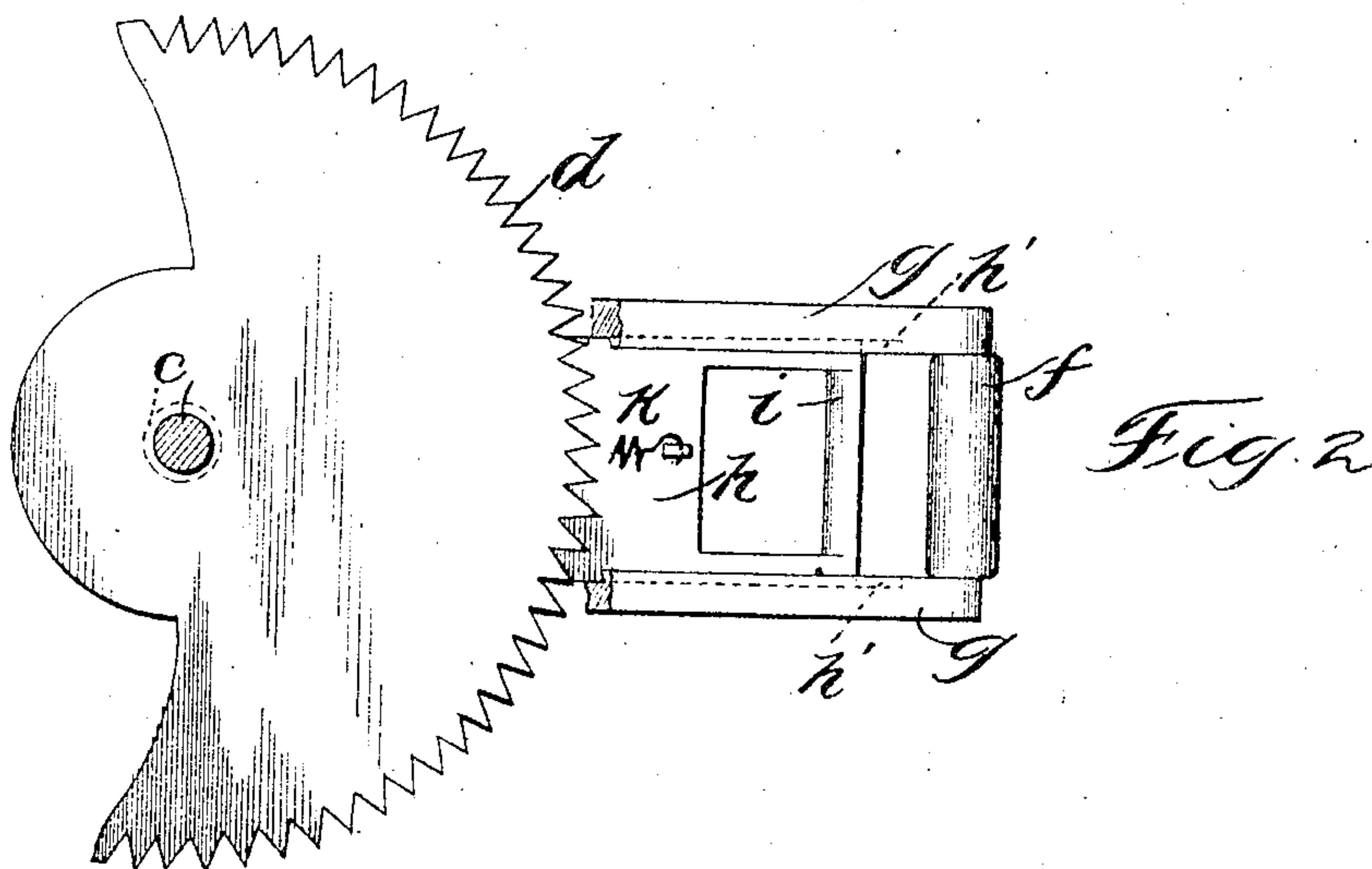
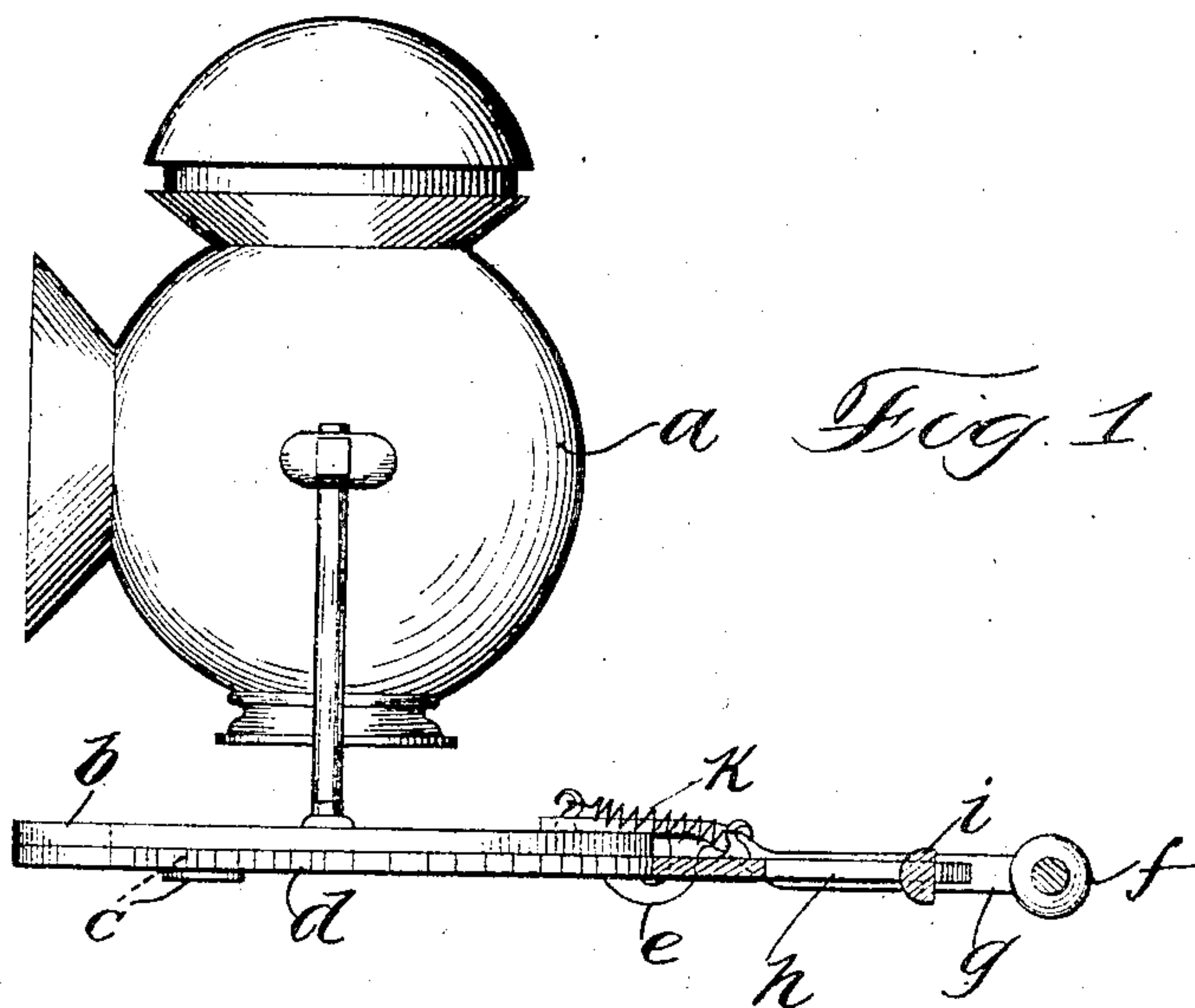


No. 843,928.

PATENTED FEB. 12, 1907.

C. B. BROUGHTON.  
LAMP.

APPLICATION FILED FEB. 13, 1906.



Witnesses:

Leon Stroh  
Chas. E. Ashby

Inventor:  
Charles B. Broughton  
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Attorney.



# UNITED STATES PATENT OFFICE.

CHARLES B. BROUGHTON, OF CHICAGO, ILLINOIS.

## LAMP.

No. 843,928.

Specification of Letters Patent.

Patented Feb. 12, 1907.

Application filed February 13, 1906. Serial No. 300,855.

*To all whom it may concern:*

Be it known that I, CHARLES B. BROUGHTON, citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Lamps, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to lamps, and particularly to that class of lamps from which the flow of light is restricted to definite paths—as, for example, search-lights.

My invention finds particular utility in connection with automobile-lamps, though the invention is not to be restricted to this use.

The invention has for its general object the provision of improved mechanism whereby a lamp may readily be adjusted in position and have such adjustment made secure.

In accordance with the preferred embodiment of my invention I provide a base for the lamp that is journaled to rotate in a horizontal plane, a rack that is concentric with the axis of rotation of said base, a handle carried by the base, and a locking-dog carried by the handle serving to engage the rack to hold the handle and the base carrying the same in any position to which they may be adjusted. While in automobile practice I prefer to secure the handle to the lamp structure, I do not wish to be limited to a construction in which the handle moves with the lamp structure.

By the term "rack" as used herein I mean any suitable form of locking member with the different portions of which a locking-dog may be engaged. I prefer for such rack a segmental ratchet, with the different teeth of which the locking-dog may engage to effect the adjustment specified.

I will explain my invention more fully by reference to the accompanying drawings, showing one of the preferred embodiments thereof, in which—

Figure 1 indicates a side elevation showing the preferred embodiment of my invention. Fig. 2 is a plan view of the structure, with the exception that the base of the lamp is absent, as are also the portions of the handle connecting with the base.

Like parts are indicated by similar characters of reference throughout the different figures.

The lamp *a* may be of any suitable style.

In the form of the invention shown it is provided with a base *b*, provided with a shaft *c*, that determines the axis of rotation of the base, this shaft desirably being journaled in the body of the rack *d*, the locking element *d* being substantially stationary in the embodiment of the invention shown. Fingers *e*, carried by the handle, engage the nether surface of element *d*, whereby the assembly of elements *b* and *d* is properly maintained. A handle *f* is desirably connected with the base *b* by two side members *g*, constituting, with the main portion *f*, component parts of the handle. A locking element *h* moves with the handle and is desirably movable with respect to the handle, for which purpose said locking element *h* has a grip *i*. The locking element *h* moves in grooves *h'*, provided in the members *g* of the handle, these grooves terminating sufficiently short of the element *f*, so that the hand may not be pinched. The same hand may grasp the grips *f* and *i* at the same time for the purpose of operating the locking element *h* and shifting the position of the base *b*. The locking element *d* has a series of locking places that are distributed around the same in a path concentric with the shaft *c*, these locking places being preferably formed by teeth upon the periphery of the element *d*, which element *d* then constitutes a ratchet. When it is desired to shift the position of the lamp *a*, the grips *f* and *i* are engaged by the same hand, whereafter the grip *i* is moved toward the grip *f* (the locking device *h* being slidable longitudinally of the handle elements *g*) against the force of the spring *k*, attached at one end to the lamp structure and at the other end to the locking element *h*. When the grip *i* is thus moved toward the grip *f*, the lamp *a* and its base *b* may be rotated until the desired position of the lamp *a* has been secured, whereafter the grip *i* may be released, the spring *k* thereupon effecting locking engagement between the locking elements *d* and *h*.

While I have herein shown and particularly described the preferred embodiment of my invention, I do not wish to be limited to the precise construction shown, as changes may readily be made therein without departing from the spirit thereof; but,

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination with a lamp, a mounting for the lamp permitting its bodily rotation, a

handle moving with the lamp structure, and  
a locking device for maintaining the lamp in  
the position in which it is adjusted, said lock-  
ing device including one member carried by  
5 the handle and another member substan-  
tially stationary, the stationary locking  
member being in the form of a rack that is  
concentric with the axis of rotation of the  
lamp and with which the locking member  
10 carried by the handle may be separably en-

gaged, the locking member carried by the  
handle being movable with respect thereto.

In witness whereof I hereunto subscribe  
my name this 9th day of February, A. D.  
1906.

CHARLES B. BROUGHTON.

Witnesses:

G. L. CRAGG,  
LEON STROH.