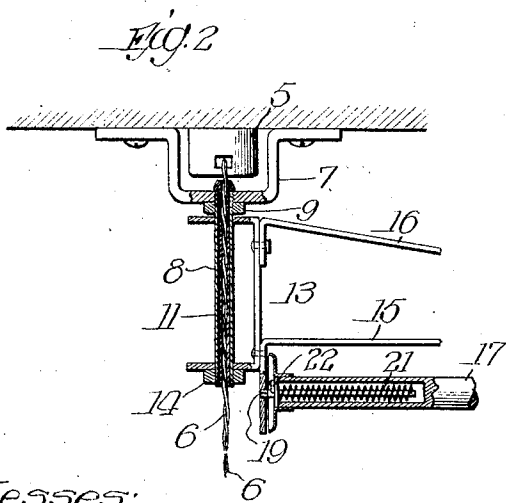
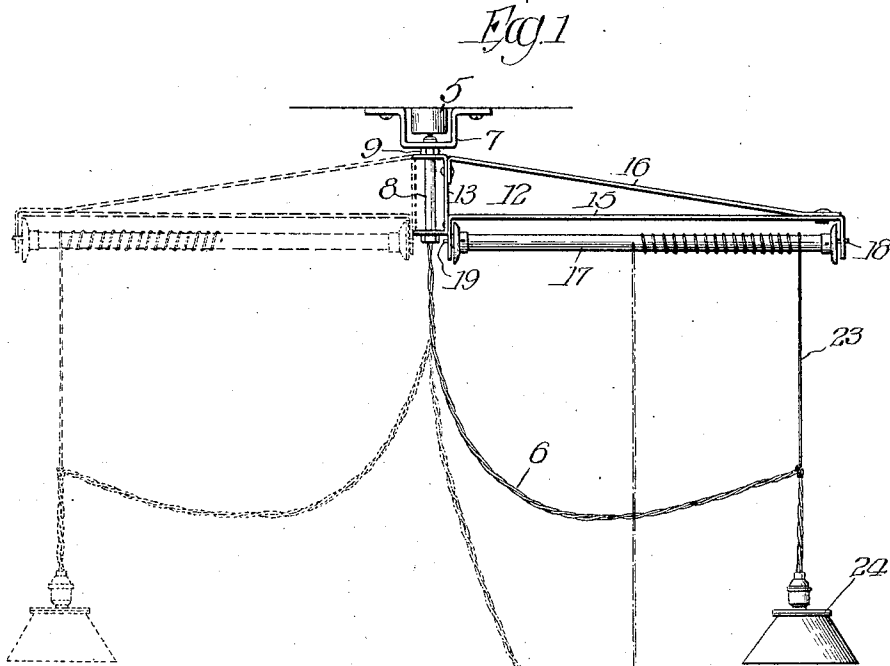


T. N. BURKE.
ADJUSTABLE LIGHT HOLDER.
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1,062,691.

Patented May 27, 1913.



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UNITED STATES PATENT OFFICE.

THOMAS N. BURKE, OF CHICAGO, ILLINOIS.

ADJUSTABLE LIGHT-HOLDER.

1,062,691.

Specification of Letters Patent.

Patented May 27, 1913.

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To all whom it may concern:

Be it known that I, THOMAS N. BURKE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Adjustable Light-Holders, of which the following is a specification.

This invention relates to holders for electric lights and aims to provide an adjustable holder so constructed that the lamp may be swung in a circle about a pivot point to vary the angular position of the light and also adapted to have a light suspended therefrom in such a way that its height and also its distance from the pivotal point of the holder may be readily adjusted.

The invention consists of certain novel features of construction which will be best understood by reference to the following description when considered in connection with the accompanying drawings illustrating one preferred embodiment thereof.

Referring to the drawings Figure 1 is a side view of a support embodying my invention, the light being shown in various positions in dotted lines; and Fig. 2 is an enlarged detail view, partially in section, showing the pivot stud and one end of the spring roller.

On the drawings, 5 designates a ceiling plug of usual construction through which the usual electric light cord 6 enters the room. A bracket 7, preferably of U-shape, is secured to the ceiling adjacent said plug and is provided with a centrally disposed threaded opening to receive the threaded upper end of a metallic pivot stud 8 which is prevented from unscrewing from the bracket by a lock nut 9. An insulating lining 11, constructed of porcelain or other suitable material, is positioned in the stud 8 to receive and protect the light wire or cord 6.

A bracket 12 is pivotally mounted on the stud 8 to swing in a circle about the stud as a center. This bracket comprises a U-shaped member 13, the legs of which are provided with perforations adapted to fit over the stud 8 and turn thereon, a suitable nut 14 or other means being provided at the bottom of the stud to retain the member 13 in position. A second elongated U-shaped member 15 is attached at one end to the member 13, the upper end of the member 13 and the outer end of the member 15 being preferably connected in a rigid manner by a brace 16 or

other suitable member riveted to the members 13 and 15 respectively.

The downwardly projecting ends of the member 15 are provided with suitable apertures to receive the ends of a spring-controlled roller 17. The aperture in the outer end of the member 15 is preferably made round to accommodate the round pintle 18 on the outer end of the roller 17 and the aperture in the inner end of the member 15 is preferably oblong to receive the squared pintle 19 upon which the inner end of the roller is adapted to turn. A spring 21 is connected at one end to the pintle 19 and at its other end with the roller 17, said pintle and spring being disposed within the periphery of the roller, as shown in Fig. 2, and a suitable dog 22 adapted to engage with a ratchet on the pintle 19 is utilized to connect the roller with the pintle in the usual manner.

A supporting cord 23 is attached at one end to the roller 17, preferably at the center thereof, and is connected at its other end to an electric lamp 24 or to the cord 6 directly above the lamp, as shown in Fig. 1. Whenever it is desired to lower the lamp from the position shown in full lines in Fig. 1, this result may be accomplished by simply grasping the lamp and pulling down thereon, thus unwinding the cord 23 from the roller and at the same time placing the spring 21 under tension so that it will wind up the roller again if a quick jerk is given the cord 23 to release the pawl or dog 22. The lamp may therefore be raised or lowered to any required height and its position longitudinally of the roller may be adjusted as desired by moving the lamp toward or from the pivot stud 8 while the cord 23 is being wound on the roller. It will be manifest, therefore, that the height of the lamp and its distance from the pivot stud may be readily adjusted. By pulling upon the lamp at an angle to the longitudinal axis of the roller 17 the roller and its supporting bracket can be swung to any desired position about the stud to bring the lamp over in desired location. Since the roller and lamp swing about the pivot studs through which the electric light cord or wire 6 passes it will be obvious that the lamp may be swung entirely around in a circle without twisting the cord or becoming entangled with the cord.

The invention is particularly advantageous for use in drafting rooms, factories, garages and other places where it is necessary and desirable that the lamp be moved
 5 over a considerable range of area as, for instance, in moving the lamp from one side to the other of an automobile or from one end to the other of a long drafting board.

The invention, which it is believed will be
 10 understood from the foregoing without further description, is simple in construction and is easily manipulated to bring the lamp to any desired position by simply grasping the lamp and raising it and lowering it or
 15 moving it toward and from the pivot stud or swinging it about the pivot stud as desired.

It will be obvious that various mechanical modifications of the structural details disclosed can be made without departing from
 20 the essence of the invention as set forth in the appended claims.

I claim:

1. An adjustable light holder comprising
 25 a hollow pivot stud adapted to receive an electric light cord, a bracket pivotally supported by and adapted to swing about said stud, a roller mounted at each end in said bracket, and a flexible supporting cord attached at one end to said roller and connect-
 30 ed with an electric lamp whereby the height of said lamp may be adjusted by winding the cord on or unwinding the cord from said roller.

2. An adjustable light holder comprising
 35 a hollow pivot stud provided with an insulating lining and adapted to receive an electric light cord, a bracket pivotally supported by said stud and adapted to swing in an arc
 40 about the stud, a spring roller supported at each end in said bracket, and a flexible sup-

porting cord attached at one end to said roller and adapted to be connected with an electric lamp whereby the height of said
 45 lamp may be adjusted by winding the cord on or unwinding the cord from said roller.

3. An adjustable light holder comprising a hollow insulated pivot stud adapted to receive an electric light cord, a pivotally
 50 mounted bracket projecting laterally from said stud and adapted to swing in an arc about the stud, a spring roller carried by said bracket, a supporting cord attached to said roller and adapted to be connected with
 55 an electric lamp, said cord being adapted to be wound on and unwound from the roller to vary the height of the lamp and also to vary the horizontal distance of the lamp from the stud, and said roller and bracket
 60 being adapted to swing about the stud to vary the angular position of the lamp relatively to the stud.

4. An adjustable light holder comprising a hollow pivot stud adapted to receive the
 65 wire cord of the light to be supported, a bracket pivotally mounted on said stud and provided adjacent each end with downwardly projecting portions, a spring roller having its ends supported in said down-
 70 wardly projecting portions of the bracket and a supporting cord attached at one end to said roller substantially midway its ends and adapted to be connected at its other end with
 75 the lamp to support the same from the roller whereby the lamp may be swung in an arc about the light wire extending through said pivotal stud.

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Witnesses:

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