Sept. 24, 1957 P. STRINDEN 2,807,261

ARM SLINGS

Filed Aug. 18, 1955

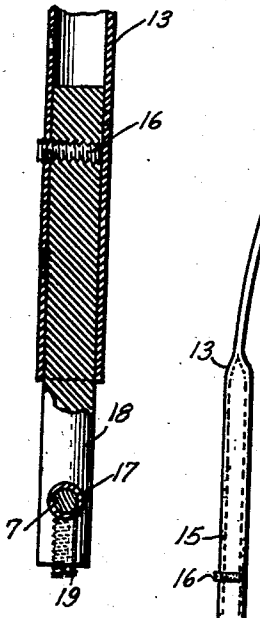


Fig. 3.

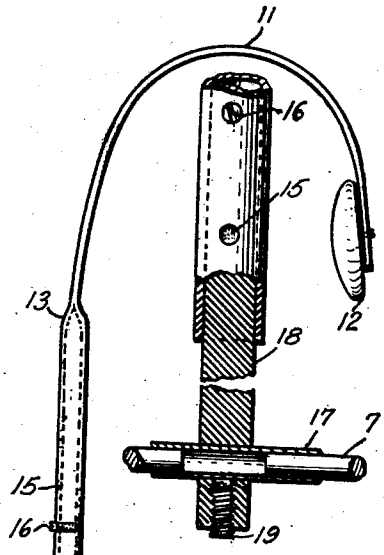


Fig. 4.

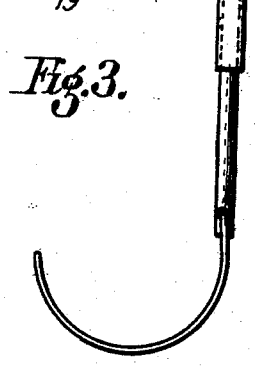


Fig. 2.

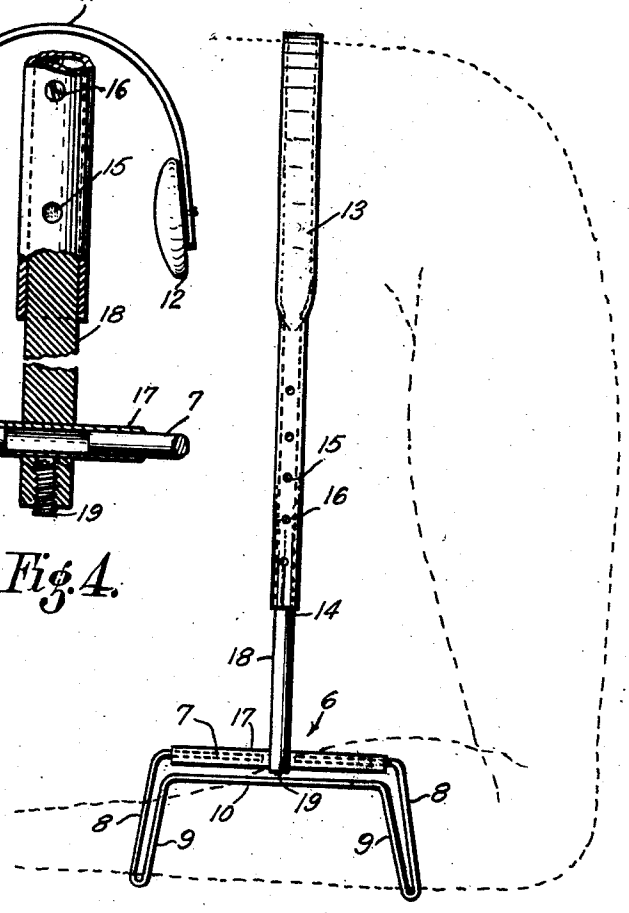


Fig. 1.

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ARM SLINGS

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1 Claim. (Cl. 128—94)

This invention relates to improvements in surgical appliances and has particular reference to an arm sling adapted to be suspended from the shoulder of a person for comfortably supporting an injured arm in a position substantially at right angles to the vertical suspension portion of the appliance.

The principal object of the invention is the provision of means for readily adjusting the shoulder engaging portion of the device relative to an arm supporting frame to thus permit the lowering or raising of the frame relative to the shoulder engaging portion.

An additional object of the invention is the provision of means permitting pivotal movement of the frame relative to the shoulder engaging portion.

A further object of the invention is the production of a device of the character described that is simple in construction, economical to manufacture, light in weight, yet strong and durable, easily adjustable and highly efficient and serviceable in use.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawing forming a part of this specification and wherein for the purpose of illustration like numerals designate like parts throughout the same,

Fig. 1 is a front elevational view of the appliance shown in an operative position,

Fig. 2 is a side elevational view of the same,

Fig. 3 is an enlarged detail view partly in section and partly in elevation disclosing means for connecting the extension and the tubular body of the invention, and

Fig. 4 is a similar view and likewise disclosing an auxiliary fastening means that is employed.

In the accompanying drawings wherein for the purpose of illustration is shown a preferred embodiment of my invention, the numeral **6** designates, as a whole, a frame for slidably retaining therein the forearm of an injured arm A. This frame is preferably made of rigid spring wire and is of a substantially U-shaped configuration. A rear split horizontal rod of the frame is indicated by the numeral **7** and continues downwardly to form side portions **8** that are then turned upwardly as at **9** and

continue into a front horizontal bar **10** that lies in a plane below the plane of the bar **7** and is substantially spaced therefrom to define a cradle or sling that serves to support the forearm of the user.

The means for suspending the arm carrying frame from the shoulder of a person comprises a hook-shaped extremity **11** that is adapted to be draped over the shoulder. This hook element or extremity is preferably flat and is equipped at its lower end with a rounded button-shaped element **12** that assures comfort to the wearer and eliminates a snagging of the clothes when the appliance is in use.

Integrally formed with the hook element and depending therefrom is a tubular member **13** having a lower open end **14**. It will be noted that said member is provided with a plurality of spaced openings **15** that are adapted to receive a locking screw **16**. A sleeve **17** encompasses the split rod **7** and passes through the lower end of a solid vertical bar **18**. The upper end of the bar enters the open end of the tubular member and the screw **16** serves to secure the bar and member **13** in a predetermined adjusted position. Accordingly, the device can be vertically raised or lowered to the desired height. The screw **16** serves to detachably secure the member **13** and the bar together.

A lower screw **19** provides an additional means for securing the frame to the bar **18**.

By virtue of the construction recited it will be obvious that the frame and tubular body can be readily adjusted relative to each other and further that the said frame can be tilted as desired.

It is to be understood that the form of my invention herewith shown and described is to be taken as a preferred example of the same and that various changes relative to the shape, size, material and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claim.

Having thus described my invention, I claim:

An arm sling embodying in its construction a flat curved resilient portion adapted to be positioned on the shoulder of the user, a protective button provided on the free end of said portion, a tubular member having spaced openings therein and integrally formed with said flat portion and a frame for supporting the forearm of the user, means connecting said frame to said tubular member and comprising a vertical bar pivotally secured at one end to said frame, and a fastening element for detachably securing said bar to said tubular element, whereby the bar is adjustable relative to said tubular element.

References Cited in the file of this patent

FOREIGN PATENTS

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