

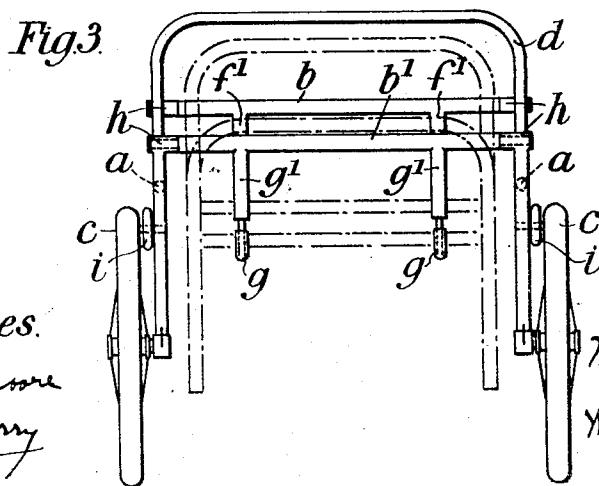
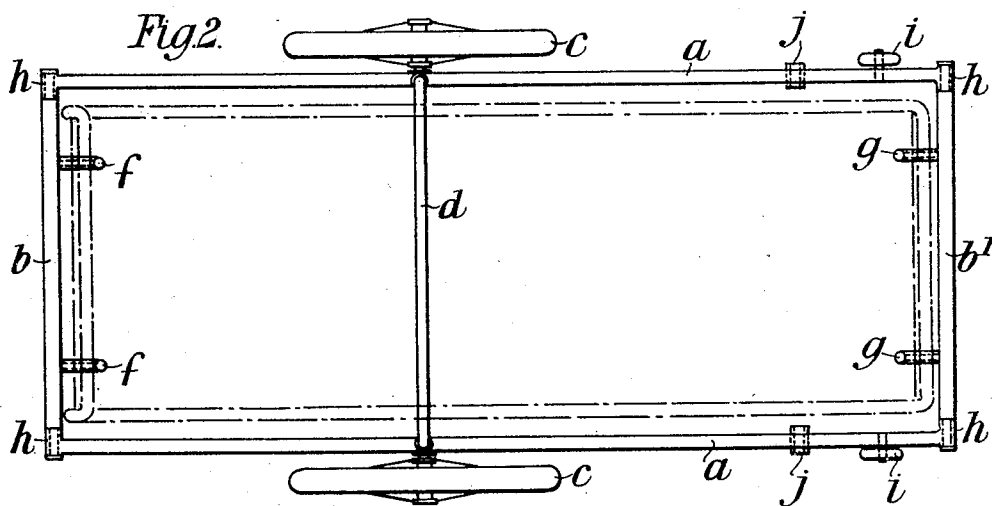
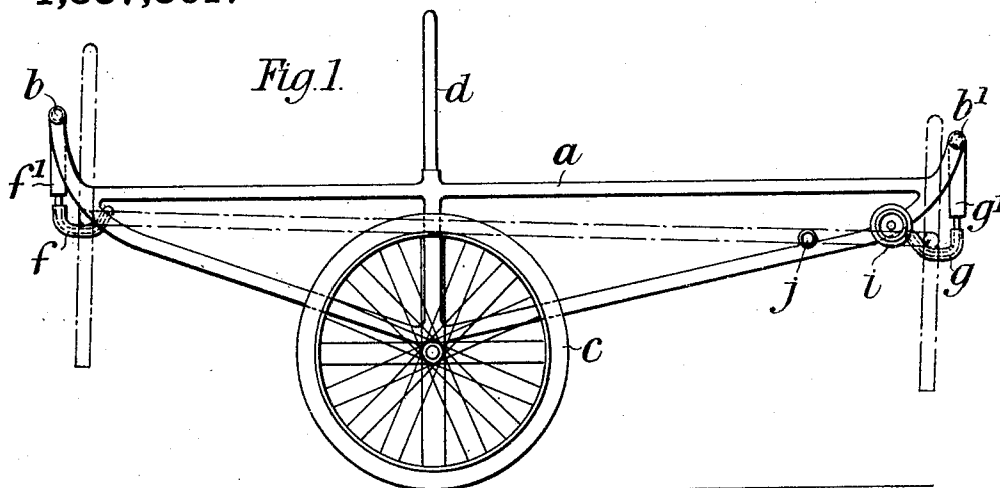
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APPARATUS FOR TRANSFERRING BEDSTEADS AND OCCUPANTS FROM PLACE TO PLACE.

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1,337,861.

Patented Apr. 20, 1920.



Witnesses.

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UNITED STATES PATENT OFFICE.

MAGNUS VOLK, OF BRIGHTON, ENGLAND.

APPARATUS FOR TRANSFERRING BEDSTEADS AND OCCUPANTS FROM PLACE TO PLACE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, MAGNUS VOLK, a subject of the King of Great Britain, residing at 38 Dyke road, Brighton, England, have invented a new and useful Apparatus for Transferring Bedsteads and Occupants from Place to Place, of which the following is a specification.

My invention relates to apparatus primarily intended for use in hospitals, for enabling bedsteads with their occupants to be readily transported from one place to another, as for instance, from a ward to the open air, with a minimum of labor.

My improved transporting apparatus comprises a frame of dimensions somewhat greater than those of the bedsteads to be lifted, the said frame having hooks designed to be engaged with the bedstead and being mounted upon wheels upon which the frame can be propelled, the said wheels being carried on stub axles outside the frame.

My invention will be readily understood by reference to the accompanying drawing, in which:—

Figure 1 is a side elevation of my improved apparatus indicating in dotted lines a bedstead supported thereon.

Fig. 2 is a plan, and

Fig. 3 is an end elevation of the same.

The frame comprises two side bars *a, a* formed of iron or steel tubing or the like, and preferably trussed as shown in the drawing, and two end bars *b, b*¹. The axles for the traveling wheels *c, c* are secured to the trusses of the side bars *a, a* and in order to afford lateral rigidity to the said bars, they are advantageously connected by a detachable arched-stay *d* of sufficient height to pass over the ends of the bedstead as the carrier or transporter is moved into position. *f, f* and *g, g* are hooks suspended from the end bars *b, b*¹ respectively of the frame, and which are designed to engage with the bedstead. These hooks may be pivotally supported upon the said bars *b, b*¹, but, in practice, I find it advantageous to support the said hooks on springs in sockets *f*¹, *g*¹ which form part of the said bars and to pivot the latter in sockets *h, h* in the ends of the bars *a, a* as clearly shown in the drawing.

In using my improved transporter it is wheeled up to, say, the foot of the bedstead in an inclined position and then pushed so that the hooks *f, f* on the bar *b* will pass

over the head of the bedstead, the other end of the frame is then lifted so that the hooks *f, f* are lowered into a position in which they can be engaged with the back bar of the bedstead frame: the end of the frame carrying the hooks *g, g* is then depressed, which action at the same time lifts the head of the bedstead, until the hooks *g, g* can be engaged with the bar at the foot of the bedstead; the frame, with the bedstead supported thereby is then suspended by the hooks inside the frame and can be moved with great facility. To facilitate the handling of the transporter I advantageously place the wheels *c* slightly out of the center of the length of the transporter frame so that one end of the said frame projects beyond the wheel axis to a greater extent than the other end.

i, i indicate small rubber tired wheels which, when the transporter is not in use, rest on the floor. *j, j*, Figs. 1 and 2, indicate sockets which are sometimes applied to the said bars *a, a* of the transporter frame and which serve to carry the rod upon which one end of a stretcher can rest, the other end of the stretcher being supported by the hooks on the end bar *b*.

A great advantage of my improved construction is that there is no through axle to pass beneath the bedstead, so that the apparatus can be placed in position much more readily than when such a through axle is employed, and, furthermore, the sinking of the mattress owing to the weight of the person upon it, does not interfere with the free use of the carrier. As the carrier is mounted upon two wheels it is capable of being manipulated in a limited space and in very cramped positions.

Claims.

1. A bed carrying truck comprising a frame including side bars connected by end bars, wheels arranged at opposite sides of the frame and mounted on stub axles extending from the frame, the space between the stub axles being unobstructed below the axis of the wheels, and means carried by the frame and adapted to detachably engage the end bars of a bed.

2. A truck of the kind defined by claim 1 having means adapted to detachably engage and support a bar which may be used in carrying a stretcher.

3. A bed carrying truck comprising a frame provided at its ends with hooks adapted to detachably engage and support

the end bars of a bed, stub axles fixed to the frame intermediate its ends, and wheels mounted on said axles, the space between the stub axles being unobstructed below the axis of the wheels.

4. A bed carrying truck comprising a frame including side bars connected together by end bars and an inverted U-shaped member extending between the side bars and connected to intermediate portions of the same, stub axles connected to the ends of the U-shaped bar, wheels mounted on said axles, the space between the stub axles being unobstructed below the axis of the wheels, and means carried by the frame for detachably engaging and supporting a bed.

5. A truck of the kind defined by claim 4 in which the last named means includes pivotally mounted hooks suspended from the end bars of the frame.

6. A bed supporting and carrying truck

comprising an open substantially rectangular frame of a size to surround a bed and including side bars connected together at their ends by end bars, an inverted U-shaped member extending across the frame intermediate its ends, stub axles secured to the lower ends of the U-shaped member, supporting wheels mounted on said axles, the space between the stub axles being unobstructed below the axis of the wheels and hooks pivotally connected to the frame and adapted to detachably engage and support a bed, said U-shaped member extending to a height sufficient to permit the same to pass over a bed when the wheels are moved along the sides of said bed.

7. A truck of the kind defined in claim 6 in which the frame carries sockets adapted to receive a bar used in supporting a stretcher.

MAGNUS VOLK.