

C. G. MYERS.

LAMP.

APPLICATION FILED APR. 22, 1910.

996,662.

Patented July 4, 1911.

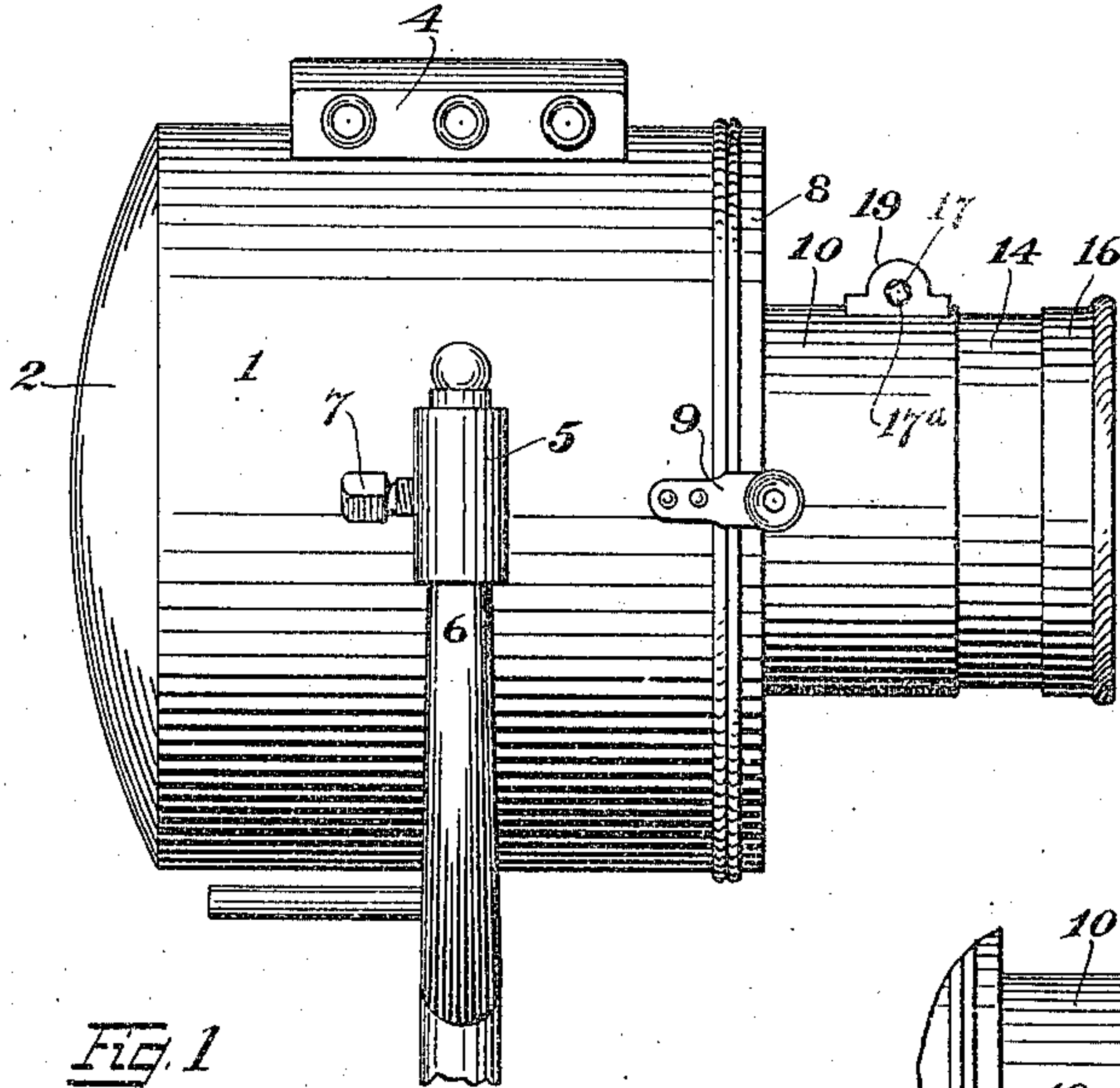


Fig. 1

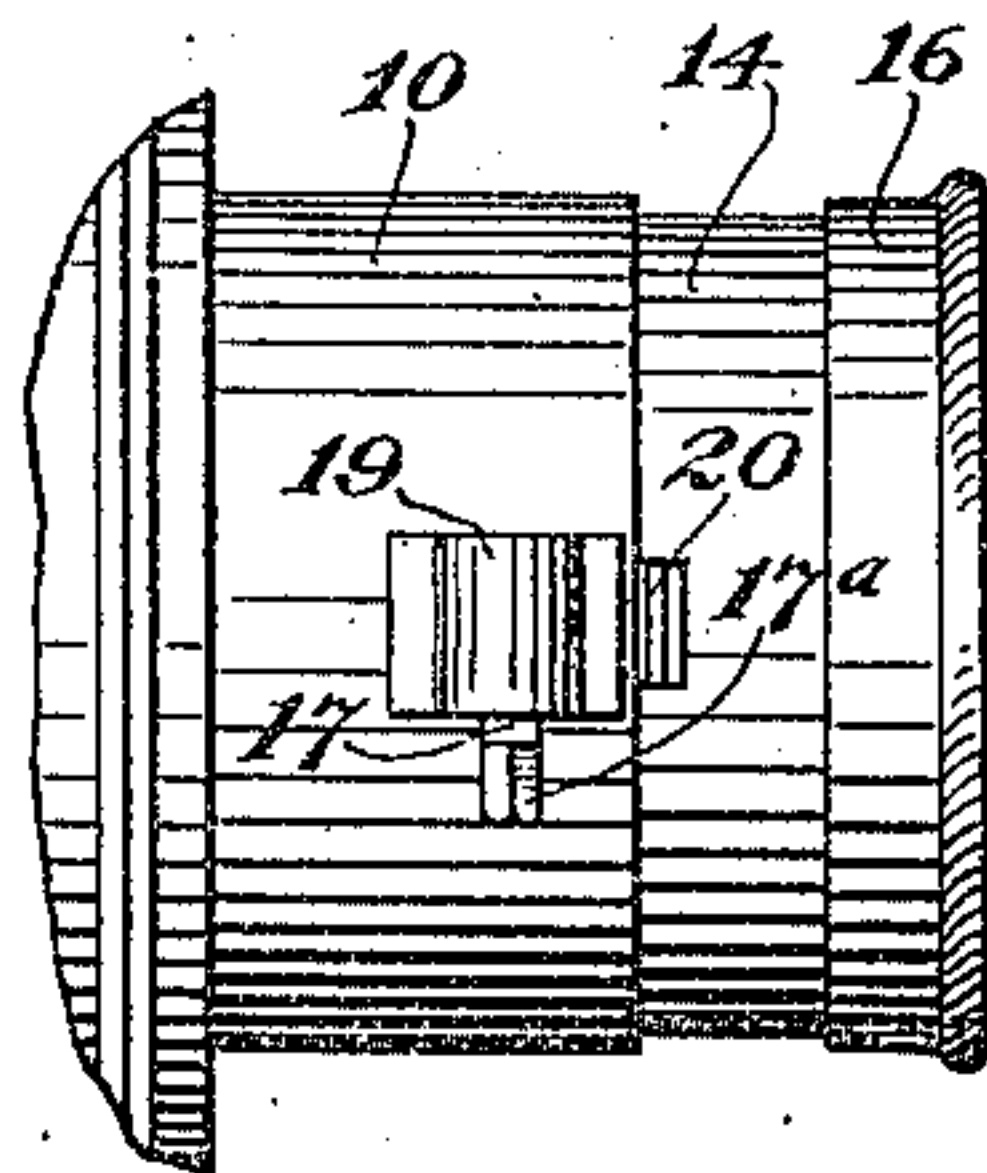


Fig. 2

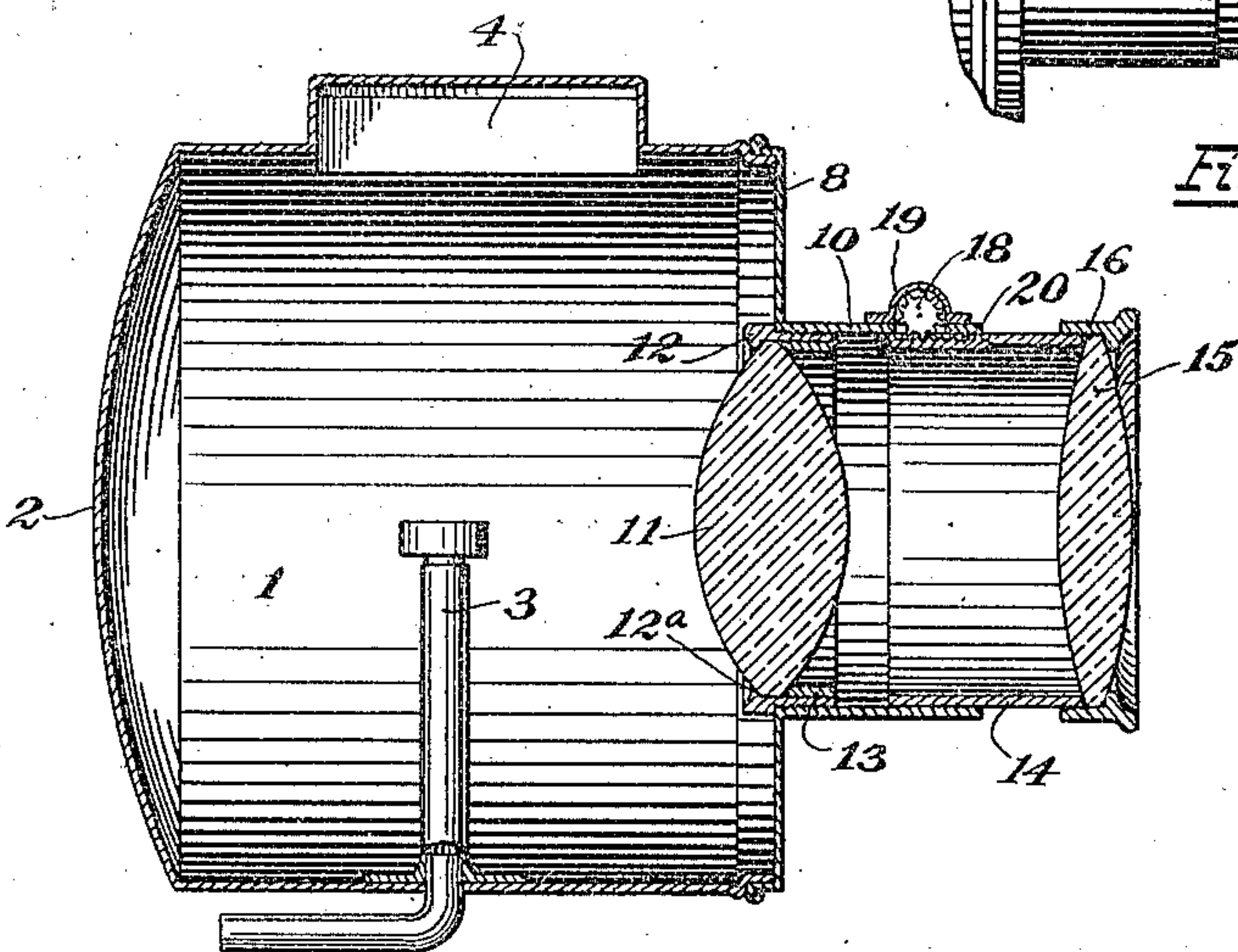


Fig. 3

Witnesses:
H. C. Valentine
A. C. Otters

Inventor:
Charles G. Myers,
by Obed B. Billman
Attorney.

UNITED STATES PATENT OFFICE.

CHARLES G. MYERS, OF CLEVELAND, OHIO.

LAMP.

996,662.

Specification of Letters Patent.

Patented July 4, 1911.

Application filed April 22, 1910. Serial No. 556,932.

To all whom it may concern:

Be it known that I, CHARLES G. MYERS, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Lamps, of which the following is a specification.

My invention relates to improvements in lamps, the present embodiment of the invention being specially designed for use in connection with automobiles and other vehicles.

The primary object of the invention is to provide a generally improved lamp of the character indicated, adapted to be used in connection with any suitable and convenient source of illumination, and to project the rays of light in a much more efficient and desirable manner than now obtained by the ordinary lamp in common use, and this without the glare or dazzle incident to the use of reflectors in such commonly employed lamps.

A further object of the invention is to provide simple and efficient means for regulating the concentration and projection of the rays of light as desired.

With the above mentioned and other ends in view, the invention consists in the novel construction, arrangement, and combination of parts hereinafter described, illustrated in one of its embodiments in the accompanying drawings, and particularly pointed out in the appended claim.

Referring to the drawings, forming a part of this specification, Figure 1, is a side elevation of an automobile lamp constructed in accordance with my invention. Fig. 2, a top plan view of the projecting and lens tubes of the improved lamp. Fig. 3, a longitudinal sectional view of the same.

Similar numerals of reference designate like parts throughout all the figures of the drawings.

The improved lamp comprises a lamp body or casing 1, which may be of any suitable and convenient form, said casing being preferably provided at its rear with a closed concavo-convex shaped rear wall 2. When used in connection with a gas burner 3, as shown, the casing may be provided at its top with the usual ventilating dome 4, and the lamp casing may be supported by means of supporting side sleeves 5, taking over

and adjustably secured upon the usual bracket arms 6, by means of clamping bolts 7. The lamp body or casing 1, is preferably provided at its front with a door or closure 8, hinged at one side and secured in its closed position by means of a spring latch member 9.

The front wall or door 8, of the lamp casing is provided with a projecting tube 10, carrying a condensing lens 11, at its rear. The condensing lens 11, is removably secured in the projecting tube by means of a lens holder 12, provided with an externally threaded portion threaded into an internally threaded portion of the base of the projecting tube 10. The condensing lens 11, is secured in the lens holder 12, by means of an annular flange 12^a, and a lens retaining ring 13, mounted within the lens holder 12.

A lens tube 14, is slidably connected to the projecting tube 10, preferably, by having its open end slidably mounted within the front or open end portion of the projecting tube, said lens tube being provided at its front end with an objective lens 15, removably secured by means of a lens collar 16, threaded upon the front end of the lens tube 14.

As a means for securing and moving said lens tube 14, within the projecting tube 10, whereby the objective lens may be moved to and from the condensing lens for the purpose of regulating the concentration and projection of the rays of light as desired, a shaft 17, carrying a pinion 18, is mounted within a housing 19, upon the front end of the projecting tube, said pinion engaging in a rack 20, on the lens tube 14. The pinion shaft 17, is provided with an angular head 17^a, for the use of a suitable key in manipulating the rack and pinion mechanism as desired.

From the foregoing description, taken in connection with the accompanying drawings, the operation and advantages of my invention will be readily understood.

Having thus described an embodiment of my invention, what I claim and desire to secure by Letters Patent is,—

A lamp, comprising a casing closed at its rear and open at its front, a source of illumination, a hinged front provided with a projecting tube, a lens holder removably

mounted at the rear of said projecting tube, a condensing lens carried by said holder, a lens tube mounted in said projecting tube, an objective-lens removably secured to the front end of said lens tube, and means for adjusting said lens tube in said projecting tube.

In testimony whereof I have affixed my signature, in presence of two witnesses.

CHARLES G. MYERS.

Witnesses:

FRANK BILLMAN,
O. C. BILLMAN.