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TRACTION SLIDE

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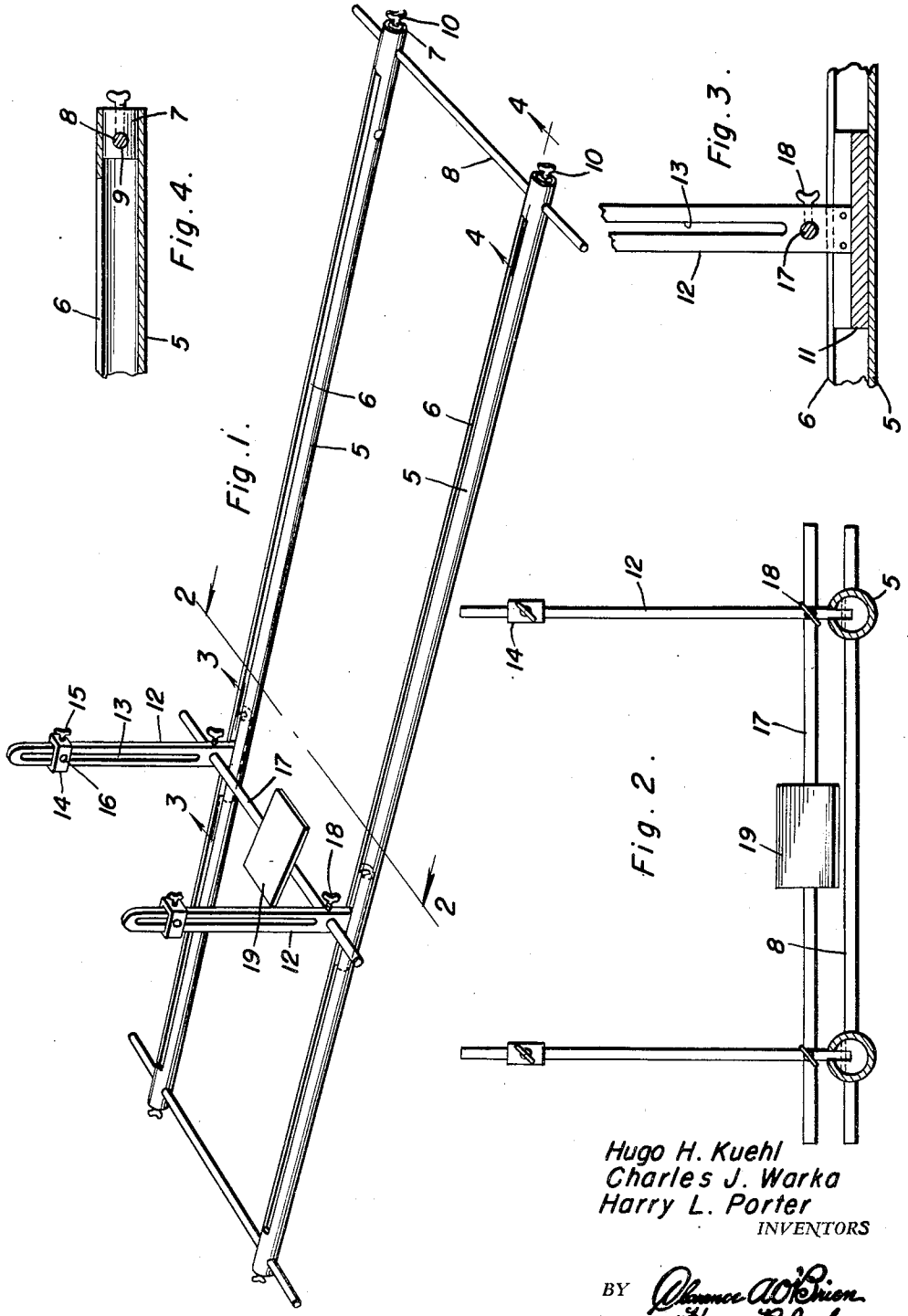

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TRACTION SLIDE

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2 Claims. (Cl. 128—84)

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The present invention relates to new and useful improvement in surgical appliances and more particularly to a traction slide to aid in the proper setting of a fractured bone in the leg or other part of the body.

Another important object of the invention is to provide a traction slide to hold a leg in a proper position during healing of a fracture to prevent the tendency of the toes and foot from turning outward.

A further object of the invention is to provide a traction slide of this character of simple and practical construction, which is efficient and reliable in use, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view;

Figure 2 is a transverse sectional view taken on the line 2—2 of Figure 1; and

Figures 3 and 4 are fragmentary sectional views taken respectively on the lines 3—3 and 4—4 of Figure 1.

Referring now to the drawings in detail wherein for the purpose of illustration we have disclosed a preferred embodiment of the invention the numeral 5 designates a pair of spaced apart parallel tubes having longitudinal slots 6 therein. The ends of the tubes are closed by plugs 7 and transverse spreader bars 8 are slidable in aligned openings 9 in the tubes and plugs and are secured in adjusted position by thumb screws 10 threaded through the ends of the plug and engaging the bars 8 to thus hold the tubes 5 equally spaced apart at each end.

Slides 11 are positioned for sliding movement in each of the tubes and to which the lower ends of standards 12 are suitably secured, the standards being slidable in the slots 6 of the tubes. The standards are formed with vertical slots 13 and the collars 14 are carried by the standards for vertical sliding movement and secured in vertically adjusted position by thumb screws 15. Openings 16 are provided in the collars to receive a Kirschner wire (not shown) supported between the standards.

A transverse bar 17 is adjustably secured in the lower portion of standards 13 by thumb screws 18 and a leg rest 19 is suitably secured to the central portion of the bar 17 for tilting adjustment, the leg rest comprising a substantially rectangular plate.

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In the operation of the device, the tubes 5 are placed on a bed or other support on which the patient is resting and the leg to be treated rests on leg rest 19 which is tilted to a desired position.

A Kirschner wire, which is inserted through the lower portion of the tibia of the fractured leg, is left with its ends free which are secured in the collars 14 and the collars adjusted vertically on the standards 12. Traction may then be instituted in the usual manner.

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. A traction device comprising a pair of parallel tubular rails, slides in the rails, a standard rising from each slide, and a leg rest supported by the standards and positioned between the rails and including a leg supporting plate.

2. A traction device comprising a pair of parallel rails, spreaders securing the rails in adjustable spaced relation to each other, standards adjustably carried by the rails, and a leg rest supported by the standards and positioned between the rails comprising a bar extending through the standards and rockably adjustable therein, and a leg supporting plate on said bar tiltable by rocking of said bar.

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