May 31, 1932. J. H. WAGENHORST 1,860,913

CABINET FOR ARC LAMPS

Filed Nov. 15, 1929 2 Sheets-Sheet 1

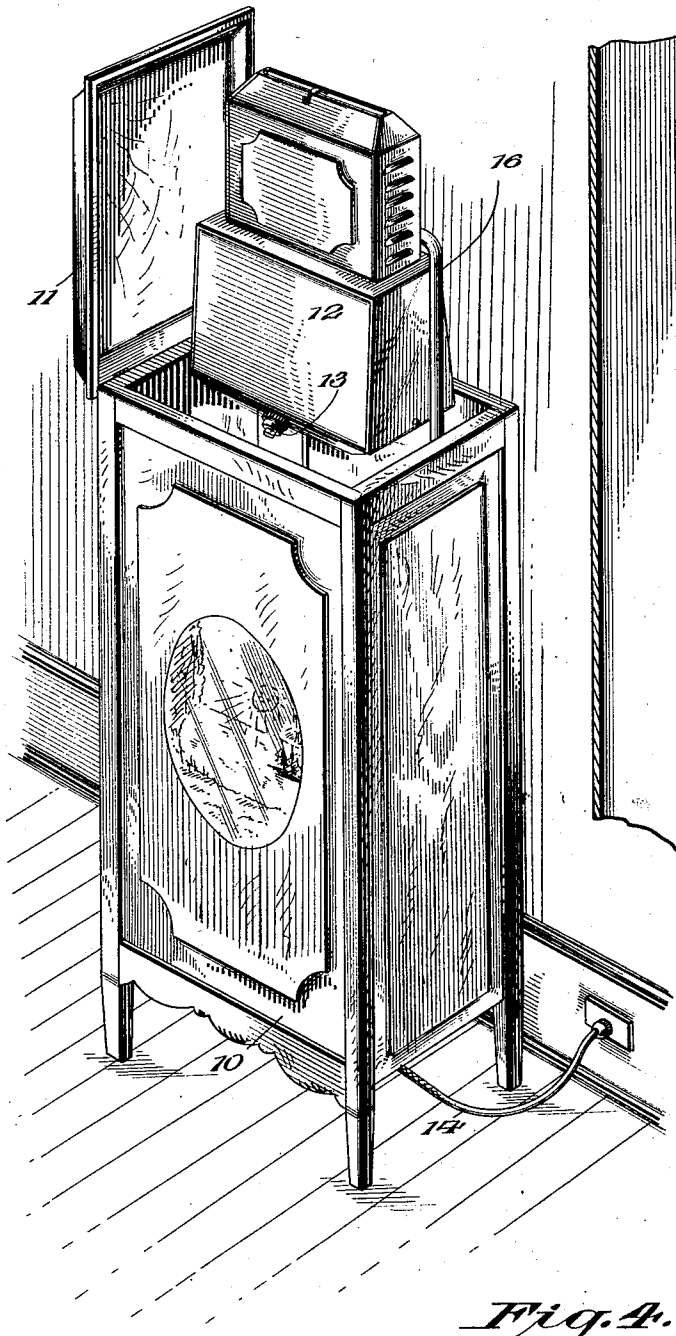


Fig. 1.

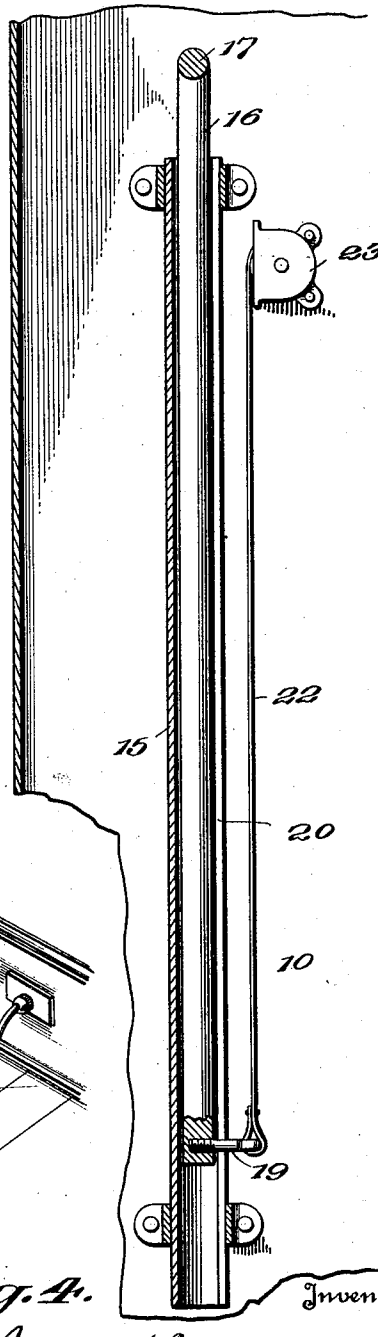


Fig. 4.

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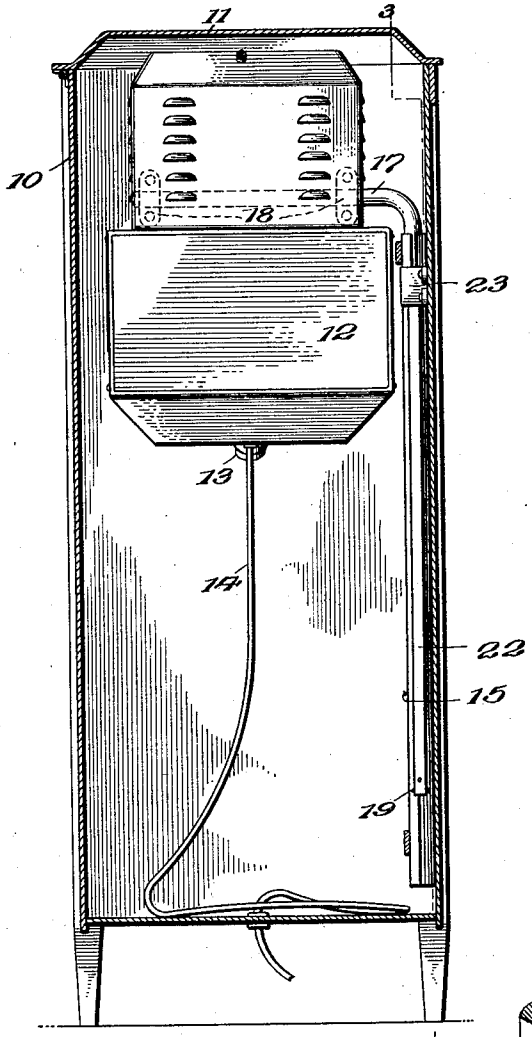


Fig. 2.

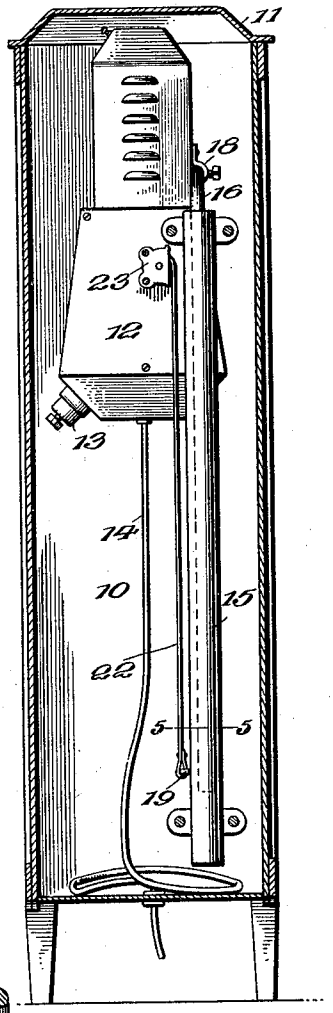


Fig. 3.

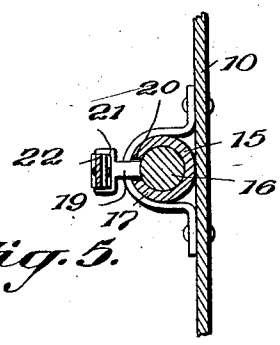


Fig. 5.

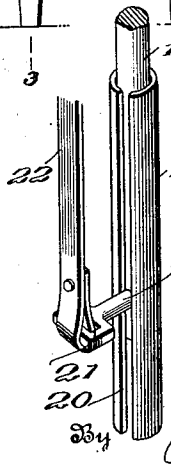


Fig. 6.

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UNITED STATES PATENT OFFICE

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CABINET FOR ARC LAMPS

Application filed November 15, 1929. Serial No. 407,506.

This invention relates to improvements in arc lamp housings, and particularly to a housing or casing for arc lamps of the type designed for therapeutic uses.

At the present time, arc lamps designed for therapeutic use have, in most instances, been installed in hospitals or sanitariums and the like, although there are instances where they are utilized in private residences. In these latter instances, however, special arrangements must almost always be made for the installation of the lamp, and the primary object of the present invention is to provide a housing for an arc lamp of this character which can be placed in residences without any inconvenience whatever. More specifically, the invention contemplates a portable cabinet designed so as to have the appearance of an ordinary piece of furniture which, on account of its attractiveness, permits the lamp to be installed in residences without impairing the appearance of the regular furnishings. In this way, the lamp may be used in practically any room in the household, not requiring special arrangements or facilities for its installation.

A further object of the invention consists in a novel mounting of the lamp in its cabinet, so that it may be readily removed from and replaced in the cabinet.

With these and other objects in view, the invention consists in certain details of construction and combinations and arrangements of parts, all as will hereinafter be more fully described and the novel features thereof particularly pointed out in the appended claims.

In the accompanying drawings:

Figure 1 is a perspective view illustrating a housing in the form of a portable cabinet, the lamp being partially projected out of the cabinet;

Fig. 2 is a vertical sectional view through the cabinet;

Fig. 3 is a sectional view on the line 3—3 of Fig 2;

Fig. 4 is a detail view, partly in section, of the lamp mounting;

Fig. 5 is a sectional view on the line 5—5 of Fig. 3; and

Fig. 6 is a detail perspective view of a portion of the lamp mounting.

In its broader aspect, the present invention contemplates an arc lamp housing in the form of a cabinet which, by preference, is portable so that it may be moved from one room to another of a household, if desired. As illustrated in Figure 1, the cabinet may be of any attractive design, so that it will not impair the appearance of the room in which it is installed or being used. As illustrated in the drawings, the lamp is vertically slidable within this cabinet, so that it may be projected above the cabinet, as illustrated in Figure 1, when it is to be used, or, when not in use, the lamp may be lowered within the cabinet and the cover thereof closed, as illustrated in Figs. 2 and 3, at which time it will have the appearance of an ordinary piece of furniture.

Referring to the accompanying drawings, the cabinet 10, as has been mentioned, is of a portable nature, and may be designed with any pleasing appearance. It is provided with a hinged cover 11, so that when the cover is raised, the lamp 12 may be projected above the top of the cabinet. As the construction of the lamp proper constitutes no part of the present invention, a detailed description thereof is unnecessary. A switch, for turning the lamp on and off, is shown at 13, and a conductor or wire 14, for supplying current to the lamp, extends through an opening in the bottom of the cabinet so that it may be connected to some suitable source of electric current supply, there being a sufficient length of the conductor or wire within the cabinet to compensate for the distance the lamp is adapted to be raised above the top of the cabinet.

While various arrangements might be resorted to for mounting the lamp in the cabinet, the preferred form consists of telescoping members, one mounted on the side of the cabinet and the other supporting the lamp, so that as the latter is moved longitudinally of the fixed member, the lamp is raised and lowered with respect to the cabinet. Means are also provided for retaining the lamp in any of its adjusted positions. More specifi-

cally, this mounting consists of a tubular member 15 mounted on one side of a cabinet and extending vertically thereof. Slidable within this tubular member 15 is a post 16 whose upper end is offset as at 17, this offset portion having the lamp rigidly attached thereto as by the clamps 18. Extending vertically throughout the length of the tubular member 15 there is a slot 20, and at a suitable point within the tubular member, post 16 is provided with a lug 19 that projects through said slot 20. This lug may be in the form of a screw whose shank extends through the slot with an eye 21 formed at the exterior end of the shank portion. Secured in the eye 21 of this lug is one end of a flexible member or strap 22, and the opposite end of this strap or flexible member is secured within the casing 23 of a spring lift device of ordinary interior construction. The strength of this spring lift device 23 is such as to counter-balance, so to speak, the weight of the lamp 12, so that the lamp will remain in any position in which it might be adjusted, when raised to project it above the top of the cabinet. On the other hand, the strength of this spring lift device is such that the lamp may be easily depressed when it is to be replaced in the cabinet.

What is claimed is:

1. A device for housing and supporting a therapeutic arc lamp in proper operative position for broadside irradiation of the human body comprising an open-top cabinet similar in size and configuration to the conventional phonograph cabinet, a lid hinged to one side of said cabinet and swingable to open or close the top thereof, a casing of somewhat smaller size than said cabinet for housing the electrodes and operating mechanism of the arc lamp, which casing has a light projecting opening in a side thereof, a tubular guide member mounted in said cabinet and extending vertically therein, a post slidably disposed in said tubular guide member and carrying said lamp casing at its upper end, and a supporting device associated with said post and operative to maintain said casing so extended out of and above the top of said cabinet as to preclude the walls of said cabinet from interfering with the projection of light from the light opening in said casing side, said supporting device being yieldable in character whereby said post may be lowered to such an extent in said guide member as to permit disposition of said arc lamp casing wholly within said cabinet and allow the closure of said lid upon the top thereof.

2. A device for housing and supporting a therapeutic arc lamp in proper operative position for broadside irradiation of the human body comprising an open-top cabinet similar in size and configuration to the conventional phonograph cabinet, a lid hinged to one side of said cabinet and swingable to open or close the top thereof, a casing of somewhat smaller size than said cabinet for housing the electrodes and operating mechanism of the arc lamp, which casing has a light projecting opening in a side thereof disposed at right angles to the lid-hinged side of said cabinet, a tubular guide member in said cabinet vertically mounted upon the side opposite the lid-hinged side thereof, a splined post slidably and non-rotatably disposed in said tubular guide member and having an arm to which said lamp casing is secured in alinement with the vertical axis of said cabinet, and a supporting device associated with said post and operative to maintain said casing so extended out of and above the top of said casing as to preclude the walls of said cabinet from interfering with the projection of light from the light opening in said casing side, said supporting device being yieldable in character whereby said post may be lowered to such an extent in said guide member as to permit disposition of said arc lamp casing wholly within said cabinet and allow the closure of said lid upon the top thereof.

JAMES H. WAGENHORST.