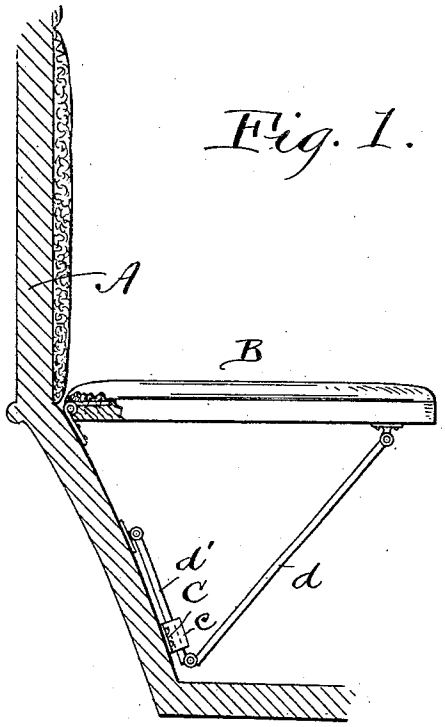
J. P. L. WILSON.

AMBULANCE.

APPLICATION FILED JULY 29, 1907.

940,104. Patented Nov. 16, 1909.

Fig. 1.



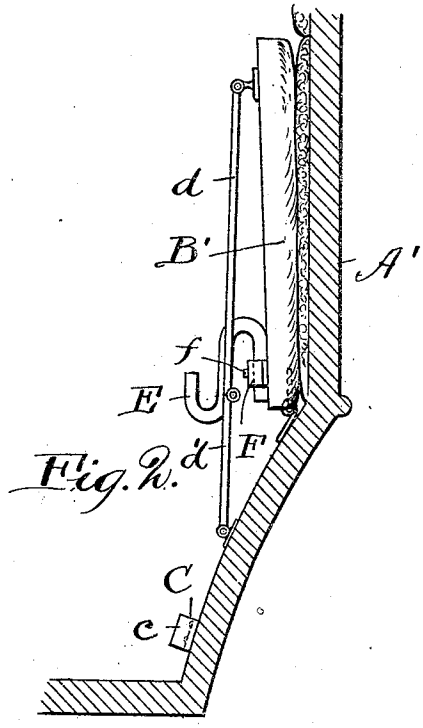


Fig. 2.

Fig. 4.

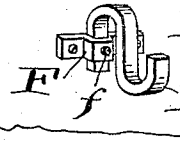
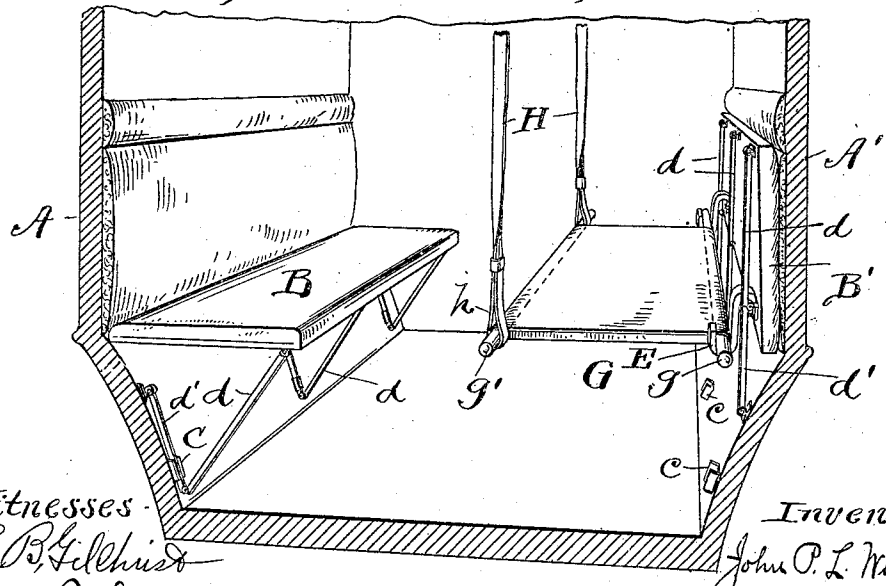


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

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AMBULANCE.

940,104. Specification of Letters Patent. **Patented Nov. 16, 1909.**

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To all whom it may concern:

Be it known that I, JOHN P. L. WILSON, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Improvement in Ambulances, of which the following is a full, clear, and exact description.

This invention relates to certain improvements in ambulances whereby seats or stretchers, or both, may be made quickly available for the use of invalids or injured persons when required.

In the drawing, Figure 1 is a sectional rear view of one side of an ambulance body when the seat hinged thereto is in the position for use as such. Fig. 2 is a similar view of the other side of said ambulance body when the seat is turned up. Fig. 3 is a sectional rear perspective view of an ambulance body equipped with the invention. Fig. 4 is a perspective detail of one of the stretcher supporting hooks.

In the drawing, A, A′ represent the two sides of an ambulance body.

B, B′ represent seats which run lengthwise of the body and are hinged to the sides respectively. Beneath the seats, the sides are preferably inclined inward, as shown. Several toggles are employed in connection with each seat. Each toggle includes a long link *d*, which is pivoted to the under side of the seat near its front edge, and a short link *d′* which is pivoted to the inwardly inclined side of the ambulance beneath the seat,—the two links being pivoted together in a familiar way which prevents the joint from swinging more than a very little past the center when the toggle is straightened. A rest plate C is associated with each toggle and is secured to the side of the ambulance in such position that, when the seat is in the horizontal position, the link *d′*, near the joint, rests against this plate and between the two side flanges *c*, *c*, thereof. Obviously, the seat will be firmly supported in the horizontal position by these toggles.

When the seat is turned up to the position shown, the toggle will be straightened, and the joint will be moved a trifle past the center. Because of the inward inclination of the ambulance side below the seat the pivotal connection of the link with said side may be placed so as to make this action possible. It is quite evident that when the toggle is in the position referred to, as shown in Fig. 2 and at the right side of Fig. 3, the seat is held up in such way that it cannot be swung back into horizontal position, by any power applied to it, until the toggle is bent.

On the under side of each seat, near its hinge axis, are two hooks E, which are provided for receiving and supporting one of the side bars *g* of a stretcher G. These hooks are preferably S-shaped pieces of iron, of which one leg is fitted in a socket between a strap F and the seat to which the strap is fastened. A set bolt *f* may hold the hook in the required position. Flexible suspenders H, which depend from some elevated support have loops *h* on their lower ends for engaging with the ends of the outer side bar *g′* on the stretcher to uphold it.

It is obvious that both seats may be lowered so that a large number of invalids, capable of sitting up, may be carried in the ambulance. Or either, or both of said seats may be raised, and either one or two stretchers for carrying invalids, incapable of sitting up, may be supported in the manner shown.

Having described my invention, I claim:

1. In an ambulance, the combination of a seat hinged to the side thereof, and a toggle whose links are respectively pivoted to the under side of the seat and to the side of the ambulance under said seat, said toggle links being of such length that when the seat is in a horizontal position the toggle link hinged to the side will be stopped by engagement with said side.

2. In an ambulance, the combination of a seat hinged to the side thereof, a toggle whose links are respectively pivoted to the under side of the seat and to the side of the ambulance under said seat, and a flanged rest-plate secured to the side of the ambulance for engagement, when the seat is in horizontal position, with that toggle link which is pivoted to the ambulance side.

3. In an ambulance, the combination of a seat hinged to the side thereof, a toggle whose links are respectively pivoted to the under side of the seat and to the ambulance side under the seat,—the said ambulance side under the seat being inclined inward, and the two links being of such length, substantially as described that when the seat is swung upward the toggle will be straightened out.

In testimony whereof, I hereunto affix my signature in the presence of two witnesses.

JNO. P. L. WILSON.

Witnesses:
E. B. GILCHRIST,
H. R. SULLIVAN.