July 23, 1929. A. L. DANIELE 1,721,690

FOLDING STAND

Filed March 5, 1928

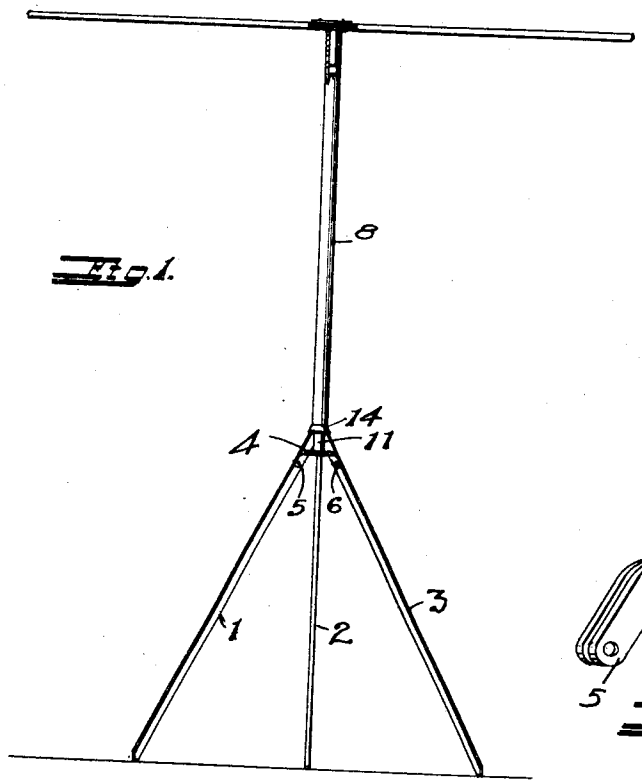


Fig. 1.

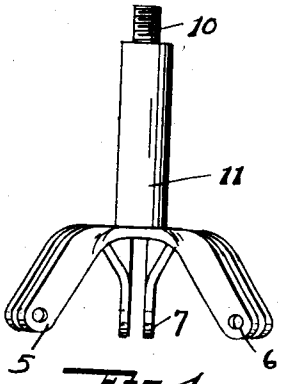


Fig. 4.

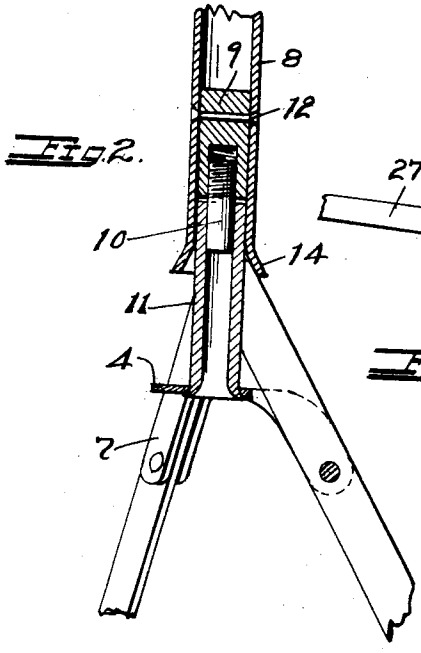


Fig. 2.

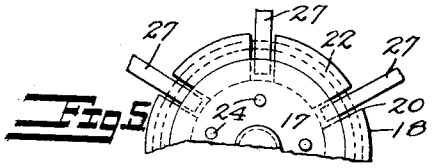


Fig. 5

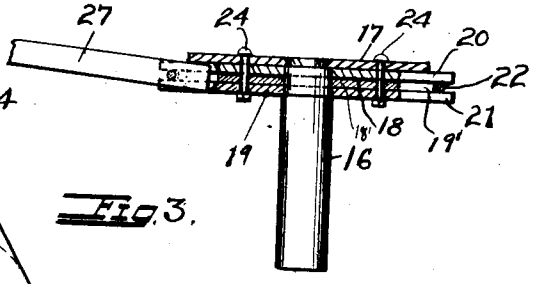


Fig. 3.

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UNITED STATES PATENT OFFICE.

ALEXANDER L. DANIELE, OF SAN FRANCISCO, CALIFORNIA.

FOLDING STAND.

Application filed March 5, 1928. Serial No. 259,127.

This invention relates to a folding stand, and its object is to produce a stand which is capable of being folded up into small compass, but which may be extended to produce a support for a table top or for the drying of clothes, or for any other object of that character where an extended support is made use of.

One object of the invention is to provide means whereby the mere assembling of the legs of the part to which they are connected with the main stem of the stand will rigidly hold the legs extended. The legs swing toward each other to fold.

Another object of the invention is to produce means for holding the lower legs of the stand extended which will be exceedingly cheap to construct and which can be assembled with the minimum of labor.

Figure 1 is a side elevation of the stand as it appears extended, a portion of the top of the main stem being broken away for the purposes of illustration.

Figure 2 is a sectional view of the main stem of the stand where it is connected to the lower legs.

Figure 3 is a sectional view of the detachable top which is used to support the garments drying or to support the table top, as may be desired.

Figure 4 is a side elevation of the spider to which the legs are connected.

And Figure 5 is a plan of the view shown in Figure 3 partly broken away.

This particular table has three (3) legs—1, 2 and 3—which are pivotally connected to a spider, 4, said spider having depending arms 5, 6 and 7, to which the legs 1, 2 and 3 are pivotally connected.

The main stem 8 of the table is about as long as the legs 1 to 3 inclusive, and has a block, 9, therein, which is threaded to receive the pin, 10, secured in the top of the short heavy tube, 11, riveted to the spider, 4.

The block, 9, is secured within the tube, 8, in any suitable manner; for example, as with the rivet 12. The pin, 10, has its end projecting from the tube 11, threaded to be turned into the threaded opening in the block, 9.

The lower end of the tube, 8, is flared outwardly as shown at 14, in order to provide means to engage the legs 1, 2 and 3 to hold them in extended position.

The table top consists of a stud, 16, which is securely connected to the plates 17, 18 and 19. The plates 18, 18′ and 19 are slotted at their edges as indicated at 20, 19′ and 21, and the ribs 27 are pivotally connected to said plates by having the wire 22 pass through openings in said ribs, and secured between the two plates 20 and 21. Bolts 24, are used for the purpose of holding all the plates together.

Above the two plates 20 and 21 there is a plate 17, and any suitable means may be used for connecting the tube 16 with said plates. The outer edges of the plates 20 and 21 are so positioned that the top plate prevents the arms from moving below the horizontal, which arms serve either to support a table top or to provide a rack for drying clothes, as may be desired.

The stud 16 is pushed down into the tube 8 when the table top is to be used, and the lower legs 1, 2 and 3 are held extended by turning the pin 10 to draw it into the tube 8, whereupon the legs 1, 2 and 3 will come up against the lower end of the tube and be held rigidly extended.

I claim:

A folding stand comprising a tubular member, a block in said member, and spaced from the lower end thereof, a threaded hole in said block, a flared lower end on said tubular member, a spider having a plurality of pivoted legs thereon, a central tube on said spider against which the upper ends of said legs rest when extended, a threaded pin in said tube adapted to fit into said threaded hole to act as a coupling, whereby the flared end of said tubular member projects over the upper ends of said legs to hold them in an extended position.

In testimony whereof I have hereunto set my hand this 28th day of Feb., A. D. 1928.

ALEXANDER L. DANIELE.