Aug. 9, 1927. 1,638,704

C. A. POPE

CALF AND ANKLE GRIP

Filed Sept. 13. 1926

Fig. 1.

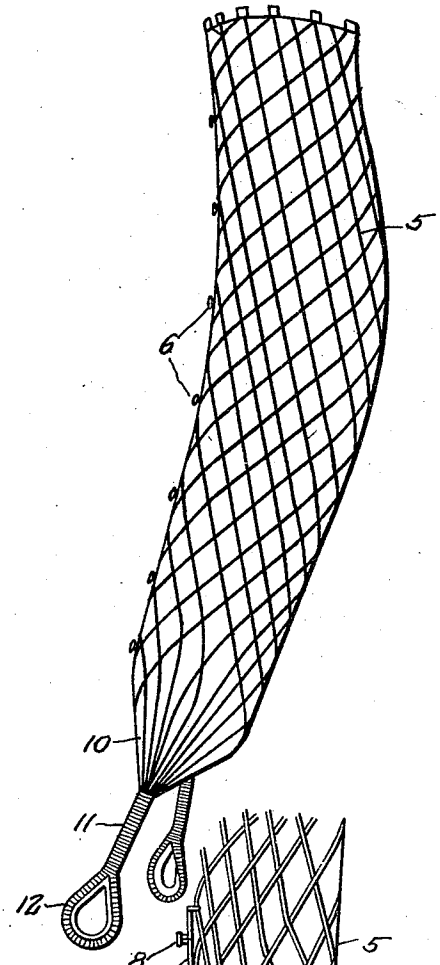
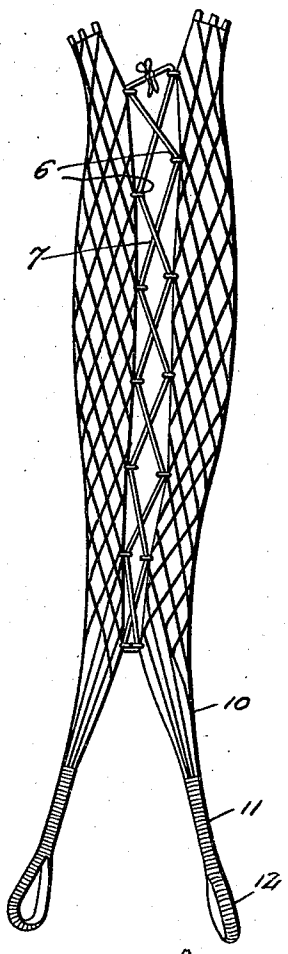


Fig. 2.



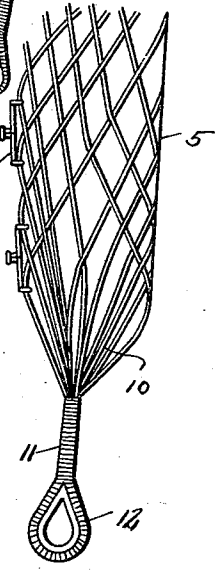


Fig. 3.

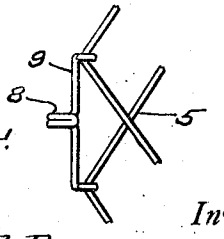


Fig. 4.

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UNITED STATES PATENT OFFICE.

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CALF AND ANKLE GRIP.

Application filed September 13, 1926. Serial No. 135,155.

The present invention relates to a device for hospital use for broken legs where a counter weight is necessary to put the bone in place.

It is designed to distribute the strain to all of the leg below the knee and to be more effective in maintaining the bone in proper place. Another very important object of the invention lies in the provision of a device of this nature which is inexpensive to manufacture, and yet will prove strong and durable in use and is thoroughly reliable and efficient in use.

With the above and other objects in view, the invention resides in certain details of construction and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawing:—

Figure 1 is a side elevation of the device, embodying the features of my invention, and

Fig. 2 is a front elevation thereof,

Fig. 3 is a fragmentary side elevational view of a modified form of the device, and

Fig. 4 is a detail view of said modified form.

Referring to the drawing in detail, it will be seen that the numeral 5 denotes a puttee-shaped casing formed of wire mesh or of any other suitable material wherein the strands are suitably interwoven to form a casing which may receive the calf portion of the leg. In the embodiment shown in Figs. 1 and 2, eyes 6 are provided for the purpose of receiving suitable lacing 7.

In Figs. 3 and 4, however, I show hooks 8 which are engaged by extensions 9 with one side edge of the puttee-shaped casing. The fact is, however, that any suitable fastening means may be provided for the edges of the body of the puttee-shaped casing. The strands of the material from which the casing is formed are extended downwardly as is indicated at 10 and are bound by suitable means as is indicated at 11 for forming eyes 12 to be located below the handle and to which the counter-weights will be attached.

This device is so constructed as to distribute the same to all parts of the leg below the knee. It may be laced so as to cover the knee if desired. It may be made in all sizes to fit all legs and can be made with or without hooks. It may be woven with single or double strand wire or any other suitable material. In an actual device which I have made, the same has been constructed of eighteen gauge half hard brass wire. The device can be made of wire rope strand of any size.

My idea in this invention is to provide a calf and ankle grip that relieves the pain now suffered by patients who have two iron bars strapped to the leg above the knee or around the ankle which brings the strain all on two parts of the leg and tends to stop blood circulation which turns the leg black. My device relieves all of this sufferance because it distributes these strains to all parts.

The eyes 12 should be located just below the sole of the foot.

It is thought that the construction, utility, and advantages of this invention will now be clearly understood by those skilled in this art, without a more detailed description thereof. The present embodiments of the invention have been disclosed in detail merely by way of example, since in actual practice they attain the features of advantage enumerated as desirable in the statement of the invention and the above description.

It will be apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed, or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:—

1. A calf and ankle grip for surgical extension apparatus including a puttee-shaped casing formed of mesh material to encase the calf and ankle of a person, the strands of said mesh material being extended at one end adjacent the calf and grouped and bent to form relatively rigid eyes.

2. A calf and ankle grip for surgical extension apparatus including a puttee-shaped casing formed of mesh material to encase the calf and ankle of a person, the strands of said mesh material being extended from the calf end of the casing and grouped and bent to form relatively rigid eyes, said mesh casing being longitudinally split and means at the edges of the split for drawing the casing tightly about the calf and ankle of the person.

In testimony whereof I affix my signature.

CHARLES A. POPE.