

(No Model.)

2 Sheets—Sheet 1.

A. H. BAUER.
PORTABLE ELECTRIC LAMP.

No. 423,207.

Patented Mar. 11, 1890.

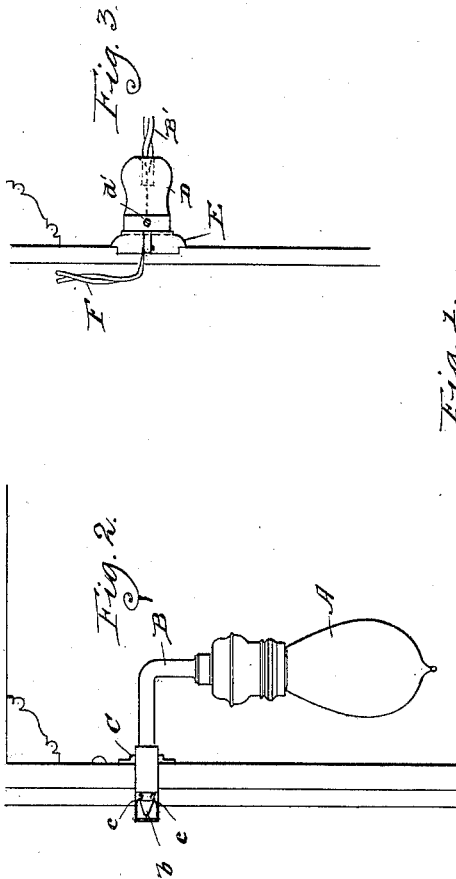
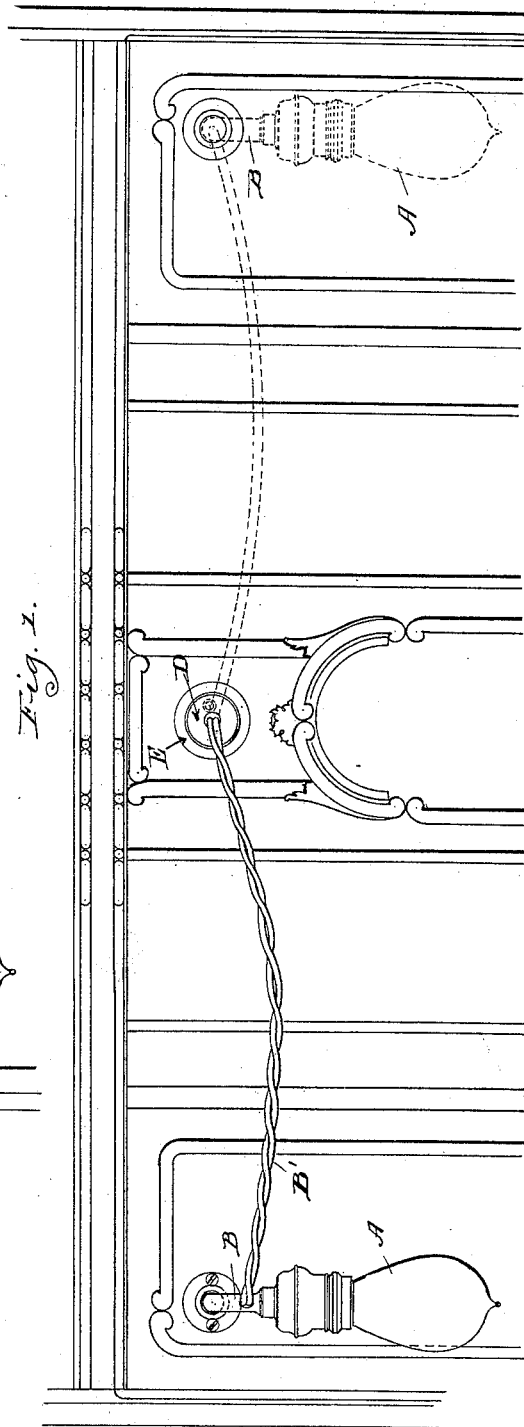


Fig. 2.

Fig. 3.



Witnesses.
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C. C. Luthicann.

Inventor,
Alexander H. Bauer
By Offield & Towle Attys.

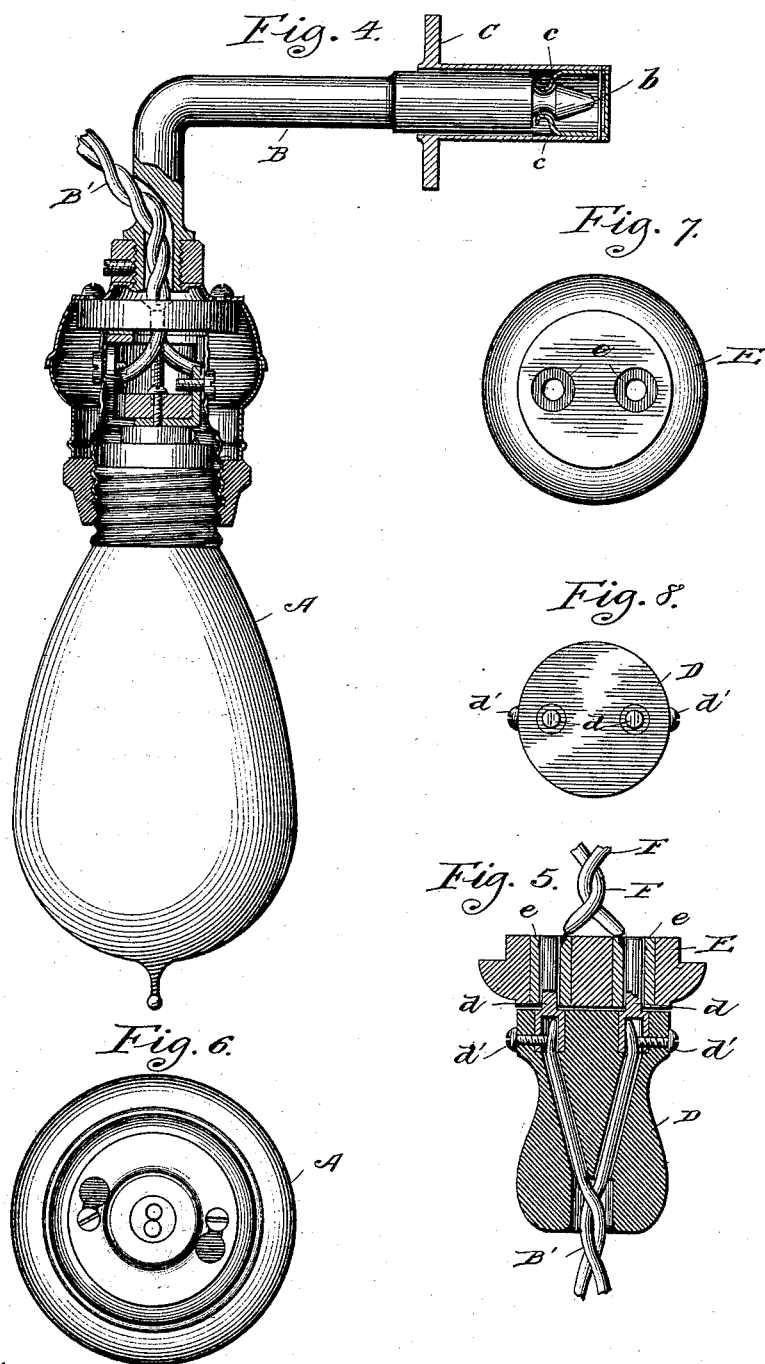
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UNITED STATES PATENT OFFICE.

ALEXANDER H. BAUER, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE PULLMAN'S PALACE CAR COMPANY, OF SAME PLACE.

PORTABLE ELECTRIC LAMP.

SPECIFICATION forming part of Letters Patent No. 423,207, dated March 11, 1890.

Application filed August 10, 1889. Serial No. 320,362. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER H. BAUER, a citizens of the United States, residing at Chicago, Illinois, have invented certain new and useful Improvements in Portable Electric Lamps, of which the following is a specification.

The object of this invention is to provide a portable electric lamp which shall be particularly adapted for use in lighting the interior of passenger-cars; and the invention consists in a portable electric lamp and its connections, as hereinafter described, and particularly pointed out in the claim.

In the accompanying drawings, Figure 1 is an elevation of the interior of a car, showing my portable lamp in use, an alternative position being indicated in dotted lines. Figs. 2 and 3 are side elevations, respectively, of the lamp and of a contact device used to connect the lamp-wires with the line-wires. Figs. 4 and 5 are elevations, partly in section, of the same parts. Fig. 6 is a plan view of the lamp, the bracket and wires removed. Fig. 7 is a plan view of a fixed socket-piece which receives the movable block, to which is connected the lamp-wires; and Fig. 8 is a bottom plan view of the movable block.

A indicates an incandescent lamp, which may be of the usual construction, except that at its top it has secured thereto a bracket B, the end of which is adapted to enter a socket-piece C, which will be permanently secured to the car. This socket-piece has, by preference, within its hollow the spring-clamps *c c*, and the bracket B has an end *b*, which is adapted to be engaged and retained by said clamps, as clearly shown in Fig. 4. Any number of these socket-pieces may be secured in the interior of the car—as, for example, where the lamp is to be used in a sleeping or parlor car, one may be provided in the panel between the windows of each berth or seat space, and their form may be modified.

B' B' indicate the lamp-wires, which will have their outer ends secured in a movable contact-block D, preferably by means of the

hollow binding-posts *d* and set-screws *d'*. E is a block of insulating material having the metallic bushings *e*. These blocks will be secured to the walls of the car, and wires, as F F, from the dynamo will be connected to these bushings. When the binding-posts *d* of the block D are inserted in the bushings *e* of the block E, the current passes to the lamp through wires F, the bushings, binding-posts, and wires B' B'. The last-named wires are flexible and of such length, preferably, as to permit the placing of the lamp A in two or more positions, as indicated in Fig. 1.

When it is desired to remove the lamp entirely—as, for example, during the day or at night when the berths are to be made up—the bracket B is withdrawn from the socket C and the block D is removed from block E, thus breaking the connections, which are as readily formed whenever desired.

The advantages of this portable lamp are many. By its use the light may be brought in such convenient proximity to a person occupying a berth or chair seat as to make reading by its light easy, and the lamp may be readily accommodated to the locating of the seats and to special requirements.

The construction above described is simple and efficient; but modifications thereof may be made within wide limits without departing from my principal invention.

I claim—

In a portable incandescent lamp, the combination, with the lamp having a bracket arm secured therewith, of a socket or receptacle adapted to receive the end of the bracket-arm and having spring-clamps therein to engage said arm, lamp-wires having their ends secured in the hollow of binding-posts, said posts, and a block having metallic bushings to receive the posts, said bushings forming the terminals of an electric circuit, substantially as described.

ALEXANDER H. BAUER.

Witnesses:

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