

(No Model.)

A. OWEN.
ELECTRIC APPLIANCE FOR TRUSSES.

No. 444,599.

Patented Jan. 13, 1891.

Fig. 1.

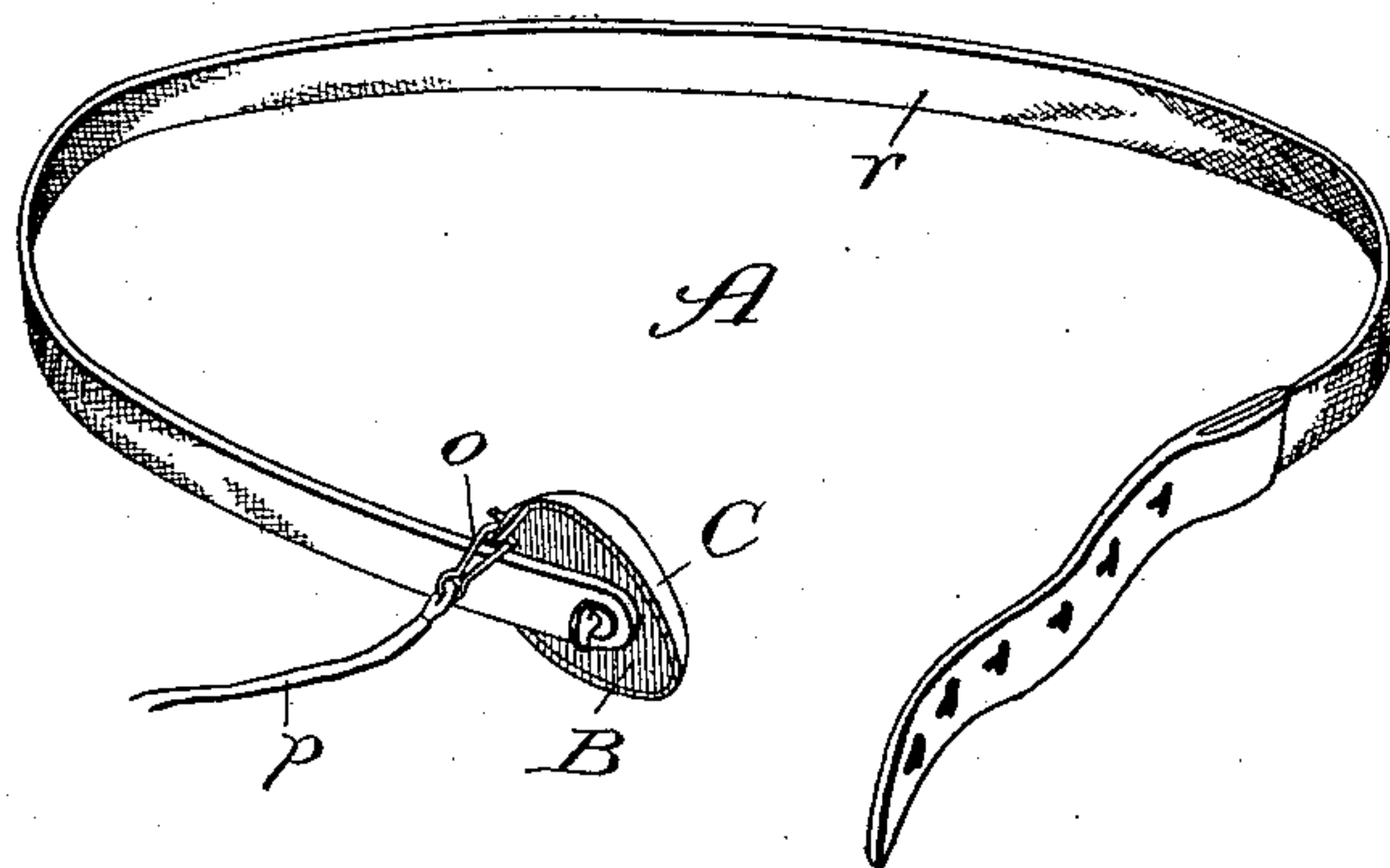


Fig. 2.

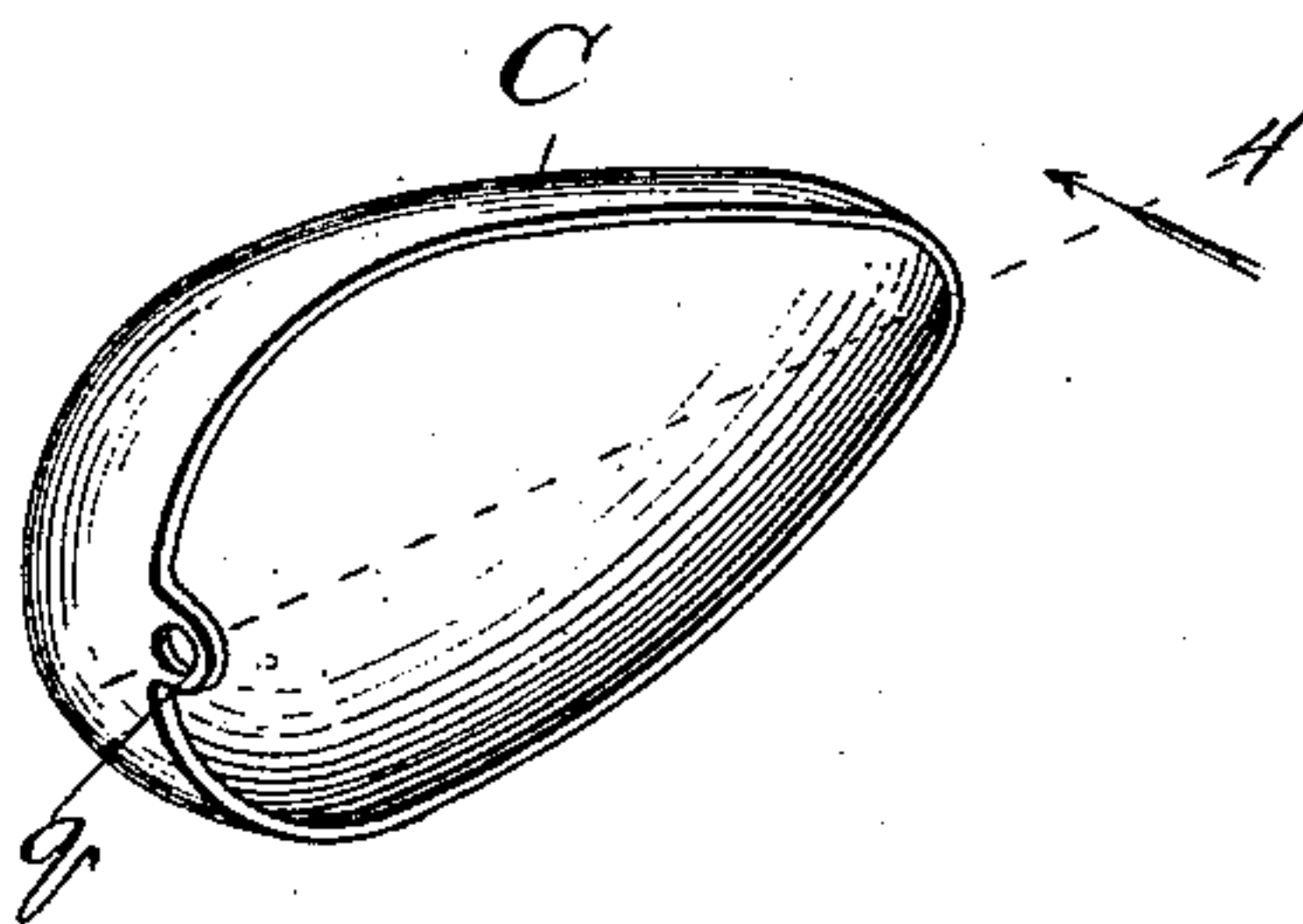


Fig. 3.

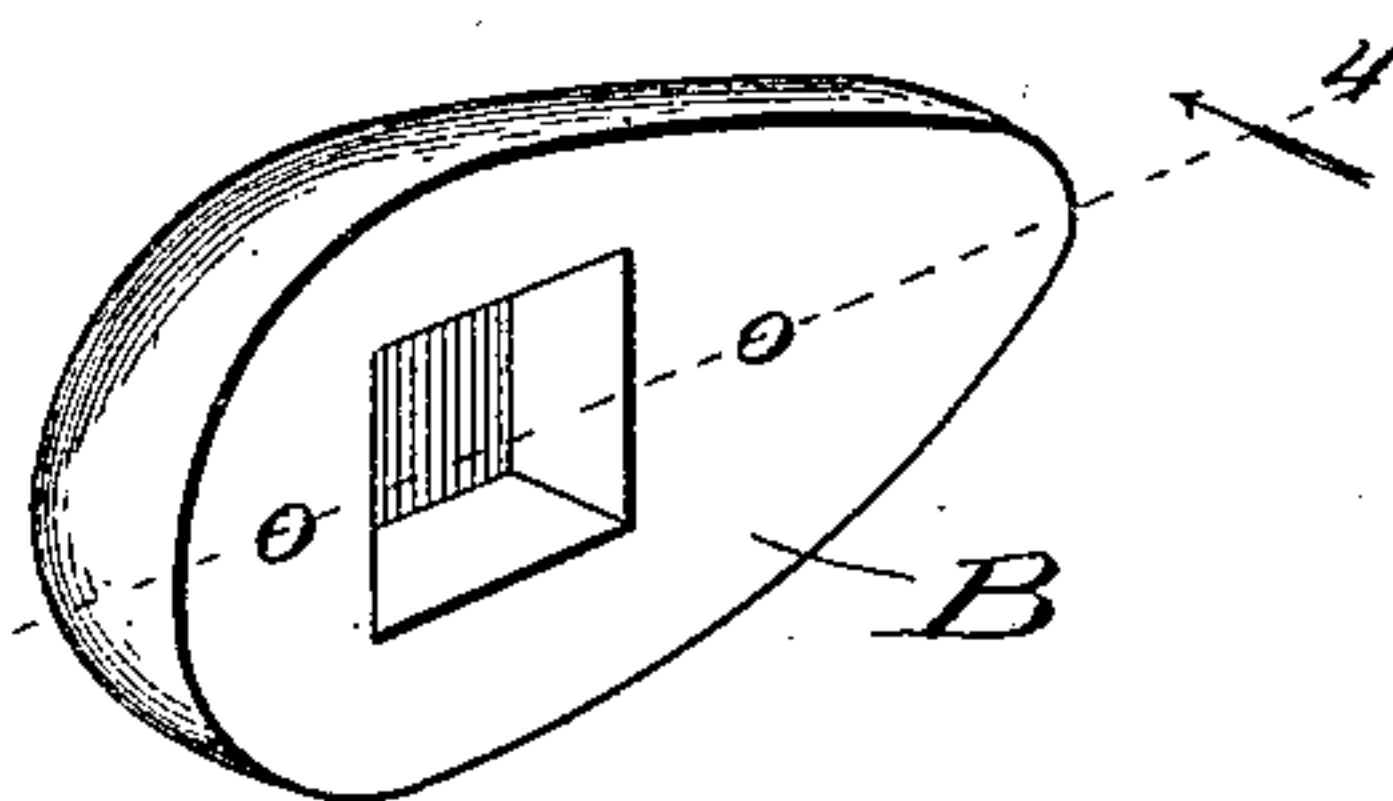
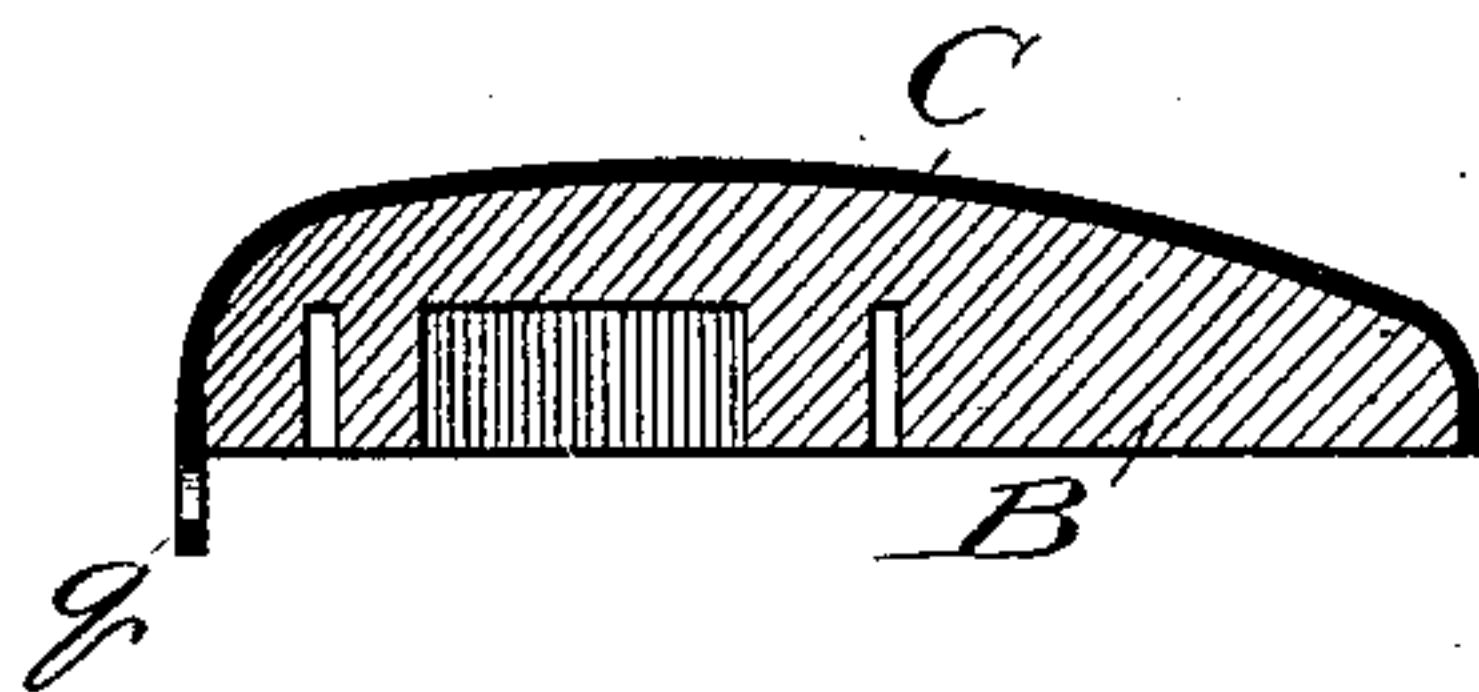


Fig. 4.



Witnesses:

Edw. D. Lyford,
Efford G. White.

Inventor:

Alva Owen.

By Dymfard & Dymfard,
Attys.

UNITED STATES PATENT OFFICE.

ALVA OWEN, OF CHICAGO, ILLINOIS.

ELECTRIC APPLIANCE FOR TRUSSES.

SPECIFICATION forming part of Letters Patent No. 444,599, dated January 13, 1891.

Application filed October 11, 1890. Serial No. 367,773. (No model.)

To all whom it may concern:

Be it known that I, ALVA OWEN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have
5 invented a new and useful Improvement in Trusses, of which the following is a specification.

The object of my invention is to provide a construction of truss which shall render it
10 readily convertible from or to an electric truss to or from a non-electric truss, thereby to obviate any necessity for taking off the truss, as is commonly done with permanently electric trusses when the current becomes un-
15 comfortable, to prevent blistering the flesh, and permitting the use to be conveniently continued as a common or non-electric truss without removal from the body.

My invention consists to this end in the construction of the truss-pad by forming it of insulating or insulated material and providing it with a removable and adjustable cap of conducting material adapted to have connected with it a conductor leading from a pole
25 of a suitable generator of electricity.

In the accompanying drawings, Figure 1 is a perspective view of a truss having the pad provided with my improvement. Figs. 2 and 3 are perspective views, respectively, of the cap and pad; and Fig. 4 is a section taken through the pad with the cap adjusted upon it, the section being taken at the line 4 in Figs. 2 and 3 and viewed in the direction of the arrow.

A is a truss, having a band *r* of any suitable kind, and provided at one end with a pad B. The pad illustrated is of general oval shape and formed of hard rubber, though for my purpose it may involve any desired shape and material, provided the latter be non-con-
40 ductive of electricity or rendered so by insulation.

C is the cap, formed of metal and provided with means, such as the eye *q*, at which to permit ready attachment to and detachment
45 from it of an insulated conducting-wire *p*, a clasp *o* or hook forming the direct means for the purposes stated, which I employ, and the

conductor being supposed to lead from a suitable battery, which may be supported on the truss-band *r*, though it is not shown in the
50 drawings, because it constitutes no part of my present invention. The form of the metal cap C best suiting it to my purpose of an electrode is that of the pad B, when the size should be such as to adapt it to fit snugly
55 over the exposed surface of the pad or the entire portion thereof, which is adjusted into contact with the body, a prime requirement being that it be readily adjustable and removable. I do not, however, wish to be con-
60 sidered as excluding from within the spirit of my invention even a strip of metal adapted to be readily fitted upon and separated from the pad.

What I claim as new, and desire to secure
65 by Letters Patent, is—

1. An insulating truss-pad B, provided with an adjustable and removable metal cap C, having means for connecting with it a conductor *p*, substantially as and for the purpose
70 set forth.

2. A truss-pad B, formed of insulating material and provided with a removable and adjustable metal cap C, conforming in shape to and snugly fitting over the surface of the pad
75 to be brought into contact with the body, and having means for connecting with it a conductor *p*, substantially as and for the purpose set forth.

3. In a truss A, the combination, with the
80 band *r*, of a pad B, of insulating material, and a metal cap C, conforming in shape to and snugly fitting over the surface of the pad to be brought into contact with the body, and thereby adapted to be readily adjusted in
85 place and removed, and an eye *q* on the cap to receive a clasp *o* or hook for connecting a conductor *p* with the cap, substantially as described.

ALVA OWEN.

In presence of—

J. W. DYRENFORTH,
M. J. FROST.