

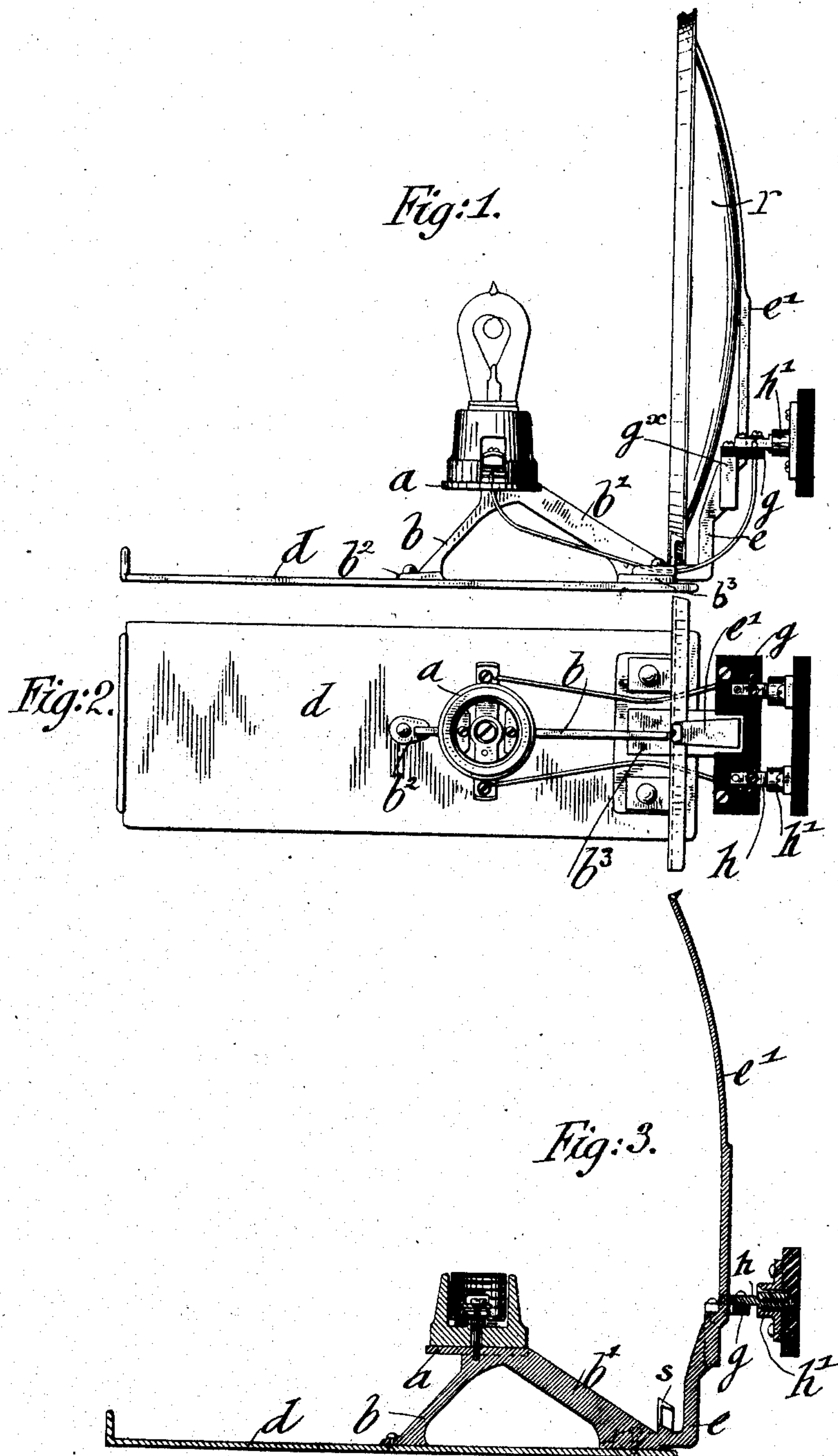
No. 864,542.

PATENTED AUG. 27, 1907.

C. E. JONES.
BRACKET FOR ELECTRIC HEADLIGHTS.

APPLICATION FILED MAY 7, 1907.

2 SHEETS—SHEET 1.



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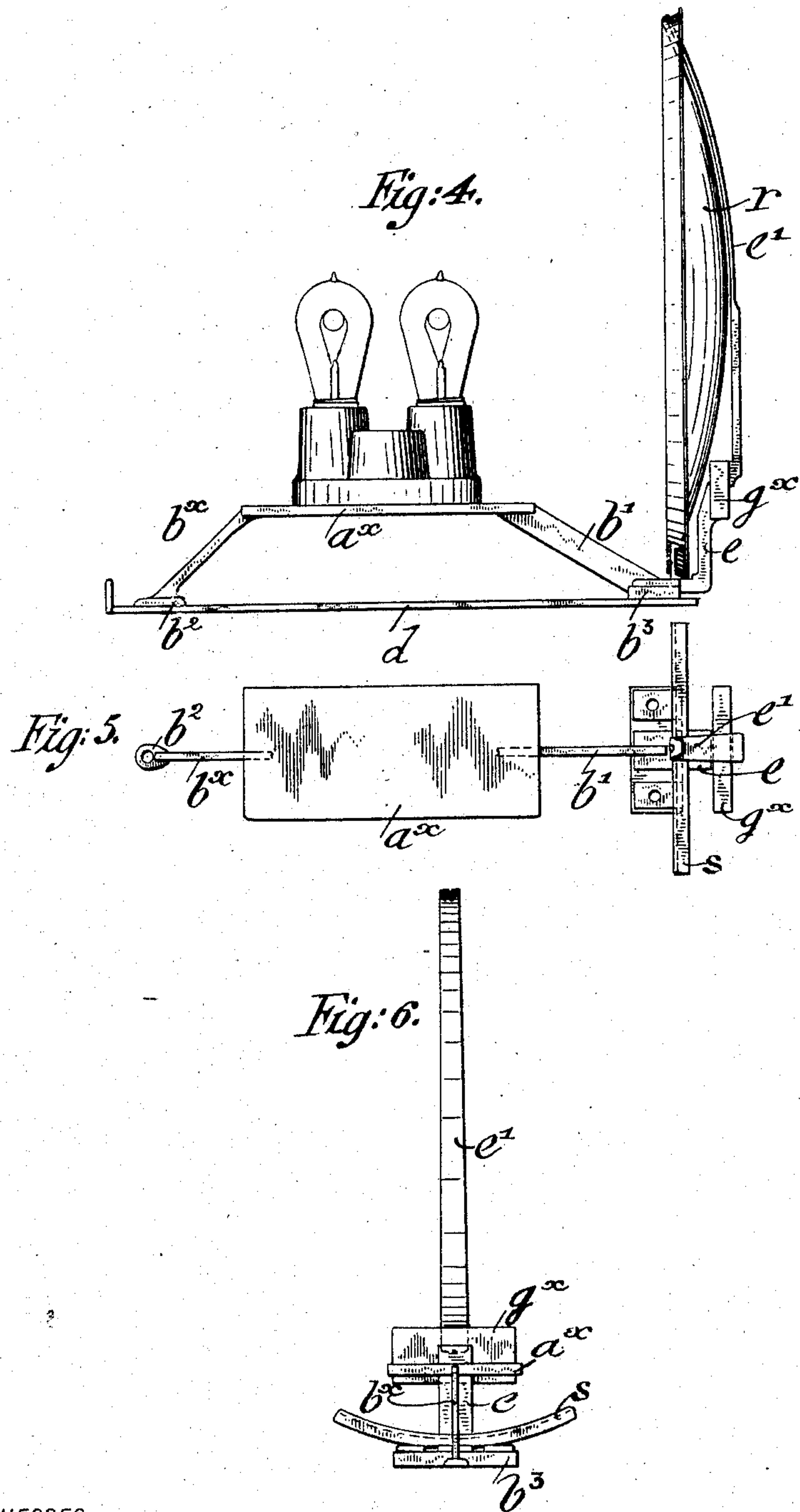
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UNITED STATES PATENT OFFICE.

CHARLES E. JONES, OF NEW YORK, N. Y., ASSIGNOR TO THE DRESSEL RAILWAY LAMP WORKS,
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BRACKET FOR ELECTRIC HEADLIGHTS.

No. 864,542.

Specification of Letters Patent.

Patented Aug. 27, 1907.

Application filed May 7, 1907. Serial No. 372,451.

To all whom it may concern:

Be it known that I, CHARLES E. JONES, a citizen of the United States, residing in New York, in the borough of the Bronx, county and State of New York, have invented certain new and useful Improvements in Brackets for Electric Headlights, of which the following is a specification.

This invention relates to certain improvements in brackets for electric headlights in which the support for the incandescent electric lamp or lamps and the supports for the reflector and the platform for the binding-posts for the conducting-wires are made in one integral casting, so that the parts composing the headlight can be conveniently assembled and put into position at the head of the car or wherever required; and for this purpose the invention consists of a bracket for electric headlights which comprises a platform, a bracket for the same, a bottom seat for the reflector, a curved arm extending upwardly from the bottom seat adapted for supporting the reflector, and a short platform back of the curved arm for receiving the insulating-plate, binding-posts and plug-contacts for conducting the current to the lamp supported on the platform.

In the accompanying drawings, Figure 1 represents a side-elevation of my improved bracket for electric headlights, Fig. 2 is a plan-view of the same, Fig. 3 is a vertical longitudinal section of the improved bracket, Fig. 4 is a side-elevation of a modified construction of the bracket adapted for supporting two lamps, Fig. 5 is a plan-view, and Fig. 6 is an end-elevation of the bracket.

Similar letters of reference indicate corresponding parts throughout the several figures.

Referring to the drawings, *a* represents a platform which is made of sufficient length to receive either one or two lamp-receptacles, according as the headlight is to have either one or two lamps. The platform *a* is supported on two inclined arms *b*, *b*¹ which form a supporting-bracket for the platform *a*, said arms being provided with base-pieces *b*² parallel with the platform and attached to a sheet-metal base-plate *d* of the headlamp, which base-plate is adapted to be guided in stationary ways located within the body of the headlamp. By making the inclined arm *b*¹ strong enough the inclined arm *b* may be dispensed with. From the inclined rear arm *b*¹ extends a rectangularly-bent arm *e*, the lower part of which is connected to the base of the inclined rear arm *b*¹, the upper end of the rectangular arm being connected with a curved upwardly-extending arm *e*¹ that is provided with a lug at its upper end. To the lower arm of the rectangular arm *e* is applied a curved detachable support *s*, which is provided, like the lug at the upper end of the curved arm, with threaded holes for attaching the rim of the reflector *r* to the same by means of fastening-screws,

so that the reflector is supported on the curved lower piece and on the lug at the upper end of the curved arm. From the point of connection between the rectangular arm and the curved arm *e*¹ extends a short platform *g* of suitable insulating material supported on a cross-piece *g*^x and to which the binding-posts *p* for the conducting-wires are applied, the conducting-wires being extended to the lamp or lamps on the platform *a* in such a manner that either one or both lamps can be used. The reflector *r* is provided at the points of connection with the lower arc-shaped support and the lug at the upper end of the curved arm with openings for the fastening-screws.

On the platform *g* are supported two split plugs *h* by which the contact with stationary sockets *h*¹, which are arranged in the case of the head-lamp, is made, when the bracket with its lamp or lamps is pushed in the guideways into the case for the head-lamp. The plug-contacts establish the connection for the electric current with the source of supply in the usual manner.

The parts described, viz., the platform *a*, brackets *b*, *b*¹, rectangular arm *e*, curved arm *e*¹, metallic supporting-plate for the insulating-platform, and the lower arc-shaped supporting-piece for the reflector, are preferably made in one casting, which has the advantage that the bracket is ready for assembling the parts necessary for the head-lamp without requiring a special connection between the individual parts of the same. By making the parts of the headlight-bracket in one integral structure, they are always in the proper relative position towards each other so as to facilitate the assembling; they are also stronger and less expensive, all that is required for placing the structure into use being the insertion of one or two lamps into the receptacles on the lamp-supporting platform, the screwing on of the reflector, and the arranging of the conducting-wires from the binding-posts to the lamps, and finally mounting the same on the supporting-platform so that the whole structure can be placed in guideways of the body of the head-lamp at the head of the car or at whatever point the guideways for the base-plate are arranged.

In the form shown in Figs. 4, 5 and 6, the platform *a*^x is made larger in order to support a number of lamps, and the forward supporting-arm *b*^x for the platform is at the front of the base-plate, instead of near the center. Otherwise the construction is the same as that just described. In these figures the electrical connections are omitted.

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

1. A bracket for electric headlights, comprising a platform for the lamp-receiving receptacle, inclined arms for supporting the same, an angular connecting-arm, a curved arm extending upwardly from the same, an arc-shaped sup-

port on said arm for the lower part of the reflector, a lug at the upper end of the curved arm for supporting the upper part of the reflector, and a supporting-plate for the insulator for the binding-posts.

- 5 2. A bracket for electric headlights, comprising a platform for the lamp-receiving receptacle, inclined arms for supporting the same, an angular connecting-arm, a curved arm extending upwardly from the same, an arc-shaped support on said arm for the lower part of the reflector, a lug
10 at the upper end of the curved arm for supporting the upper part of the reflector, and a supporting-plate for the insulator for the binding-posts, all of said parts being made in one integral structure.

- 15 3. The combination of a headlight-bracket consisting of a platform for the lamp, inclined arms extending in opposite direction provided with base-plates, a rectangularly-

bent arm at the base of the rear arm, an arc-shaped support for the lower part of the reflector, a plate at the upper end of said rectangular arm, a curved arm provided with a lug at its upper end for supporting the upper part of the reflector, said arc-shaped support and the lug at the upper end of the curved arm being provided with means for supporting the reflector, and means for connecting the lamp-receptacle or receptacles supported on the platform with the binding-posts for the conducting-wires. 20

In testimony, that I claim the foregoing as my invention, I have signed my name in presence of two subscribing witnesses. 25

CHARLES E. JONES.

Witnesses:

PAUL GOEPEL,

HENRY J. SUHRBIER.