

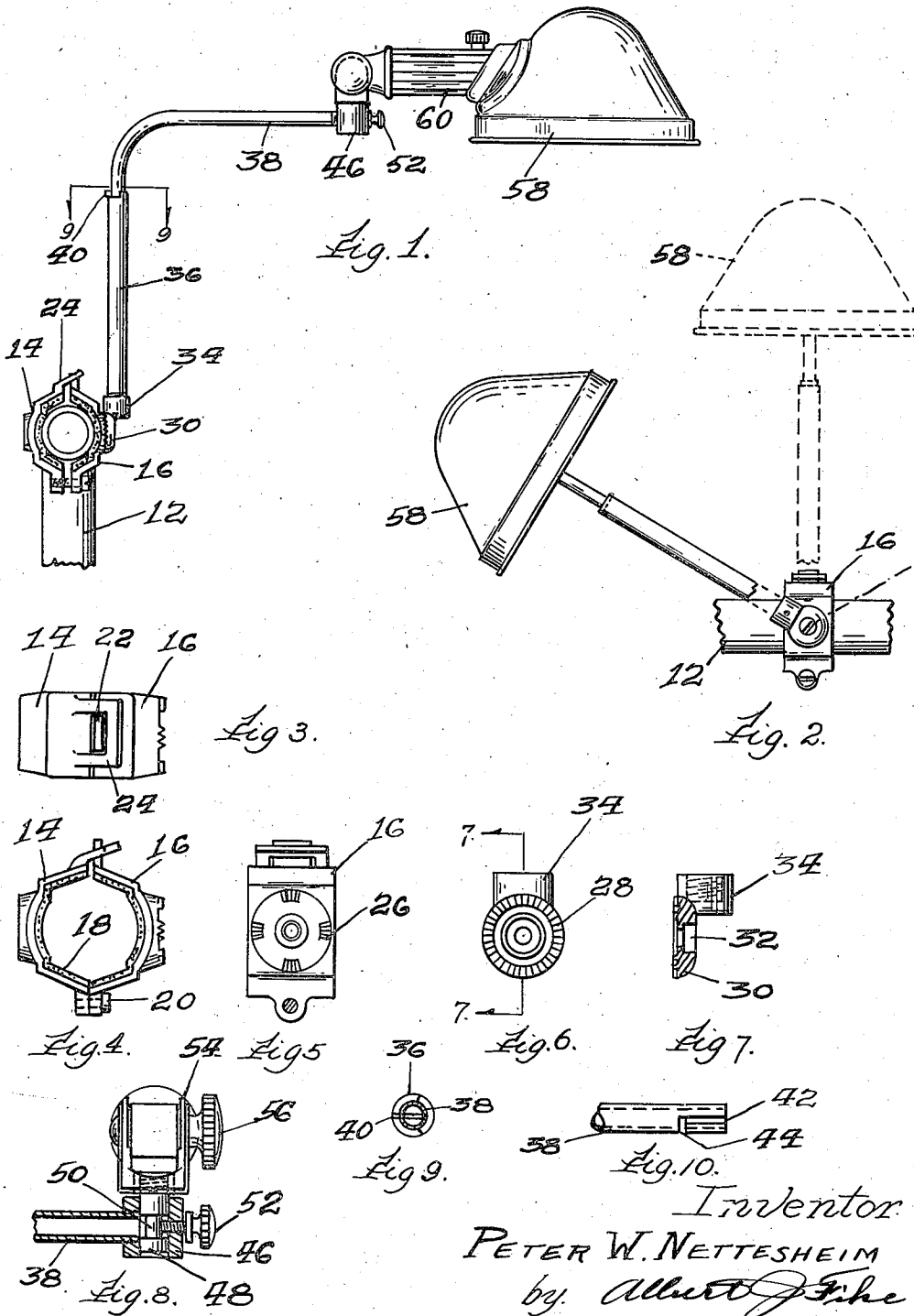
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BED LAMP

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2,406,029

BED LAMP

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This invention relates to an improved bed lamp, and has for one of its principal objects the provision of a lamp which can be conveniently mounted on a bed and which, when so mounted, can be adjustable to almost any position for convenient reading or other purposes.

One of the important objects of this invention is to provide a bed lamp which is particularly adapted for use in hospitals, wherein the patient may use the same for reading or other purposes, either when reclining, sitting up or lying down, and which lamp may at the same time be shifted to practically any position within a radius of several feet of the bed for other purposes, such as to aid the physician or nurse in making an inspection of the patient's anatomy.

Another and still further important object of the invention resides in the provision of a lamp which can be conveniently secured to a bed, and which can be shifted into almost any workable position while so mounted by very easy handling thereof either by the patient or some attendant, and when shifted, can be as readily replaced into some other position with a minimum expenditure of time and effort.

Other and further important objects of the invention will be apparent from the disclosures in the accompanying drawing and following specification.

The invention, in a preferred form, is shown in the drawing and hereinafter more fully described.

In the drawing:

Figure 1 is a side elevation of the improved bed lamp of this invention, showing the same as mounted in position on a bed.

Figure 2 is a top plan view of the same, illustrating several positions thereof with respect to the bed and the mounting.

Figure 3 is a detailed view of the means whereby the device is mounted on the bed itself.

Figure 4 is a side elevation of the structure of Figure 3.

Figure 5 is a front elevation of the structures of Figures 3 and 4, illustrating the means whereby the support may be shifted laterally and pivotally with regard to the mounting.

Figure 6 is a front view of the corresponding section of the swivel element which fits onto the face of the mounting shown in Figure 5.

Figure 7 is a sectional view of the swivel illustrated in Figure 6.

Figure 8 is a detailed view of a preferred form of swivel and universal mounting for the lamp itself. This also includes a lock whereby the

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lamp and shade are held in position against inadvertent displacement.

Figure 9 is a sectional view taken on the line 9—9 of Figure 1, looking in the direction indicated by the arrows.

Figure 10 is a detailed view, parts being shown in dotted lines, of the friction positioning of the supporting rod for the lamp.

As shown in the drawing:

The reference numeral 12 indicates generally part of a bedstead upon which the bed lamp of this invention is adapted to be mounted. This is ordinarily the back of the bed, which is usually positioned adjacent to a wall and in which end of the bed the patient's head is ordinarily placed.

Upon the bed rail or end 12 is adapted to be mounted the positioning clamp which forms part of this lamp, and which is in two parts, as shown at 14 and 16 in Figures 3 and 4, the parts being somewhat hexagonal in cross-section when assembled, and ordinarily coated with an inner lining of felt or some other soft material so that marring of the bedstead will not result when the lamp is positioned thereon.

A bolt 20 at the bottom assists in fastening the two parts 14 and 16 together, and a clamp element, comprising an upstanding lug 22 which is adapted to be fitted into a loop element 24 integral with the portion 14, completes this part of the structure.

The element 16 has on its front face a series of indentations 28 which are integral with a cooperating swivel portion 30, which is rotatably mounted in the element 16 by means of a bolt fitted into an opening 32 in the swivel portion 30.

Integral with the swivel portion 30 is a cup-shaped element 34 which is interiorly screw threaded for the accommodation of a tube or rod 36, which forms one of the parts of the supporting bracket for the lamp. This tube 36 is recessed for the reception of a curved bracket element 38, which is rotatably mounted in the tube 36 and which is fitted with a pin 40, which pin acts in a semi-circular cut in the top edge of the tube 36, so that the rotation of the element 38 will be limited to 180 degrees or thereabouts.

At the lower end of the tube 38 there is provided a longitudinal cut 42 and a cross cut 44, as best shown in Figure 10, whereby slight expansion of this end of the tube 38 results and an according frictional fit is provided with respect to the inside face of the supporting tube 36.

A support for the lamp itself is provided at the outer end of the curved tube 38, this comprising a cylindrical block 46, which has an opening

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therethrough for the rotatable reception of a shaft 48. This shaft is cut away at 50 so that a set screw 52, which is fitted into the block 46, may pass into the slot formed by the cut 50 to prevent the lamp support from being accidentally dislodged from the block 46.

The lamp itself is held in position in a U-shaped bracket 54, which is mounted on a shaft 48—50, and this U-shaped bracket has a lined opening in its upper end for the reception of a screw-threaded shaft surmounted by a knob 56. When this knob is rotated, the screw-threaded shaft can be removed from the U-shaped support 54, whereupon the lamp 58 with its integral handle 60 can then be moved to various positions, depending upon the length of the lamp cord which is furnished with the apparatus.

I am aware that many changes may be made and numerous details of construction varied throughout a wide range without departing from the principles of this invention, and I, therefore, do not propose limiting the patent granted hereon otherwise than as necessitated by the prior art.

I claim as my invention:

1. A bed lamp comprising a lamp, a handle therefor, a current carrying wire for the lamp and connected into the handle, means for adjustably and shiftably supporting the lamp on a bed, said means including a two-piece bracket adapted to clamp around a corresponding portion of a bed frame and cushioning means in the bracket, a supporting element adjustably and rotatably positioned on the bracket, the supporting element including a tubular upright, an L-

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shaped extension support rotatably and frictionally mounted in the tubular upright, means in the support for limiting the rotation thereof with respect to the upright, and a supporting element for the lamp positioned at the end of the L-shaped bracket, the supporting element including a rotatable and shiftable pivot means, the pivot means having an annular slot therein for locking relationship with its corresponding supporting element.

2. A bed lamp comprising a lamp, a handle therefor, a current carrying wire for the lamp and connected into the handle, means for adjustably and shiftably supporting the lamp on a bed, said means including a two-piece bracket adapted to clamp around a corresponding portion of a bed frame and cushioning means in the bracket, a supporting element adjustably and rotatably positioned on the bracket, the supporting element including a tubular upright, an L-shaped extension support rotatably and frictionally mounted in the tubular upright, means in the support for limiting the rotation thereof with respect to the upright, and a supporting element for the lamp positioned at the end of the L-shaped bracket, the supporting element including a rotatable and shiftable pivot means, the pivot means having an annular slot therein for locking relationship with its corresponding supporting element, and a set screw in the supporting element with its end adapted to project into the annular slot.

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