

(No Model.)

J. S. CONWELL.
BAND LAMP AND TORCH SUPPORT.

No. 295,982.

Patented Apr. 1, 1884.

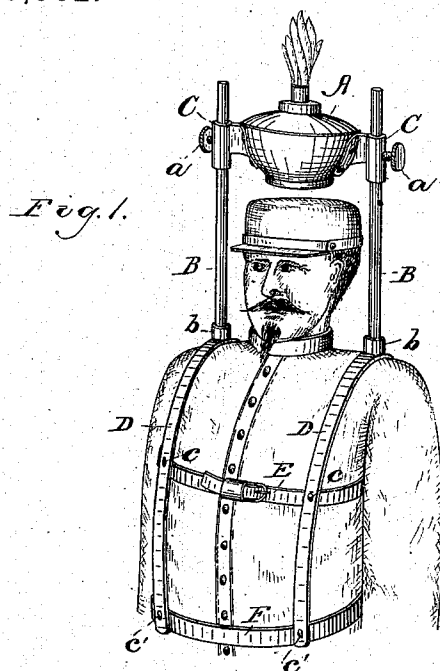


Fig. 2.

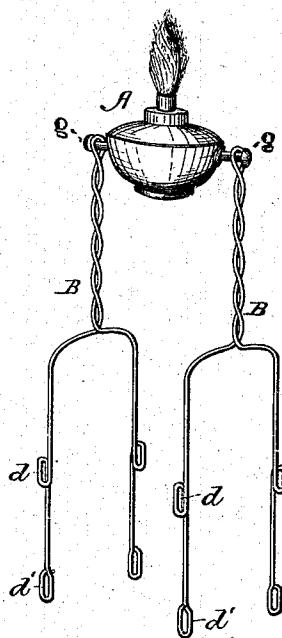


Fig. 3.

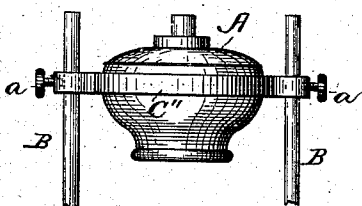


Fig. 4.

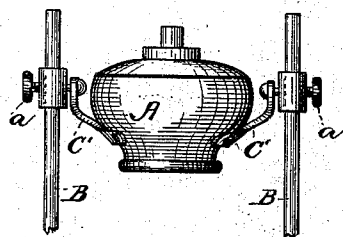


Fig. 5.

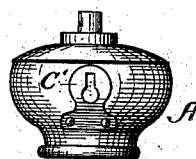
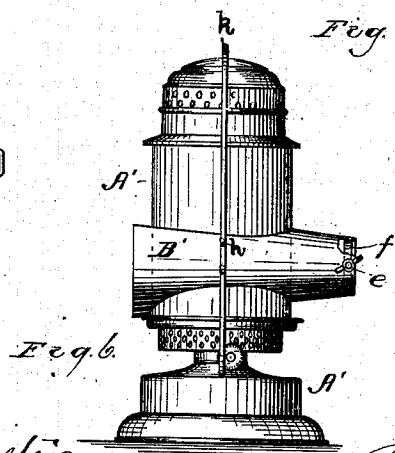
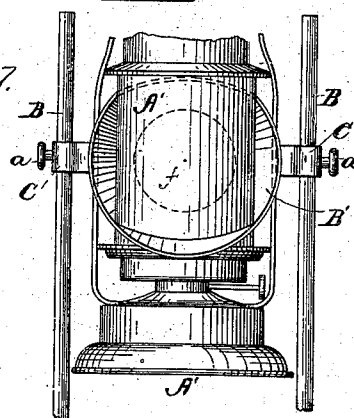


Fig. 6.



Witnesses,

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UNITED STATES PATENT OFFICE.

JAMES S. CONWELL, OF EVANSTON, ILLINOIS.

BAND LAMP AND TORCH SUPPORT.

SPECIFICATION forming part of Letters Patent No. 295,982, dated April 1, 1884.

Application filed November 28, 1883. (No model.)

To all whom it may concern:

Be it known that I, JAMES S. CONWELL, a resident of Evanston, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Band Lamp and Torch Supports, of which the following is a full, clear, concise, and exact description, sufficient to enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

The object of my invention is to provide a more practical means for carrying band and other lamps or torches without interfering with the free use of the hands and arms.

Heretofore lamps and torches designed for use by musicians, miners, and organizations have been attached to and supported by staves or the head-gear of the wearer. In the case of musicians this latter method is disadvantageous, as the slightest movement of the head produces an unsteady light. These objections have been obviated in my invention, which consists of certain features of construction hereinafter described, illustrated, and specifically set forth in the claims.

Referring to the accompanying drawings, Figure 1 is a perspective of a band lamp and torch support constructed in accordance with my invention. Fig. 2 is a modified construction of the same. Figs. 3, 4, and 5 are modifications of details hereinafter described. Fig. 6 is a side view of a band-lamp. Fig. 7 is a front view of same lamp in detail embodying my invention.

A represents the body of the lamp or torch, which may be of any suitable conformation, provided with brackets C, which are perforated or otherwise adapted for connection with the supporting-rods B, connected with or formed as portions of shoulder-straps D, which are provided with suitable means, such as a strap or straps, E and F, to secure the shoulder-straps firmly upon the shoulders of the wearer or user.

B' represents a reflector adapted for use in connection with my invention.

By the construction of the parts thus far described it will be seen that a lamp may be supported above the head of a person without requiring the use of his hands, and I do not re-

strict myself to any particular construction of the details, but deem the unauthorized use of the principal elements—that is to say, the shoulder-straps, the supporting-rods, and a lamp, with or without the reflector B', adapted to be supported thereby—as an infringement of my rights.

As clearly illustrated in the drawings, the shoulder-straps D and the supporting-rods B may be formed of separate pieces and screwed together, as at *b*, or otherwise secured together; or they may be formed of one piece of material, as shown in Fig. 2, of a wire bent or twisted upon itself to form the supporting-rods B, with an eye, *g*, at the upper end of each, and curved at the lower end of each to form the shoulder-straps D, and these may be each bent to form one or more loops, *d*, for the retaining strap or straps E and F; or, as shown in Fig. 1, the straps E and F may be riveted to the shoulder-straps D, as at *e*, instead of forming the loop *d*.

In the construction shown in Fig. 2, the brackets C are formed as trunnions. In Fig. 1 the brackets C are secured rigidly to the lamp-body, and are perforated vertically for the reception of the supporting-rods B, and are provided with set-screws *a*, whereby the height of the lamp above the head of the wearer may be adjusted. If desired, the brackets C may be provided with key-hole slot, and a trunnion may be formed on the lamp adapted to operate with said key-hole slot; or an ear provided with such a slot, C', may be secured to the lamp, as shown in Fig. 5, and a trunnion formed on the bracket C, as shown in Fig. 4, may be used in connection therewith.

It will be noticed that in the construction shown in Figs. 1, 3, and 7 the lamp is rigidly connected with the supporting-rods B, while in Figs. 2 and 4 the lamp oscillates.

In Fig. 3 is shown a modification of my invention in which the brackets C and the inclosing-ring C', in which the lamp A rests, are formed of one piece of material and secured to the supports B by thumb-screws *a*.

In Fig. 6 is shown a side view of a lamp designed for use in connection with my invention, with a reflector, B', in the form of a truncated cone, having at its smaller base, and within the same, a movable reflector, *f*, adapt-

ed to be turned by the thumb-screw *e* to a convenient angle. The reflector *B'* may be attached to the lamp-frame by rivets, as at *h*, and slotted on top to admit of the removal of
5 the lamp-chimney by slipping the support *K* a little either way; or the reflector may be formed in two parts and joined to each other and attached to the lamp-frame by thumb-screws, or in any of the ways well known in
10 the art.

Fig. 7 shows the same lamp, *A*, with its reflector *B'* attached by the brackets *C* to the supports *B* by the thumb-screws *a*. Such other variations in detail may be made as will suggest themselves to a skilled mechanic.
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Having thus described my invention and its operation, what I claim is—

1. A lamp provided with brackets, in com-

bination with supporting-rods, shoulder-straps, and means for securing the latter in position, substantially as specified.

2. A band lamp or torch support comprising shoulder-straps and lamp-supporting-rods formed of a single piece of material, substantially as specified.

3. The supporting-rods *B* and shoulder-straps *D*, having loops *d*, formed of a single piece of material, substantially as specified.

4. The combination of the lamp *A*, reflector *B'*, rods *B*, shoulder-straps *D*, and retaining strap or straps *E* and *F*, substantially as shown and described.

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Witnesses:

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