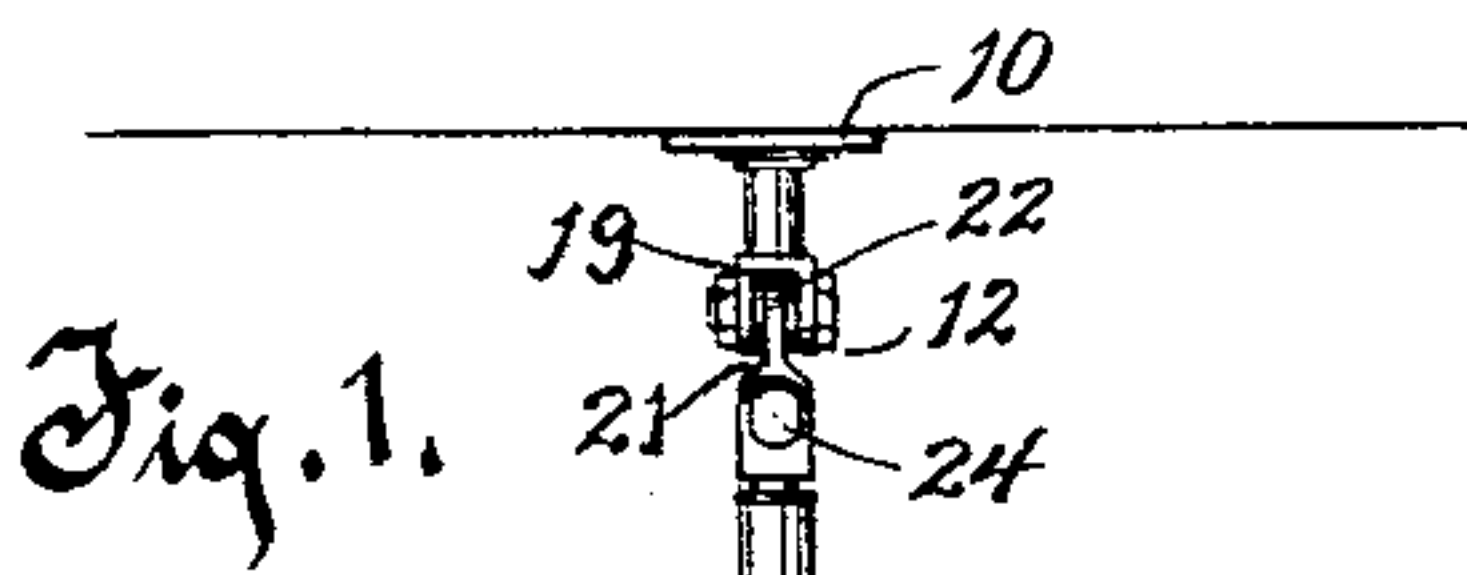
PATENTED JULY 7, 1903.

R. E. HESS.

## INCANDESCENT LIGHT HOLDER.

APPLICATION FILED DEC. 26, 1902.

NO MODEL.



Witnesses.

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# UNITED STATES PATENT OFFICE.

RICHARD E. HESS, OF MILWAUKEE, WISCONSIN.

## INCANDESCENT-LIGHT HOLDER.

SPECIFICATION forming part of Letters Patent No. 733,356, dated July 7, 1903.

Application filed December 26, 1902. Serial No. 136,709. (No model.)

*To all whom it may concern:*

Be it known that I, RICHARD E. HESS, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented a new and useful Improvement in Incandescent-Light Holders, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

This invention relates to improvements in brackets or supporting means for electric lamps, especially incandescent lamps.

The object of this invention is to produce a simple cheaply-constructed lamp-bracket or supporting means by which the lamp thereby supported may be adjusted, moved to, and retained in the desired position.

The further object of this invention is to produce a telescopic incandescent-lamp-supporting means adapted to be attached above the space to be lighted by the lamp to the ceiling or other supersupport, whereby the lamp may be swung to, raised and lowered, and retained in the position desired.

A still further object of this invention is to produce an adjustable incandescent-lamp-supporting means the several elements entering into the make-up of which may be constructed at a minimum cost and easily assembled.

These and other objects I attain by means of a device the elements of which are constructed and arranged as described in the specification and illustrated in the drawings presented herewith.

In the drawings, Figure 1 is a view in elevation of a device embodying this invention shown as it will appear when in position supported to a ceiling or other supersupport. Fig. 2 is a fragmentary view, partially in section, of the device illustrated in Fig. 1. Fig. 3 is a detail view of a portion of the device and shows more particularly the spring for accomplishing the desired friction between the sections of the telescopic tube. Fig. 4 is a face view of one of the wire-guides employed in this device. Fig. 5 is a face view of the lamp-grasping means employed in this device.

The device, as illustrated in Figs. 1 and 2, consists of a supporting-bar 10, which is preferably formed in the nature of a base-plate

and is adapted to be secured to the ceiling or to some supersupport by means of screws, a collapsible or telescopic tube or rod 11, connected to the supporting member 10 by means of a flexible joint 12, and means, as hereinafter described, for supporting an incandescent lamp on the lower or outer section of the telescopic rod.

The telescopic rod 11 will preferably be made in two sections, the outer lower or smaller one of which will be of such a size as to loosely slide within the larger tube. The larger tube at its outer end is provided with a bushing 13, within which the smaller tube is adapted to snugly fit. Said smaller tube is provided with two elongated slots 14, and within these slots the bent-over ends 15 of a flat spring 16 are adapted to lie. The ends of the spring are bent together and inserted within the end of the smaller tube, and when the bent-over ends come opposite the slots they will pass into said slots and the spring will be secured in position by means of a block 17, which will be driven into the end of the small tube to hold the spring in place, and said block will be held in place by means of a cross-pin 18. The spring will be of sufficient size so as to form the desired friction sufficient to hold the outer or smaller section of the collapsible tube in the position to which it is adjusted.

The flexible joint connecting the base portion with the telescopic tube portion comprises two socket members 19, each of which has two parallel walls 20, a carrier 21, provided with two flat-sided substantially circular portions 22, connected together by a waist which forms the connecting member between the socket portions. Each of the circular portions of the carrier lies within one of the sockets, and between the faces of the carrier and the walls of the socket washers 23 are interposed, and the carrier, washers, and socket portions are connected by means of a bolt 24. This form produces a substantially universal joint of extremely simple construction and with practically no machine-work.

Carried in a suitable manner at the outer end of the smaller tube is a grasping element 25, preferably stamped from a piece of sheet metal, so as to provide two spring-fingers, as illustrated in Fig. 5, adapted to engage the socket portion of an incandescent lamp. Car-



ried by the several sections of the telescopic tube 11 are wire-guides 26, which are preferably formed of rubber, with a split portion 27, within which the wire is adapted to lie.

5 Having thus described my invention, I claim—

1. The combination with a supporting member, of a telescopic tube, a joint connecting said support and said tube, slots in the  
10 smaller section of said tube, a flat spring inserted in the end of the smaller tube-section and bent so that its ends lie within said slots and a lamp-holder carried by the smaller section of said tube.

15 2. The combination with a supporting member, of a telescopic tube, the smaller section thereof provided with slots extending a distance around its circumference, a universal

joint connecting said supporting member and said tube, a leaf-spring having its ends bent 20 over at an angle to its length and inserted within the end of the smaller tube-section, and engaging the slots of said smaller tube-section, and the remaining portion of the length of the spring inserted in the larger tube- 25 section and bearing against the inner walls of said larger tube-section, a block holding said spring in place in the smaller tube-section, and a lamp-holder carried by the smaller tube-section near its outer end. 30

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

RICHARD E. HESS.

Witnesses:

JNO. S. GREEN,  
A. L. MORSELL.