

1,022,855.

A detailed technical drawing of a long, slender mechanical component, possibly a probe or stylus. It features a pointed tip, a central shaft with a flange, and a base with a threaded section.

WITNESSES:
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UNITED STATES PATENT OFFICE.

MARTIN MAKOWACZ, OF PITTSBURGH, PENNSYLVANIA.

FOLDING UMBRELLA.

1,022,855.

Specification of Letters Patent.

Patented Apr. 9, 1912.

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To all whom it may concern:

Be it known that I, MARTIN MAKOWACZ, a subject of the King of Hungary, residing at N. S. Pittsburgh, in the county of Alle-

gheny and State of Pennsylvania, have invented certain new and useful Improvements in Folding Umbrellas, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to folding umbrellas, and the objects of my invention are, first, to provide an umbrella that can be reduced in its longitudinal dimensions to form a comparatively small parcel that can be carried in the pocket or in a satchel; second, to provide an umbrella having a sectional stick and foldable ribs that can be easily and quickly manipulated to open or close the umbrella, and third, to provide the ribs of the umbrella with novel means, in a manner as will be hereinafter set forth for maintaining the rib section in an extended position.

I attain the above objects by a mechanical construction that will be hereinafter specifically described and then claimed.

Reference will now be had to the drawing, wherein:—

Figure 1 is an elevation of an umbrella stick and rib, showing the rib in a raised position and the stick partly broken away and partly in section, Fig. 2 is a similar view of a portion of the umbrella showing the rib folded, Fig. 3 is an enlarged plan of a portion of a rib, and Fig. 4 is a side elevation of the same.

The umbrella stick comprises a handle section 1, a tip section 2 and a tip 3, the upper ends of the sections 1 and 2 having sockets 4 with the walls thereof screw threaded to receive the exteriorly screw threaded depending stems 5 carried by the lower ends of the section 2 and the tip 3. The lower end of the section 1 is screw threaded and is adapted to screw into a socket 6 provided therefor in the upper end of a handle 7.

Mounted upon the upper end of the section 2 is a notch 8 and connected to said notch in the ordinary and well-known manner is an inner rib section 9. Pivotally connected by a pin 10 to the outer end of the section 9 is a link 11 and this link is pivotally connected by a pin 12 to the inner end of an outer rib section 13. One side of the

link 11 is provided with a holder 14 for a longitudinal rod 15, said holder being formed integral with the rod 15 intermediate the ends thereof, whereby the ends of said rod can extend along one side of each of the sections 9 and 13. The ends of the rod 15 are adapted to engage under resilient straps or clips 16 soldered or otherwise connected to the sections 9 and 13 adjacent to the link 11. The ends of the rod 15 are frictionally held by the clips 16 and said rod coöperates with the clips in maintaining the sections 9 and 13 in longitudinal alignment. When the sections of the ribs are folded, an end of the rod 15 passes out of the clip 16 as the ribs 9 and 13 swing on pivots 10 and 12 carried by the link 11.

Slidably mounted upon the stick is a runner 17 and pivotally connected to the runner in the ordinary and well known manner, as at 18 is a stretcher 19 having the outer end thereof pivotally connected by a pin 20 to an apertured lug 21, carried adjacent to the outer end of the rib section 9. The runner 17 is adapted to be held in a raised or lowered position by ordinary catches 22.

The rib sections of the umbrella are adapted to support a cover 23, which is connected to the rib sections in a manner that will not interfere with the folding of the sections, as shown in Fig. 2.

What I claim is:—

In a folding umbrella, the combination with a sectional stick having a notch, a runner and a stretcher, of an inner rib section pivotally connected to said notch and to the outer end of said stretcher, an outer rib section, a link having the ends thereof pivotally connected to the lower end of said inner rib section and the upper end of said outer rib section, a holder carried by one side of said link, a rod carried by said holder and adapted to have the ends thereof extend along one side of each rib section, and a resilient clip carried by each rib section adjacent to said link and adapted to receive the end of said rod, substantially as, and for the purposes herein described.

In testimony whereof I affix my signature in the presence of two witnesses.

MARTIN MAKOWACZ.

Witnesses:

Y. DUEHE,
MAX H. SROLOVITZ.