

Improvements in and connected with electro-therapeutic body belts.

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Publication/Creation

[London?] : [Great Seal Patent Office?], 1930.

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PATENT SPECIFICATION



Application Date: Nov. 2, 1929. No. 33,347/29.

334,774

Complete Accepted: Sept. 11, 1930.

COMPLETE SPECIFICATION.

Improvements in and connected with Electro-therapeutic Body Belts.

I, JOHN HUTCHESON BALLANTYNE, B.Sc., C.E., of 248, West George Street, Glasgow, British Subject, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

My invention relates to improvements in and connected with electro-therapeutic body belts, for the cure of rheumatism, lumbago, sciatica and other such ailments.

According to this invention, the belt is made up of two sheets of white felt or other suitable material to suit the curvature of the body and with a series of perforations on each sheet to allow the heat from the body to reach the wire mesh or metal plates hereinafter referred to. Between the two sheets of white felt or other material there is an insulation of wood-wool, fibre or such like, and in the space on each side of the insulation there are two separate lengths of wire mesh or plates of different metals. The component parts of the belt are held together by stitching or otherwise. Eyelet holes are provided through which a tape is passed by which the belt can be attached to the body of the wearer.

By the use of this belt, electro-therapeutic effects are created under the effects of the wearers body causing a warmth of the body and a stimulation of the blood circulation.

The body belt is placed within an envelope or cover of linen or other suitable material.

In order that my invention may be properly understood and readily carried into effect. I have hereunto appended one sheet of drawings, of which

Figure 1 is a plan view illustrating my invention.

Figure 2 is plan with one side removed.

Figure 3 is a sectional diagrammatic view showing the component parts of the belt.

Referring to the drawings, A and B are the two sheets of white felt, or other suitable material forming the belt between

which is the insulation I of wood-pulp, fibre and such like, while C and D are the perforations on each of the felt or other sheets. The perforations C and D admit the heat and moisture from the body of the wearer to the wire mesh or metal plates E and F of dissimilar metals in the space on one side of the insulation I of wood-pulp fibre or such like, one acting as positive and the other as negative, and in the space on the other side of the insulation I, there are the other two wire mesh or metal plates G and H of similar metal to the wire mesh or metal plates E and F respective, one also acting as positive and the other as negative the insulation I, as will be observed, separating the wire mesh or plates E and F and those marked G and H respectively in the space on each side of the insulation I, the component parts of the whole belt being held together by stitching L or such like.

J are eyelet holes for the tape K for tying round the waist of the wearer. The belt is reversible.

The linen envelope or cover in which the belt is placed is not shown in the drawings.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. Body belts, characterized in forming same of two sheets of white felt, or other suitable material, to suit the curvature of the body and with a series of perforations on each sheet, an insulation of wood-wool, fibre or such like between said felt or other sheets, and with separate lengths of wire gauze or metal plates of different metals in the space on each side of said insulation, the whole being held together by stitching or such like.

2. Body belts as in Claim 1, characterized in the provision of eyelet holes at each end of said belt, tapes passing through said eyelet holes for attachment of the belt to the wearer, and with an envelope or cover in which the belt is placed.

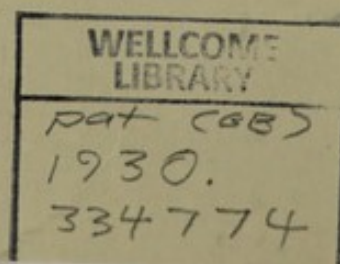
3. Body belts constructed substantially

as and for the purpose hereinbefore described and illustrated on the accompanying sheet of drawings.

Dated this 30th day of October, 1929.

JOHN LIDDLE,
154, St. Vincent Street, Glasgow,
Chartered Patent Agent.

Redhill: Printed for His Majesty's Stationery Office, by Love & Malcomson, Ltd.- 1930.



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[This Drawing is a reproduction of the Original on a reduced scale]

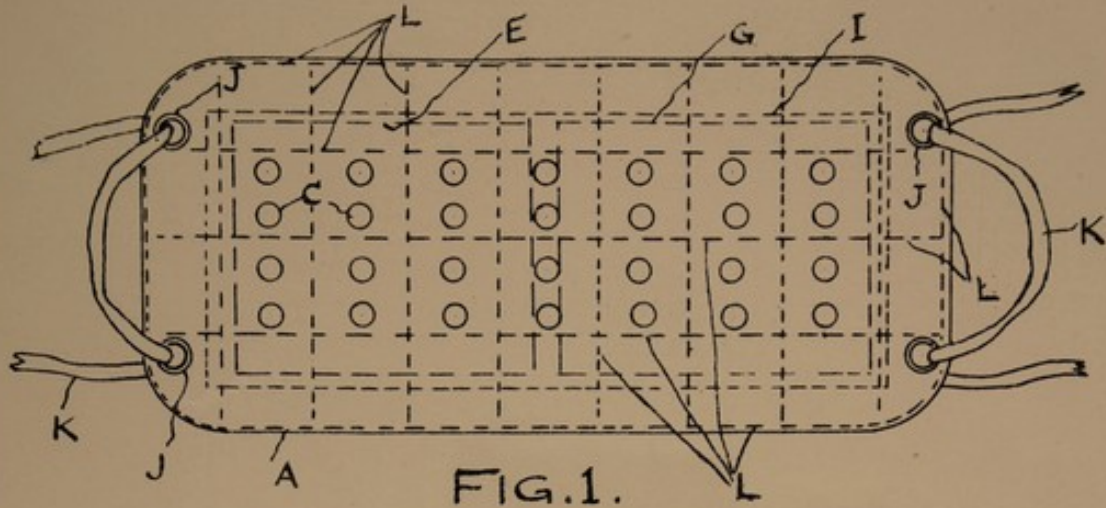


FIG. 1.

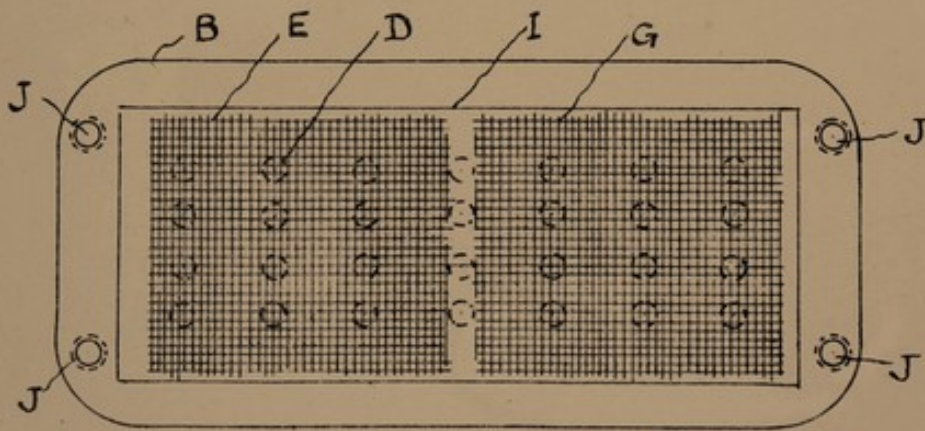


FIG. 2.

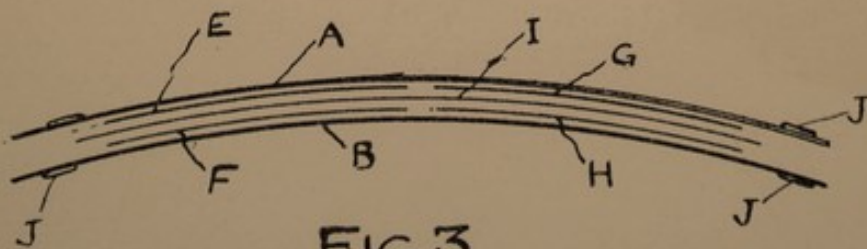


FIG. 3.

