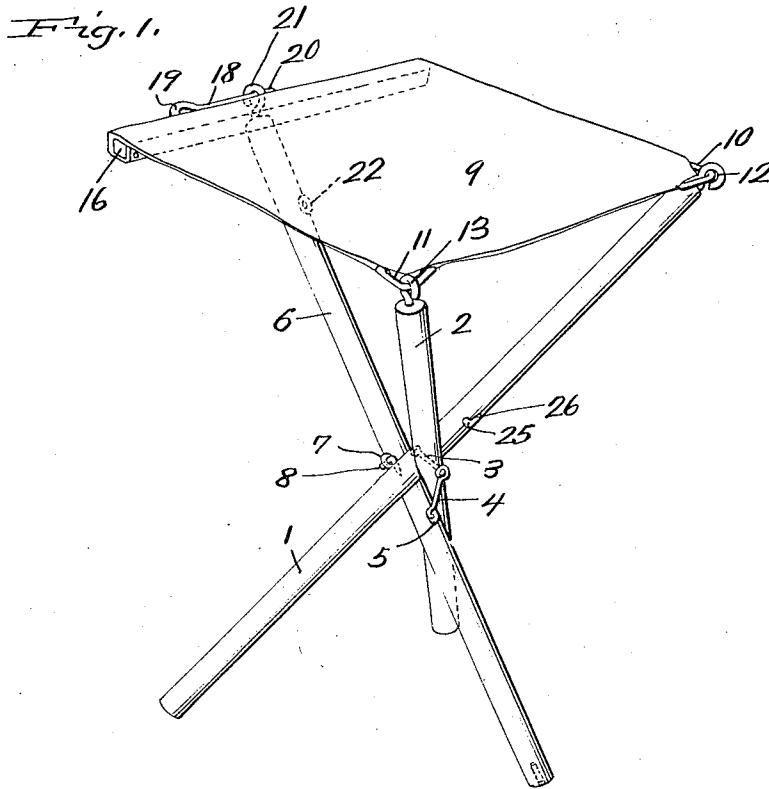
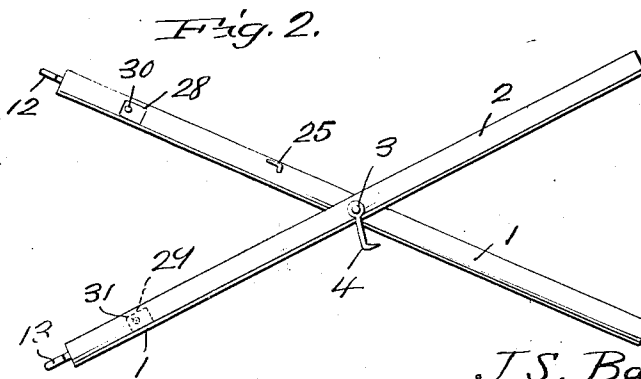


J S. BACHTEL.
FOLDING STOOL.
APPLICATION FILED MAR. 14, 1918.

Patented Nov. 26, 1918.
2 SHEETS—SHEET 1.

1,285,580.

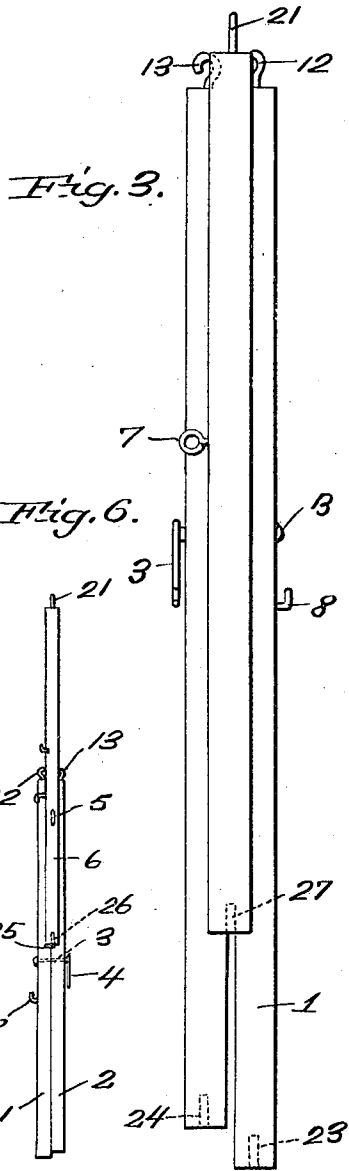
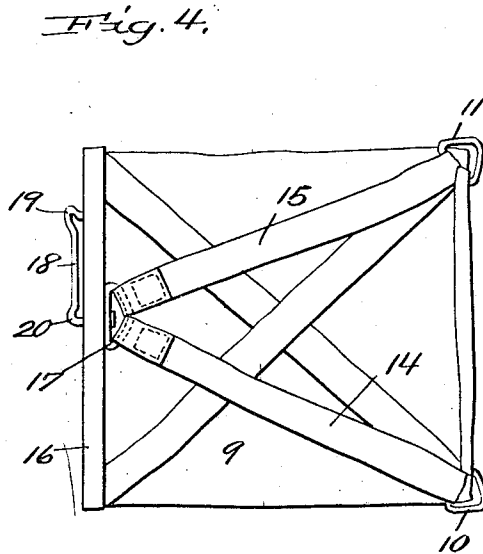
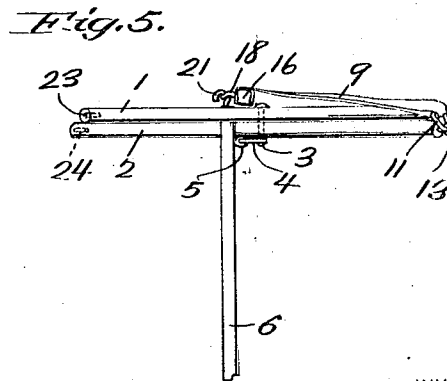


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FOLDING STOOL.

1,285,580.

Specification of Letters Patent.

Patented Nov. 26, 1918.

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To all whom it may concern:

Be it known that I, J SIDNEY BACHTEL, a citizen of the United States, residing at Higgins, in the county of Lipscomb and State of Texas, have invented certain new and useful Improvements in Folding Stools, of which the following is a specification.

This invention relates to folding stools.

One of the main objects of the invention is to provide a folding stool of simple construction and operation which may be produced at small cost. A further object is to provide a stool so constructed as to be readily convertible into a sun-shade or umbrella, or a cane, optionally. Another object is to provide a stool which may be quickly and easily set up or taken down and folded so as to occupy but very little space. Further objects will appear from the detailed description.

In the drawings:

Figure 1 is a perspective front view of a stool constructed in accordance with my invention, as used.

Fig. 2 is a detail of the two pivotally connected supporting rods.

Fig. 3 is a detail of the three supporting rods shown as disassembled and positioned in parallelism so as to have the flexible seat wound about them so as to provide a small bundle.

Fig. 4 is an underneath view of the seat.

Fig. 5 is a side view of the stool converted into a parasol.

Fig. 6 is a view of the supporting rods arranged to provide a cane.

Broadly stated, the stool is comprised of a supporting stand formed by a plurality of supporting rods secured together in cross and triangular arrangement, and a flexible seat secured to the upper ends of these rods. The rods 1 and 2 are pivotally secured together at their approximate centers by a pin 3 passed through the same. This pin projects beyond the underface of rod 2 and serves to pivotally support a securing hook 4 mounted thereon at its upper end. This hook is adapted to engage through an eye 5 secured in a third rod 6 which is independent of rods 1 and 2. This third rod is further provided with an eye 7 disposed substantially at right angles to eye 5 and adapted to receive the outer arm of a hook 8 fixedly secured in rod 1. The eye 7 and hook 8, and eye 5 and hook 4, are so related as to releasably secure free rod 6 in an inclined position

extending through the lower angle formed by rods 1 and 2. By this means, the three rods are secured in crossed triangular arrangement so as to provide a supporting stand for the flexible seat 9 which may be formed of canvas or other suitable material. This seat is provided, at each corner of its forward edge, with the triangular securing members 10 and 11 which are adapted to be inserted into the eyes 12 and 13 secured in the upper ends of rods 1 and 2, respectively, these eyes being slightly open so as to permit insertion or removal of members 10 and 11.

Supporting strips 14 and 15 are inserted through members 10 and 11, respectively, one end of these strips being secured to the back bar 16 secured in seat 9 at the back thereof, and the other ends of these strips being secured through a triangular securing member 17 which is fastened to the inner face of back bar 16. A supporting bar 18 is secured to back bar 16 in parallel spaced relation thereto, and is provided at its outer end with an offset or recess 19, and at its inner end with a similar offset 20. Bar 18 is adapted to be inserted into an eye 21 secured in the upper end of free rod 6. By placing the eye 21 through offset 19 and turning rod 6 through an arc of approximately 90°, the rod 18 is inserted into eye 21, after which the rod 6 is moved so as to bring eye 21 into the offset 20. When in this position, eye 21 is at the center of the back edge of the seat, the seat thus being secured at three points so as to be supported by the rods 1, 2, and 6, as in Fig. 1 of the drawings.

Rod 6 is provided, a short distance from its upper end, with an eye 22 fixedly secured thereto. The distance from the upper end of rod 6 to eye 22 corresponds approximately to the height of eye 21. By this construction, by releasing hook 8 and eye 7, and disengaging hook 4 from eye 5, the two cross rods 1 and 2 may be moved upward along rod 6 until the upper face of rod 1 is brought into engagement with the underface of back bar 16 of the seat, thus bringing the hook 4 into position for engagement with the eye 22. By securing this hook through the eye 22, rods 1 and 2 will be firmly secured in horizontal position so as to hold the seat 9 extended, the rod 6 being in a vertical position. This provides a sun-shade which may be held by rod 6, this rod constituting the handle of this shade. This will be clear from Fig. 5 of the drawings in which the

stool is shown as converted into a sun-shade. The rods 1 and 2 are provided, in their lower ends, with axial bores 23 and 24, respectively. If desired, suitable rods or pins may be inserted into these bores so as to permit the corners of a piece of fabric, such as a handkerchief, or other suitable cloth to be secured to the ends of the rods, the inner corners of this cloth being pinned or otherwise secured to the fabric seat 9. By doing this, the area of the sun-shade thus produced may be materially increased.

Rod 1 is provided with a rectangular hook 25 fixedly secured therein above the pin 3, the outer arm 26 of this hook being directed longitudinally of the rod and beyond the upper end thereof. Arm 26 of this hook is adapted to be inserted into a bore 27 in the lower end of rod 6. Rod 1 is further provided, adjacent its upper end and in its inner face with a recess 28 which coöperates with a similar recess 29 in rod 2, when the rods 1 and 2 are in parallelism, to provide a receiving socket for eye 5 of rod 6, the distance from hook 25 to this socket corresponding to the distance from the lower end of rod 6 to eye 5. Rod 1 is further provided with a pin 30 secured therein and coöperating with a similar pin 31 secured in rod 2 to provide a fastening pin or member which engages over the rounded portion of eye 5, when this eye is inserted into the socket formed by recesses 28 and 29, so as to secure the eye between rods 1 and 2. By detaching seat 9 and releasing rods 1 and 2 into parallelism, rod 6 may be readily secured to rods 1 and 2 by inserting the outer arm 26 of hook 25 into the bore 27 and then forcing eye 5 into the socket formed by recesses 28 and 29 so as to be secured therein by the pins 30 and 31. When thus secured, rod 6 is parallel with rods 1 and 2, and is positioned between these two rods so as to effectually prevent relative movement between the same, also extending above rods 1 and 2, the three rods thus assembled forming a device which may be used as a cane or walking stick. The flexible seat which has been removed from the rods may be rolled about the back bar 16 and carried in a person's pocket or hand, or in any other suitable manner. When it is desired to use the device as a stool, the cane may be disassembled by reversing the operation described, after which the rods 1, 2, and 6 may be secured together in the manner previously described to provide a support for the seat 9 secured to the upper ends of the rods.

It will be evident that there may be slight changes made in the details of construction and arrangement of the various parts of my invention without departing from the field and scope of the same, and I intend to include all such variations, as fall within the

scope of the appended claims, in this application in which a preferred form only of my invention is disclosed.

What I claim is:

1. In a folding stool, two rods pivotally secured together at their approximate centers, a third rod independent of the said two other rods and adapted to be inserted beneath the central portions thereof when said two rods are spread apart, coöperating hooks and eyes carried by said rods and so relatively disposed as to releasably secure said free rod at an inclination between the said pivotally connected rods and below the pivotal axis thereof, and a seat secured on the upper ends of said rods.

2. In a folding stool, two rods pivotally secured together at their approximate centers, a third rod independent of the said two other rods and adapted to be inserted beneath the central portion thereof when said two rods are spread apart, means for releasably securing said third rod at an inclination between the said two pivotally connected rods and beneath the pivotal axis thereof so as to provide a supporting stand, a flexible seat secured on the upper ends of said rods, and means for securing the two pivotally connected rods to the said free rod adjacent the upper end thereof with the free rod at the vertex of the lower angle formed by the said pivotally connected rods so as to secure the two pivotally connected rods at right angles to the third rod and hold the seat in extended position.

3. In a folding stool, two rods pivotally secured together at their approximate centers, a third rod independent of the said two other rods and adapted to be inserted beneath the central portion thereof when said two rods are spread apart, an eye carried thereby, a hook carried by one of the pivotally connected rods and adapted to engage into the said eye when the free rod is inserted through the lower angle formed by the said pivotally connected rods so as to maintain all of said rods in crossed triangular arrangement, a flexible seat secured to the upper ends of said rods, and an eye carried by the free rod adjacent the upper end thereof adapted to receive said hook when the free rod is disposed vertically at the vertex of the lower angle of the two pivotally connected rods so as to secure the said pivotally connected rods in horizontal position and hold the seat extended.

4. In a folding stool, two rods pivotally secured together at their approximate centers, a third rod independent of the said two other rods and adapted to be inserted beneath the central portions thereof when said two rods are spread apart, means for releasably securing the free rod to the said pivotally connected rods and extending at an inclination through the lower angle

formed thereby so as to form a supporting stand for a seat, said pivotally connected rods being provided in its lower end with a longitudinal bore, a hook carried by one
5 of the said two pivotally connected rods and having its outer arm disposed longitudinally thereof and adapted to fit into said bore, and an eye carried by the third rod and so spaced from the lower end thereof as to fit into said socket and between said
10 pins when the said hook is inserted into the bore of said third rod so as to releasably secure the rods in parallel relation with the said third rod projecting above the said two
15 pivotally connected rods.

5. In a folding stool, two rods pivotally secured together at their approximate centers, a third rod independent of the said two other rods and adapted to be inserted
20 beneath the central portions thereof when said two rods are spread apart, an eye carried by the third rod, a hook fixedly secured in one of the said two rods and having its outer arm disposed longitudinally

thereof, said third rod being provided in its 25 lower end with a bore to receive the outer arm of said fixed hook, the said two pivotally connected rods being provided with recesses and pins adjacent their upper ends operating to provide a receiving socket and
30 securing means when the rods are in folded position, and the distance from the lower end of the said third rod corresponding to the distance from the fixed hook to the said receiving socket and securing means where- 35 by the third rod may be secured to the pivotally connected rods so as to project above the same by inserting the outer arm of the hook into said bore and then inserting said eye into the receiving socket and secur- 40 ing means.

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

J SIDNEY BACHTEL.

Witnesses:

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ALEXANDER GORDON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."