

J. LINXWEILER.
SUPPORT FOR STRETCHERS.
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932,479.

Patented Aug. 31, 1909.

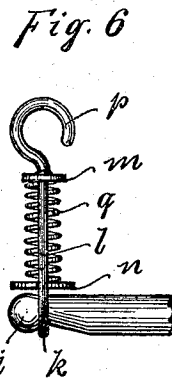
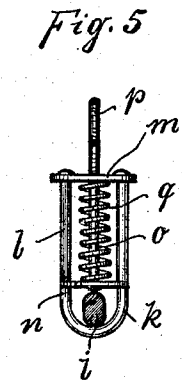
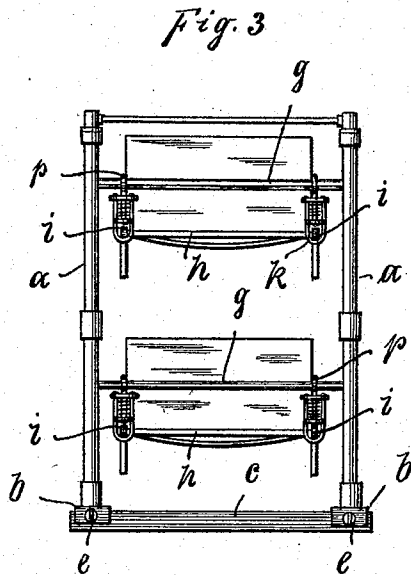
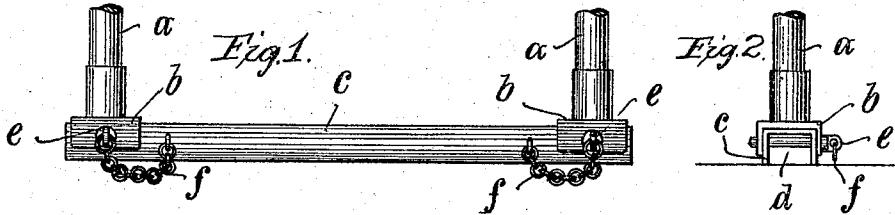
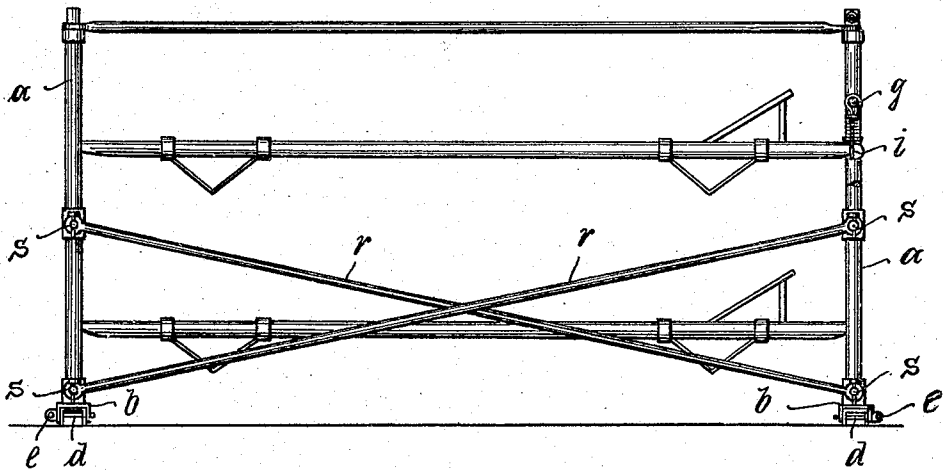


Fig. 4



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UNITED STATES PATENT OFFICE.

JOHANN LINXWEILER, OF BAD KISSINGEN, GERMANY.

SUPPORT FOR STRETCHERS.

932,479.

Specification of Letters Patent.

Patented Aug. 31, 1909.

Application filed February 15, 1909. Serial No. 478,108.

To all whom it may concern:

Be it known that I, JOHANN LINXWEILER, whose post-office address is No. 1 Obere Saline, at Bad Kissingen, Bavaria, Germany, have invented certain new and useful Improvements in Supports for Stretchers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to apparatus for the reception of wounded and invalids, for the purpose of transporting them in open or closed railway carriages, or for keeping them in the open.

One embodiment of the improvements of this invention is illustrated in the accompanying drawings in which—

Figure 1 is a front elevation and Fig. 2 is a side elevation of the mounting of the columns of the improved apparatus. Fig. 3 is a front elevation of the entire apparatus. Fig. 4 is a side elevation thereof. Fig. 5 is a view of the method of suspension of the bearers of the stretchers on cross-bars of the framing of the apparatus. Fig. 6 is a view at right angles to Fig. 5.

a are the columns of the apparatus; they are provided at their lower ends with clips *b*, which engage with a bar *c* of U-shape in cross-section. The bar *c*, is adapted to rest on the floor of a railway carriage, or on the ground, and serves to support a pair of columns *a*. As shown in Figs. 3 and 4, four columns *a* are provided with two corresponding bars *c*, so that a pair of columns are supported by a common bar at the head end of the apparatus and a similar pair of columns are supported by a common bar at the foot end of the apparatus. Each clip *b* of a column *a*, is fastened on its corresponding bar *c*, by means of a pin *d* that passes through the sides of the clip *b* and the bar *c*, and is attached by its head *e* by means of a chain *f*, to the outer side of the bar *c*, in such a manner that the pin can be readily drawn out.

Between every two columns *a*, there extend two cross-bars *g* which are arranged one above the other, and which serve as a means of suspension of the stretchers *h*, carrying the invalids. For this purpose the bearers *i* of the stretchers *h*, are mounted in

loops *k*, the limbs *l*, of which are connected together at their upper ends by means of a cross-piece *m*. The limbs *l* also serve as guides for the movable cross-piece *n*. A rod *o*, is fixed to the movable cross-piece *n*, and is formed at its upper end in the shape of a hook *p*. The bar *o*, is passed through the cross-piece *m*, and is encircled by a spiral spring *q*, which acts at one end against the crosspiece *m*, and on its opposite end against the crosspiece *n*.

The weight of the invalid stretcher *h* is transmitted by means of the bearers *i* to the loops *k*, which are thereby drawn down so as to compress the spring *q*. In this manner the weight of the invalid is supported elastically. The hooks *p* are hooked over the cross-bars *g*, and they can be readily removed therefrom.

The two columns of each pair of columns situated at the head and at the foot of the apparatus, are connected together by means of crossing stays or struts *r*, as shown in Fig. 4. The stays *r* are detachably connected at *s* to the columns *a*.

What I claim and desire to secure by Letters Patent is:

1. In apparatus for the reception of invalids and wounded in railway carriages and in the open, the combination of a plurality of columns arranged at the corners of a rectangle, a transverse bar of U-section supporting two columns at the head end of the apparatus, a similar transverse bar supporting two columns at the foot end of the apparatus, a clip provided on the lower end of each column and engaging the supporting transverse bar of that column, and a pin for fastening each clip in a removable manner on its transverse supporting bar, substantially as set forth.

2. In apparatus for the reception of invalids and wounded in railway carriages and in the open, the combination of a plurality of columns arranged at the corners of a rectangle, a transverse bar of U-section supporting two columns at the head end of the apparatus, a similar transverse bar supporting two columns at the foot of the apparatus, a clip provided on the lower end of each column and engaging the supporting transverse bar of that column, and a pin for fastening each clip in a removable manner on its trans-

verse supporting bar, cross-bars connecting
the columns at the head end of the appara-
tus, cross bars connecting the columns at the
foot end of the apparatus, hooks engaging
5 said cross-bars, springs carried by said
hooks, and loops supported by said springs
for receiving the ends of the bearers of the
invalid stretchers, whereby the weight of the

invalid on the stretcher is borne elastically,
substantially as set forth. 10

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

JOHANN LINXWEILER.

Witnesses:

ALEXANDER WIELE,
MAX SCHNEIDER.