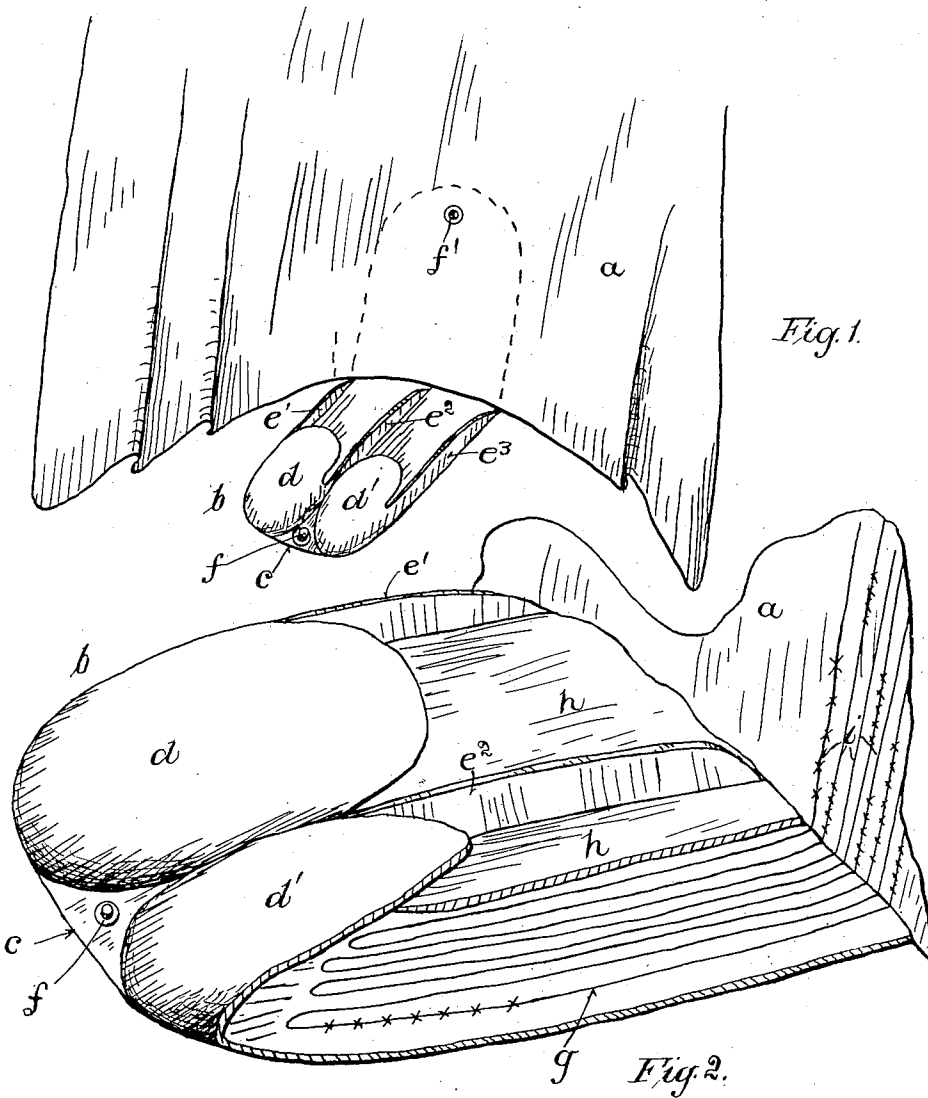


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 FOOT WARMING ATTACHMENT FOR ELECTROTHERMAL GARMENTS.
 APPLICATION FILED AUG. 7, 1909.

969,147.

Patented Aug. 30, 1910.



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UNITED STATES PATENT OFFICE.

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FOOT-WARMING ATTACHMENT FOR ELECTROTHERMAL GARMENTS.

969,147.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, BURTON R. CHARLES, a citizen of the United States, and a resident of Portland, in the county of Multnomah, State of Oregon, have invented a new and useful Improvement in Foot-Warming Attachments for Electrotthermal Garments, of which the following is a specification, reference being had to the accompanying drawings as constituting a part thereof.

This invention relates to robe-like garments electrically heated and designed for therapeutic purposes, and the object of this invention is to provide, at the bottom of the garment, a slipper-like foot-warming attachment, and which foot-piece is also electrically heated by wires electrically connected with the wiring of the garment itself.

My invention has further for its purpose to so arrange the foot-piece that, when not in use, it may be folded against and secured to the bottom of the garment, out of the way, as hereinafter set forth.

In the drawings: Figure 1 represents the lower portion of a robe-like garment adapted to be electrically heated; and Fig. 2 is a larger sized sectional detail showing the particular construction of my foot-piece attachment.

The garment, *a*, is made with a wire lining adapted to be connected with an electric current, so as to constitute a resistant and heat-producing element, as common in this construction. A part of the wires are extended into my foot-piece attachment *b*, which consists of a base strip or sole *c*, to which are secured slipper-like uppers *d*, *d'*, including side strips *e'*, *e''*, *e'''*, the whole having the general appearance of slippers. The attachment of the base strip or sole *c* to the bottom of the garment is done preferably by sewing, so as to provide a sort of hinge-joint adapted to permit the foot-piece, when not to be used, to be turned up against the inside of the bottom of the garment, and there secured by a device like a glove-fastener, the two parts of which are secured, at *f*, *f'*, on the sole *c* and the garment *a*, respectively, as shown.

When the foot-piece *b* is to be used, the same will be dropped down, and after the robe has been wrapped around the person, and the patient has been seated, or has lain down, the feet will be inserted in the foot-

piece in the same manner as one would insert the feet in slippers. When so adjusted, the foot-piece will warm the feet, and thus promote and quicken the warming and therapeutical effects of the garment as a whole.

The wires of the garment, and the extension thereof into the foot-piece, are preferably made of a stranded material with a plurality of insulating coverings therefor so as to adapt the foot-piece to be moved from its up to its down position, and vice versa, without apprehension of the wires *g* breaking in such up and down movement. As apparent, the wires *g* of the foot-piece are a continuation of the wiring *i* of the garment. As shown in Fig. 2, the wires *g* are introduced in the foot-piece between the sole *c* and the inner lining *h*. The sole *c* may be made of felt, and the inner lining *h* made of a flannel-like material.

I claim:

1. The combination of an electrotthermal garment provided with wires, of a foot piece hinged at or near the bottom of the garment the wires in the garment extending to and within the foot piece, the latter having uppers at the front end to form pockets for the feet, an element of a fastening device secured to the foot piece, and a complementary fastening element secured to the garment, the hinge connection between the garment and the foot piece permitting of the latter being folded up and against the former and held by the fastening elements.

2. The combination of an electrotthermal garment provided with wires of a flexible foot piece hinged to the bottom of the garment, the wires in the garment extending to and within the foot piece, said foot piece having a flexible middle partition, flexible sides, and flexible uppers at the front end to provide pockets for the feet, a fastening element secured to the foot piece, a complementary fastening element on the garment, the hinged connection between the garment and foot piece permitting of the latter being folded and the partition sides and uppers collapsed against the garment and secured by the fastening elements.

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Witnesses:

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