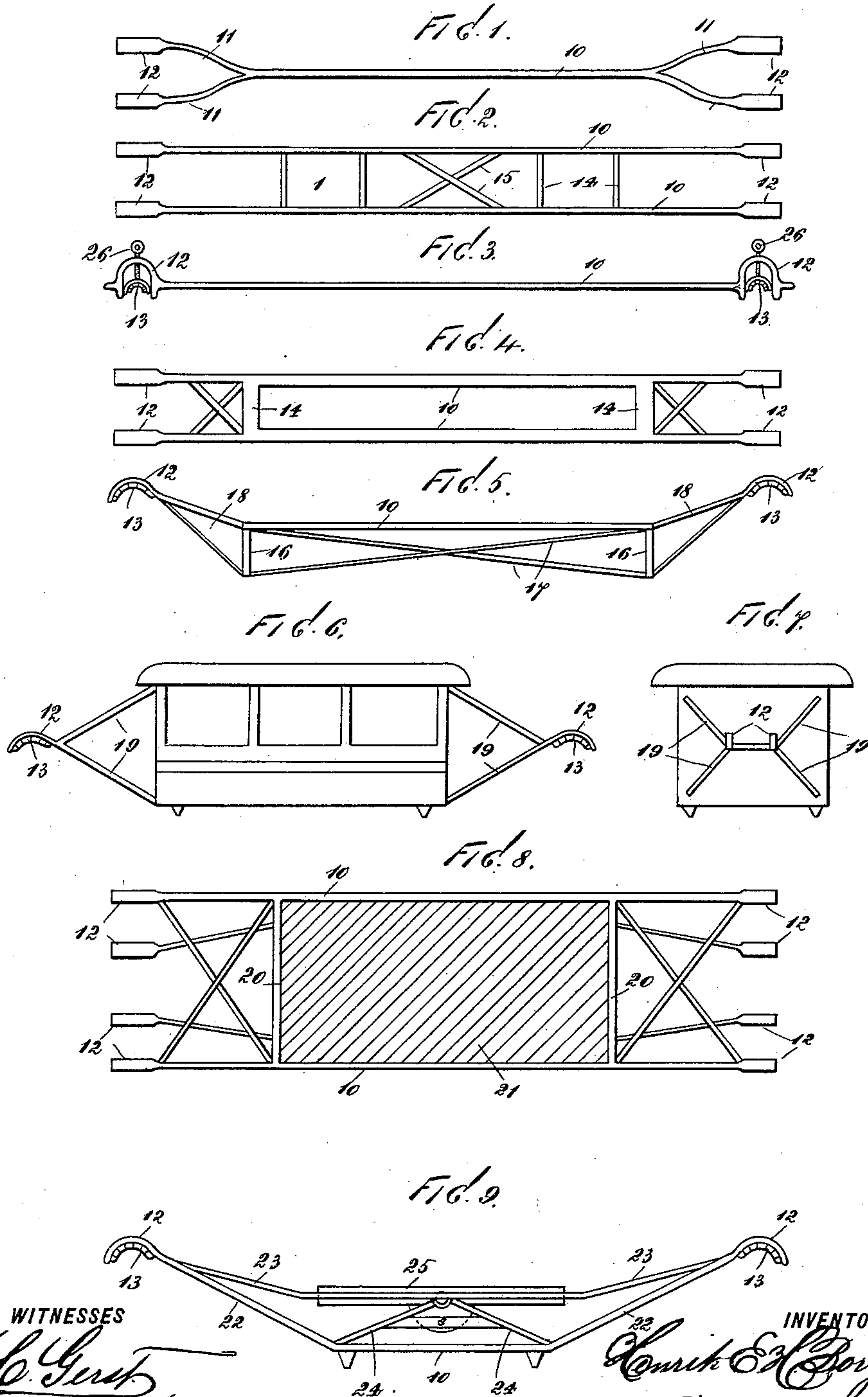


(No Model.)

H. E. H. BORGSTRÖM.
CARRYING FRAME.

No. 605,993.

Patented June 21, 1898.



WITNESSES

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HENRIK EMIL HERBERT BORGSTRÖM, OF HELSINGFORS, RUSSIA.

CARRYING-FRAME.

SPECIFICATION forming part of Letters Patent No. 605,993, dated June 21, 1898.

Application filed February 12, 1897. Renewed April 26, 1898. Serial No. 678,911. (No model.)

To all whom it may concern:

Be it known that I, HENRIK EMIL HERBERT BORGSTRÖM, a subject of the Grand Duke of Finland, and a resident of Helsingfors, in the Province of Nyland, Grand Duchy of Finland, Empire of Russia, have invented certain new and useful Improvements in Carrying-Frames, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar numerals of reference indicate corresponding parts.

This invention relates to carrying devices, consisting of a rod, bar, or pole which is adapted to support or to which may be suspended palanquins, litters, hammocks, sedan-chairs, or canvas chairs, which lengthen and shorten at the will of the occupant, and any other article or load which it is desired to carry, and said rod, bar, or pole is forked or bifurcated at each end, so as to form two shoulder-pieces, one of which is adapted to rest on each shoulder, said shoulder-pieces being yoke-shaped or otherwise formed, so as to conform to the shape of the shoulders of the bearers, said shoulder pieces or yokes being also provided with pads on their under sides or surfaces, or in place of one rod, bar, or pole I may employ two, from which the article or load to be carried will be suspended, and in this event each of said rods; bars, or poles will be provided at each end with one of the yoke-shaped or curved shoulder-pieces above described, one of which is adapted to rest on each shoulder.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by the same numerals of reference throughout the several views, and in which—

Figure 1 is a plan view of a single rod, bar, or pole provided with forked or bifurcated ends which are adapted to rest on each shoulder, said forked or bifurcated ends being provided with my yoke-shaped or curved shoulder devices; Fig. 2, a plan view of two carrying rods, bars, or poles made according to my invention; Fig. 3, a side view thereof; Fig. 4, a plan view showing the application of my invention to stretchers; Fig. 5, a side

view thereof; Fig. 6, a side view showing the application of my invention to sedan-chairs; Fig. 7, an end view thereof; Fig. 8, a plan view of a modified form of construction adapted for more than two bearers, and Fig. 9 a side view showing the combination of my invention with a support connected therewith and adapted to continuously maintain a horizontal position.

In the practice of my invention, reference being made to Fig. 1, I provide a carrying rod, bar, or pole 10, from which any desired article or rod may be suspended, and said rod, bar, or pole is bifurcated or forked at each end, so as to form arms 11, each of which is provided with a yoke-shaped end piece 12, the form of which is shown in Figs. 3, 5, 6, and 9, and these yoke-shaped end pieces are so formed as to conform to the shape of the shoulders and are provided on their under surfaces with pads 13, which are similarly shaped.

In Figs. 2 and 3 I have shown two of the rods, bars, or poles 10, which are connected by cross rods or bars 14 and 15, and the end of each is provided with the yoke-shaped shoulder-piece 12, as above described, and this form of device may be used by two or more carriers.

In Figs. 4 and 5 I have shown my improvement applied to stretchers, Fig. 4 being a plan view and Fig. 5 a side view thereof, and any suitable frame may be employed for this purpose; but in practice I prefer that shown in which the side bars 10 are connected by the cross-bars 14 and provided at each end with depending frames or legs 16 and side braces or cross-bars 17, and the end pieces, with which the shoulder-yokes 12 are connected, are carried or inclined upwardly, as shown at 18.

In Figs. 6 and 7 I have shown my improvement applied to a sedan-chair or similar article, Fig. 6 being a side view and Fig. 7 an end view, and in this application of the invention the shoulder-yokes are connected with the ends of the chair by rods or braces 19.

In Fig. 8 I have shown a modified form of construction wherein my invention is adapted to a plurality of bearers, and in this case the side bars 10 are connected by cross-bars 20, between which is any suitable frame 21, on which the load to be carried is placed, and at

the ends thereof are the shoulder-yokes 12, the form of construction shown in this figure being adapted for use by four carriers, while in Fig. 9 I have shown my invention applied to a support 25, which is pivotally connected therewith and adapted to be maintained in a horizontal position at all times. In this form of construction the shoulder-yokes 12 are connected with or formed on side bars 22, which are provided with brace-rods 23, and the said side bars 22 and brace-rods 23 are connected by any suitable side frames, consisting of rods 24, and between these side frames is pivoted the support 25, which may be provided with any desired means for holding it in a horizontal position at all times.

The segmental or semicircular bearings 13 may be formed in any desired manner and may be secured within the yoke-shaped shoulder-pieces 12 by any desired means; but I prefer to connect them with said yoke-shaped shoulder-pieces 12 by means of set-screws 26, as shown in Fig. 3, whereby the segmental or semicircular pads or bearings 13 may be made adjustable. These pads may be made of any desired material—such as leather, cloth, or other material—and may be filled in with cotton, wool, hair, or any preferred substances, and in practice they should be so made as to conform to the shape of the shoulders, as should also the yoke-shaped shoulder-pieces 12.

Having fully described my invention, I

claim as new and desire to secure by Letters Patent—

1. A carrying-frame provided at each end with two or more projecting rods or bars, said rods or bars being each provided at their outer ends with curved or yoke-shaped shoulder-pieces, said shoulder-pieces being provided with adjustable pads on their under sides or surfaces, which are also curved or yoke-shaped in form, substantially as shown and described.

2. The combination with a carrying-frame, of projecting rods or bars connected with the ends thereof, each of said rods or bars being provided with yoke-shaped shoulder-pieces, and semicircular or segmental pads, substantially as shown and described.

3. The combination with a carrying device, from which a load of any kind may be suspended, or to which a load may be attached or secured, of a plurality of shoulder-pieces at each end thereof, said shoulder-pieces being curved or yoke-shaped in form, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 21st day of January, 1897.

HENRIK EMIL HERBERT BORGSTRÖM.

Witnesses:

ARTUR KYRKLUND,
A. J. OLIN.