S. RYAVE.

STOOL.

APPLICATION FILED FEB. 12, 1910.

959,393.

Patented May 24, 1910.

2 SHEETS—SHEET 1.

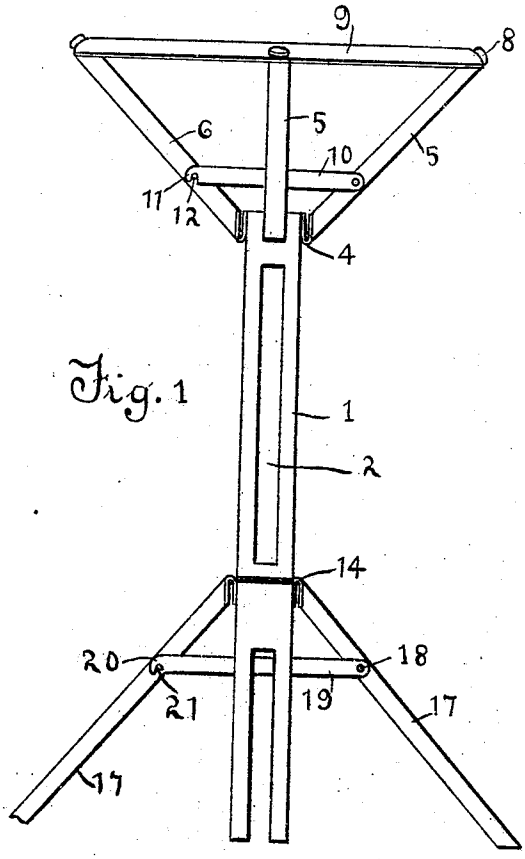

Fig. 1

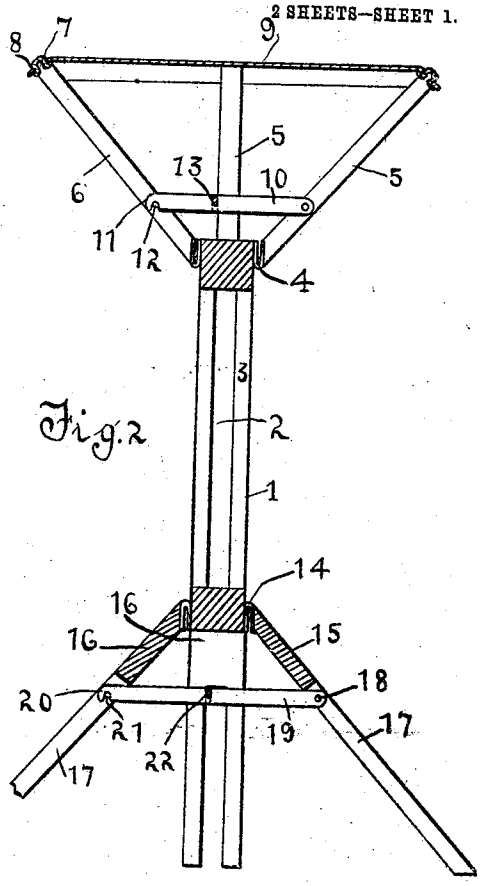

Fig. 2

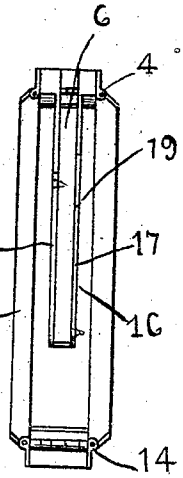

Fig. 3

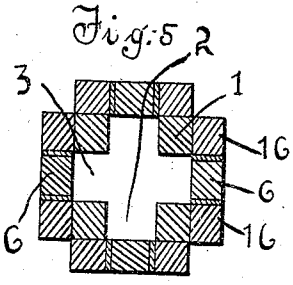

Fig. 5

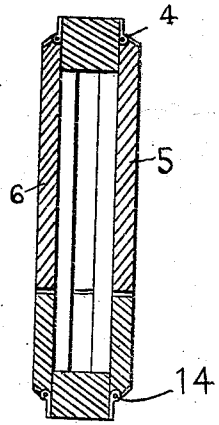

Fig. 4

Witnesses

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2 SHEETS—SHEET 2.

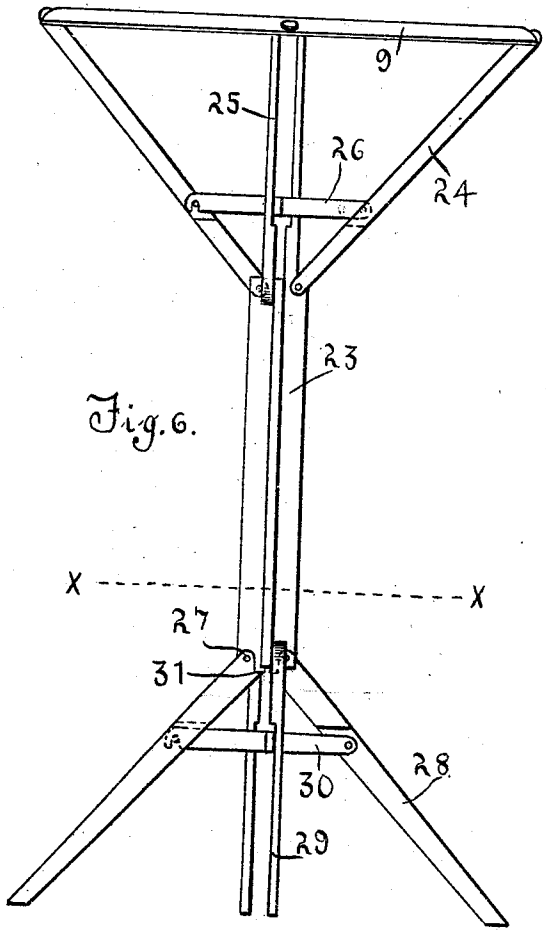

Fig. 6.

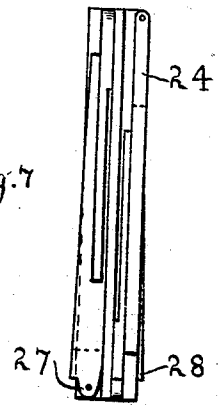

Fig. 7

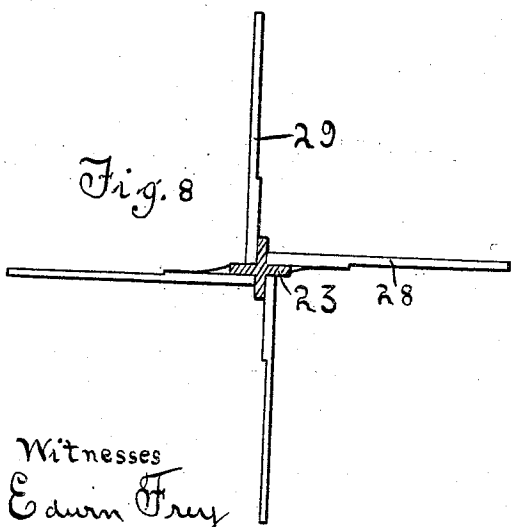

Fig. 8

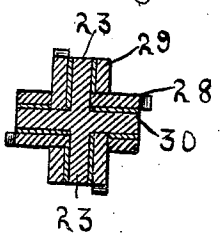

Fig. 9

Witnesses

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STOOL.

959,393. Specification of Letters Patent. **Patented May 24, 1910.**

Application filed February 12, 1910. Serial No. 543,439.

To all whom it may concern:

Be it known that I, SAMUEL RYAVE, a citizen of the United States of America, residing at McKees Rocks, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Stools, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to stools, and more particularly to a collapsible stool adapted for camp purposes, the stool being designed whereby it can be folded into a comparatively small parcel easily carried in a valise or the pocket of a coat.

The object of my invention is to provide a stool constructed upon the principles of a tripod, the stool having a post adapted to be supported by radially disposed legs, while the upper end thereof is provided with radially disposed arms adapted to support a suitable seat. The legs and arms are adapted to be connected to provide a rigid structure and when folded to embrace the post in such a manner as to provide a compact structure. To this end, I provide a slotted or ribbed post and at the ends of said post hinge or otherwise connect legs or arms that can be folded into engagement with the post or extended to provide a substantial base-support and seat-support, the stool when folded being approximately one-third the length of the stool when set up.

The detail construction entering into the invention will be hereinafter specifically described and then claimed, and reference will now be had to the drawings forming part of this specification, wherein there are illustrated the preferred embodiments of the invention, but it is to be understood that the structural elements thereof can be varied or changed, as to the size, shape, and manner of assemblage without departing from the spirit and scope of the invention.

In the drawings: Figure 1 is a side elevation of a stool constructed in accordance with the invention. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a side elevation of the stool in a collapsed or folded position. Fig. 4 is a vertical sectional view of the same. Fig. 5 is an enlarged horizontal sectional view of the folded stool as shown in Figs. 3 and 4. Fig. 6 is an elevation of a modified form of stool. Fig. 7 is an elevation of the stool folded. Fig. 8 is a horizontal sectional view of the stool taken on the line *x*—*x* of Fig. 6, and Fig. 9 is a horizontal sectional view of the folded stool shown in Fig. 7 of the drawings.

To put my invention into practice, I provide a rectangular post 1 with vertical intersecting slots 2 and 3, the slots 2 and 3 intersecting at right angles to provide openings at the sides of said post.

Hinged to the sides of the post 1 at the upper end thereof, as at 4, are seat-supporting arms 5 and 6, the upper ends of said arms being reduced to provide buttons 7 and adapted to engage said buttons are clasps 8 carried by a flexible seat 9. The arms 5 adjacent to the hinged ends thereof are provided with pivoted retaining bars 10 having hook-shaped ends 11 adapted to engage pins 12, carried by the sides of the arm 6. The retaining bars 10 are slotted or notched, as at 13, whereby the bars can be interlocked, as shown in Fig. 2, with a portion of one of said bars extending into a portion of the other of said bars.

Hinged to the sides of the post 1 at the lower end thereof, as at 14, are legs 15 and 16 having the greater portion thereof bifurcated, as at 17. Pivotally mounted in the bifurcation of the legs 15 by pins 18 are retaining bars 19, similar to the bars 10, the said bars 19 having hook-shaped ends 20 adapted to engage pins 21 mounted in the bifurcations of the legs 16. The bars 19, similar to the bars 10, are notched or slotted, as at 22, to interlock and allow the bars to be swung into position.

The slots 2 and 3 of the post 1 are of a sufficient width to accommodate the retaining bars 10 and 19, should said bars swing into the slots, when the arms 5 and 6 and legs 15 and 16 are folded against the post 1. The lower ends of the legs 15 and 16 are bifurcated to receive the arms 5 and 6 when folded against the post 1.

In Figs. 6 to 9 inclusive, I have illustrated a modification of the invention, wherein the post is of a shape in cross section corresponding to a Maltese cross, thereby providing vertical ribs 23 arranged at right angles to one another and extending from one end of the post to the opposite end thereof. Pivotally connected to the upper ends of the ribs 23 are arms 24, cut away, as at 25, to provide clearance for the pivoted retaining bars 26, these bars being similar to the bars 10 and 19. The upper ends of the arms 24 are adapted to support the seat 9. Pivotally

connected to the lower ends of the ribs 23, as at 27, and upon opposite sides of said ribs from the arms 24 are legs 28, said legs being cut away, as at 29, to provide clearance for the pivoted retaining bars 30 similar to the bars 10, 19, and 26. The pivoted ends of the legs 28 are provided with shoulders 31 adapted to engage the lower ends of the ribs 23, and when the legs are folded they engage the ribs, while the arms 24 swing into engagement with said legs, as best shown in Fig. 9 of the drawings.

The stool can be made of light and durable metal or wood, while the seat 9 thereof is made of canvas or a flexible material capable of sustaining a weight upon the ends of the interlocked arms and legs of the stool.

What I claim, is:

A stool of the type described comprising a vertically-disposed post having a bifurcated lower end with the furcations intersecting each other, foldable seat supporting arms having beveled inner ends, hinges each having a leaf secured to the side face of a post at the top thereof and its other leaf directly secured against the beveled end of the arm, retaining bars interlocking with each other and arranged above the post and pivoted to the sides of certain of said arms and adapted to detachably engage the sides of the other of said arms for maintaining these latter extended, legs having beveled inner ends and bifurcated outer portions adapted to receive said arms when folded, means carried by the beveled inner ends of said legs and connected to the post for hinging the legs, retaining bars interlocking with each other and pivoted at one end in the furcations of certain of the legs and extending through the bifurcated lower end of the post and adapted to detachably engage the other of the legs for maintaining these latter extended, said post provided with intersecting longitudinal slots extending from a point removed from the lower end of a post to a point removed from the upper end of the post and adapted to receive said bars should they swing inwardly when the arms and legs are folded against the post, and the outer ends of said legs when extended being in a plane with the bottom of the post.

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

SAMUEL RYAVE.

Witnesses:
K. H. BUTLER,
EVA A. MILNE.