

March 22, 1949.

A. VILA
PARASOL

2,465,140

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2 Sheets-Sheet 1

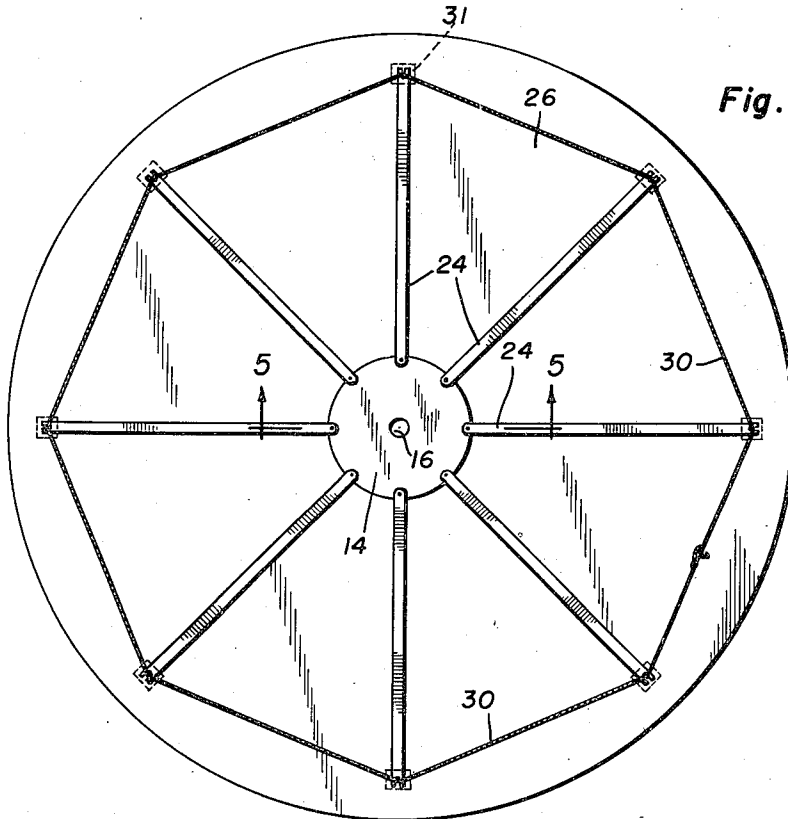


Fig. 1.

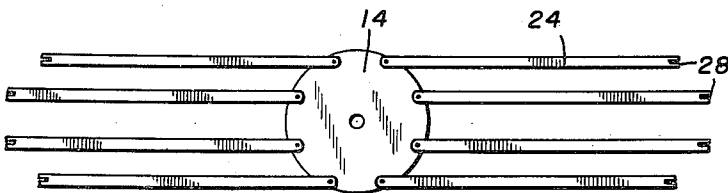


Fig. 2.

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Fig. 3.

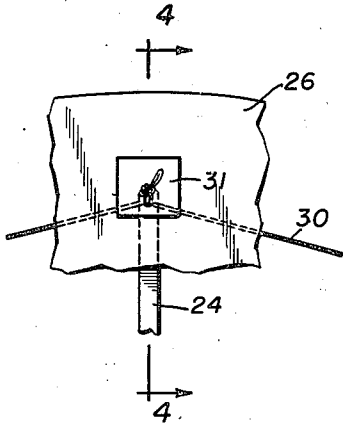


Fig. 4.

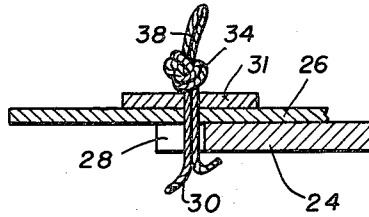


Fig. 5.

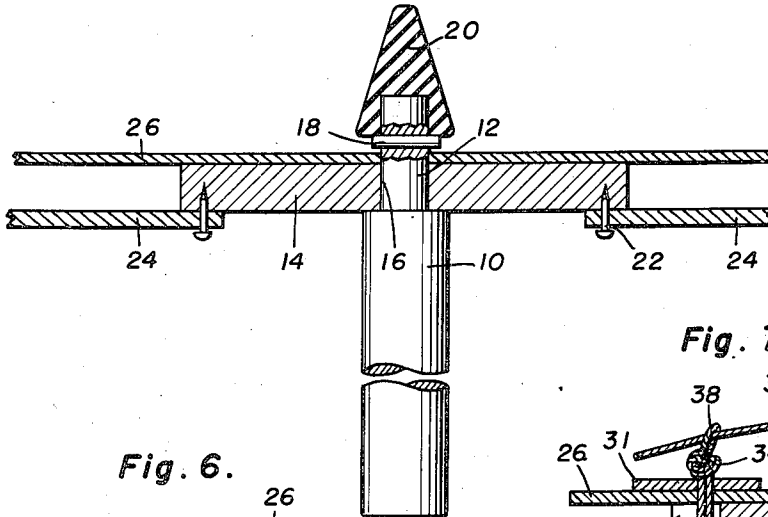


Fig. 6.

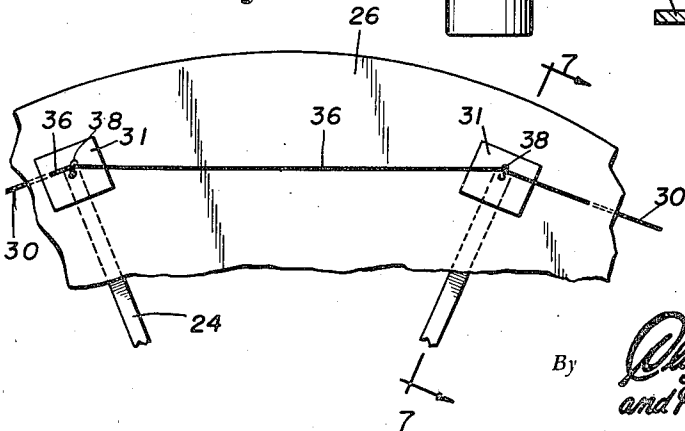
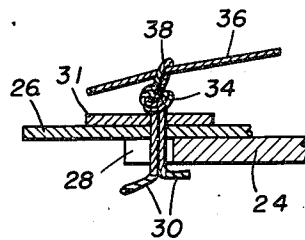


Fig. 7.



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PARASOL

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6 Claims. (Cl. 135—20)

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This invention comprises novel and useful improvements in a parasol and more especially has reference to a parasol construction which may be disassembled and compactly stored or carried and readily assembled into operative position as required.

The principal object of this invention resides in providing an improved and inexpensive construction of parasol whereby a plurality of parasol heads may be readily attached to or removed from a single handle; wherein the removable and replaceable heads may be so inexpensively constructed that they may be disposed of after use as required; wherein an inexpensive and lightweight parasol removable head is provided which is so constructed that it may be conveniently stored, easily assembled, and yet is sufficiently strong and durable for the purposes intended.

Yet another important object of the invention resides in providing a parasol head which may be detachably secured to a parasol handle and wherein the supporting stays may be collapsed into a parallel arrangement for easy storage and transportation; may be readily assembled into operative position; and wherein when so assembled the parasol material of the cover shall serve to securely retain the stays in their operative position.

Still another important purpose of the invention resides in providing a construction for a removable and collapsible parasol head whereby a relatively fragile material such as paper may be employed as the covering medium of the head and which may be safely and securely fastened to the stays thereof by a novel and highly efficient retaining means.

A still further object of the invention is to provide a parasol head in accordance with the foregoing objects, wherein the head covering material is provided with a novel and efficient means for securing the same to the stays; for reinforcing and strengthening the covering material; and for retaining the stays in their assembled position.

These, together with various ancillary objects of the invention which will later become apparent as the following description proceeds, are realized by this device, preferred embodiments of which are illustrated in the accompanying drawings, wherein:

Figure 1 is a bottom plan view of the parasol head, the covering fastening string being illustrated in full lines for clarity of illustration;

Figure 2 is a plan view of the head and stay assembly, with the covering material removed and folded into its collapsed stored position;

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Figure 3 is an enlarged fragmentary detail view showing the connection of one of the stays, the covering material and the fastening means therefor;

Figure 4 is a detailed view taken substantially on the section line 4—4 of Figure 3;

Figure 5 is a transverse vertical sectional view taken substantially upon the section line 5—5 of Figure 1;

Figure 6 is a fragmentary detailed view taken as a top plan view of a portion of a modified form of a parasol cover and its attaching means; and,

Figure 7 is an enlarged fragmentary vertical sectional view taken substantially on the section line 7—7 of Figure 6, and illustrating the manner of securing the cover to the stays in the modified form.

Referring now more specifically to the accompanying drawings, wherein like numerals indicate similar parts throughout the various views, attention is directed first to Figures 1 and 5 wherein it may be seen that a parasol handle 10 is provided with an axially extending diametrically reduced portion 12 at one extremity thereof for detachably receiving a plate or disc 14 of any suitable material such as wood or cardboard and which constitutes the hub of the parasol cover.

The hub or disc 14 is provided with a central aperture 16 for reception of the shaft 12, and the member 14 is retained upon the handle as by a wooden peg or other pin 18, a frusto conical rubber tip 20 being frictionally disposed upon the extremity of the extension 12 to constitute a water-shed or shield for the aperture 16. If desired, a cardboard washer or other suitable element may be disposed between the peg 18 and the upper surface of the hub 14 to reinforce the parasol cover material as well as to further seal this aperture.

By reference to Figures 1, 2 and 5, it will be noted that the parasol head with the central hub portion 14 has pivotally secured thereto as by pins 22 or other suitable attaching means, a plurality of stays 24 of lightweight wood, metal or other inexpensive and suitable material. As seen in Figure 1, these stays may be positioned radially in their operative position or collapsed as shown in Figure 2 into a parallel arrangement for convenience of storing and transportation.

An appropriately shaped covering material for the parasol head, indicated at 26, is provided. It is contemplated that this material may consist of appropriately shaped paper, inexpensive fab-

ric or other lightweight, pliable and inexpensive material, and if desired, suitable water-repellent solutions may be applied thereto for increasing its serviceability and utility. It should be here noted that it is contemplated dispensing the parasol in its collapsed position, the head stay assembly being detached and positioned as shown in Figure 2, while the covering material may be folded into a small package. The purchaser is intended to assemble the device as its services are desired.

When the covering material 26 is unfolded it is placed upon the head stay assembly which has been opened and positioned upon the neck 12 of the handle 10. The above mentioned washer and/or pegs 18 are now applied to secure the center of the covering material to the parasol head, while the periphery of the covering material is secured to the rib and stay assembly in the following manner. Each stay 24 is provided with a notch 28 at its outer extremity and the upper and/or lower surfaces of the covering material 26 at appropriately spaced points are provided with reinforcing patches of any suitable material and designated by the numeral 31. A loop of string, rubber band, elastic, or other flexible means indicated at 30 is disposed in an endless band through the notches 28 of the radially extending ribs 24 at the perimeter thereof. As shown best in Figure 4, at each of the stays, a loop is taken in the strand 30 and passed upwardly through the notches, apertures in the covering material 26 and patches 31, and is then knotted as indicated at 34. This knot prevents withdrawal of the loop and serves to securely anchor the patch 31, the covering material 26 and the stay 24 together in secure engagement. The patch 31 is preferably of tough material which will prevent the knot 34 from pulling therethrough, and will serve to distribute the tension of the cable at the knot over a considerable area of the covering material to more securely anchor the latter to the stays.

Alternatively, as shown in Figures 6 and 7, a slightly stronger construction may be formed by adding to the above mentioned construction, a second endless cable or string 36 which is disposed upon the upper surface of the parasol and which extends through the loops 38 formed in the knotted portions 34 of the above mentioned attaching cable 30, this latter cable in all instances being located below the parasol cover on the undersurface thereof.

From the foregoing, it is believed the manner of constructing and operating the device will be readily understood. It should be here noted that this construction provides an inexpensive and quickly assembled and disassembled parasol construction, such as is especially adapted for limited emergency use such as during sudden showers or extremely sunny weather, as at beaches, amusement parks or the like. By means of the novel fastening means 28, 30 and 34, it is possible to form the parasol of extremely light construction,

and one which is very inexpensive to manufacture, the required durability and strength being imparted by the novel arrangement of the peripheral strand 30, which performs the three functions of rigidly locating the stays in their radially angular disposition, rendering the flexible covering material more rigid at its periphery and securely anchoring the covering material to the stays.

It is obvious that various modifications and rearrangements of the elements of the invention will be readily apparent to those skilled in the art after consideration of the accompanying drawings and specification, and accordingly the latter are to be regarded as illustrative of the principles of the invention only and are not to be interpreted in a limiting sense except as required by the following claims.

What is claimed as new is as follows:

1. In a parasol, a handle, a detachable hub, stays pivoted upon the periphery of said hub, a flexible cover for said stays and means for securing said cover to said stays at the ends thereof, said means securing said stays in radial position upon said hub, said means including a flexible endless band and terminal notches in said stays receiving said band, said band having loops extending through apertures in the marginal edge of said cover and a fastener for retaining said loops in said apertures.

2. The combination of claim 1 including reinforcing members secured to said cover and surrounding said apertures and said loop.

3. The combination of claim 2 wherein said band is disposed on the undersurface and said loops are disposed on the upper surface of said cover.

4. The combination of claim 3 and further including a second endless band upon the upper surface of said cover and threaded through said loops.

5. In a parasol, a handle, a detachable hub, stays pivoted upon the periphery of said hub, a flexible cover for said stays and means for securing said cover to said stays at the ends thereof, said handle having a diametrically reduced axial extremity, an aperture in said hub engageable on said extremity for retaining said hub thereon and a shield on said extremity and overlying said aperture.

6. The combination of claim 5 wherein said shield is of resilient material and frictionally engages said extremity.

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