

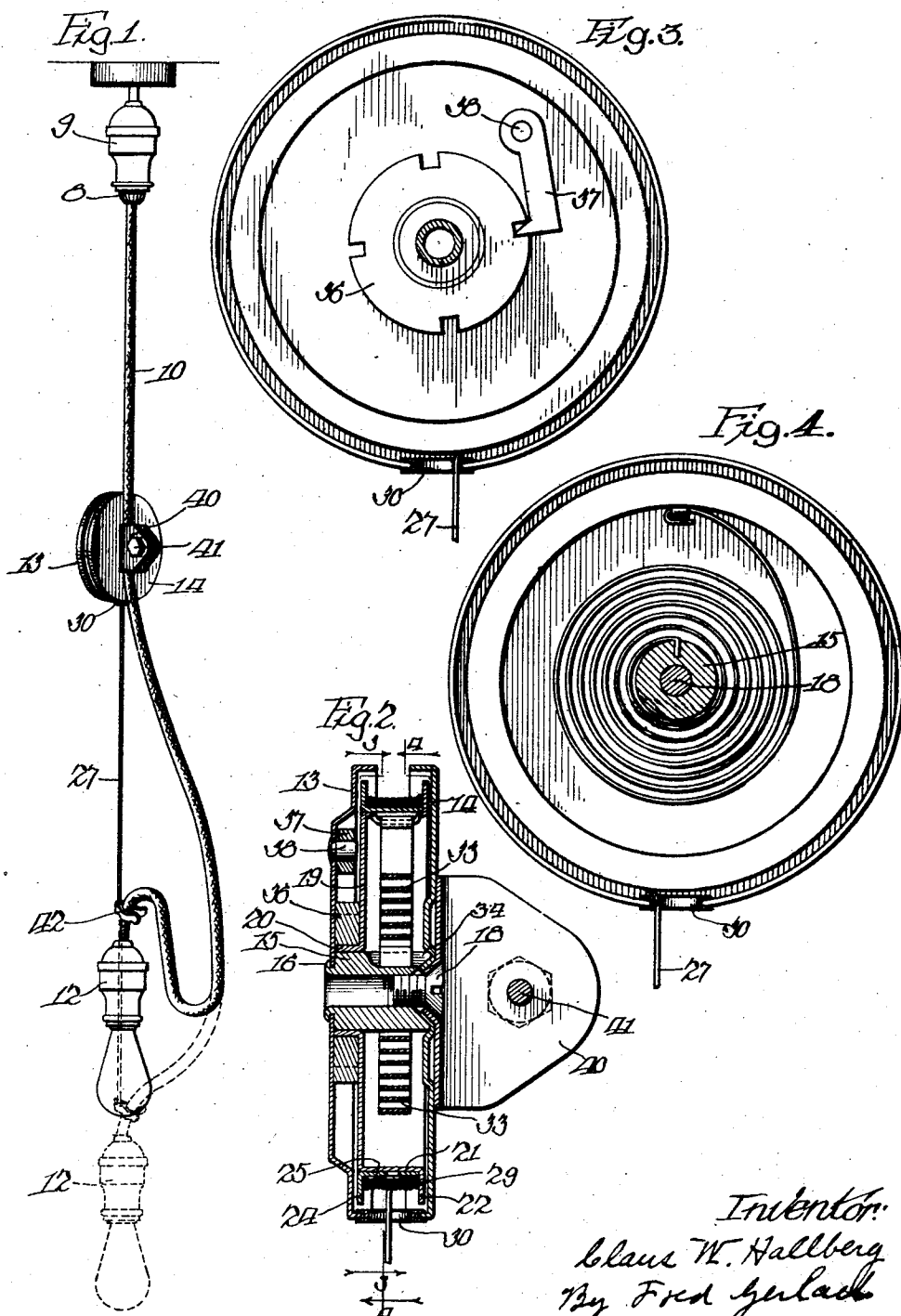
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ADJUSTABLE LAMP SUPPORT

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UNITED STATES PATENT OFFICE.

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ADJUSTABLE LAMP SUPPORT.

Application filed May 2, 1924. Serial No. 710,691.

To all whom it may concern:

Be it known that I, CLAUS W. HALLBERG, a citizen of the United States, and a resident of Marion, in the county of Grant and State of Indiana, have invented certain new and useful Improvements in Adjustable Lamp Supports, of which the following is a full, clear, and exact description.

The invention relates to article supports and more particularly to the type which includes a flexible suspension cord or element on which an incandescent electric lamp or any other article is secured.

The object of the invention is to provide a device which may readily be fixed to a suspension cord to vary its operative length so that the article suspended thereon may be readily raised or lowered to any desired height or position.

A further object of the invention is to provide a device of this type which is simple in construction and which may be produced at a low cost.

The invention consists in the several novel features hereinafter set forth and more particularly defined by claims at the conclusion hereof.

In the drawings: Fig. 1 is a side elevation of the invention affixed to a cord on which an electric incandescent lamp is suspended. Fig. 2 is a vertical section of the invention. Fig. 3 is a section on line 3—3 of Fig. 2. Fig. 4 is a section on line 4—4 of Fig. 2.

The invention is exemplified in connection with a lamp cord of the usual construction which consists of a flexible wire cord 10 on one end of which a plug 8 is connected which is adapted to be secured in a socket 9 on a wall or ceiling, and on the other end of which a socket 12 is secured in which an electric incandescent lamp is disposed.

The invention comprises a device which may be readily affixed to a lamp cord or the like and which consists of a casing, comprising a pair of stationary members 13 and 14 which are held in spaced relation to each other by a hub 15. Hub 15 is riveted at one end to disc 13, as at 16, and at the other end is rigidly secured to the casing member 14 by a screw 18. A rotatable disc 19 is disposed between the casing members and is provided with an outwardly extending flange 20 which forms a bearing between the disc and the hub 15. The outer end of disc 19 is provided with an inwardly

tending flange 22. A ring 24 is provided with an inwardly extending flange 25 which is adapted to be secured on the flange 21 so that a drum or spool may be formed on the disc between ring 24 and the flange 22. A cord 27 is wound around the drum, and one end thereof is secured to the drum by means of looping its end around an abutment 29 which projects from the flange 22. The other end of the cord is adapted to extend through an annular guide 30 which is affixed to the outer periphery of one of the casing members and is provided with a snap fastener 42, which is adapted to secure the free end of cord 27 to the flexible cord 10.

A spiral spring 33 is disposed between the disc 19 and the casing member 14, one end of which is secured to the inner periphery of the flange 21 and the other to a slot 34 in hub 15. Spring 33 is adapted to keep the drum under spring tension so as to wind the cord thereon. To lock the rotatable drum in any desired position a ratchet wheel 36 is disposed between the casing member 13 and the disc 19 and is rigidly secured to the flange 20 to rotate with said disc. A pawl 37 is pivotally secured to a stud 38 on casing member 13, and is adapted by gravity to engage the teeth of the ratchet and to hold the drum from rotating. When the cord 27 is to be lengthened, a slight pull upon it will release pawl 37 and by pulling the cord it may be unwound from the drum until the desired length is reached. When the drum ceases to rotate, pawl 37 will fall by gravity into a tooth in ratchet 36 and hold the drum from rotating. When the length of cord 27 is to be shortened, a slight pull upon the cord will disengage pawl 37 from the ratchet and by releasing the cord the spring will wind the cord upon the drum. When the desired length is reached the cord may be stopped and held long enough for the pawl to engage the ratchet. A clamp member 40 is rigidly secured to the casing member 14 and is adapted to be secured to a wire cord 10 by means of a screw 41.

In use, the device will be affixed to a suspension element, such as a lamp cord or the like by means of a clamp 40, and the free end of the cord 27 will be secured to the suspension element by means of a snap fastener 42 in such a manner that there will be a large length of the element between the two fasteners. When it is desired to vary the

operative length of the element so as to raise or lower the article suspended thereon it will only be necessary to exert a slight pull upon the cord 27 and adjust the length of the cord accordingly.

The invention exemplifies a simple device which may readily be fixed to a suspension element on which an electric light or the like is suspended and which will vary the operative length of said element so as to raise or lower the article suspended thereby.

The invention is not to be understood as restricted to the details set forth, since these may be modified within the scope of the appended claims, without departing from the spirit and scope of the invention.

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

1. In a device of the character described, the combination of a hub, a pair of side members rigidly secured to said hub and held in spaced relation relatively to each other, a disc disposed between said sides and rotatably mounted on the hub, means secured to the outer end of the disc and forming a drum around which a flexible cord may be wound, a spring between said means and the hub, a ratchet wheel disposed

between said disc and one of said side members and secured to the disc, a pawl for the ratchet pivotally secured to the said one side member, and means comprising a clamp for securing said device to a flexible element.

2. In a device of the character described, the combination of a hub, a pair of side members rigidly secured to said hub and held in spaced relation relatively to each other, a disc mounted on the hub between the side members and provided at its outer end with an inwardly and an outwardly extending integral flange, a ring secured to said inwardly extending flange and forming a drum around which a flexible cord may be wound, said ring being provided with an outwardly extending integral flange which is disposed opposite the outwardly extending flange of the disc and forms therewith sides for the drum, a spring between and connected to said inwardly extending flange and said hub, a pawl and ratchet connection between one of the side members and said disc, and means for securing said device to a flexible element.

Signed at Chicago, Illinois, this 5th day of April, 1924.

CLAUS W. HALLBERG.