Nov. 4, 1952 H. L. GRIFFIN 2,616,571

COMBINATION SUNSHADE AND CLOTHES DRIER

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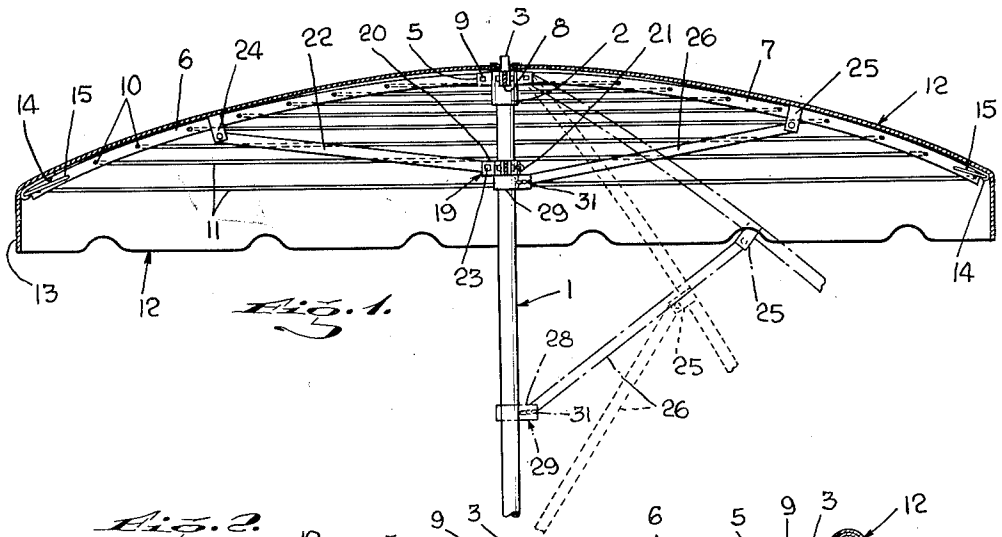


Fig. 1.

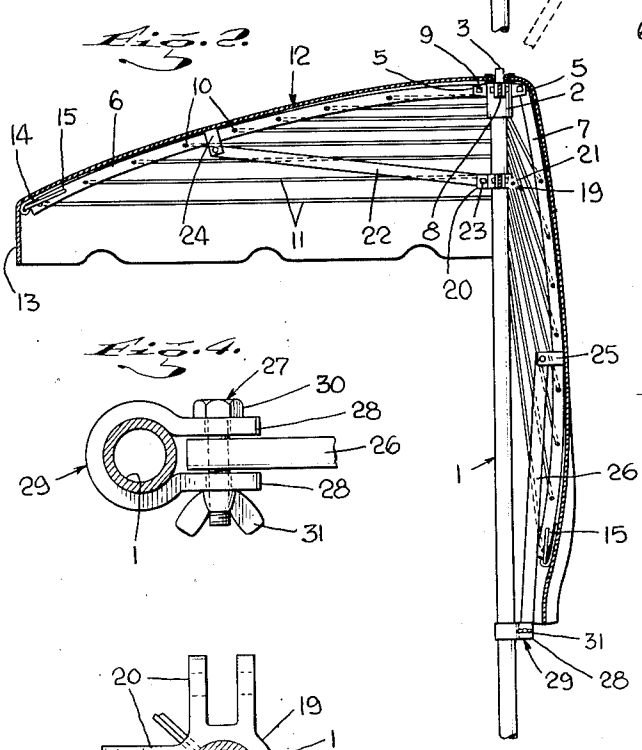


Fig. 2.

Fig. 4.

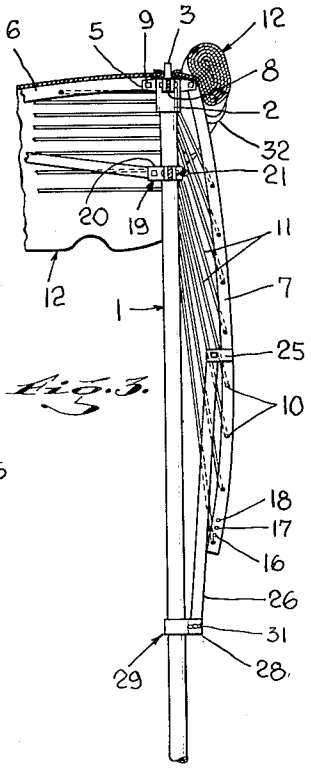


Fig. 3.

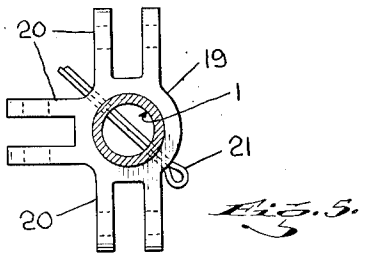


Fig. 5.

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COMBINATION SUNSHADE AND CLOTHES DRIER

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Application November 29, 1949, Serial No. 130,044

1 Claim. (Cl. 211—171)

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This invention relates to combination sun shades and clothes driers, and constitutes in part continuations of co-pending applications for patent of this applicant Ser. No. 758,962 filed July 3, 1947, Ser. No. 23,571 filed April 27, 1948, and Ser. No. 86,517, filed April 9, 1949, now Patent No. 2,599,513 issued June 3, 1952.

Among the objects of the present invention it is aimed to provide a frame having a post or upright, a plurality of arms extending radially therefrom having means for pivotally connecting the inner ends of said arms to said post, a plurality of brackets slidably mounted on said post, links pivotally connecting said brackets to the arms, the lowermost of said brackets being pivotally connected to one of said links to enable one of said arms to be lowered either to remove or attach the awning, or to adjust a part of the awning at different angles to the rays of the sun or in the interest of privacy.

It is still another object of the present invention to provide a combination sun shade and clothes drier such as disclosed in co-pending applications for patent of this applicant, Ser. No. 758,962 filed July 3, 1947, Ser. No. 23,571 filed April 27, 1948, and Ser. No. 86,517 filed April 9, 1949, wherein one arm may be lowered either entirely to afford access to the upper end of the post or upright and thereby to facilitate removing the awning, where the awning may be rolled in alinement with two oppositely extending arms or attached in place, or else with the awning attached in place on all of the arms, merely adjust the inclined position of said one arm either all the way down, as an instance in the interest of privacy, or part way down according to the angle of the sun rays at the time. With the embodiment produced and disclosed, the inclination of a part of the awning may quickly be progressively changed to correspond to the angle of the sun rays from time to time during the day.

These and other features, capabilities and advantages of the invention will appear from the subjoined detailed description of one specific embodiment thereof illustrated in the accompanying drawings, in which

Fig. 1 is a transverse section showing in full lines all of the arms in raised position, that is, in sun shade forming position, with one of the arms shown in two successive positions, to wit, in dash and dot line position, and dotted line position showing two different inclined positions of the same.

Fig. 2 is a transverse section showing the bracket connected to one arm in its lowermost

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position with the awning in outstretched position on such arm.

Fig. 3 is a transverse section similar to that shown in Fig 2, partly broken away, with a part of the awning rolled up clear of the lowered arm.

Fig. 4 is an enlarged plan view showing the connection for the lowermost slidable bracket.

Fig. 5 is an enlarged plan view of the upper slidable bracket.

In the embodiment shown, there is illustrated a post 1 preferably tubular as shown having in the present instance mounted on the upper end thereof the cap 2 having a projection or pin 3 extending from the upper end thereof and four pairs of ears 5 to receive between each pair of them an inner end of an arm, arms 6 and 7 being shown in full, and arm 8 in cross section, these arms, such as arms 6, 7 and 8 being each pivotally connected to a pair of ears 5 by a pivot pin 9.

In the present instance these arms are slightly arcuate as shown and have extending through them a plurality of openings 10 to receive successive endless sections 11 of clothes lines. On the upper faces or edges of the arms, such as arms 6, 7 and 8 in sun shade forming position, there is secured the canopy, awning or the like 12 having a central opening to receive the pin 3 with a flange or apron 13 extending down beyond the outer free ends of the arms, such as the arms 6, 7 and 8. In order tautly to secure the awning 12 on the arms, the inner faces of the awning 12 have adjacent the apron 13, four straps 14 secured to wire arms 15 having projections to extend into one of the openings 16, 17, 18, Fig. 3, near the ends of the arms to form a perch or fulcrum around which the arms 15 may be turned outwardly and downwardly, and while doing so stretch the awning into the degree of tautness desired. These arms 15 are shown in detail in the co-pending application for patent of this applicant, Ser. No. 23,571, filed April 27, 1948, and therefore it is believed unnecessary again here to illustrate the details thereof.

The feature here sought to be covered results primarily from the arrangement of the brackets and links now to be described.

Slidably mounted on the post 1, there is provided the upper bracket 19 having three pairs of ears 20 shown in Fig. 5, and opposing openings to receive the cotter pin 21. The cotter pin 21 as shown in Figs. 1, 2 and 3, extends not only through the bracket 19, but also through the openings formed in the post 1 a short distance below the cap 2. The inner ends of three links 22 are pivotally connected by the pins 23 to the

ears 20, and the outer ends of such three links 22 are pivotally connected to the lower ends of the extensions 24 extending downwardly from three of the arms, excluding the arm 7. The arm 7 has an extension 25 similar to the extensions 24, but pivotally connected by the link 26 to the pin or bolt 27 extending through the ears 28 of the bracket 29. The bolt 27 has its head 30 engaging the outer face of one of the ears 28 with the threaded end of the bolt 27 extending through the other ear 28 and screw threadedly connected to the wing nut 31. The wing nut 31 serves to draw the ears 28 toward one another into frictional engagement with the post 1 to lock the bracket 29 at any position along the post 1, either directly under the bracket 19, as shown in Fig. 1, or at a distance spaced from the same, while the bolt 27 serves of course in addition as the fulcrum for the inner end of the link 26.

The awning 12 when rolled up as shown in Fig. 3 is secured in place by straps 32 secured to the inner face thereof at one end and having a snap fastener part at the other end to engage a complemental snap fastener part on the upper outer face of the awning 12 adjacent oppositely extending arms.

Although obviously the material of the several parts may vary without departing from the general spirit of the invention, it may be observed that excellent results have been achieved when the post 1, arms such as the arms 6, 7 and 8 and links 22 and 26 are composed of aluminum, the canopy of canvas or the like, and the cap 2, brackets 19 and 29 composed of aluminum or the like.

It is obvious that various changes and modifications may be made to the details of construction without departing from the general spirit of the invention as set forth in the appended claim.

I claim:

In a combination sun shade and clothes drier, the combination of a post, a cap secured to the upper end thereof, four arms extending at right angles to one another in outstretched position with their upper edges convexly arced and pivotally connected at their inner ends to the side of said cap, an upper bracket and a lower bracket slidably mounted on said standard, three links pivotally connected at their inner ends to the upper bracket and at their outer ends to three of said arms intermediate the ends of said

arms, the fourth link pivotally connected at its inner end to said lower bracket and at its outer end to the fourth arm intermediate the ends of the fourth arm, anchoring means connecting the brackets independent of one another to said post near to and below said cap to enable said arms to extend outwardly in raised position, the liberation of the anchoring means from said lower bracket enabling said fourth arm to descend downwardly adjacent to said post without affecting the raised position of the other three arms, an awning connected at its middle to the upper end of said post and extending over said arms, clips removably connecting outer ends of said awning to the outer ends of said arms and said awning being otherwise free of said arms, and clothes line sections connected to said arms and extending around said post beneath said awning, said clips enabling the awning to be liberated from the end of the fourth arm connected to the lower bracket when said latter arm has been lowered and in turn enabling the awning, without being liberated from the other arms, to be rolled up onto the two arms next to the fourth arm so that when such fourth arm was returned into outstretched position it will be in position to expose to the sun the clothes suspended from its clothes line sections without removing the awning from the standard and other outstretched arms.

HARRY L. GRIFFIN.

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