

A new or improved convertible canopied chair / [Frank Pugh].

Contributors

Pugh, Frank.
George, Albert William.

Publication/Creation

Redhill : Printed for His Majesty's Stationery Office by Love & Malcomson, Ltd, 1904.

Persistent URL

<https://wellcomecollection.org/works/vkqjf6nz>

License and attribution

This work has been identified as being free of known restrictions under copyright law, including all related and neighbouring rights and is being made available under the Creative Commons, Public Domain Mark.

You can copy, modify, distribute and perform the work, even for commercial purposes, without asking permission.

**wellcome
collection**

Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>



Date of Application, 5th Nov., 1904—Accepted, 15th Dec., 1904

COMPLETE SPECIFICATION.

A New or Improved Convertible Canopied Chair.

We, FRANK PUGH, of 31 Gerrard-street, London, W., Tailor, and ALBERT WILLIAM GEORGE, of 141 Prince of Wales-road, Haverstock Hill, London, N., Upholsterer, do hereby declare the nature of this invention and in what manner the same is to be performed to be particularly described and ascertained in and
5 by the following statement:—

Our invention relates to a new or improved canopied untiltable chair that is easily convertible either into a couch or bed, or into an ambulance stretcher, or that can be compactly folded to facilitate the storage or transport thereof.

Our said invention is hereinafter described with reference to the accompany-
10 ing drawings, which illustrate an example of apparatus in accordance therewith.

Figs. 1 to 3 of these drawings are views showing the apparatus respectively arranged as a canopied chair, a couch or bed, and an ambulance stretcher, Fig. 4 is a similar view showing the apparatus folded for transport or storage; and Fig. 5 is a diagrammatic view showing more clearly the relations between
15 its component parts.

The convertible chair illustrated in the drawings comprises a web 1; a pair of side frames each consisting of a horizontal bar 2 to which there is hinged at 3 and 4 respectively a front support 5 and a rear support 6; an inner frame that can be arranged either horizontally as shown in Figs. 2 to 4, or in an
20 inclined position as shown in Fig. 1, and that consists of a pair of bars 7 that are pivotally secured at 8 to the bars 2 and are joined together by a tie 9; bars 10 that are secured at 11 by means of hinges to the bars 7, and that, as shown in Fig. 1, are adapted to assume an approximately horizontal position so as to support a canopy; bars 12 that are pivoted at 13 to the bars 10 and
25 can be connected to the bars 7 by means of pins that enter holes at 14 in the bars 7 and 12—(Fig. 1); a removable bar 15 that, when the apparatus is arranged as a chair, supports the rear of the canopy, forming portion 16 of the web 1; and a frame 17 that is pivoted at 18 to the bars 7, and is adapted to support these bars either in an inclined or in a horizontal position as herein-
30 after more fully described.

The web 1 of suitable textile fabrics, which in the accompanying drawings is shown in broken lines, and treated as though composed of transparent material, has its ends respectively attached to bars 19 and 20, the former of
35 which forms a portion of the front support 5, whilst the latter joins together the extremities of the bars 10. In the arrangement shown in Fig. 1 the web 1 is loosely suspended between the bars 15 and 19, whilst the bars 7 are adjustably supported in an inclined position by means of the frame 17, the lower corners of which engage in notches formed in the upper edges of pieces 21 secured to the inner faces of the bars 2. There may be provided in each of
40 the pieces 21 several notches to enable the inclination of the bars 7 to be varied. One of the pieces 21 is visible in Fig. 1.

When the apparatus is arranged as a bed or couch, the bars 7 and 10 are horizontal and the web 1 is in tension, the lower ends of the rods 12 being then connected at 22 with the rear support 6 and with the corners of the
45 frame 17 by means of pins that pass through the rods and the support, and engage holes in the said corners. The web 1 is under these circumstances

A New or Improved Convertible Canopied Chair.

stretched over the tie 9 which is brought approximately into alignment with the hinges at 3; and additional support is afforded to the bars 7 by means of pins at 23 and 24, by which the said bars can be connected with the bars 2. At the junction 11 of the bars 7 and 10 there may be provided bolts 11^a by which these bars may be more rigidly secured together whilst in a horizontal position. The pins which enter the holes already referred to at 14, 22, 23 and 24 are preferably secured to the apparatus, as by means of chains attached to eye bolts screwed into the apparatus in the vicinity of these holes. 5

The removable bar 15, besides serving as a support for the rear of the canopy (Fig. 1) maintains the tension of the web 1 when the apparatus is folded together; it is preferably provided with recesses or notches that engage with corresponding recesses or notches formed in the bars 10. The supports 5 and 6 may at their upper ends, in proximity to the hinges 3 and 4, be formed with tenons that enter mortises in the bars 2. 10

When the apparatus is to be used as an ambulance stretcher, the bars 10 are first temporarily upwardly inclined, whereby the tension of the web is somewhat relaxed, so as to allow the support 5 to be folded under the bars 2, and the bars 12 and the frame 17 are then secured at 22 to the supports 6 (as shewn in Fig. 3) in the same manner as when the apparatus is used as a couch or bed. 15

The apparatus can be very cheaply manufactured, and when folded for transport or storage it is very compact; the supports 5 and 6 and the frame 17 are then turned upward beneath the bars 2, the bars 10 are folded over the bars 2, the bars 12 are laid beside them, and the web is stretched over the bars 9 and 15. Except when in use as just described, or for supporting the canopy as already set forth, the bar 15 is laid aside. 20 25

The general arrangement of the components of our apparatus and the relations between its various dimensions are most clearly shown in the diagrammatic representation constituting Fig. 5 of the drawings; where in the bars 7, 10 and 12, and the frame 17 are shown both in the position corresponding to Fig. 1 and in that corresponding to Fig. 2. 30

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. A chair so constructed and arranged as to be convertible into either a bed or couch, or into an ambulance stretcher, and adapted to be compactly folded for transport or storage; substantially as hereinbefore set forth. 35
2. The improved convertible chair hereinbefore described with reference to, and shown in the accompanying drawings.

Dated this 3rd. day of Nov. 1904.

FRANK PUGH.
ALBERT W. GEORGE. 40



Fig. 1.

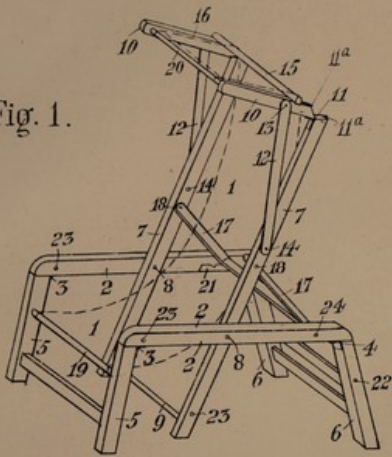


Fig. 2.

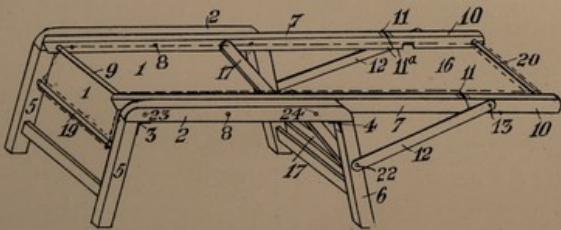


Fig. 3.

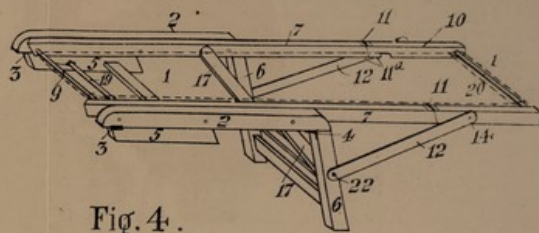


Fig. 4.

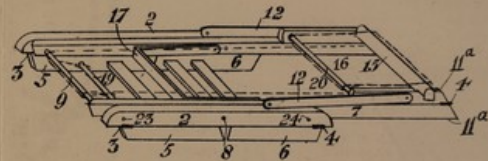
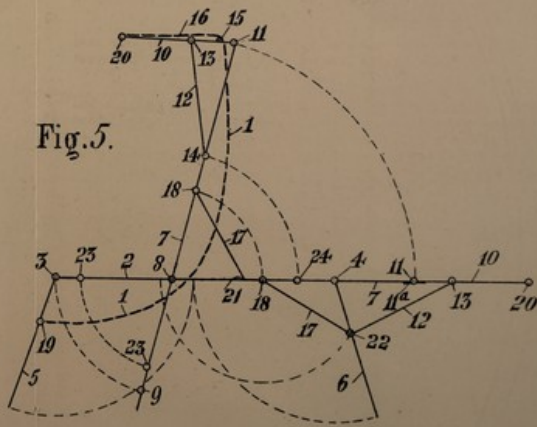


Fig. 5.



[This Drawing is a reproduction of the Original on a reduced scale.]

