G. C. MATHER.

LAMP SUPPORT.

APPLICATION FILED AUG. 12, 1918.

1,320,775. Patented Nov. 4, 1919.

Fig. 1.

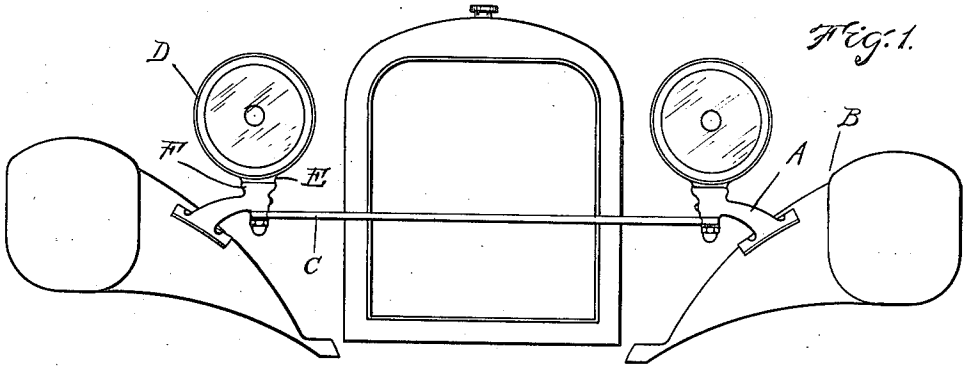
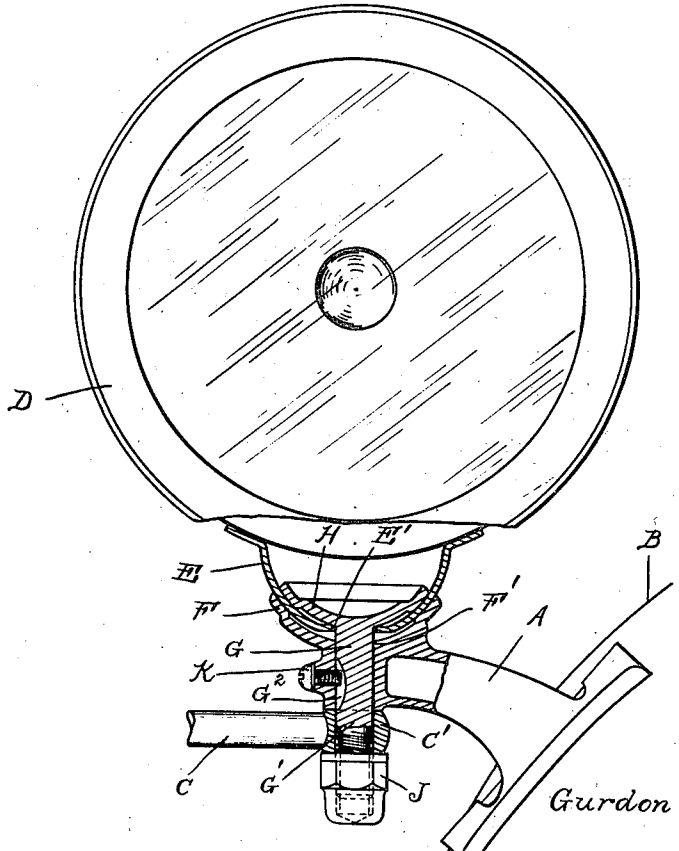


Fig. 2.



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UNITED STATES PATENT OFFICE.

GURDON C. MATHER, OF DETROIT, MICHIGAN, ASSIGNOR TO PAIGE-DETROIT MOTOR CAR COMPANY, OF DETROIT, MICHIGAN, A CORPORATION OF MICHIGAN.

LAMP-SUPPORT.

1,320,775. Specification of Letters Patent. Patented Nov. 4, 1919.

Application filed August 12, 1918. Serial No. 249,426.

To all whom it may concern:

Be it known that I, GURDON C. MATHER, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Lamp-Supports, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention relates to a support for a lamp in which the lamp is adapted for use particularly on an automobile. One object of the invention is to secure a simple substantial construction in which the lamp has a universal adjustment upon its support. Another object is to obtain a construction in which the means for clamping the lamp in its adjusted position is operable from the outside thereof and, furthermore secures the cross brace rod extending between the two lamps on opposite sides of the automobile.

In the drawings:

Figure 1 is a front elevation of an automobile, to which my invention is applied;

Fig. 2 is a cross section through a portion of the lamp and its support.

A is the support or bracket member secured to the wheel fender B, and C is the cross brace rod extending between the supports or bracket members on opposite sides of the automobile. D is the lamp which is provided with the spherical socket member E upon its lower side, which engages the spherical bearing F at the top of the support or bracket member A, the arrangement being such that the lamp is balanced upon its support. G is the shank member having the shank G′ passing through the aperture F′ in the center of the spherical bearing F and through the slot E′ extending longitudinally centrally of the spherical socket member E, the shank member having at the upper end of the shank and spherical head H within and engaging the spherical socket member E. The shank G′ also passes through the eye C′ in the brace member C and a clamping nut J engaging the threaded lower end of the shank serves to clamp both the brace member C and the lamp socket member E.

For the purpose of preventing the turning of the shank member G while turning the clamping nut J, the shank G′ is provided with the longitudinal slot G² located within the support of bracket member A and adapted to be engaged by the cap screw K threadedly engaging the wall in the support or bracket member.

From the above description it will be seen that the lamp D may be swung in a vertical plane, due to the slot E′ in the spherical socket member E through which the shank G′ of the shank member G passes; and also that the lamp D can be rotated in a lateral plane by rotating the socket member E around the shank G′. The combination of these two movements permits of universal movement of the lamp. Due to the arrangement of the shank G′ passing through the slot E′ in the socket member E, the lamp is prevented from falling to one side or the other when the clamping nut is loosened and thereby causing an unsightly appearance. Furthermore, the coöperating faces of the spherical socket member E and spherical bearing F being located beneath the lamp D and beneath and substantially in the vertical line passing through the center of gravity thereof make the lamp balanced, so that the tendency of its moving out of adjusted position is avoided.

To adjust the lamp D the clamping pressure of the spherical head H upon the spherical socket member E is released through slightly unscrewing the clamping nut J. After adjustment of the lamp, the clamping nut J is again screwed tightly on to the shank G′, which is prevented from rotating by means of the cap screw H engaging the slot G² therein.

What I claim as my invention is:

1. The combination with a lamp having a spherical socket member, of a support having a spherical bearing engaged by said socket member, a shank member extending through said support and provided with a spherical head for engaging said socket member, a clamping nut threadedly engaging said shank member, and means for non-rotatably securing said shank member.

2. The combination with a lamp having a spherical socket member, of a support having a spherical bearing engaged by said socket member, a shank member extending through said support and having a spherical head for engaging said socket member and a longitudinally extending groove in the shank portion, a member secured to said support and slidably engaging in said groove, and a clamping nut threadedly engaging the shank portion.

In testimony whereof I affix my signature.

GURDON C. MATHER.