March 29, 1927. 1,622,906

W. E. FREESE

SWITCH

Filed July 31, 1925

Fig. 1.

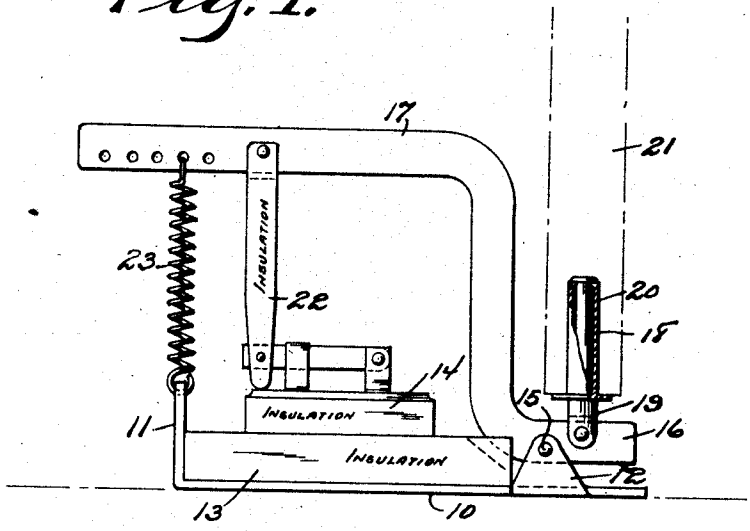


Fig. 2.

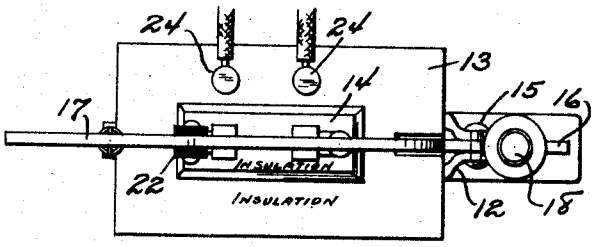
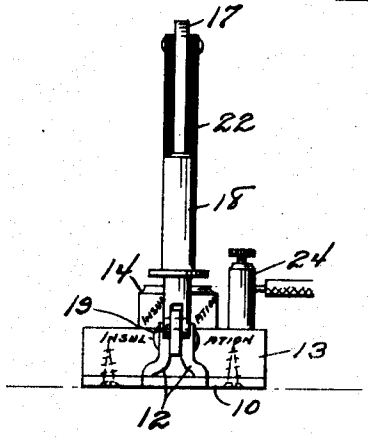


Fig. 3.



Walter E. Freese
INVENTOR

BY Victor J. Evans
ATTORNEY

WITNESS: John Donovan

Patented Mar. 29, 1927. 1,622,906

UNITED STATES PATENT OFFICE.

WALTER E. FREESE, OF TULARE, CALIFORNIA.

SWITCH.

Application filed July 31, 1925. Serial No. 47,339.

This invention relates to improvements in switches, the general object being to adapt the same for connection with a head post of a bed, the occupant of the bed by his own weight will cause the switch to be opened and the light within the room extinguished or vice versa.

With the above and other objects in view, the invention further includes the following novel features and details of construction, to be hereinafter more fully described, illustrated in the accompanying drawing and pointed out in the appended claim.

In the drawing:—

Figure 1 is a side elevation of my invention as applied and in use.

Figure 2 is a top plan view of my invention per se.

Figure 3 is an end elevation of my invention.

Referring to the drawing in detail, wherein like characters of reference denote corresponding parts, the reference character 10 indicates a base plate having its forward end terminating in an upwardly extending offset end portion 11 while a pair of spaced parallel apertured ears 12 are arranged adjacent the opposite end of the base plate 10, the purpose of which will be presently apparent. Positioned upon the upper side of the base plate 10 and between the offset end portion 11 and the apertured ears 12 carried thereby and rigidly secured thereto is a base or block 13 preferably constructed of some dielectric material and having positioned upon its upper side a knife switch 14. Pivotally mounted as at 15 between the apertured ears 12 is the lower offset end portion 16 of an angular lever 17 having shafts 18 including a lower bifurcated end portion 19 received upon the upper side and pivotally secured thereto and adapted for insertion within the usual and conventional form of sleeve 20 included within a bed post 21.

A connecting arm 22 includes upper and lower bifurcated end portions for pivotal association with the angular lever 17 and outer free end portion of the knife switch 14 while a retractile spring 23 has its opposite ends connected to the upwardly extending end portion 11 of the base plate 10 and the upper and forward end of the angular lever 17 whereby the said connecting arm 22 will normally hold the knife switch 14 in a closed position. Binding posts 24 are arranged upon the upper side of the base or block 13 and connected to the knife switch 14, the source of current and the particular light to be illuminated, not shown.

In the mode of operation of the present invention it is clearly apparent and manifest that when the shaft 18 has been inserted within the sleeve 20 carried within a bed post 21 and preferably the head thereof, the said switch per se is connected in circuit with the source of current and the light to be illuminated that the user of this particular switch has applied to his bed will of his own weight swing the lower offset end portion 16 of the angular lever 17 upon its pivot 15 whereby the said connecting rod will be caused to be moved upwardly and release the knife switch 14 against the tension of the retractile spring 23 whereby the circuit will be opened and the light extinguished. A bell may be connected in circuit with the switch mounted upon the bed post whereby the occupant of the particular bed, susceptible to sleep walking will immediately be awakened upon leaving the bed by the ringing of the bell. The invention may be used equally and effectually as well to addicts of sleep walking in camps, in so far as the switch may be mounted upon a camp cot by and connected in circuit with the automobile horn button. It is to be noted that this invention will be exceedingly useful in fire departments, sick rooms, hospitals and the like in so far as the light may be readily and easily thrown on upon the occupant leaving his respective bed.

The invention is susceptible of various changes in its form, proportions and minor details of construction, and the right is herein reserved to make such changes as properly fall within the scope of the appended claim.

Having described my invention what is claimed is:—

A device of the character described including a base plate having one end extending upwardly and perforated, spaced apertured ears extending upwardly from opposite sides of the base at the other end thereof, an insulated block mounted upon the base plate and having one end arranged against the upwardly extending end of the base, a knife switch mounted upon the insulated block, a substantially Z-shaped lever having one arm pivotally mounted between the spaced per-

forated ears and the other arm extending above the knife switch, a coil spring having one end connected to the upwardly extending end of the base plate and the other end adjustably connected to the second arm of the lever, means forming operative connection between the knife switch and the second arm of the lever, and a weighted member having pivotal connection with the first arm of the lever at a point adjacent the pivot point of the lever as and for the purpose specified.

In testimony whereof I affix my signature.

WALTER E. FREESE.