Dec. 28, 1954 W. HÅKONSSON 2,698,017

HEATING RECUMBENT CABINET

Filed June 19, 1953

Fig. 1

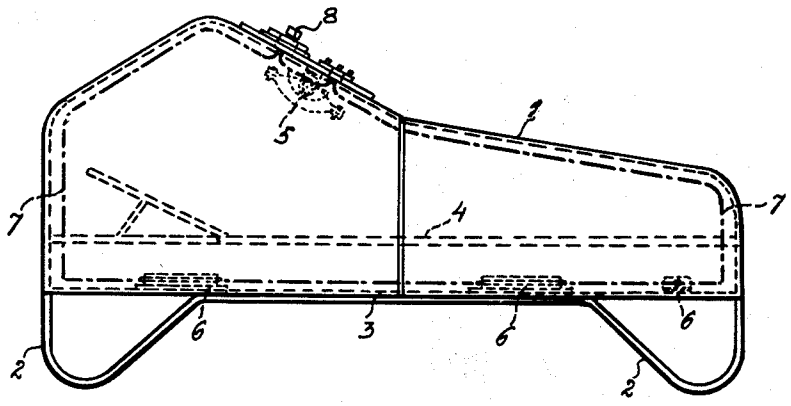
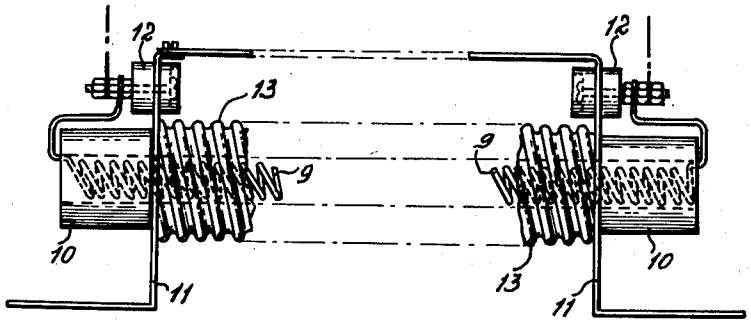


Fig. 2



INVENTOR

Waldemar Håkonsson.

BY

ATTORNEY

United States Patent Office 2,698,017 Patented Dec. 28, 1954

2,698,017

HEATING RECUMBENT CABINET

Waldemar Håkonsson, Copenhagen, Denmark

Application June 19, 1953, Serial No. 362,698

1 Claim. (Cl. 128—373)

The present invention relates to an improved heating recumbent cabinet for medical purposes.

Heating cabinets are already known in which the patient is placed in such a position that his body is subjected to the effect partly of medical rays and partly of heating rays issuing from light and thermal applicators respectively arranged within the cabinet. The patient lies on a couch in relation to which the applicators are placed partly above and partly below the patient on the couch. An essential drawback in connection with these hitherto known heating cabinets is that it is only possible at a considerable expense to arrange the cabinet in such a manner that the patient is not subjected to injurious effects due to the said radiations.

According to the invention this drawback is eliminated by providing a heating cabinet in which there is arranged above the couch a light applicator for certain rays such as for instance infra red rays, and below the couch is arranged one or several thermal applicators, which are screened in relation to the couch by means of a ceramic casing surrounding the heating elements in order to prevent direct radiation. In this manner is attained that the couch need not be made of expensive material otherwise necessary to prevent direct penetration of heat rays from the thermal applicators beneath the couch.

The invention is characterized by other features as will be evident from the following description taken in conjunction with the accompanying drawing, in which

Fig. 1 is a side elevation of a heating cabinet according to the invention, and

Fig. 2 shows on an enlarged scale an exploded side elevation of a thermal applicator as used in the heating cabinet.

The heating cabinet illustrated in Fig. 1 comprises an

elongated casing 1 provided with legs 2. Inside the casing 1 is arranged a couch 4 raised somewhat above the base 3 of the casing 1, and by means of which the patient may take up a recumbent position in the casing. In the upper wall of the casing there is an electrical light applicator 5 for producing for instance infra red rays, the applicator being so arranged that it may issue rays to any part of a patient lying on the couch. Beneath the couch 4 inside the casing there is arranged one or several electrical thermal applicators 6 which, or all of which is/are inserted in series with the light applicator 5, the electrical wiring being indicated by 7. Further, the electrical circuit includes a controlling clock 8 for regulating the time of operation of the light applicator 5 and the thermal applicators 6.

In Fig. 2 a thermal applicator 6 is shown. This applicator consists of a heating filament 9 which is carried through a tube 10 made of a ceramic substance such as e. g. chamotte. At each end this tube 10 is carried by a frame 11 so shaped that the tube is somewhat raised from the casing base 3. The frame 11 is provided with terminals 12 for interconnecting the ends of the filaments 9 and the wires 7. Preferably the exterior of the ceramic tube 10 is provided with projections, e. g. as shown a helical thread 13 in order to increase the heat radiation.

I declare that what I claim is:

A heating cabinet for medical purposes including a casing, a couch within the casing spaced from the base thereof, at least one light applicator arranged above the couch, at least one heating element arranged between the couch and the cabinet base, means for connecting the said light applicator and heating element to an electric circuit, and a screen interposed between the couch and the heating element, in which the screen comprises a tube made of a ceramic material surrounding the heating element.

References Cited in the file of this patent

UNITED STATES PATENTS

Number	Name	Date
2,068,612	Sittler	Jan. 19, 1937

FOREIGN PATENTS

Number	Country	Date
825,139	Germany	Dec. 17, 1951
875,254	France	June 15, 1942