March 3, 1953 W. M. EUBANKS, SR 2,630,288

ADJUSTABLE ARM AND LEG REST

Filed Oct. 16, 1950 2 SHEETS—SHEET 1

Fig. 2

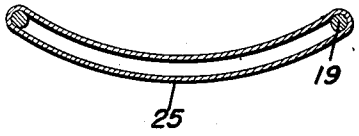
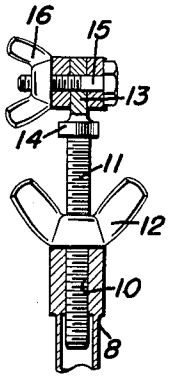


Fig. 1

Fig. 3



William M. Eubanks Sr.
INVENTOR.

BY Clarence A. O'Brien and Harvey B. Jacobson
Attorneys

March 3, 1953 W. M. EUBANKS, SR 2,630,288

ADJUSTABLE ARM AND LEG REST

Filed Oct. 16, 1950 2 SHEETS—SHEET 2

Fig. 4

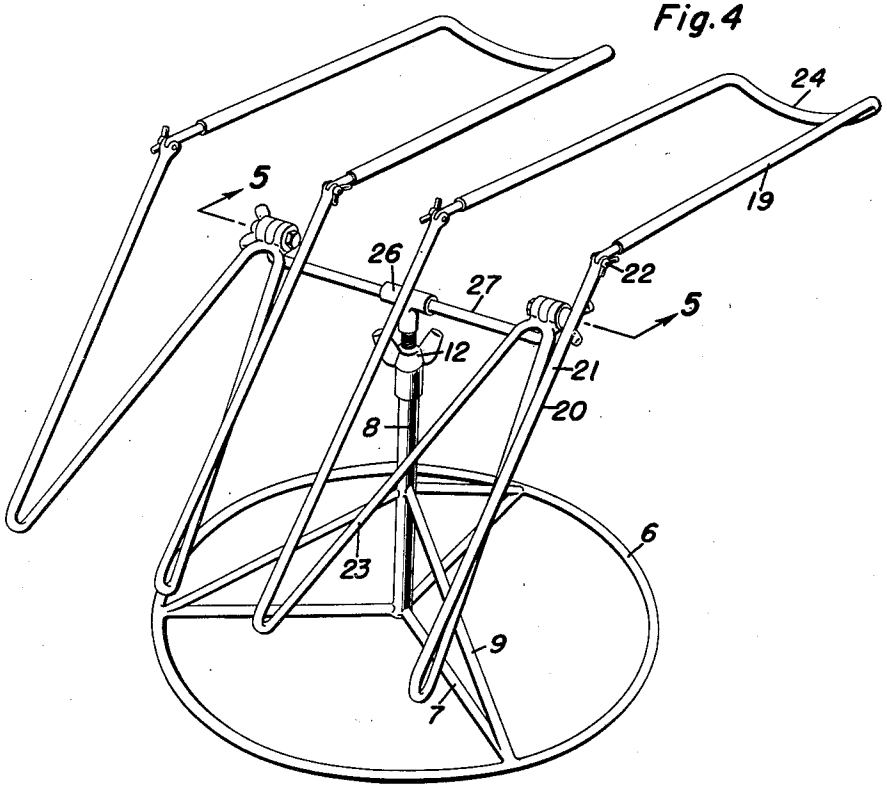
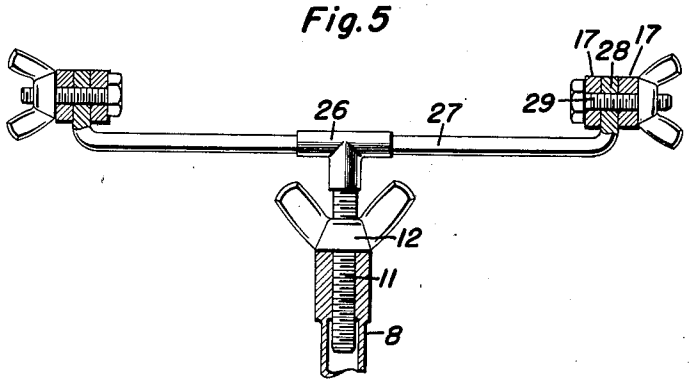


Fig. 5



William M. Eubanks Sr.
INVENTOR.

BY Clarence A. O'Brien and Harvey B. Jacobson
Attorneys

Patented Mar. 3, 1953 2,630,288

UNITED STATES PATENT OFFICE

2,630,288

ADJUSTABLE ARM AND LEG REST

William M. Eubanks, Sr., Augusta, Ga.

Application October 16, 1950, Serial No. 190,295

3 Claims. (Cl. 248—125)

1

The present invention relates to new and useful improvements in supports or rests adapted to hold either the leg or arm of a person in a desired adjusted position and is designed primarily for use by invalids or convalescents to support the weight of the leg or arm while healing.

An important object of the invention is to provide a portable support or rest of this character including a stand on which a sling is adjustable into a desired inclined position and to further construct the sling of upper and lower independently adjustable sections to support the several parts of an arm or leg in a desired adjusted position.

Another object of the invention is to provide a portable stand on which either a single or a double leg or arm supporting sling may be interchangeably mounted in a desired adjusted position.

A still further object is to provide a device of this character of simple and practical construction, which is efficient and dependable in use, neat and attractive in appearance, 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 showing a single arm or leg supporting sling supported on the stand;

Figure 2 is an enlarged transverse sectional view of the sling taken on a line 2—2 of Figure 1;

Figure 3 is a fragmentary enlarged vertical sectional view of the adjustable connector for the sling taken on a line 3—3 of Figure 1;

Figure 4 is a perspective view showing a pair of the leg or arm supporting slings mounted on the stand; and

Figure 5 is a sectional view taken on a line 5—5 of Figure 4.

Referring now to the drawings in detail wherein for the purpose of illustration I have disclosed a preferred embodiment of the invention, the numeral 5 designates the stand generally and which comprises a ring 6 forming a base having spokes 7 connecting the ring to the lower end of an upstanding hollow post 8 at the center of the ring. Inclined braces 9 extend from the upper portion of the post to the ring.

The parts of the stand 5 identified above are preferably constructed of lightweight metal and

2

welded or otherwise rigidly secured to each other.

The upper end of post 8 is internally threaded as shown at 10 to receive a screw 11 secured in a vertically adjusted position above the post by a wing nut 12.

An eye 13 is formed with an internally threaded socket 14 at its lower end for threading on the upper end of screw 11 and a bolt 15 and wing nut 16 is supported in the eye 13 and on which a pair of eyes 17 are mounted at opposite sides of the eye 13.

The eyes 17 are formed as a part of sling designated generally at 18 composed of upper and lower frames 19 and 20, frame 19 being of substantially U-shaped construction and frame 20 including a pair of spaced parallel side rails 21 to the upper ends of which the ends of frame 19 are secured in swingably adjusted position by a bolt and wing nut 22 for the vertical adjustment of upper frame 19 with respect to lower frame 20.

The lower ends of side rails 21 are formed with a pair of upwardly inclined arms 23 converging at their upper end and united with each other substantially in the form of a V and to the united ends of which the eyes 17 are cast or otherwise suitably carried.

The upper end of upper frame 19 is provided with a downwardly curved cross bar 24 and a canvas or other fabric envelope 15 is sleeved over the upper end of frames 19 and 20 to form the web of the sling.

When it is desired to support a pair of the arm or leg rests on the stand 5, the eye 13 is removed and a T fitting 26 is threaded on the upper end of screw 11. A rod 27 is supported in T 26 and the ends of the rod are formed with upstanding eyes 28 and on which the eyes 17 carried by the arms 23 of the front frame 20 are supported by bolt and wing nut 29.

In the operation of the device the sling 18 is secured in a desired vertically tilted position at the upper end of screw 11 of stand 5 and a leg or forearm may be supported in the web 25 of front frame 20 while the upper end of the leg or arm is supported on the web of the rear frame 19. The rear frame 19 may be tilted with respect to the front frame 20 to support the parts of the leg or arm at a desired position.

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 support of the class described comprising a stand, and a sling supported on the stand and including a frame composed of inner and outer pairs of parallel bars, means pivotally connecting the adjacent ends of the bars to each other for vertical swinging adjustment of the outer bars, a fabric web supported on the frame, a pair of supporting arms each having one end united with and underlying the inner pair of bars at an acute angle with respect thereto, said arms converging at their other ends, and means pivotally connecting the converging ends of the arms to the stand for vertical swinging adjustment of the frame.

2. A support of the class described comprising a stand including an annular base, a post rising from the center of the base, a vertical adjusting screw at the upper end of the post, an eye at the upper end of the screw, a V-shaped arm having an eye at its converging end aligned with the first named eye, a pin pivotally connecting said eyes to each other, a pair of bars united with the diverging end portions of said arm, said bars overlying the arm at an acute angle with respect thereto, a U-shaped frame pivoted to the outer ends of said bars for vertical swinging adjustment of the frame, and a flexible web supported on said bars and frame.

3. A support of the class described comprising a stand including a base having a post rising therefrom, a horizontal bar, means connecting the central portion of the bar on the upper end of the post, eyes at the ends of the bar, and a pair of slings rockably supported on said eyes in spaced parallel relation to each other, and each including inner and outer pairs of bars, a pair of arms connected to each other in V-shaped arrangement and connected at their diverging end portions at an acute angle to one of said inner pairs of bars and pivotally connected at their converging end portions to one of said eyes, means pivotally connecting the adjacent ends of the inner and outer pairs of bars to each other for vertical swinging movement of one pair relative to the other, and a fabric web on said inner and outer pairs of bars.

WILLIAM M. EUBANKS, SR.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
618,069	Drake	Jan. 24, 1899
1,964,930	Aiebrandt	July 3, 1934
2,458,950	Lugardo	Jan. 11, 1949
2,459,033	Kraus	Jan. 11, 1949