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J. L. PERRY
EXTENSIBLE SPLINT
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2,695,018

Fig. 1.

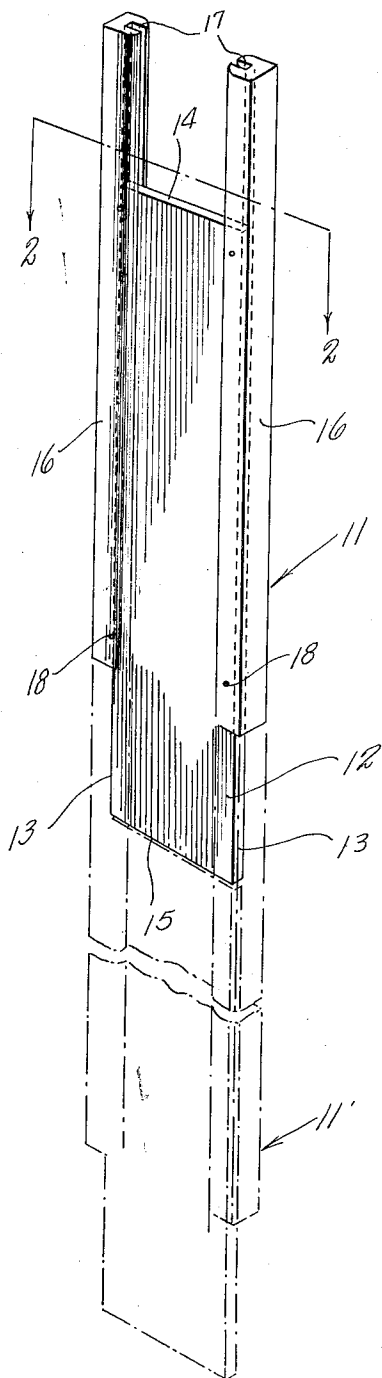


Fig. 2.

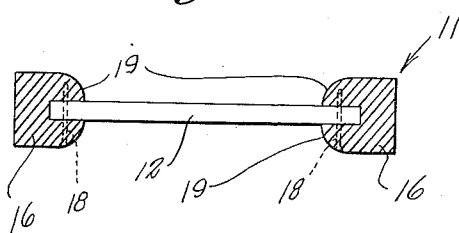
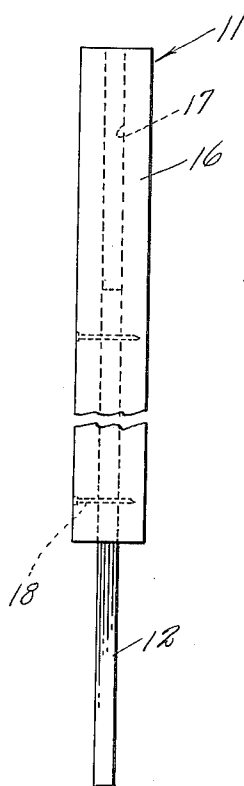


Fig. 3.



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EXTENSIBLE SPLINT

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2 Claims. (Cl. 128—87)

This invention relates to improvements in splints for supporting and immobilizing injured limbs of the human body.

A main object of the invention is to provide a novel and improved splint which is simple in construction, which is easy to apply to an injured limb, and which is jointed extensible to different effective lengths through the addition and subtraction of sections of the splint.

A further object of the invention is to provide an improved extensible splint device which is inexpensive to manufacture, which is sturdy in construction, and which is arranged so that by employing a suitable number of sections, the resultant splint may be made to any desired length, to define a supporting means for an injured limb.

Further objects and advantages of the invention will become apparent from the following description and claims, and from the accompanying drawings, wherein:

Figure 1 is a perspective view of a splint device constructed in accordance with the present invention, one element of the device being shown in full line view, and an additional element cooperatively arranged with the first element being shown in dotted line view.

Figure 2 is an enlarged horizontal cross sectional view taken on the line 2—2 of Figure 1.

Figure 3 is a fragmentary enlarged side elevational view of the splint element shown in Figure 1.

Referring to the drawings, 11 designates a splint device according to the present invention, comprising an elongated rectangular flat web or plate 12 preferably of rigid sheet material, such as "masonite" or the like, having parallel longitudinal side edges 13, 13 and the respective end edges 14 and 15. Designated at 16, 16 are respective side rails which are secured to the opposite side edges 13, 13 in parallel relationship, said rails projecting beyond the end edge 14 for a substantial distance, as shown in Figure 1, and being substantially equal in length to the plate 12, whereby the side edges 13, 13 are exposed adjacent to the transverse end edge 15 of plate 12, as is clearly shown in Figure 1. The side edges 13, 13 of the plate 12 are received in grooves 17, 17 formed in the rails 16, 16, said grooves being in opposing relationship, and the rails being secured to the side marginal portions of the plate 12 by nails 18 driven through the rails and the plate 12 in the manner clearly shown in Figures 1, 2 and 3.

As shown in Figures 1 and 2, the rails 16, 16 have rounded inner corners 19. The rails are of substantial

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thickness, thus defining with the plate 12 a recess adapted to receive the injured limb, suitable padding being interposed between the surfaces of the splint device and the limb. A plurality of splint elements 11 may be locked together by engaging the exposed portions of the groove 17 of one splint element with the exposed portions of the side edges 13, 13 of an adjacent splint element, in the manner illustrated in Figure 1, wherein an additional splint element 11' is thus engaged with the exposed portions of the edges 13, 13 of the splint element 11, whereby a relatively elongated splint element is formed.

The rails 16, 16 may be secured to the side marginal portions of the plate 12 in any suitable manner, as for example by using suitable glue or adhesive in addition to fastening devices such as the nails 18 as above described. The side rails 16, 16 may be made of any suitable material, such as wood, molded plastic material, or the like.

When the splint elements are disassembled, they may be tied together to form a compact bundle which is easy to carry or to store.

While a specific embodiment of an improved splint device has been disclosed in the foregoing description, it will be understood that various modifications within the spirit of the invention may occur to those skilled in the art. Therefore, it is intended that no limitations be placed on the invention except as defined by the scope of the appended claims.

What is claimed is:

1. A splint device comprising at least one section, said section consisting of an elongated flat plate having longitudinal side edges, rails secured to said side edges, said rails having ends spaced longitudinally from one end of the plate and end portions projecting longitudinally beyond the other end of the plate, said rails being thicker than said plate and having opposed outer sides spaced laterally outwardly beyond the related sides of the plate, and end portions of the rails having facing sides provided with longitudinal grooves equally spaced from the outer sides of said end portions and sized to accommodate the plate of another similar splint.

2. A splint device comprising at least one section, said section consisting of an elongated flat plate having longitudinal side edges, rails secured to said side edges, said rails having ends spaced longitudinally from one end of the plate and end portions projecting longitudinally beyond the other end of the plate, said rails being thicker than said plate and having opposed outer sides spaced laterally outwardly beyond the related sides of the plate, and end portions of the rails having facing sides provided with longitudinal grooves equally spaced from the outer sides of said end portions and sized to accommodate the plate of another similar splint, said rails having rounded laterally inward edges.

References Cited in the file of this patent

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