P. SCHNEIDER.

COLLAPSIBLE SUPPORTING RACK.

APPLICATION FILED NOV. 30, 1912.

1,073,531.

Patented Sept. 16, 1913.

Fig. 2.

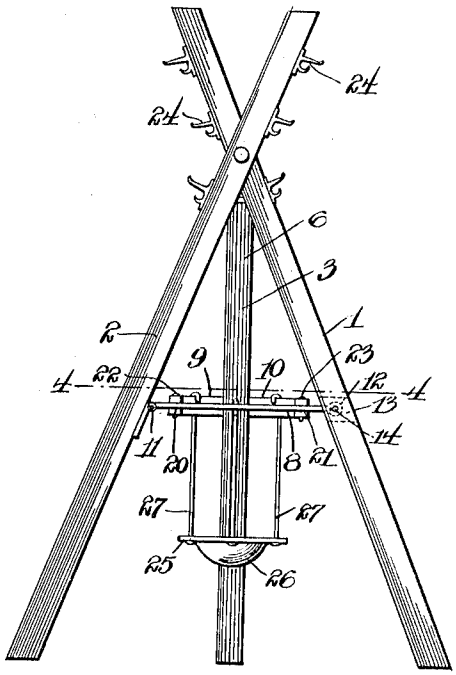


Fig. 1.

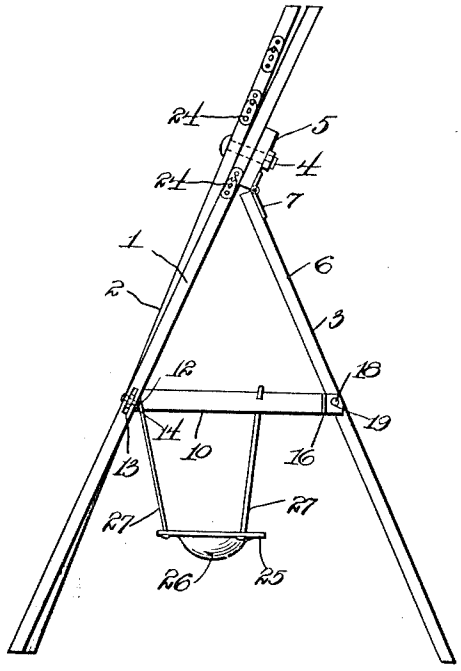


Fig. 3.

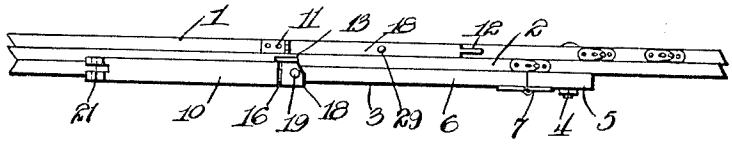
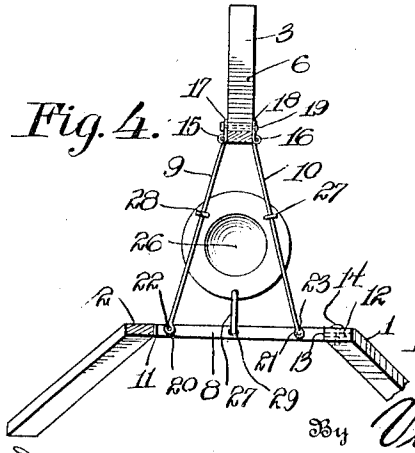


Fig. 4.



Witnesses

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PHILIPP SCHNEIDER, OF ST. CHARLES, MISSOURI.

COLLAPSIBLE SUPPORTING-RACK.

1,073,531. Specification of Letters Patent. Patented Sept. 16, 1913.

Application filed November 30, 1912. Serial No. 734,293.

To all whom it may concern:

Be it known that I, PHILIPP SCHNEIDER, a citizen of the United States, residing at St. Charles, in the county of St. Charles and State of Missouri, have invented new and useful Improvements in Collapsible Supporting-Racks, of which the following is a specification.

This invention relates to a portable supporting tripod which is adapted to be used as a clothes rack, as a support for cooking utensils, or for any such purpose; the primary object thereof being to provide a device of this character which may be folded or collapsed so as to occupy very small space, and further to provide readily adjustable means for securing the device in its extended position when it is desired to use the device.

In the preferred embodiment of the invention as described herein, the device is in the form of a clothes rack, which is adapted to support different articles of clothing, such as coats and hats, and has means provided thereon for supporting umbrellas or canes, but it is to be understood that a tripod embodying the general principles of the invention may be used as a support for any purpose, such as an easel for supporting pictures, as a support for suspending a kettle over a fire, or for like uses.

With these and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings: Figure 1 is a side elevation of the device when extended for use; Fig. 2 is a front elevation thereof; Fig. 3 is a side elevation of the device when collapsed; and Fig. 4 is a horizontal sectional view, taken on the line 4—4 of Fig. 2.

In the drawing, the numerals 1 and 2 designate the side members of the rack, which are pivotally connected adjacent their upper ends with the upper end of a third or bracing member 3 by means of the pivot bolt 4. The member 3 comprises an upper fixed portion 5 and a lower adjustable portion 6, the upper end of the latter being pivotally connected to the lower end of the portion 5 by means of a leaf hinge 7, so that the bracing member may be swung outwardly into operative position when the side members 1 and 2 are swung into opposite diverging positions. When thus opened or expanded the device forms a tripod. In order to provide means for maintaining the side and bracing members or legs of the tripod in this position, I have provided spacing bars 8, 9 and 10. The bar 8 has one end hinged, as at 11, to the side member 2, so that it may swing in the plane of said side member, and the other end of the bar 8 is formed with a tenon 12 which is adapted to be inserted into a mortise 13 provided in the opposite side member 1 upon expansion of said members, and which is adapted to be secured in this position by means of a transverse locking pin 14. The members 9 and 10 are pivotally connected at corresponding ends by means of the hinges 15 and 16, respectively, to the attaching blocks 17 and 18, which latter are pivotally connected by means of the transverse bolt 19 to the opposite sides of the adjustable portion 6 of the bracing member 3. The blocks 17 and 18 are thus adapted to swing in vertical planes and the bars 9 and 10 are adapted to swing laterally. The free ends of the bars 9 and 10 are bifurcated, as at 20 and 21, respectively, so that they may embrace the opposite ends of the bar 8 when in its horizontal operative position, and are adapted to be secured in this position by means of the vertical locking pins 22 and 23. The spacing bars are thus adapted to be disengaged and folded into inoperative position against their respective leg members when it is desired to collapse the device as a whole.

I have provided a plurality of clothing hooks 24, which are secured to the side edges of the side members 1 and 2, as shown in the drawings, preferably so that different articles of clothing may be supported thereupon. I have further provided a circular plate 25 having a down-struck concavity 26 therein which is adapted to be sustained from the spacing bars by means of the upwardly diverging attaching rods 27 which have hooks 28 formed on their upper ends, two of these hooks being adapted to engage the upper edges of the spacing bars 9 and 10 and the other hook being adapted to engage within a vertical opening 29 provided centrally in the bar 8. This last named device is provided as a support for umbrellas, canes or the like, which may be inserted between the spacing bars with their lower ends extending into the concavity 26 provided within the plate 25.

From the foregoing description, taken in

connection with the accompanying drawings, it will be seen that I have provided a rack which is peculiarly adapted for use on camping trips, when it is desired to have a device of this character which may be collapsed into very compact form for transportation purposes and which will be a very neat article for supporting clothing.

Having thus described my invention, what I claim is:—

1. In a device of the class described, a pair of side leg members pivotally connected for swinging movement in parallel planes, a bracing leg member including an attaching portion pivotally connected with said side members to swing in a plane therewith, and a movable portion pivotally connected to the attaching portion to permit the last-named portion to swing in a plane disposed at right angles to the planes of movement of the side members, a spacing bar pivotally attached to one of said side members and adapted to fold against the same when the device is in collapsed position, and means by which the free end of said bar may be attached to the other side member in order to space the same in extended position, a pair of spacing bars pivotally attached to the movable portion of the bracing member and adapted to fold thereagainst, said pair of spacing bars being adapted to engage the first named bar when the device is in extended position, and means by which the free ends of said bars may be detachably secured to the first-named bar.

2. In a device of the class described, a pair of side leg members pivotally connected for swinging movement in parallel planes, a bracing leg member including an attaching portion pivotally connected with the said side members to swing in a plane parallel therewith and a movable portion pivotally connected to the attaching portion to permit the last-named portion to swing in a plane disposed at right angles to the planes of movement of the side members, a spacing bar for securing said side members in extended position, a pair of spacing bars attached to the bracing leg member, each of said bars comprising an attaching portion pivotally connected to one side face of the bracing member for swinging movement in a plane parallel thereto, and a transversely swinging portion pivotally connected to the attaching portion, and means for detachably securing the free end of each of said spacing bars to the first-named bar connecting the said members.

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

PHILIPP SCHNEIDER.

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