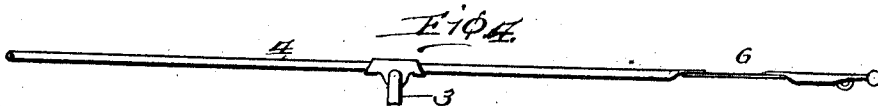
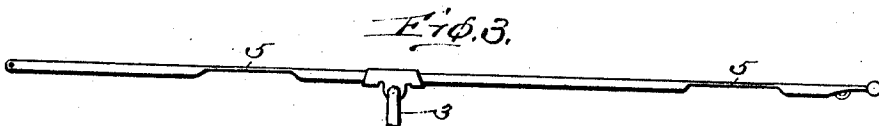
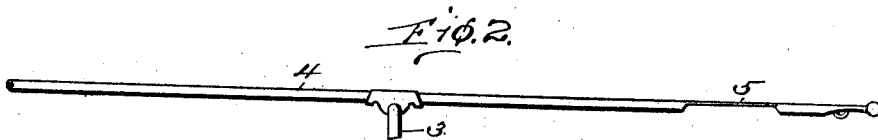
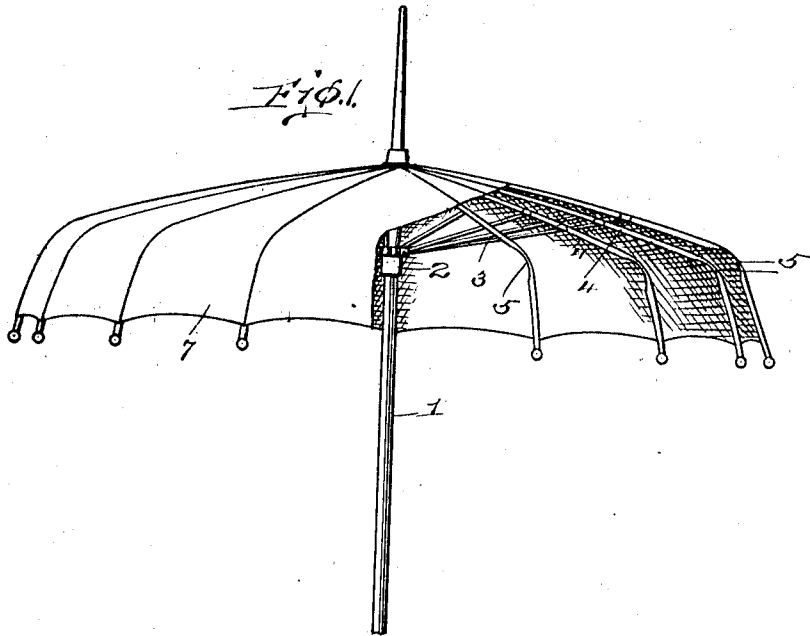


J. ROSE.
UMBRELLA AND PARASOL.
APPLICATION FILED MAY 8, 1910.

978,213.

Patented Dec. 13, 1910.



Witnesses
J. M. Fowler Jr.
N. L. Longley

Inventor
James Rose
David H. Mead
Attorney

UNITED STATES PATENT OFFICE.

JAMES ROSE, OF LANCASTER, PENNSYLVANIA.

UMBRELLA AND PARASOL.

978,213.

Specification of Letters Patent. Patented Dec. 13, 1910.

Application filed May 6, 1910. Serial No. 559,751.

To all whom it may concern:

Be it known that I, JAMES ROSE, a citizen of the United States, residing at Lancaster, in the county of Lancaster and State of Pennsylvania, have invented new and useful Improvements in Umbrellas and Parasols, of which the following is a specification.

This invention relates to umbrellas and parasols, and it relates particularly to the construction of the ribs and covers thereof.

The object of the invention is to provide a simple form of umbrella or parasol frame and cover, whereby when the cover is spread the ribs of the frame may be bent at any desired points, thereby giving an unusual and ornamental appearance to the article.

With these objects in view the invention consists essentially of an umbrella or parasol frame comprising ribs which are rendered more pliable or elastic than the ordinary ribs, at one or more points, in order that when tension is brought upon the ribs by the cover as the parasol or umbrella is raised a novel contour may be imparted to it.

The invention consists further of an umbrella or parasol comprising a frame having the ribs thereof rendered elastic or yielding at one or more points, and a cover having a contracted portion or portions adjacent to the yielding or elastic part or parts of the ribs in order that when the umbrella or parasol is raised the cover will be distorted from the conventional shape and a novel attractive form presented.

Further the invention consists of an umbrella frame having the ribs thereof flattened at one or more points in its length permitting one or more bends therein when tension is imposed by the cover when the umbrella is raised.

One form of the embodiment of my invention is illustrated in the accompanying drawings, in which,

Figure 1 represents a parasol incorporating the novel features, the parasol being shown as raised, and a portion of the cover, ribs and stretchers being broken away. Fig. 2 is a side elevation of one of the ribs employed in the frame; Fig. 3 is a modified form of rib in which two elastic portions or sections are provided in each rib, and, Fig. 4 is a side view of another modified form of rib.

In this drawing 1 represents the stick of the umbrella or parasol to which are attached through the medium of the usual runners 2 the stretchers 3 which are connected

at their upper ends by a suitable connection or gear to the ribs 4.

The ribs employed as component parts of the frame of the umbrella or parasol herein shown, are each provided with one or more flattened portions 5, or are otherwise formed to render them more yielding or elastic at one or more points than for the remainder of their lengths. In the form of rib herein shown each rib is formed with a flattened portion near the tip thereof and a short distance from where the edge of the cover is to be attached. The ribs shown are of the usual groove or paragon type which are incapable of being given an abrupt bend under ordinary strain, so that when they are flattened or otherwise rendered elastic near their ends they will be bent as indicated in Fig. 1 where unusual strain is imposed upon them, resulting in distorting them. Instead of simply flattening the ribs I may, as shown in Fig. 4 of the drawing, introduce an independent section 6 into each rib at the point where it is desired to have the ribs bend when an umbrella or parasol containing them is raised. This independent section may be of any suitable material, preferably of spring steel, and may be attached to the parts of the rib by riveting, soldering, or in any other suitable way.

In connection with the frame containing ribs such as those described I employ a cover 7 of such form as to cause all the ribs to bend at the points of flattening or of the introduction of the separate pieces, to give the desired shape to the article when raised. In the form of parasol shown in the drawing the elastic portions are placed near the end of each rib and the outer portion of the cover is contracted to a certain extent. The result is that when the umbrella or parasol approaches a raised position the contracted outer edge of the cover will confine the ends of the ribs and cause them to bend uniformly around the cover near the outer end thereof producing the dip shown particularly in Fig. 1 of the drawing, and presenting a desirable ornamental appearance. The character of the bend imparted to the ribs is governed by the shape of the cover attached to them. The ribs, by reason of the flattened portions with which they are provided, are capable of being bent to produce either a gradual curve at the point of bending, or they may be given an abrupt bend and thus impart to the cover the appearance.

of being supported by ribs which are hinged at the points of bending. Any form of bend intermediate between those suggested may be given the ribs according to the appearance to be assumed by the umbrella or parasol when raised. The ribs being made of the usual resilient material usually employed, it will be clear that when the umbrella or parasol is folded, the ribs will assume a straight form and thus may be compactly folded along the stick as in the ordinary form of frame.

While I have shown a specific form of cover in connection with the ribs containing the elastic portions, it will be understood that two or more elastic sections may be provided in each rib and that the cover may have two or more contracted parts each of which is located near one of the elastic parts of the ribs. In this way more than one dip or bend, either inward or outward, may be produced by simply raising the umbrella or parasol and thereby imposing strain on the ribs adjacent to the portions rendered more yielding or elastic than the remainder of the ribs to cause all the ribs to bend uniformly to produce the desired appearance.

The ribs shown and hereinbefore described are of the groove and paragon type, but it will be understood that I do not thereby limit myself to the use of this form. I may, if desirable, use solid round ribs rendered capable of bending easily at one or more

points in their lengths by reducing their diameter or by flattening them in one or more places.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. An umbrella or parasol comprising a frame having ribs each having an elastic section more yielding than the remainder of the rib, and a cover connected to the ribs and having a contracted portion extending entirely around the same, the contracted portion of the cover being adjacent to the elastic portions of the ribs, whereby when the umbrella or parasol is raised all the ribs will be abruptly bent at their yielding parts.

2. An umbrella or parasol comprising a frame having ribs each of which is flattened near its outer end, and a cover attached to the ribs and having a contracted outer edge.

3. An umbrella or parasol comprising ribs each of which is provided with a short flattened portion near its outer end, and a cover attached to the ribs and having a contracted outer edge.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JAMES ROSE.

Witnesses:

C. W. FOWLER,
A. G. DU BOIS.