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A. J. M. CORNS

ELECTRIC LIGHT ATTACHMENT FOR BEDS

Filed April 18, 1921

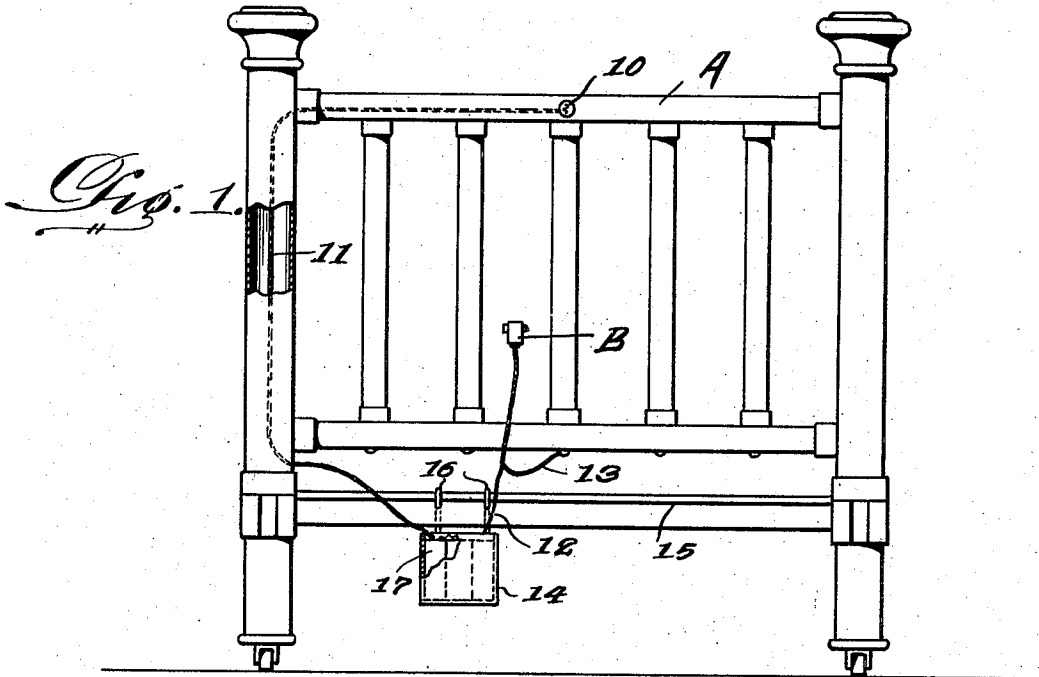


Fig. 2.

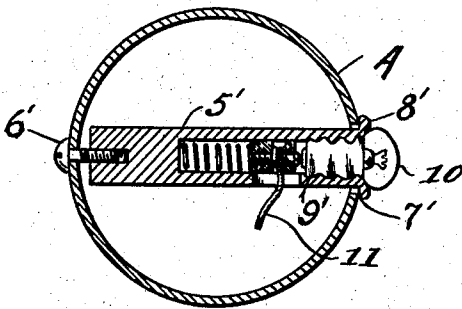
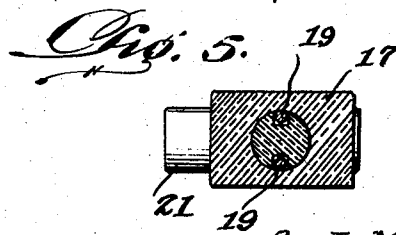
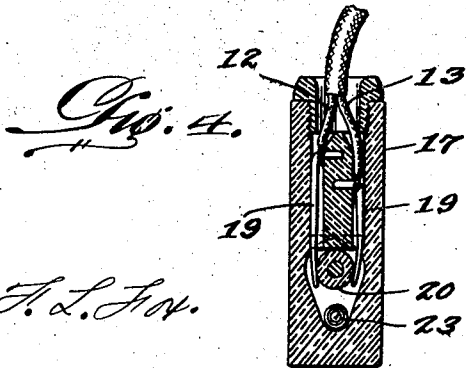
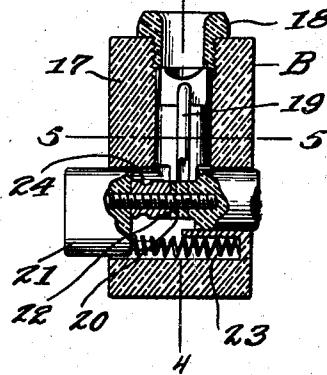


Fig. 3.



H. L. Fox.

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INVENTOR

BY *Victor J. Evans.*

ATTORNEY

WITNESSES:

UNITED STATES PATENT OFFICE.

ALFRED J. M. CORNS, OF QUINNIMONT, WEST VIRGINIA.

ELECTRIC-LIGHT ATTACHMENT FOR BEDS.

Application filed April 18, 1921. Serial No. 462,128.

To all whom it may concern:

Be it known that I, ALFRED J. M. CORNS, a citizen of the United States, residing at Quinnimont, in the county of Fayette and State of West Virginia, have invented new and useful Improvements in Electric-Light Attachments for Beds, of which the following is a specification.

This invention comprehends the provision of an electric light for bedsteads whereby the use of light may be conveniently had at any time, the invention being in the nature of an attachment which is simple in construction, so as to be manufactured and sold at a very nominal cost, and designed to be associated with beds of wellknown construction.

In carrying out the invention, I provide a switch of novel construction, wherein the movable element of the switch is designed to close the circuit in a predetermined position, and is further designed to co-operate with means whereby it may be locked in an active position against the tension of means which normally hold the movable element in its inactive position.

The nature and advantages of the invention will be better understood when the following detailed description is read in connection with the accompanying drawing, the invention residing in the combination, construction, and arrangement of parts as claimed.

In the drawing forming part of this application, like numerals of reference indicate similar parts in the several views and wherein:

Figure 1 is a view showing the manner of attaching the invention with a bedstead.

Figure 2 is a sectional view taken through a portion of the bedstead and the lamp.

Figure 3 is a sectional view through the switch.

Figure 4 is a sectional view taken on line 4—4 of Figure 3.

Figure 5 is a sectional view taken on line 5—5 of Figure 3.

Referring to the drawing in detail, A indicates a bedstead of wellknown construction with which the device forming the subject matter of the invention is adapted to be associated.

Mounted within the tubular frame elements of the bedstead is an elongated lamp supporting body 5' which extends transversely of this frame element. One end of

this elongated body 5' is supported by a screw 6' passing through the tubular frame element and threadedly engaged in the adjacent end of this member 5'. The opposite end of the member 5' is received in an opening 7' provided in the tubular frame element at a point diametrically opposite the screw 6' which terminates in an annular flange or bead 8' which is arranged exteriorly of the frame element of the bedstead. A lamp receiving socket 9' is formed in the beaded flanged end of the elongated body 5' and received in this socket is an electric lamp bulb 10. The light 10 is connected in circuit by means of the wire 11 which is preferably trained through the hollow members of the bedstead as shown in Figure 1, and terminally connected to the source of current. The circuit also includes the wire 12 which leads from the source of current this wire having a branch 13 grounded to the bedstead. The wire 12 may be of any suitable length, so that the switch indicated generally at B may be arranged beneath the pillow or within convenient reach of the user. Illumination is frequently desired at night time for various reasons, and by means of the present invention, it is only necessary to operate the switch B which is in convenient reach of the occupant of the bed, in order to light the lamp 10. The source of current preferably includes a casing or receptacle 14 which is suspended from a transverse member 15 of the bedstead by means of the elements 16, these elements being designed to engage the transverse member 15. The casing or receptacle 14 supports a number of dry cells 17.

The switch indicated at B comprises a hollow body portion 17 which receives a threaded bushing 18, through which the wire 13 is passed for association with the opposed contacts 19. These opposed contacts are of a resilient nature to constantly engage the shank 20 of a push button 21 which is arranged to slide transversely of the body of the switch and between the opposed contacts. The shank 20 includes a metallic portion 22 which when the push button is adjusted to a predetermined position is engaged by the opposed contacts to illuminate the lamp 10. Positioned within the body portion of the switch is a coiled spring 23 which is associated with the push button in a manner to normally hold the

latter in its inactive position as illustrated in Figure 3. The shank 20 of the push button is also provided with an annular groove 24 which receives the opposed contacts to lock the push button in an active position when use of the lamp is desired for any appreciable length of time. The lamp however may be lighted upon a slight adjustment of the push button against the tension of the coiled spring, and remain lighted as long as the pressure is exerted against the push button, in which instance, the lamp is used as a flash light. However, when the lamp is desired to be used otherwise the push button is adjusted until the groove 24 is arranged to be engaged by the opposed contacts for the purpose above stated.

While it is believed that from the foregoing description the nature and advantages of the invention will be readily apparent, I desire to have it understood that I do not limit myself to what is herein shown and described, and that such changes may be resorted to when desired as fall within the scope of what is claimed.

What I claim is:

1. In combination with a tubular frame element of a bedstead, of a lighting attach-

ment comprising an elongated lamp supporting body arrangement transversely in said element, and having one end exposed and supported by said element, a securing means carried by said element and supporting the other end of said body within the tubular element, said body at its exposed end being provided with a socket for the reception of a lamp bulb, and means for supplying the lamp socket with electrical energy.

2. The combination with a tubular frame of a bedstead, of a lighting attachment comprising an elongated lamp supporting socket arranged transversely in said element and having one end exposed and supported by said element, a flange formed on said end of the elongated lamp supporting body and arranged exteriorly of the tubular element and contacting with the same, a screw carried by the tubular element at a point diametrically opposite the opening and engaging the adjacent end of the body, the exposed end of the body being provided with a socket for a lamp bulb, and means for supplying the lamp socket with electrical energy.

In testimony whereof I affix my signature.
ALFRED J. M. CORNS.