Feb. 16, 1932. J. KARWOSKI 1,845,921

FOLDING CHAIR

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Fig. 1.

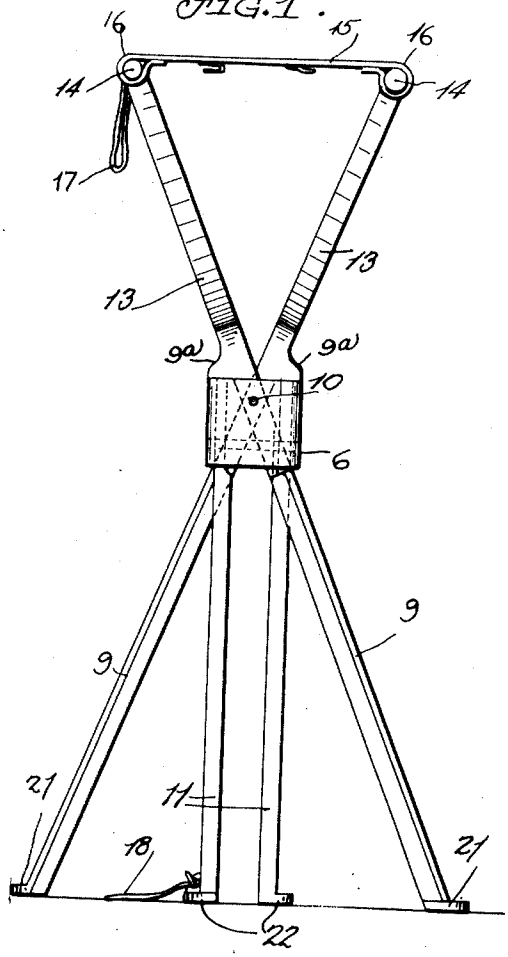


Fig. 2.

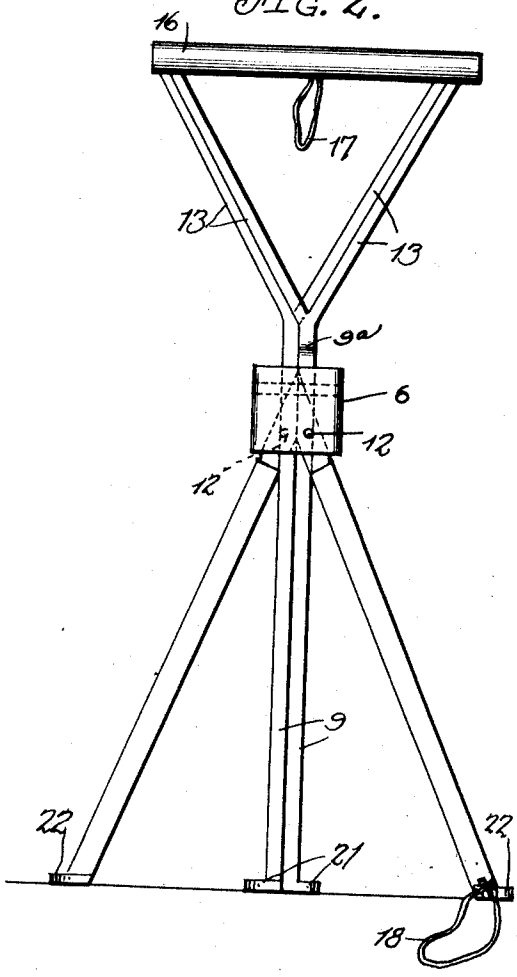


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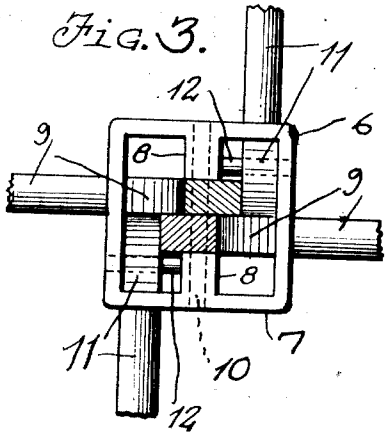
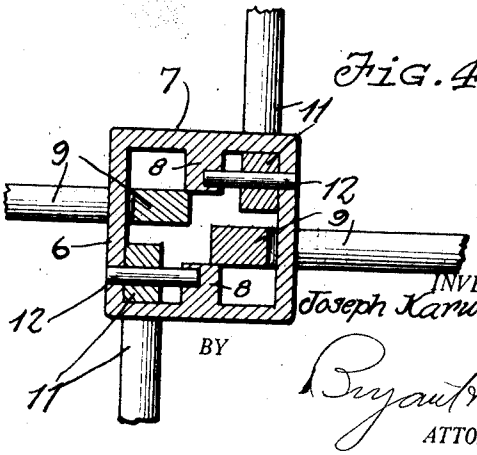


Fig. 4.



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Fig. 5.

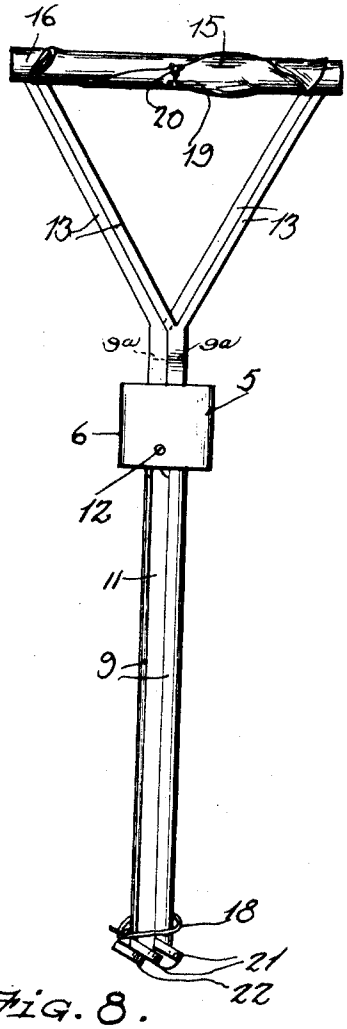


Fig. 6.

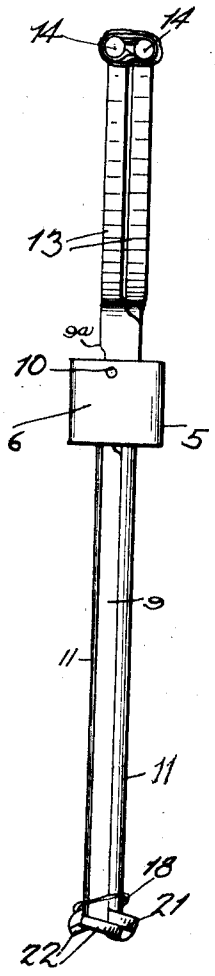


Fig. 7.

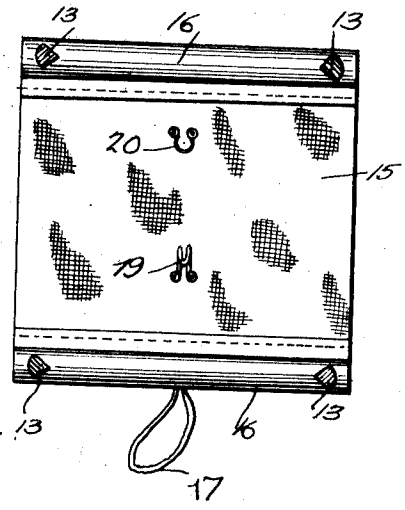


Fig. 8.

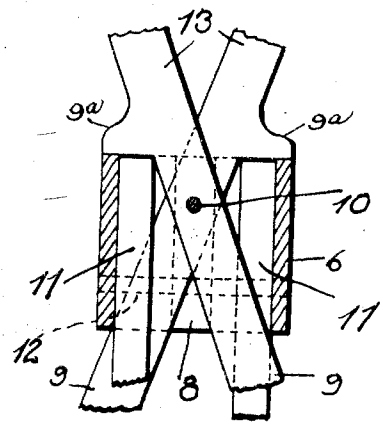


Fig. 9.

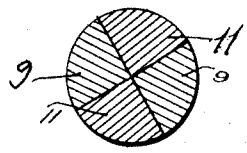
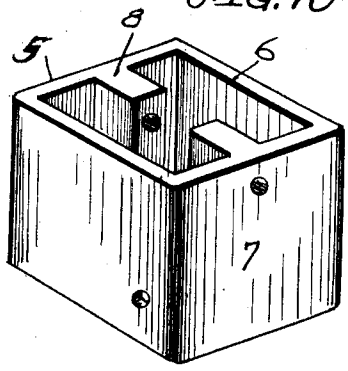


Fig. 10



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UNITED STATES PATENT OFFICE

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FOLDING CHAIR

Application filed July 5, 1929. Serial No. 376,178.

This invention relates to improvements in folding chairs.

The primary object of this invention is to provide a folding stool or chair which may be folded into an elongated position whereby a walking stick is formed which may be easily carried.

A further object of this invention is to provide a folding stool having a flexible seat adapted to be wrapped and fastened into a compact position about the supports.

A still further object of this invention is to provide a device of the above mentioned character which may quickly be folded and unfolded with ease and simplicity.

A still further object of this invention is to provide a device of the above mentioned character which may be manufactured and produced at a small cost due to the simplicity in construction and small number of parts.

Other objects and advantages of this invention will become apparent during the course of the following description, in which,

Figure 1 is a front elevational view showing the folding stool in its operative position with the legs in their extended position;

Figure 2 is a side elevational view of the invention showing the legs with the integral seat portion and the pair of pivoted legs in their relation to the crossed legs;

Figure 3 is a plan view of the joint or connector for supporting the pivoted legs;

Figure 4 is a transverse cross-sectional view through the connector showing the pivot pins for the pivoted legs;

Figure 5 is a vertical side elevational view of the invention in its folded position;

Figure 6 is a vertical front elevational view of the same showing the manner of folding the flexible seat;

Figure 7 is a bottom plan view of the flexible seat showing the fastening means for securing the flexible seat in its compacted position;

Figure 8 is a longitudinal cross-sectional view through the joining block showing the manner of supporting the cross-legs relative to the pair of hinged legs;

Figure 9 is a cross-sectional view through the supporting legs showing the hinged legs and crossed legs in their folded position, and

Figure 10 is a perspective view of the connector block showing the longitudinal ribs for supporting the crossed legs and the hinged legs.

In the drawings, there is illustrated a rectangular connector block 5, having side walls 6 and end walls 7. The opposite end walls 7 are provided on their inner faces with oppositely positioned vertical ribs 8.

Hingedly secured to the connector block 5 is a pair of crossed legs 9 by means of a pivot pin 10, having its ends journaled in opposite faces of the longitudinally extending ribs 8. It is to be noted that the crossed legs 9 are associated with the connector block 5 in a manner to provide clearance for the mounting of a pair of hinged legs 11, to be hingedly connected to the lower portion of the connector block 5 and extend downwardly on opposite sides of the crossed legs.

The hinged legs 11 are of the same sector shape in cross-section as the crossed legs below the block 5 as shown in Fig. 9 and are hinged to the inside of the block 5 between the side walls 6 and the longitudinal ribs 8 by means of a pair of pivot pins 12, extending through the upper end of each hinged leg and having their ends journaled in the side walls 6 and the complementary faces of the longitudinal ribs 8. The legs 9 at points above the block 5 are shouldered at their outer edges as at 9*a* with the shouldered portions of the legs being movable into engagement with the upper end of the block 5 for limiting opening movement of the legs as shown in Figure 8.

The upper portion of the crossed legs 9 are bifurcated as at 13, for supporting a pair of cross rods 14, which are mounted at the upper portion of each furcation thereby joining the ends for supporting a flexible seat 15. At each end of the flexible seat 15 is formed a looped portion 16 adapted to encircle the supporting rods 14. It will be clearly evident that by spreading the forked portions 13 of the crossed legs 9 the flexible seat 15 will be drawn tight for effecting a comfortable chair seat.

Straps 17 and 18 may be provided at the

upper portion of the crossed legs and lower portions respectively for fastening and tying the seat in its folded position, while a hook 19 and eye 20 may be secured to the underside of the flexible seat for fastening the same in its folded position best shown in Figure 5.

The lowermost portion of the supporting legs 9 and 11 may be provided with foot extensions 21 and 22 respectively for preventing the legs from being pushed into the ground and presenting an uneven seat to the user. When the legs 9 and 11 are folded or the chair is collapsed, the segment shaped leg portions of the legs below the block 5 move into close relationship as illustrated in Figure 9.

It is to be understood that the form of folding chair herewith shown and described is to be taken as a preferred example of the same and that various changes in the shape, size and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

I claim:—

1. A folding chair of the character described, comprising a hollow connector block, having internal oppositely positioned ribs, a pair of crossed legs pivoted between opposite faces of the ribs, a pair of hinged legs mounted in the spaces between one wall of the connector block and the ribs at right angles to the crossed legs whereby the legs may be folded to represent a walking stick, and a flexible seat carried by the upper ends of the crossed legs.

2. A folding support of the character described, comprising a hollow connector block having a pair of oppositely positioned ribs, a pair of crossed legs pivotally mounted to the opposite ribs, a pair of hinged legs mounted in the connector block at right angles to the crossed legs and a flexible seat carried by the upper portions of the crossed legs.

3. A folding chair of the character described, comprising a hollow connector block having an internal rib formed on each end wall thereof, a pair of crossed legs respectively pivoted to the opposite ribs of the connector block, a leg hinged to each side wall of the connector block and an adjacent rib in right angle relation to the crossed legs, a flexible seat carried by the upper portions of the crossed legs and means for holding the crossed legs and hinged legs in a folded position.

4. A folding chair of the character described, comprising a hollow connector block having a rib on each of the internal opposite end faces thereof, a pair of crossed legs having their upper ends bifurcated and respectively mounted on the opposed edges of the internal ribs, a leg pivoted at right angles to the crossed legs between each and a side wall of the block, and a flexible seat carried by the bifurcated upper ends of the crossed legs.

5. A folding chair of the character described, comprising a hollow rectangular connector block, a pair of oppositely positioned internal ribs formed on end walls of the connector block, a pair of crossed legs within the connector block connected by means of a pivot pin extending through the opposite ribs, a leg pivoted at right angles to the crossed legs, at each side thereof having a pivot pin journaled in a side wall of the adjacent rib and one wall by the connector block, a flexible seat carried by the upper ends of the crossed legs and means for limiting opening movement of the crossed legs and hinged legs when the chair is in operative position.

In testimony whereof I affix my signature.

JOSEPH KARWOSKI.