W. S. WILSON.

UMBRELLA OR PARASOL.

APPLICATION FILED JULY 29, 1919.

1,397,667.

Patented Nov. 22, 1921.

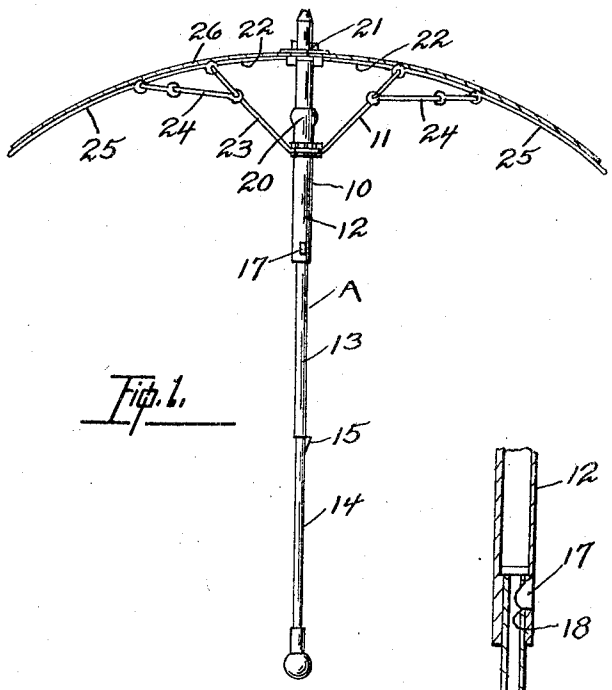


Fig. 1.

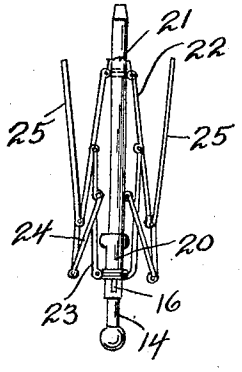


Fig. 2.

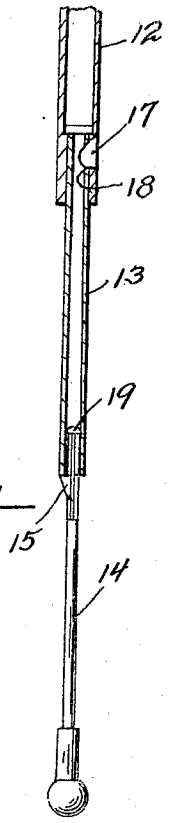


Fig. 3.

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WILLIAM SAMUEL WILSON, OF CASCADES, QUEBEC, CANADA.

UMBRELLA OR PARASOL.

1,397,667. Specification of Letters Patent. Patented Nov. 22, 1921.

Application filed July 29, 1919. Serial No. 314,047.

To all whom it may concern:

Be it known that I, WILLIAM SAMUEL WILSON, a subject of the King of Great Britain, and resident of the Cascades, in the Province of Quebec, Dominion of Canada, have invented certain new and useful Improvements in Umbrellas or Parasols, of which the following is a specification.

This invention relates to improvements in umbrellas or parasols, and the objects of the invention are to render the umbrella or parasol collapsible, so that when it is not in use it may be folded to occupy a minimum of space.

The ordinary umbrella at present in use often proves a source of annoyance in theaters, tramcars, hotels and other public places where it is impossible to check the same or leave it in a cloak room, and according to the present invention the umbrella or parasol is designed to fold up into a compact bundle about twelve inches in length capable of being placed in an overcoat pocket.

Further objects are to render the parasol or umbrella automatically self-adjusting when being opened, and generally to adapt the several parts to better perform the functions required of them.

With these and other objects in view, the invention consists essentially of the improved construction particularly described and set forth in the following specification and accompanying drawings forming part of the same.

In the drawings:—

Figure 1 is a sectional elevation of an umbrella or parasol embodying my invention.

Fig. 2 is a side elevation of part of the skeleton frame of a parasol or umbrella as seen when being folded.

Fig. 3 is a sectional elevation of the handle and stick.

Like characters of reference refer to like parts in the several figures.

Referring to the drawings, A represents an umbrella or parasol comprising a stick 10 and skeleton frame 11. The stick 10 is made in three sections 12, 13 and 14 telescopically attached, the last of which is provided with a spring clip 15 designed to engage with the lower edge of the hollow section 13 when the sections 13 and 14 have been opened.

The hollow section 12 is provided with an orifice 16 on which a spring catch member 17 is operatively mounted, this member extending through a slot 18 in the section 13.

It should be particularly noted that the spring clip 17 has a rounded cam faced inner edge adapted to engage with the upper enlarged end 19 of the section 14 when the last said section has been closed, so that it will release the spring catch member 17 and permit of the section 13 being slid into the section 12.

On the section 12 a sleeve 20 is slidably mounted and toward the point of the said section, a collar 21 is rigidly positioned. The collar 21 and the sleeve 20 carry the skeleton frame 11 of the parasol or umbrella.

On the collar 21 a plurality of ribs 22 are pivotally mounted and these ribs are connected intermediate of their length by links 23 to the sleeve 20. The links 23 are connected intermediate of their length to one end of a link 24, the opposite end of which is attached to the shorter arm of a rod 25 which is pivotally attached intermediate of its length to the end of the rib 22, and when the umbrella or parasol is opened the longer arm of the rod 25 forms a continuation of the rib 22.

The ribs are covered with the usual covering 26. When the umbrella is to be used, the section 14 is pulled outwardly from the section 13 until the clip 15 engages with the end of the section 13, whereupon the section 13 is pulled outwardly from the section 12 until the spring clip 17 engages with the orifice 18 in the tubular member 13.

The sleeve 20 is now slid toward the point of the section 12 and in so doing the links 23 open the ribs 22 radially relatively to the collar 21, and simultaneously with this motion the links 24 rotate the rods 25 about their pivotal points causing the longer arms of the said rods to come into alinement with the ribs 22.

In closing the umbrella or parasol the sleeve 20 is slid downwardly on the section 12 of the stick, causing the links 23 to transmit a pull to the ribs 22 and so fold the ribs along the outside of the section 12, and during this motion the links 23 cause the rods 25 to be rotated about their pivotal points, so that the said rods will lie alongside the outer face of the ribs 22.

The spring clip 15 of the handle section 14 is now released and the said section pushed into the tubular section 13 of the stick, and the head 19 engages with and laterally dis-

places the catch 17, thus allowing the section 13 to be pushed into the section 12, so that the umbrella or parasol now occupies a collapsible position shown in Fig. 2.

As many changes could be made in the above construction, and many apparently widely different embodiments of my invention, within the scope of the claims, constructed without departing from the spirit or scope thereof, it is intended that all matter contained in the following specification and accompanying drawings, shall be interpreted as illustrative and not in a limiting sense.

What I claim as my invention is:—

An article of the class described comprising a sectional stick, a collar on the end of the stick, a sleeve slidably mounted on the stick, ribs pivotally attached to the collar, stretchers pivotally connected to the ribs intermediate of the length thereof and attached to the sleeve, rods pivotally mounted intermediate of their length to the ends of the ribs, the arms of the rods being of unequal length, the longer arms forming continuations of the ribs, and links connecting the shorter arms of the rods to the said stretchers intermediate of the length thereof.

In witness whereof I have hereunto set my hand.

WILLIAM SAMUEL WILSON.