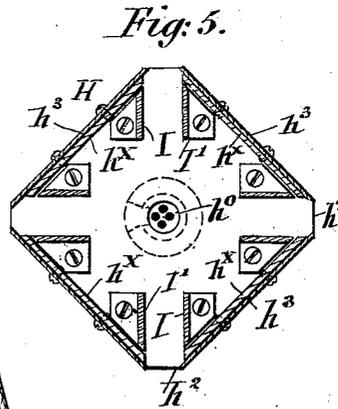
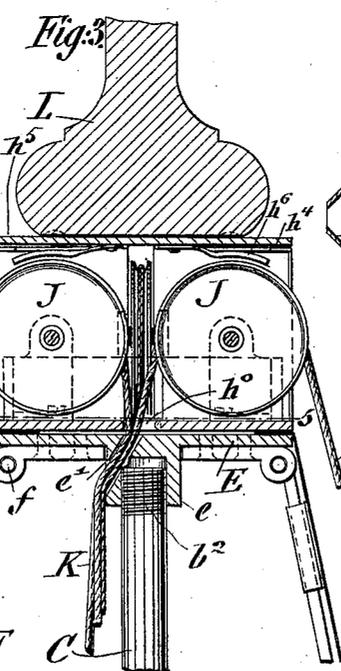
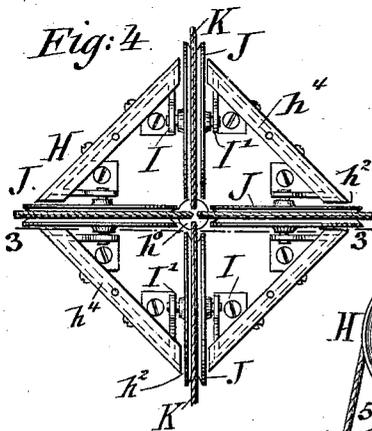
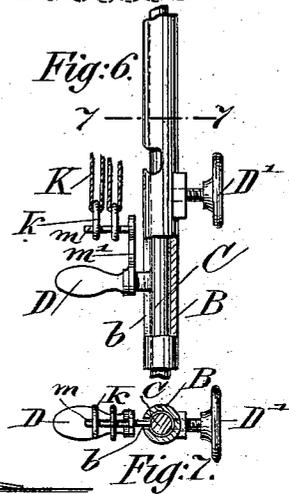
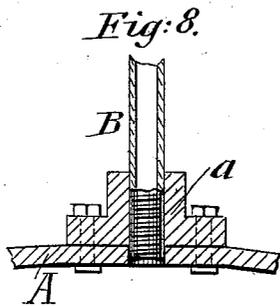
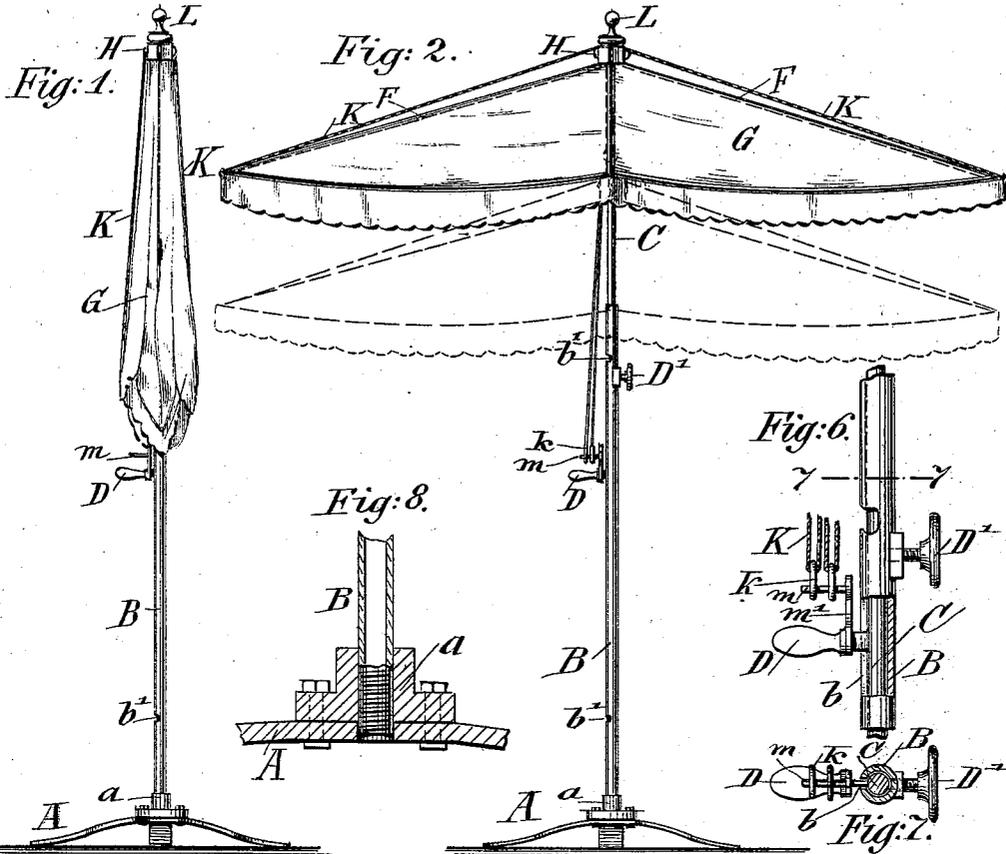
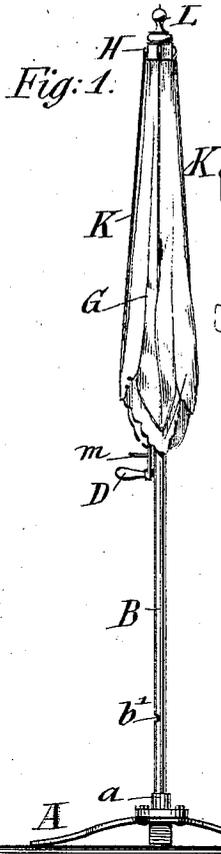


(No Model.)

G. D. ACKERMANN & M. FRÖHLICH.  
PORTABLE SUNSHADE.

No. 534,058.

Patented Feb 12, 1895.



WITNESSES:  
*Carl Kable*  
*Ge. L. Wheelock*

INVENTORS  
*George D. Ackermann*  
*Moritz Fröhlich*  
BY  
*Goebel & Regeuer*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

GEORGE D. ACKERMANN AND MORITZ FRÖHLICH, OF BROOKLYN,  
NEW YORK.

## PORTABLE SUNSHADE.

SPECIFICATION forming part of Letters Patent No. 534,058, dated February 12, 1895.

Application filed August 17, 1894. Serial No. 520,628. (No model.)

*To all whom it may concern:*

Be it known that we, GEORGE D. ACKERMANN and MORITZ FRÖHLICH, citizens of the United States, residing in Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Portable Sunshades, of which the following is a specification.

This invention relates to a portable sunshade or umbrella-like structure which is intended principally for use on the sea-shore so as to protect any persons thereunder from the direct rays of the sun and from rain, and so that they are thereby enabled to be more or less secluded.

The objects of the invention are to secure simplicity, durability and cheapness of the entire structure so that the same can be produced at a low cost and the sunshade is thereby enabled to be rented out if desired for a comparatively small sum.

Our invention consists of a supporting-standard mounted on a suitable base, said standard being of tubular form so as to receive a telescoping post, which at its upper end is provided with radiating ribs hinged at the under side of a head at the top of the post, and which are provided with an umbrella-covering or awning, said post being adapted to be raised and lowered in said tubular standard by means of a handle applied to the lower end thereof and extending through a longitudinal slot in the standard, the post being held in adjusted position by means of a set screw entering the standard and engaging the post, and said ribs which form an umbrella-frame are adapted to be opened and folded in connection with the covering applied thereto, by means of pull-cords or ropes attached to the outer ends of the ribs and running over a number of pulleys journaled in bearings on said head and extending down through an opening in the head alongside of the post so as to be within convenient reach for the purpose of manipulating and fastening the same.

In the accompanying drawings, Figure 1 is a side-elevation of our improved portable sunshade or tent, showing the same in folded position. Fig. 2 is a side-elevation thereof, showing the sunshade in position for use, the

full lines showing the covering or awning in raised and the dotted lines in lowered position. Fig. 3 is a detail longitudinal-sectional view of the parts adjacent to the head at the top of the post, such section being taken on line 3—3, of Fig. 4. Fig. 4 is a top-view of the head and the pulleys journaled therein, with the ornamental finishing-piece removed. Fig. 5 is a transverse-section on the line 5—5, Fig. 3. Fig. 6 is an enlarged detail view, showing the connections between the supporting-standard and the adjustable post. Fig. 7 is a transverse-section on the line 7—7, Fig. 6, and Fig. 8 is a detail section, showing the connection between the standard and the base on which the parts are mounted.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents a base or a spider-frame composed of spreading legs and provided with a screw-threaded socket-piece *a* which receives the correspondingly screw-threaded lower end of the standard B which is thereby connected to and mounted on the base. The standard B is of tubular or hollow form and is open at its upper end so as to receive an adjustable post C, said post being provided at its lower end with a laterally projecting handle D, the shank of which extends through a longitudinal slot *b*, extending from the opposite ends of which are offset recesses *b'*, *b'*, which, when the handle is located at either the upper or the lower end of the slot permit the handle to be turned so as to support the post at its upper and lower points if so desired. For the purpose of adjusting the post to the desired height, the standard B is provided with a screw-threaded side opening to receive a set-screw *D'*, which, when loosened permits the adjustment of the post C by means of the handle D and which when tightened, engages the post and supports the same at the desired adjusted elevation. A plate E, see Fig. 3, of rectangular or any other suitable shape is provided with a screw-threaded socket-piece *e* which receives the correspondingly screw-threaded upper end *b<sup>2</sup>* of the post C. To this plate E are hinged near its outer edge at *f, f*, so as to radiate therefrom, a number of ribs F which are adapted to fold upwardly and downwardly

against the post. To these ribs is secured in any suitable manner an umbrella-covering or awning G, the edges surrounding the central opening of which are securely clamped and held between the plate E and a head H of hollow or case-like form. Said head H is preferably of rectangular form as shown, and is composed of a base-plate  $h$  which is screwed or riveted to the plate E and is provided with upwardly-projecting side flanges  $h^x$  on all four sides which are spaced a suitable distance apart at the angles of the head, so as to provide vertical openings  $h^2$ . To the outer sides of the flanges  $h^x$  are riveted or screwed upwardly-projecting side-plates  $h^3$  which at their upper edges are formed with inwardly-extending flanges  $h^4$  onto which is fastened by screws or rivets the top-plate  $h^5$  of the head or casing.

Mounted in bearings I, I', located in the angles formed between the side-plates  $h^3$  and arranged respectively at opposite sides of the openings  $h^2$  are a number of pulleys J which radiate from the center of the head and project a slight distance beyond the same. Guided over these pulleys are pull-cords K which at their outer ends are firmly fastened to the outer ends of the ribs F of the folding umbrella-frame, said pull-cords passing through a central guide-opening  $h^0$  in the base-plate of the head and through an opening  $e'$  in the plate E, the lower ends of said pull-cords being thereby led out alongside of the post C and extending downwardly a suitable distance so as to be within reach. To the lower ends of the pull-cords are applied rings or loops  $k$  which are adapted to engage over a pin  $m$  which projects laterally from an upwardly-extending lug  $m'$  on the shank of the operating handle D.

For the purpose of creating a certain degree of friction or tension upon the pull-cords, the under side of the top-plate  $h^5$  of the head H has secured thereto radiating spring fingers  $h^6$  corresponding in number to the pulleys and engaging with a slight pressure upon the pull-cords. For the purpose of setting off the device and imparting a finish thereto, the same is crowned by an ornamental piece L which is secured to the top-plate  $h^5$  of the head in any suitable manner.

Supposing the sunshade to be in folded position, as shown in Fig. 1, and it is desired to open the same, the post C is raised or lowered to the desired height by means of the handle D and the same set in adjusted position by means of the screw D'. The ribs F and the covering G can now be opened.

The drawings show the pull-cords attached in pairs by means of the rings  $k$ . Taking now hold of one ring and pulling downwardly thereon, so as to engage the same over the pin  $m$ , one pair of ribs F and the portion of the cover attached thereto are raised; and then taking hold of the other ring and pulling down and securing the same in the same

manner the other pair of ribs F and the corresponding portion of the cover are raised, so that all the ribs and the cover are in the desired open position. It is evident without further illustration that the means of pulling the pull-cords, and of securing the same in position may be varied without departing from the spirit of the invention.

By making the head H detachable from the post C, the same together with the ribs and covering can be removed so as to facilitate storage in a smaller compass. The covering can also be removed from the ribs for the purpose of being washed and so as to obviate injury by rust of the metallic parts depositing on the same.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. In a portable sunshade, the combination with a hollow standard and a base for supporting the same, said standard being provided with a longitudinal slot, of a post provided with a handle, the shank of which extends through said slot whereby said post is adapted to be raised and lowered, a set-screw entering the standard and adapted to engage said post, folding radiating ribs pivoted at the upper end of said post, a cover or awning applied to said ribs, and means for folding and unfolding the ribs and cover, substantially as set forth.

2. In a portable sunshade, the combination with a post and means for supporting the same, of a removable head applied to the upper end of the post, pulleys mounted in said head, radiating ribs pivoted to the under side of the head, a cover or awning applied to said ribs, pull-cords connected with the outer ends of said ribs, extending along the upper side of said cover and passing over said pulleys, and then extending through an opening in the lower part of the head, and means for manipulating said pull-cords, substantially as set forth.

3. In a portable sunshade, the combination with a post and means for supporting the same, of a head applied to the upper end of said post, pulleys mounted in said head, radiating ribs pivoted to the under side of the head, a cover or awning applied to said ribs, pull-cords attached to the ribs and passing over said pulleys, spring friction fingers applied to the upper part of the head and adapted to engage said pull-cords, and rings at the lower ends of said pull-cords for the purpose of operating them, said head having in its lower part an opening for the downward passage of the pull-cords, substantially as set forth.

4. In a portable sunshade, the combination with a hollow standard and a base for supporting the same, said standard having a longitudinal slot, of a post sliding in said standard and provided with means of adjustment, a handle arranged on one side of said post

and extending through said slot, a pin projecting laterally from an upwardly-extending lug on the handle, a head at the upper end of the post, pulleys mounted in said head, radiating ribs pivoted to the head, pull-cords connected with the outer ends of the ribs and passing over said pulleys and through an opening in the inner side of the head, and rings at the lower ends of the cords, said rings being adapted to engage over said pin and

support the cover or awning in open position, substantially as set forth.

In testimony that we claim the foregoing as our invention we have signed our names in presence of two subscribing witnesses.

GEORGE D. ACKERMANN.  
MORITZ FRÖHLICH.

Witnesses:

CHAS. WM. HUSS,  
GEO. L. WHEELOCK.