Jan. 4, 1949. V. N. KINCAID 2,458,174

BED LAMP

Filed July 15, 1946

Fig. 2

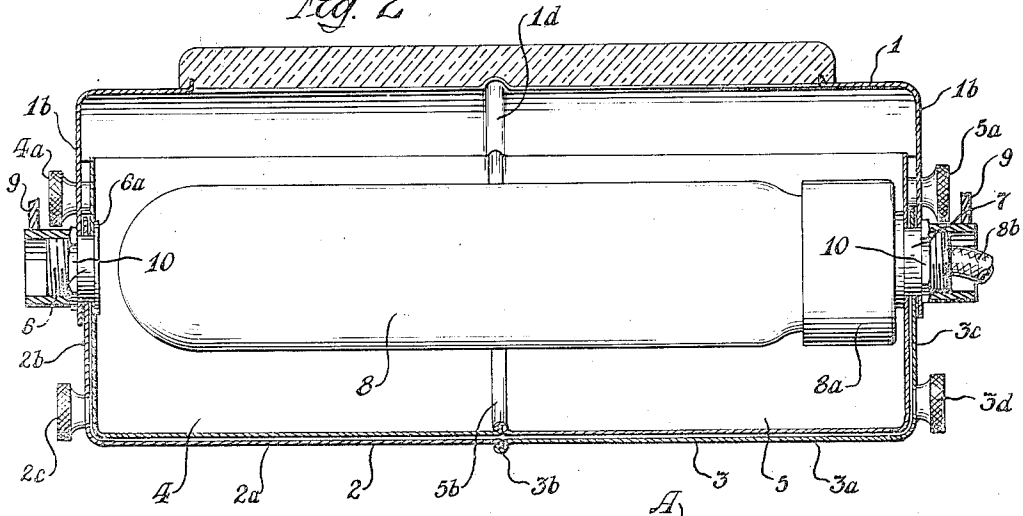
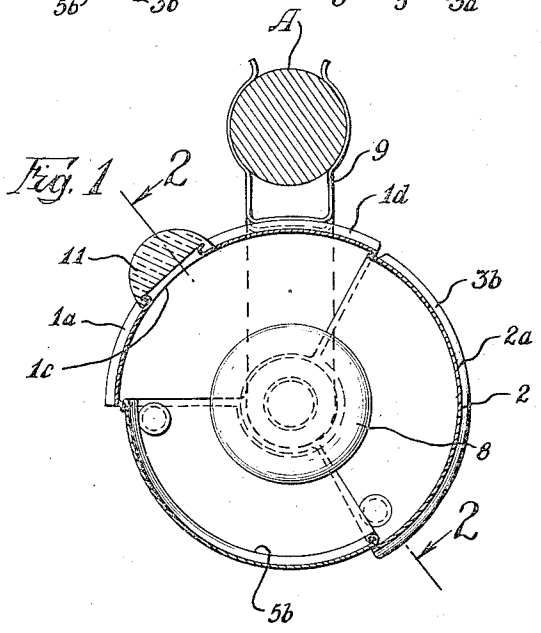


Fig. 1



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BED LAMP

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2 Claims. (Cl. 240—4)

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My invention relates to a bed lamp, more particularly for use in connection with bedsteads for controlling the direction of light emitted from a lamp whereby individuals in a double bed or adjacent twin beds may participate in reading while the other person sleeps with the light source shielded from his vicinity, and the objects of my invention are:

First, to provide a bed lamp of this class having individual segment shutters adapted to shield opposite sides of a bed from a light source so that individuals in the bed may enjoy a variety of lighting conditions for reading or sleeping simultaneously;

Second, to provide a bed lamp of this class having adjustable shutters and an indirect lighting window which indirectly lights the room and provides a dim, low light which is undisturbing to sleeping persons;

Third, to provide a bed lamp of this class in which segment shutters are adjustable on a common axis, at opposite sides of the middle portion of my bed lamp providing a very compact, neat adjustable lamp of this class; and

Fourth, to provide a bed lamp of this class which is very simple and economical of construction, efficient in operation and which will not readily deteriorate or get out of order.

With these and other objects in view as will appear hereinafter, my invention consists of certain novel features of construction, combination and arrangement of parts and portions as will be hereinafter described in detail and particularly set forth in the appended claims, reference being had to the accompanying drawings and to the characters of reference thereon, forming a part of this application in which:

Figure 1 is a transverse sectional view of my bed lamp and Fig. 2 is a longitudinal sectional view thereof taken from the line 2—2 of Fig. 1 showing parts and portions in elevation to facilitate the illustration.

Similar characters of reference refer to similar parts and portions throughout the several views of the drawing.

The main casing segment 1, segment shutters 2, 3, 4 and 5, bearings 6 and 7, lamp 8, bracket 9, nuts 10, and the night light window 11 constitute the principal parts and portions of my bed lamp.

The main casing segment 1 is provided with an arcuate outer surface 1*a*, having integral end portions 1*b* journaled on the bearings 6 and 7. It will be noted that the arcuate side wall portion 1*a* of the main casing segment 1 covers substantially 120° of the periphery of my bed lamp, as shown

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best in Fig. 1 of the drawings. Secured in the arcuate side wall portion 1*a* of the main casing segment 1 is the night light window 11 which is a translucent member arranged to transmit light passing through the slotted portion 1*c* of the main casing segment 1. The segment shutters 2 and 3 are also provided with arcuate side wall portions extending substantially 120° about the periphery of the bed lamp as shown in Fig. 1 of the drawings. These arcuate portions 2*a* and 3*a* of the segment shutters 2 and 3 are connected by an annular bead portion 3*b*, substantially at the middle portion of the lamp, whereby the segment shutter 2 is slidable relatively to the segment shutter 3 in the bead portion 3*b*. It will be noted that the segment shutters 2 and 3 are provided with end portions 2*b* and 3*c* respectively, journaled on the bearings 6 and 7 respectively. The main casing segment 1 is provided with an arcuate bead portion 1*d* adapted to receive the bead portion 3*b* of the segment shutter 3 when rotated about the axis of the bearings 6 and 7. Positioned inwardly of the segment shutters 2 and 3 are the segment shutters 4 and 5 which are similar in construction to the segment shutters 2 and 3 and are journaled on the bearings 6 and 7. The bearings 6 and 7 are hollow tubular bearings similar in construction. The bearing 6 is provided with a flange portion 6*a* engaging the inner side of the segment shutter 4 and a nut 10 engaging the outer side of the main casing segment 1. The nut 10 is screw-threaded on the bearing member 6 for holding the parts in assembly. The bracket 9 secured to the bearings 6 and 7 supports my bed lamp in connection with a bedstead A, as shown in Fig. 1 of the drawings. The segment shutters 2 and 3 are provided with knobs 2*c* and 3*d* respectively for manually shifting the same about the axis of the bearings 6 and 7. The segment shutters 4 and 5 are provided with knobs 4*a* and 5*a* respectively for use in shifting the segment shutters 4 and 5 about the axis of the bearings 6 and 7. It will be noted that the segment shutters 4 and 5 are connected by an annular bead 5*b* substantially at the middle of my bed lamp permitting individual movement of the segment shutters 4 and 5. The lamp 8 is a conventional lamp, supported in the socket 8*a* in connection with the bearing 7, through which the cord 8*b* passes, all as shown best in Fig. 2 of the drawings.

The operation of my bed lamp is substantially as follows:

When secured in connection with a bedstead or the like, designated A in Fig. 1 of the drawings,

the segment shutters 2, 3, 4 and 5 may be entirely closed, as shown in Fig. 1 of the drawings, permitting the light from the lamp 8 to pass through the translucent window 11. In this manner, my bedlamp emits a low dim night light which passes through the night light window 11 only. When it is desired to shut off the light at one side of the middle portion of my bed lamp, the segment shutters 2 and 4 may be moved relatively to the segment shutters 3 and 5 respectively, whereby one end of the lamp is open while the other is closed, permitting one end of the bed lamp to emit light while the other end remains shaded. The knobs 4*a* and 5*a* and the knobs 2*c* and 3*d* are for use in manual operation of the segment shutters 4 and 5 and 2 and 3 respectively. When it is desired to indirectly light the room in which my bed lamp is positioned, the main casing segment 1 is rotated toward the bottom side of my bed lamp while the segment shutters 2 and 3 remain in open position, whereby light is cast upwardly onto the ceiling of the room efficiently indirectly lighting the room without casting an intense light upon the bed beneath my bed lamp. When rotating my bed lamp axially of the bearings 6 and 7, the bracket 9 supports the bearings 6 and 7 at opposite ends of my bed lamp permitting the entire lamp to be freely rotated on the bearings 6 and 7.

Though I have shown and described a particular construction, combination and arrangement of parts and portions, I do not wish to be limited to the particular construction, combination and arrangement, but desire to include in the scope of my invention, the construction, combination and arrangement substantially as set forth in the appended claims.

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

1. In a bed lamp of the class described, the combination of a main casing member having an arcuate side wall and integral end portions, bearing concentrically of said arcuate side wall engaging said end portions, segment shutters journaled in connection with said bearings and arcuately telescopic relatively to said main casing member, said segment shutters being freely pivotal relatively to each other and separated substantially at the middle portion of said lamp intermediate said bearings, second segment shutters pivotally connected with said bearings and having arcuate side wall portions concentric with the side wall portions of said main casing member, said second segment shutters being separated intermediate said bearings and independently movable relatively to each other, and handles secured to said segment shutters at opposite ends of said bed lamp.

2. In a bed lamp of the class described, the combination of a main casing member having an arcuate side wall and integral end portions, bearings concentrically of said arcuate side wall engaging said end portions, segment shutters journaled in connection with said bearings and arcuately telescopic relatively to said main casing member, said segment shutters being freely pivotal relatively to each other and separated substantially at the middle portion of said lamp intermediate said bearings, second segment shutters pivotally connected with said bearings and having arcuate side wall portions concentric with the side wall portions of said main casing member, said second segment shutters being separated intermediate said bearings and independently movable relatively to each other, and handles secured to said segment shutters at opposite ends of said bed lamp, said segment shutters connected together intermediate opposite ends of said bed lamp and having arcuate bead portions forming a connection therebetween.

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