

Dec. 17, 1929.

N. E. GOODRICH

1,739,509

LIGHT TREATMENT APPARATUS

Filed Oct. 30, 1926

2 Sheets-Sheet 1

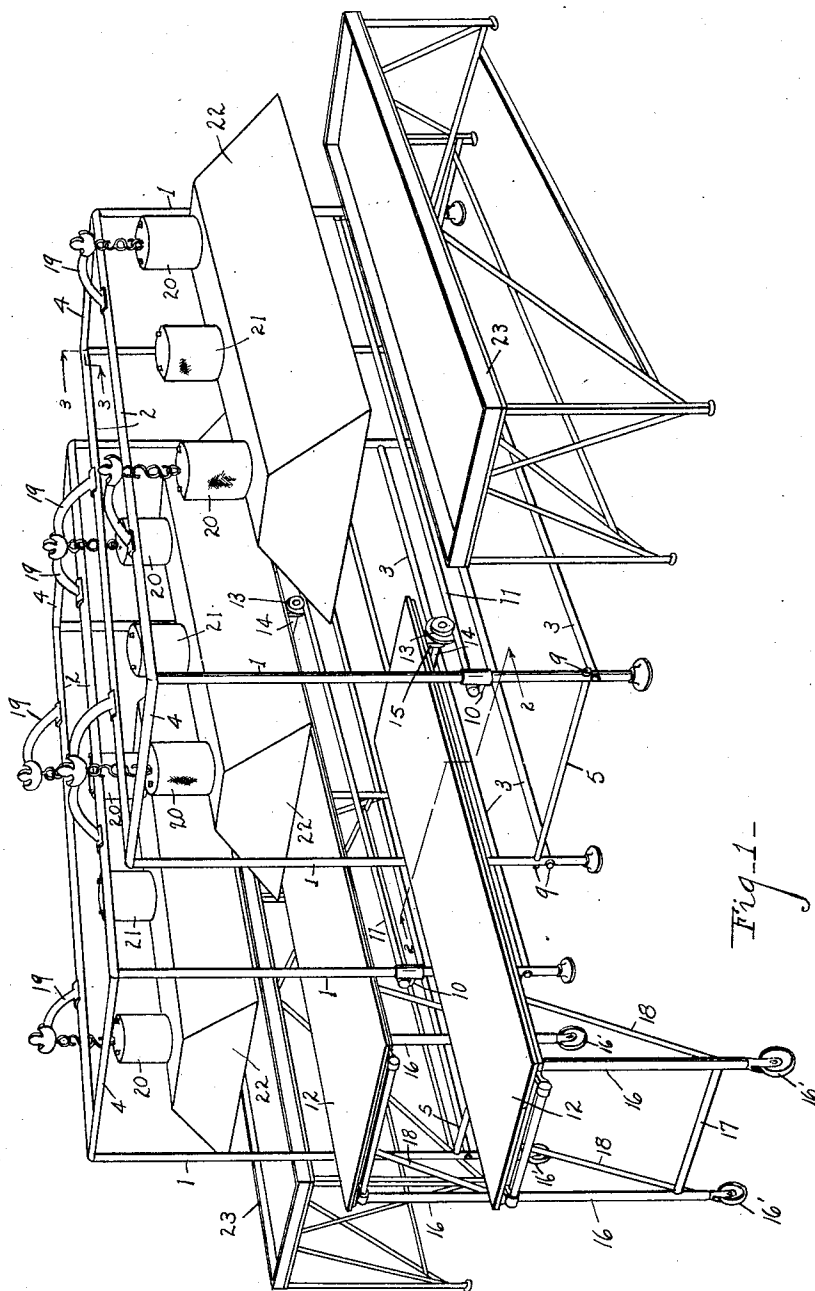


Fig. 1-

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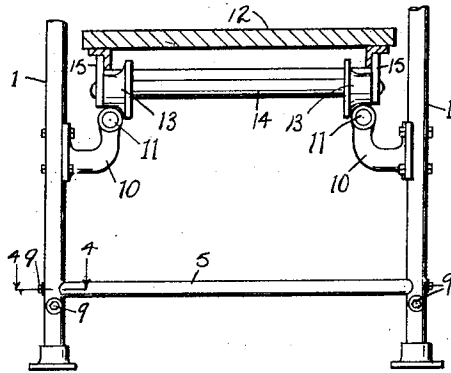


Fig. 2-

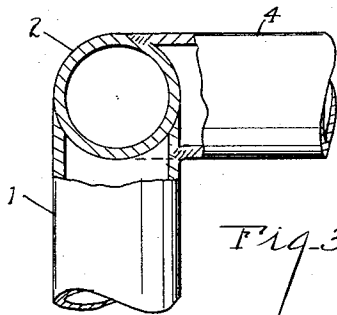


Fig. 3-

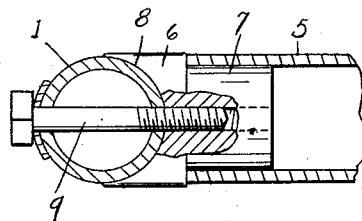


Fig. 4-

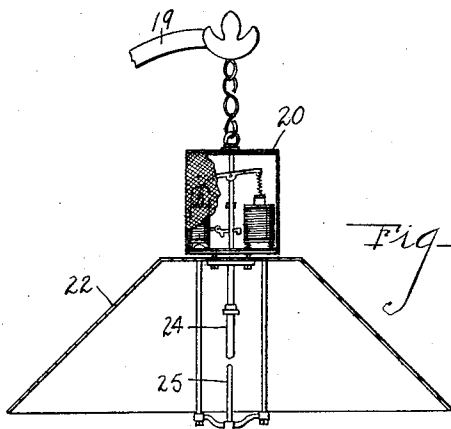


Fig. 5-

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LIGHT-TREATMENT APPARATUS

Application filed October 30, 1926. Serial No. 145,230.

The main objects of this invention are:

First, to provide an improved therapeutic or light treatment apparatus employing lamps of the arc type.

5 Second, to provide an improved apparatus of this character which is well adapted for use in hospitals and the like, permitting the simultaneous treatment of a number of patients, the apparatus at the same time being
10 compact and simple in structure.

Objects pertaining to details and economies of my invention will definitely appear from the detailed description to follow. The invention is clearly defined and pointed out
15 in the claims.

A structure embodying the features of my invention is clearly illustrated in the accompanying drawing forming a part of this application, in which:

20 Fig. 1 is a perspective view of a therapeutic apparatus embodying the features of my invention, the two outer tables being shown in treating position and the other tables being partially withdrawn.

25 Fig. 2 is a fragmentary section on a line corresponding to line 2—2 of Fig. 1.

Fig. 3 is a detail section on a line corresponding to line 3—3 of Fig. 1 showing details of the frame structure.

30 Fig. 4 is an enlarged detail section on line 4—4 of Fig. 2.

Fig. 5 is a detail view partially in section through one of the lamps.

35 In the embodiment of my invention illustrated, I provide a pair of open frames disposed side by side in spaced relation, each frame comprising corner uprights 1 connected by top longitudinal side rails 2 and bottom longitudinal side rails 3, and by the top end
40 rails 4 and bottom end rails 5.

The top rails 2 and 4 and the uprights 1 are joined together by suitably conforming their ends to fit as shown in Fig. 3 and welding as by an acetylene weld. The bottom rails 3
45 and 5 are provided with joint members 6

which have plug extensions 7 fitting into the ends of the rails and seats 8 fitting against the sides of the uprights 1.

Screws 9 are arranged through the uprights and threaded into these coupling members as shown in Fig. 4. 50

The uprights carry inwardly projecting arms or brackets 10 on which the tracks 11 are mounted. The table 12 is supported at its inner end by the rollers 13. The axle 14 on
55 which the rollers 13 are mounted is carried by the brackets 15.

The front end of the table is supported by a pedestal consisting of legs 16 connected by the cross piece 17 and braced by the braces
60 18. Each leg is provided with a wheel 16'. Thus supported the table may be readily telescoped into the frame. The second frame and its table is a duplicate of the frame and table described. 65

Each frame is provided with laterally projecting lamp supporting arms or brackets 19 carrying lamps 20, the inner arms of the two frames coacting to support a pair of lamps
70 between the pair of frames. Each pair of lamps is provided with a rheostat 21. The electrical connections for the lamps, rheostats and control switches are not illustrated as it is believed that these will be readily understood by those skilled in the art. 75

Each pair of lamps or lamp units is provided with an elongated downwardly flaring reflector 22 which are at the sides of the frames in cooperative relation to the tables 12 and to the tables 23 which are arranged at
80 the outer sides of the frames. These tables are of suitable character to support a patient so that the apparatus illustrated is adapted for the simultaneous treatment of four patients, there being three lamp units. 85

The lamps illustrated are arc lamps, the electrodes 24 and 25 thereof being within the reflectors, while the control mechanism of the lamp is above the reflector as shown in Fig. 5. With this arrangement of parts I secure an
90

apparatus which is highly efficient for the administering of light treatments and is well adapted for use in hospitals, sanitariums and the like, where it is desired to economize on space and there are numerous patients to be treated.

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

1. In a therapeutic apparatus of the class described the combination of a pair of open frames disposed side by side and in spaced relation, tables supported to telescope into said frames, additional tables disposed at the outer sides of the frames, laterally projecting lamp supporting brackets on said frames, lamps supported on said brackets between the frames and at the outer sides of the frames, and elongated downwardly opening reflectors for said lamps.

2. In a therapeutic apparatus of the class described, the combination of a pair of open frames disposed side by side and in spaced relation, tables supported to telescope into said frames, lamps supported between the frames and at the outer sides of the frames, and downwardly opening reflectors for said lamps.

3. In a therapeutic apparatus of the class described, the combination of a pair of open frames disposed side by side and in spaced relation, tables supported to telescope into said frames, lamps supported between the frames, and a downwardly opening reflector for said lamps.

4. In a therapeutic apparatus, the combination of a frame comprising uprights and top and bottom side and end rails connecting said uprights, track supporting brackets projecting inwardly from said uprights, tracks carried by said brackets, a table provided with rollers at its inner end traveling on said tracks and with a wheeled pedestal at its other end whereby the table is supported to permit its being telescoped into or withdrawn from the frame, lamp supporting brackets projecting outwardly from the top rails, lamps mounted on said brackets, and reflectors for said lamps.

5. In a therapeutic apparatus, the combination of an open frame, tracks mounted on said frame, a table provided with rollers at its inner end traveling on said tracks and at its outer end with a wheeled pedestal so that the table can be withdrawn from the cabinet or telescoped into the same, and lamps suspended at the sides of said frame and provided with reflectors.

6. In a therapeutic apparatus, the combination of an open frame, tracks on said frame, a table provided with rollers at its inner end traveling on said tracks and with a wheeled pedestal at its other end whereby the table is supported to permit its being telescoped into or withdrawn from the frame,

lamp supporting brackets on said frame, lamps mounted on said brackets, and reflectors for said lamps.

7. In a therapeutic apparatus, the combination of a frame, tracks mounted on said frame, a table provided with rollers at its inner end traveling on said tracks and at its outer end with a wheeled pedestal so that the table can be withdrawn from the cabinet or telescoped into the same, and lamps suspended at the sides of said frame and provided with reflectors.

8. In a therapeutic apparatus, the combination of a frame comprising uprights and top and bottom side and end rails connecting said uprights, a table supported to telescope into said frame, lamp supporting brackets projecting outwardly from the top rails, lamps mounted on said arms, and downwardly flaring elongated reflectors for said lamps.

9. In a therapeutic apparatus, the combination of an open frame, a table supported to be telescoped into said frame, and arc lamps suspended at the sides of said frame, and provided with reflectors.

10. In a therapeutic apparatus, the combination of a frame comprising uprights, top and bottom, side and end rails connecting said uprights, said uprights being spaced to receive a table between them, a plurality of outwardly projecting lamp supporting brackets on each of the top side rails of said frame, lamps on said brackets, and elongated downwardly opening reflectors mounted on the lamps at each side of said frame.

11. In an apparatus of the class described, the combination of a pair of open frames disposed side by side in spaced relation and each comprising uprights and top and bottom, side and end rails connecting said uprights, the uprights of the frames being spaced to permit a table being arranged between them, lamp supporting brackets mounted on the adjacent top side members of the frames, lamps suspended from said brackets, and reflectors for said lamps whereby the lamps are supported in operative relation to said frames.

In witness whereof I have hereunto set my hand.

NORRIS E. GOODRICH.