Jan. 23, 1940. L. J. WILLIAMS 2,187,846

ELECTRIC LIGHT FIXTURE

Filed Aug. 3, 1937

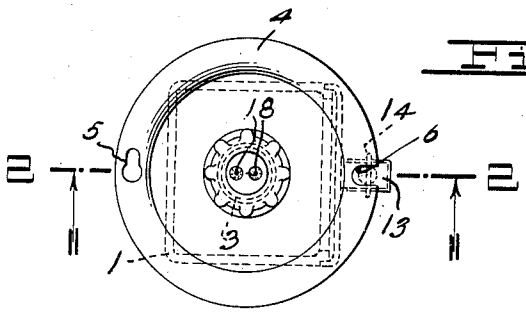


Fig. 1.

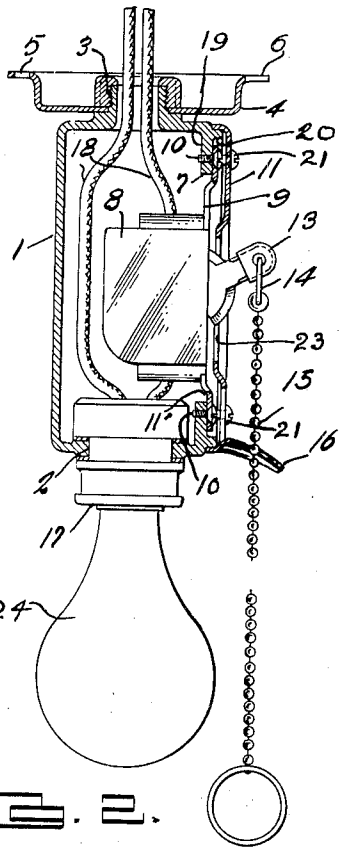


Fig. 2.

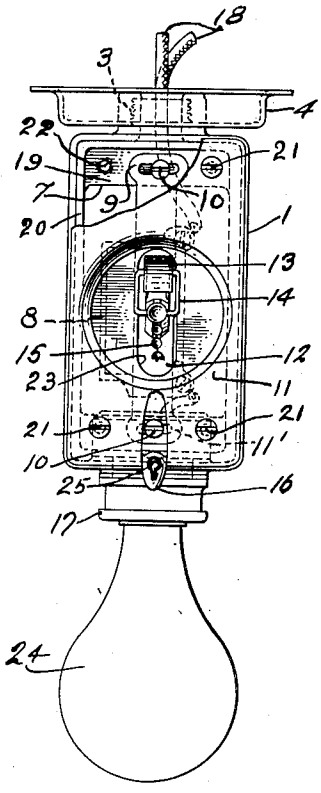


Fig. 3.

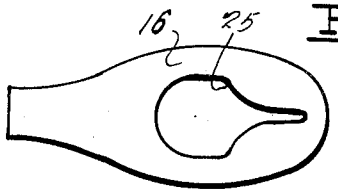


Fig. 4.

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ELECTRIC LIGHT FIXTURE

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Application August 3, 1937, Serial No. 157,192

1 Claim. (Cl. 173—354)

The present invention relates to new and useful improvements in electric light fixtures and has for one of its important objects to provide, in a manner as hereinafter set forth, a device of this character comprising a novel mounting for a time controlled switch.

Another very important object of the invention is to provide a fixture of the aforementioned character embodying novel means for rendering the timing mechanism of the switch inoperative when desired.

Other objects of the invention are to provide an electric light fixture of the character described which will be comparatively simple in construction, strong, durable, compact and which may be manufactured at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawing wherein like characters of reference designate corresponding parts throughout the several views, and wherein:

Figure 1 is a top plan view of an embodiment of the invention.

Figure 2 is a view in vertical section through the device.

Figure 3 is a front elevational view, a portion of the removable closure plate being broken away.

Figure 4 is a detail view in plan of the keeper through the medium of which the clock mechanism of the switch is rendered inoperative.

Referring now to the drawing in detail, it will be seen that the embodiment of the invention which has been illustrated comprises a box 1 of any suitable material, said box having an opening 2 in its lower end which accommodates an electric light socket 17. Rising from the upper end of the box 1 is a neck 3 on which a substantially cup-shaped, flanged collar or the like 4 is secured for mounting the fixture on a ceiling (not shown). The flange of the collar 4 has formed therein openings 5 and 6 for the reception of suitable elements for attaching said collar to an outlet box or other device.

The front 19 of the box 1 has formed therein an opening 7. Projecting forwardly from the box front 19 is an integral flange 20. Removably mounted on the flange 20 is a closure plate 11 for the front of the box 1. The plate 11 is detachably secured in position through the medium of screws 21 which are engageable in threaded openings 22 which are provided therefor in the upper and lower portions of the front 19 of the box 1. The plate 11 has formed therein an opening 23 the purpose of which will be presently set forth.

The reference numeral 8 designates a conventional time controlled switch which is mounted for operation in the box 1. The switch 8 is firmly secured in any suitable manner on a vertical bar 12 the slotted end portions 9 and 11'' of which are secured by screws 10 to the upper and lower portions of the front 19 of the box 1. It will thus be seen that the switch 8 is mounted substantially in the opening 7 in the front of the box 1. The control lever 13 of the switch 8 is operable in the elongated opening or slot 23 in the closure plate 11. As shown to advantage in Fig. 2 of the drawing, the switch 8 is interposed in the electric circuit 18 of the lamp 24 in the socket 17.

The reference numeral 16 designates a keeper which projects from the lower portion of the plate 11. The keeper 16 has formed therein a substantially keyhole shaped slot 25. A pull chain 15 is connected to the switch lever 13 through the medium of a ring 14, said pull chain being operable in the keyhole slot 25 of the keeper 16.

It is thought that the operation of the device will be readily apparent from a consideration of the foregoing. When it is desired to energize the electric lamp 24 for a predetermined length of time the chain 15 is simply pulled downwardly in the keyhole slot 25 of the keeper 16 for closing the switch 8 and said chain is then released for permitting said switch to function to again open the circuit at the expiration of the predetermined time. However, should it be desired to secure the switch 8 in closed position the chain 15 is pulled downwardly and then engaged in the restricted end portion of the keyhole slot 25 of the keeper 16 thereby preventing the switch lever 13 from returning to raised or open position. The construction and arrangement is such that the switch 8, after being secured on the bar 12, may be expeditiously mounted in position for operation in the box 1 after which the plate 11 is applied.

It is believed that the many advantages of an electric light fixture constructed in accordance with the present invention will be readily understood and although a preferred embodiment of the device is as illustrated and described, it is to be understood that changes in the details of construction may be resorted to which will fall within the scope of the invention as claimed.

Having described the invention what is claimed as new is:

A light fixture comprising a box having an opening in one of the walls thereof, means for securing said box to a support, a closure plate for the opening removably mounted on the box and having an opening therein, a keeper projecting from said closure plate and having a substantially keyhole shaped slot therein, a switch mounted in the box and including an operating lever operable in the opening in the closure plate, and a pull chain operable in the substantially keyhole-shaped slot and connected to the switch lever for closing the switch and engageable in the restricted end portion of said substantially keyhole shaped slot in the keeper for securing the switch in closed position.

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