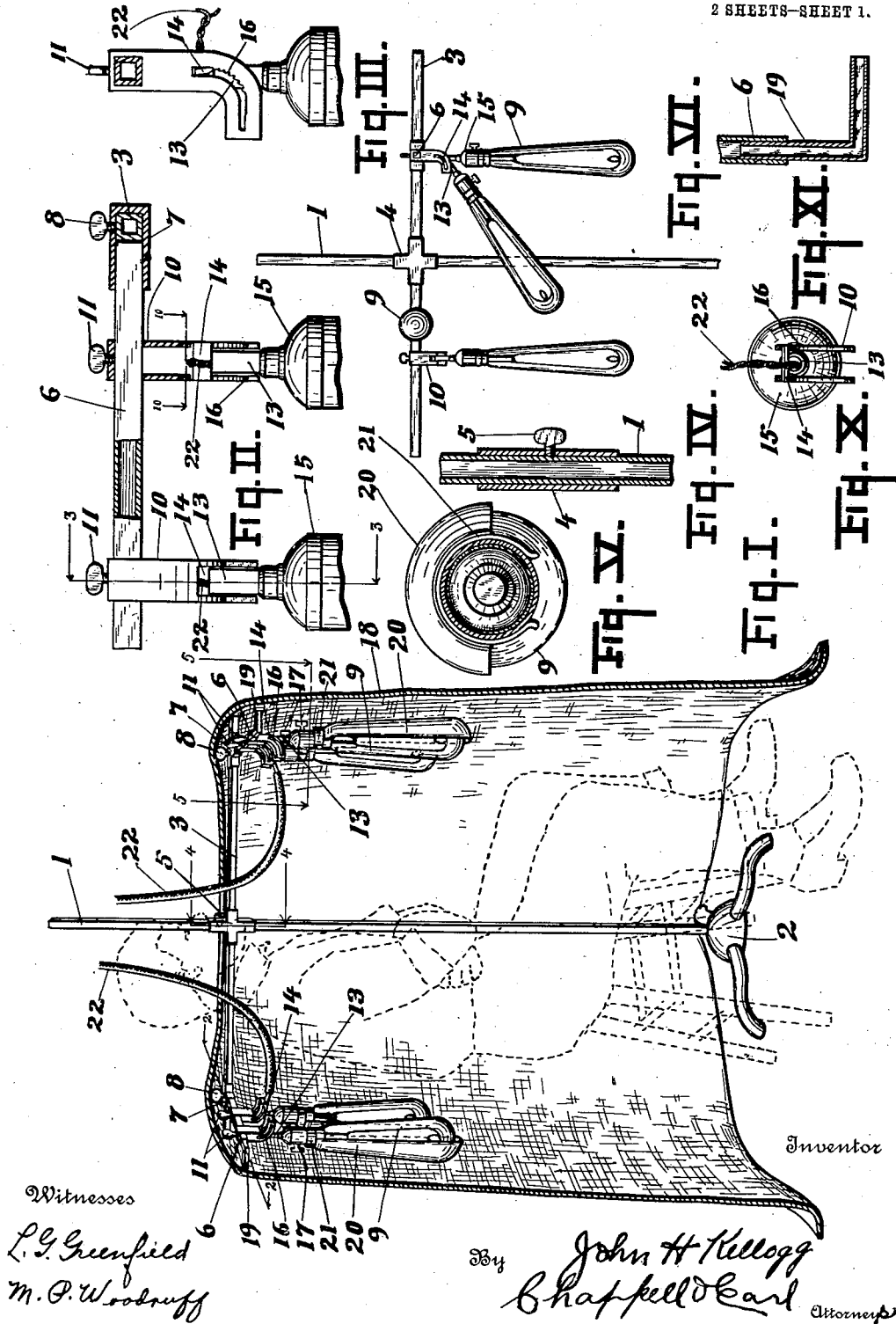


J. H. KELLOGG.
SUPPORT FOR ELECTRIC LIGHTS.
APPLICATION FILED JULY 8, 1912.

1,065,371.

Patented June 24, 1913.

2 SHEETS—SHEET 1.



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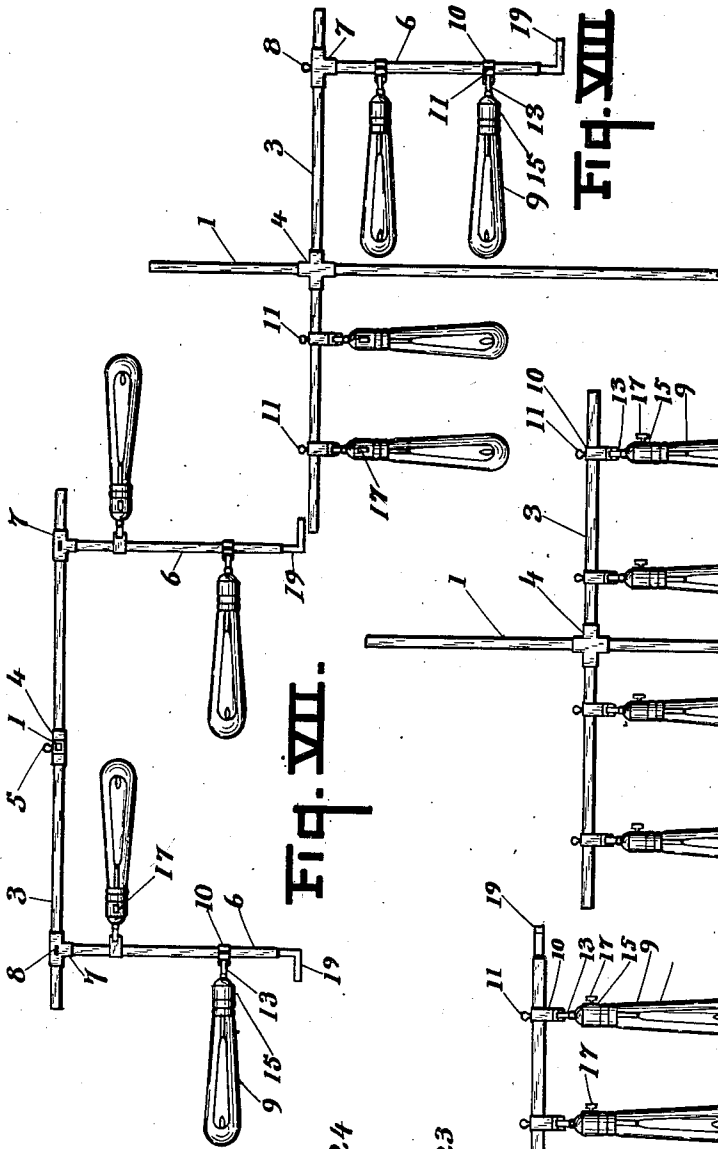


Fig. VII.

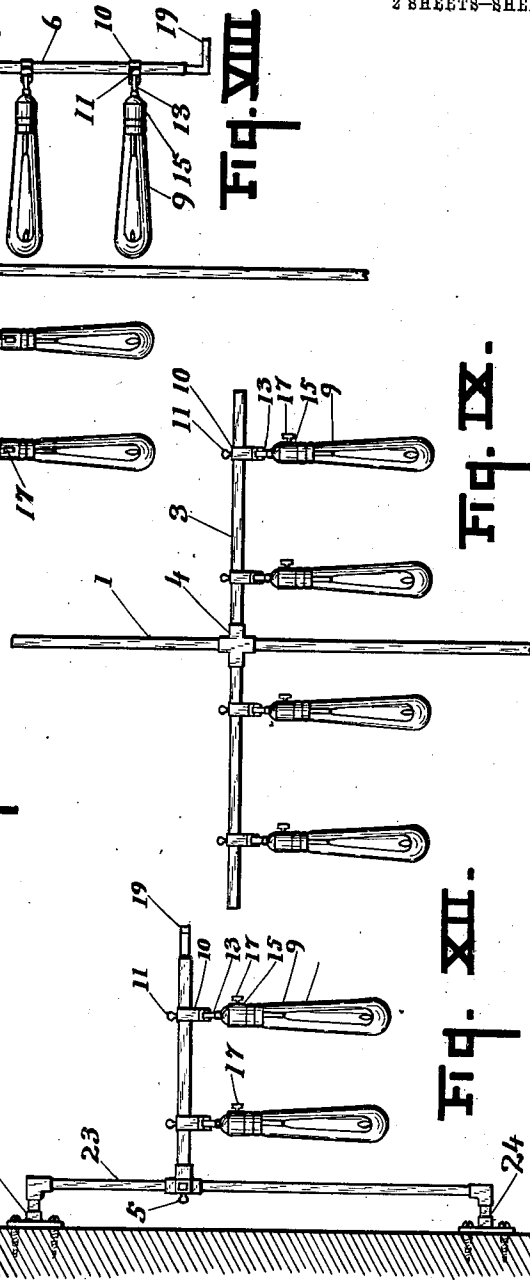


Fig. IX.

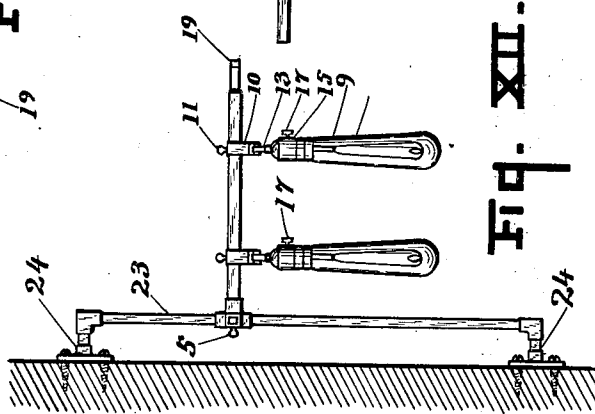


Fig. XII.

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UNITED STATES PATENT OFFICE.

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SUPPORT FOR ELECTRIC LIGHTS.

1,065,371.

Specification of Letters Patent.

Patented June 24, 1913.

Application filed July 8, 1912. Serial No. 708,183.

To all whom it may concern:

Be it known that I, JOHN H. KELLOGG, a citizen of the United States, residing at the city of Battle Creek, county of Calhoun, and State of Michigan, have invented certain new and useful Improvements in Supports for Electric Lights, of which the following is a specification.

This invention relates to improvements in supports for electric lights for therapeutic purposes.

The main objects of this invention are,—first, to provide improved supports for electric lights for therapeutic purposes which may be easily adjusted for the treatment of patient in a sitting or in a reclining position, or to treat different portions of the body. Second, to provide improved supports for electric lights for therapeutic purposes having these advantages, which is portable. Third, to provide a structure having these advantages which may be easily and quickly adjusted and is simple and economical in structure. Fourth, to provide improved supports for electric lights for therapeutic purposes which is adapted for use as an electric heater.

Further objects, and objects relating to structural details, will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification.

The invention is clearly defined and pointed out in the claims.

A structure which is a preferred embodiment of my invention is clearly illustrated in the accompanying drawing, forming a part of this specification, in which:

Figure I is a perspective view of a structure embodying the features of my invention, the covering 18 being shown in section, the electrical connections 16 being illustrated for only two of the lamps, a person being shown by dotted lines in sitting position. Fig. II is a detail view partially in section on a line corresponding to line 2—2 of Fig. I, showing details of the frame and of the lamp brackets and their arrangement on the frame. Fig. III is a detail side elevation of one of the lamp brackets, its supporting arm 6 being shown in section. Fig. IV is a detail vertical section, on a line corresponding to line 4—4 of Fig. I, showing the connection

for the cross bar 3 to the upright 1. Fig. V is a section through one of the lamp sockets taken on a line corresponding to line 5—5 of Fig. I, showing the mounting of the lamp reflectors 20. Fig. VI is a detail elevation showing one adjustment of the lamps. Fig. VII is a detail plan showing another adjustment of the lamps, the lamps being adjusted for the treatment of the patient in the reclining position. Fig. VIII is a detail elevation showing the lamps adjusted to another position. Fig. IX is a detail elevation showing the lamps adjusted to still another position. Fig. X is a detail view showing the wiring of the lamps. Fig. XI is a detail view showing the arrangement of the end bracket 19. Fig. XII is a vertical end of a modified construction in which the standard or upright is mounted upon a wall instead of upon a base, as is shown in Fig. I. In the drawing, similar reference characters refer to similar parts throughout the several views, and the sectional views are taken looking in the direction of the little arrows at the ends of the section lines.

In the structure shown in Fig. I, which is an embodiment of my invention in portable form, I provide an upright or standard 1 mounted on a base 2. A cross bar 3 is mounted on the upright or standard 1 for vertical adjustment thereon, the T-coupling 4 being in sliding engagement with the upright and being secured in its adjusted positions thereon by means of the thumb screw 5. On the cross bar 3, I mount arms 6, the arms being adjustably secured on the cross bar by means of couplings 7. The cross bar 3 and arms 6 are preferably square in cross section and the couplings made to correspond so that the arms are supported either in their vertical or horizontal positions according to the manner of engagement of the coupling therewith. Set screws 8 retain the arms in their adjusted positions on the cross pieces. The arms can be readily removed from the cross bar. The lamps 9 are carried by brackets 10 which are adjustably mounted on the arms 6 or on the cross bar 3 as may be desired to adjust the apparatus to meet the requirements of the case to be treated. The brackets 10 are provided with set screws 11 for securing them in their adjusted position. The brackets 10 are angled and forked at their lower ends and provided

with slots 13 in their arms adapted to receive the T-arms 14 on the lamp sockets 15. The slots 13 are angular, having vertical portions and horizontal portions connected by curves. The curved portions of the blocks are notched at 16 to provide supports for the lamps, the notches being engaged by the T-arms 14 on the sockets. The lamps are thus supported in their adjusted positions, either vertically or horizontally or in any intermediate position. This provides a simple and effective adjustment for the lamps on their supporting bracket. The wires 22 are connected to the lamp sockets through the tubular T-arms 14. The lamp sockets 15 are provided with switches 17 so that the lamps are individually controlled. The outer covering 18 is of flexible material and is adapted to be thrown over the standard and supported by the cross bar 3 and the arms 6. L-shaped extensions 19 are preferably provided for the ends of the arms to hold the covering away from the lamps, the extension being telescoped into the arms,—see Fig. XI. The lamps are preferably provided with reflectors 20 having spring champing fingers 21 and adapted to embrace the socket. See Figs. I and V. By this arrangement, the reflectors can be readily removed or adjusted according to the adjustment of the lamps. For instance, if the lamps are adjusted in their brackets from a vertical to a horizontal position, the reflectors would be on the under side of the lamps unless they were reversed. This mounting permits their being quickly reversed or adjusted.

By arranging the frame structure and the lamps upon the frame as I have illustrated, it is readily adjusted to any desired position for the treatment of a person in a sitting or in a reclining position, or for the treatment of different portions of the body. In Figs. VI and IX, I show the lamps adjusted in different positions. In the modification shown in Fig. XII, the standard or upright 23 is mounted by means of wall brackets 24. The portable form is, however, preferred, as it may be taken from room to room or adjusted for the treatment of a patient in bed, or on a couch, or in connection with a bath tub, or various other relations, as will be suggested to those using the apparatus. Or the apparatus may be taken from house to house by a physician or person giving the treatments as it can be quickly knocked down or disassembled and as readily reassembled.

I have illustrated and described my improved electric light bath and treatment apparatus in a simple and effective embodiment thereof. I have not attempted to show various modifications which are possible and which I contemplate as the disclosure made will enable those skilled in the art to embody

my invention as conditions or taste may dictate. I desire, however, to be understood as claiming my improvements specifically in the form illustrated as well as broadly within the scope of the appended claims.

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

1. In a structure of the class described, the combination of,—an upright; a cross bar mounted on said upright for vertical adjustment thereon; arms mounted on said cross bar for adjustment longitudinally thereof, said arms being adapted to be arranged in a vertical or in a horizontal position on said cross bar; lamp brackets mounted on said arms for adjustment longitudinally thereof, said brackets being adapted to be arranged in vertical or in horizontal positions on said arms and cross bar; lamps on said brackets; and reflectors for said lamps adjustably mounted thereon.

2. In a structure of the class described, the combination of an upright; a cross bar; arms mounted on said cross bar to be adjusted longitudinally thereon, said arms being arranged to be adjusted in a vertical or horizontal position on said cross bar; lamp brackets mounted on said arms for adjustment longitudinally thereon and adapted to be arranged in vertical or horizontal positions on said arms; and lamps adjustably mounted on said brackets.

3. In a structure of the class described, the combination of an upright; a cross bar; arms mounted on said cross bar to be adjusted longitudinally thereon, said arms being arranged to be adjusted in a vertical or horizontal position on said cross bar; lamp brackets mounted on said arms for adjustment longitudinally thereon and adapted to be arranged in vertical or horizontal positions on said arms; and lamps mounted on said brackets.

4. In a structure of the class described, the combination with a supporting arm, of forked lamp brackets adjustably mounted on said arm, the bracket forks being angularly slotted, and lamp sockets having T-arms engaging said bracket slots, the slots being notched to engage said socket arms to adjustably support the same.

5. In a structure of the class described, the combination of an upright, a horizontal cross bar mounted on said upright for vertical adjustment thereon, arms mounted on said cross bar to be adjusted longitudinally thereon and adapted to be independently adjusted to vertical or horizontal positions on said cross bar, and a plurality of lamps mounted on each of said arms to be independently adjusted longitudinally thereon and adapted to be arranged thereon in vertical or horizontal positions when said arms are in horizontal positions or in horizontal positions in

the plane of said cross bar when said arms are in a vertical or in horizontal positions at right angles to the plane of said cross bar.

6. In a structure of the class described, the combination of an upright, a horizontal cross bar on said upright, a plurality of arms removably mounted on said cross bar and adapted to be adjusted to a vertical or a horizontal position thereon, and lamps removably mounted on said arms and adapted to be adjusted to vertical or horizontal positions on said arms and cross bar.

7. In a structure of the class described, the combination of an upright, a horizontal cross bar, a plurality of arms mounted on said cross bar and adapted to be adjusted thereon to and from each other, and a plurality of lamps mounted on said arms to be independently adjusted longitudinally thereof and adapted to be arranged in horizontal or vertical positions thereon.

8. In a structure of the class described, the combination of an upright, a horizontal cross

bar on said upright, a plurality of arms mounted on said cross bar for independent adjustment longitudinally thereon, and a plurality of lamps mounted on said arms for independent adjustment longitudinally thereon and adapted to be arranged in vertical or horizontal positions on said arms.

9. In a structure of the class described, the combination of an upright, a horizontal cross bar on said upright, a plurality of arms mounted on said cross bar for independent adjustment thereon, and a plurality of lamps mounted on said arms for independent adjustment whereby the lamps may be adjusted to various positions relative to each other.

In witness whereof, I have hereunto set my hand and seal in the presence of two witnesses.

JOHN H. KELLOGG. [L. S.]

Witnesses:

R. V. ASHLEY,
S. B. TENNEY.