Feb. 12, 1929. 1,702,028

S. S. BLANCHARD

PORTABLE ELECTRIC LIGHT THERAPEUTIC APPARATUS

Filed Oct. 20, 1927 2 Sheets-Sheet 1

Fig. 1.

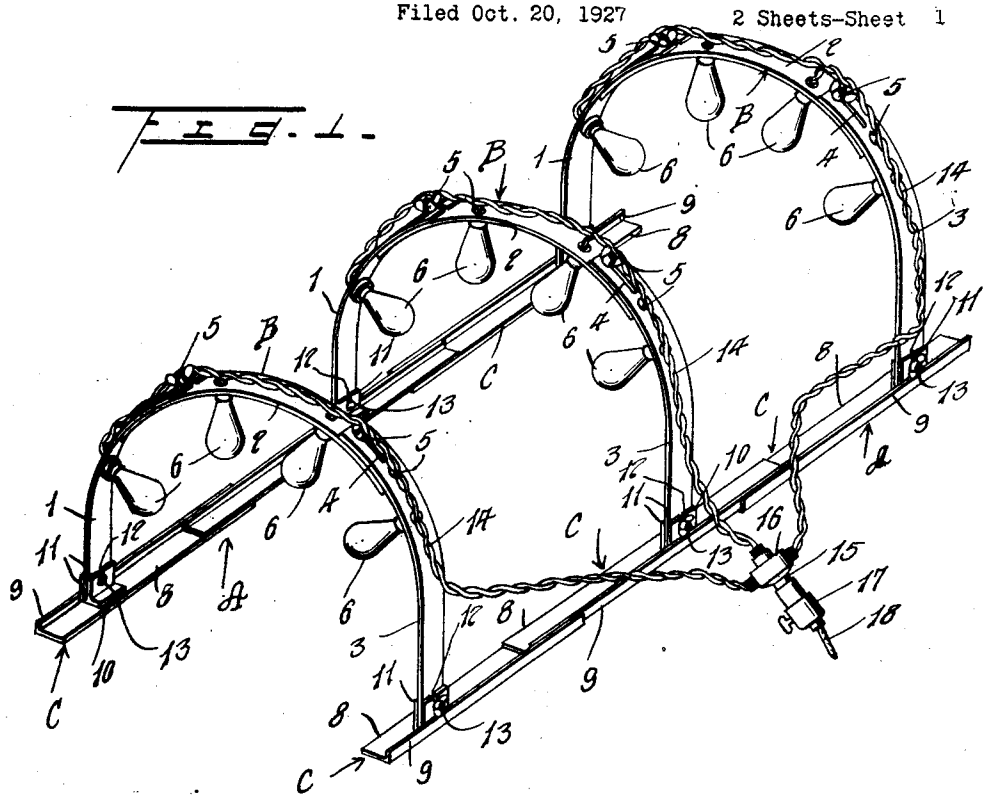
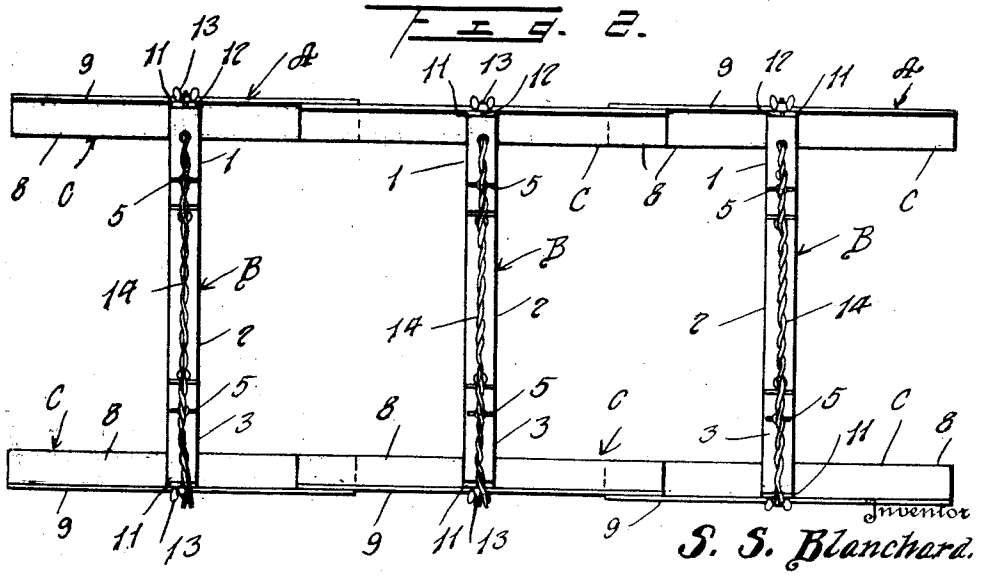


Fig. 2.



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Fig. 3.

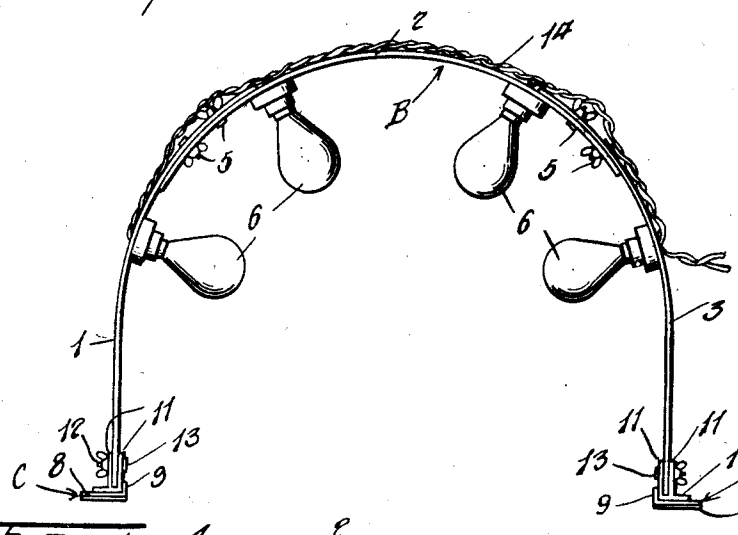



Fig. 4.

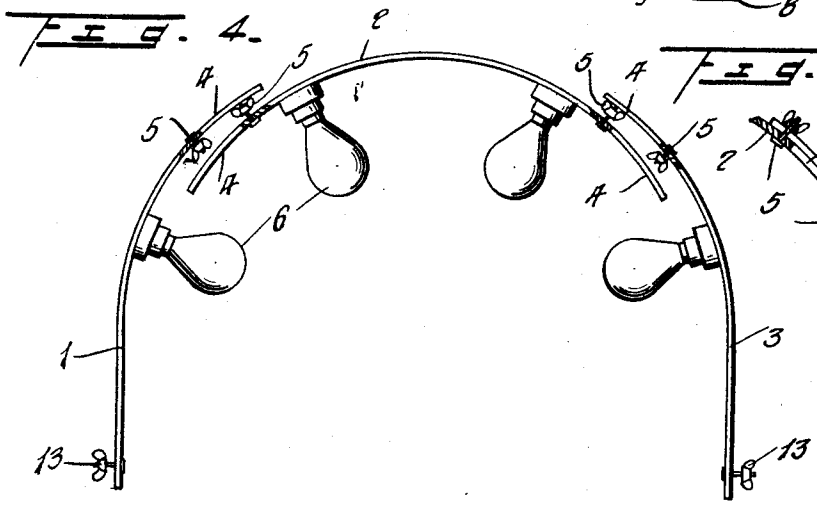



Fig. 6.




Fig. 5.

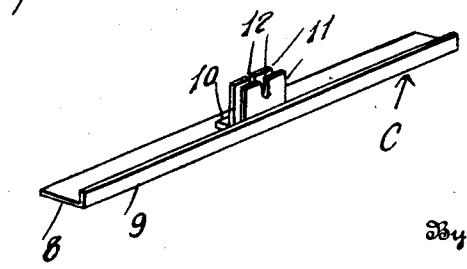
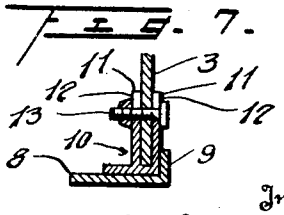



Fig. 7.




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# UNITED STATES PATENT OFFICE.

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## PORTABLE ELECTRIC-LIGHT THERAPEUTIC APPARATUS.

Application filed October 20, 1927. Serial No. 227,537.

The invention relates to means for treating diseases, muscular fatigue, nervous disorders, and other ills by light rays, and has for its principal object the provision of a device employing electric lamps and so constructed that it may be knocked down to occupy a small space for transportation and storage, and that it may be quickly assembled for use.

A further object of the invention is the provision of a device of the character stated comprising a plurality of similarly constructed units adapted to be set up and adjusted relatively to one another to localize the treatment to the part affected.

A further object of the invention is the provision of a device for the purpose stated comprising units consisting of arch members of separable sections carrying electric lamps, said sections being arranged to be quickly assembled, and securable to base plates that are arranged to overlap base plates of adjacent sections to permit adjustment of the units relatively to one another to localize the treatment to the part or parts affected.

The invention will be described in detail hereinafter and will be found illustrated in the accompanying drawings in which

Figure 1 is a view in perspective of the portable electric light therapeutic apparatus,

Figure 2 is a top plan view,

Figure 3 is an end view,

Figure 4 is a view showing one of the arch members unassembled,

Figure 5 is a view of one of the base members,

Figure 6 is a detail view showing the joint between the sections of the arch member, and

Figure 7 is a similar view showing the joint between the base member and the arch member.

In the drawings similar reference characters will be used to designate corresponding parts throughout the several views.

The apparatus as disclosed in the drawings is shown comprising three units, that will be more particularly described hereinafter, that are separable from one another and still are capable of being adjusted relatively to one another to permit a widespread or a localized treatment by the electric lamps supported on the units, it being understood that the number selected in the drawings is for illustrative purposes only, and that the number of units may be increased or diminished as may be found necessary and desirable. The therapeutic apparatus comprises the separable units A, each unit consisting of arch members B and base members C. The arch members are preferably made in three separable sections designated 1, 2, and 3, the end sections 1 and 3 of the arch members B being securable to the intermediate section 2 by means of overlapping the adjacent ends of end sections 1 and 2, and 2 and 3, and providing the overlapped ends with open slots 4 through which are securable clamp screws 5 that engage through said open slots. The end sections 1 and 3 have secured thereto an electric lamp socket 6 and the intermediate section 2 has two lamp sockets also designated 6 that are provided to receive electric lamps 7 that may be of ordinary type or of any special type. Base members C comprise plates 8 having flanges 9 on one of their edges, preferably the inner edge, that engage overlapped ends of adjacent base plates 8 to permit adjustment of the units relatively to one another, and each base plate has secured thereto an upstanding lug 10 formed of spaced plates 11 between which the ends of the arch members B are inserted, and said spaced plates 11 are provided with alined open slots 12 to receive clamp screws 13 engaged through the end sections 1 and 3 of said arch members to hold the arch members in supported positions on said base members B.

An electric circuit cable 14 of the ordinary two-way type is shown carried by each arch member B and connected with the sockets 6 thereon in the ordinary manner, and connectable by means of a plug 15 with a three-way socket 16 connected to a switch socket 17 carried by a power cable 18 connected with any suitable source of electric energy (not shown) but it will be apparent that any other suitable means for connecting the cables 14 with power cable 18 may be employed, the structure shown and described being for illustration only but found to be the most convenient for apparatuses employing three units, as the switch socket 17 may be located for operation by the patient being treated, so that he may discontinue ignition of the lamps 7 when desired and resume the illumination.

What is claimed is:—

1. A portable electric light therapeutic apparatus, comprising units of identical construction, each unit including base members, an arch member separably secured to said base members, said arch member consisting

of separable sections, and electric lamps secured to said arch member section.

2. A portable electric light therapeutic apparatus, comprising a plurality of identical units adjustable relatively to one another, each of said units including base members, and an arch member consisting of a plurality of separable and adjustably interengaging sections, means to removably secure the arch members to the base members, and electric lamps secured to the sections of the arch member section.

3. A portable electric light therapeutic apparatus, comprising identical units, each of said units including base members, lugs on said base members, an arch member consisting of separable and adjustable sections secured to said lugs, and electric lamps secured to said arch member sections.

4. A portable electric light therapeutic apparatus, comprising identical units adjustable, relatively to one another, each of said units including base members, lugs on said base members, an arch member consisting of a plurality of sections adjustably secured together end to end, means to secure said sections together to form an arch, means to secure the end members of the arch to the lugs aforesaid, and electric lamps secured to said arch member section.

5. A portable electric light therapeutic apparatus, comprising a plurality of units of identical construction, each unit including base plates, flanges on said plates forming guides for the base plates of adjacent units, lugs on said plates comprising spaced members having alined open slots therein, arch members consisting of separable sections, lamp sockets secured to said sections adapted to receive electric lamps, said separable sections adapted to overlap and provided with open slots in their overlapped ends, the end sections of said arch members adapted for insertion between said spaced lug members, and clamp screws carried by said sections and adapted to engage through said slots in the lug members and the arch sections.

In testimony whereof I affix my signature.

SOPHIE S. BLANCHARD.