

No. 665,878.

Patented Jan. 15, 1901.

W. W. CLIMENSON & W. D. WINGER.

UMBRELLA.

(Application filed Oct. 30, 1899.)

(No Model.)

Fig. 2.

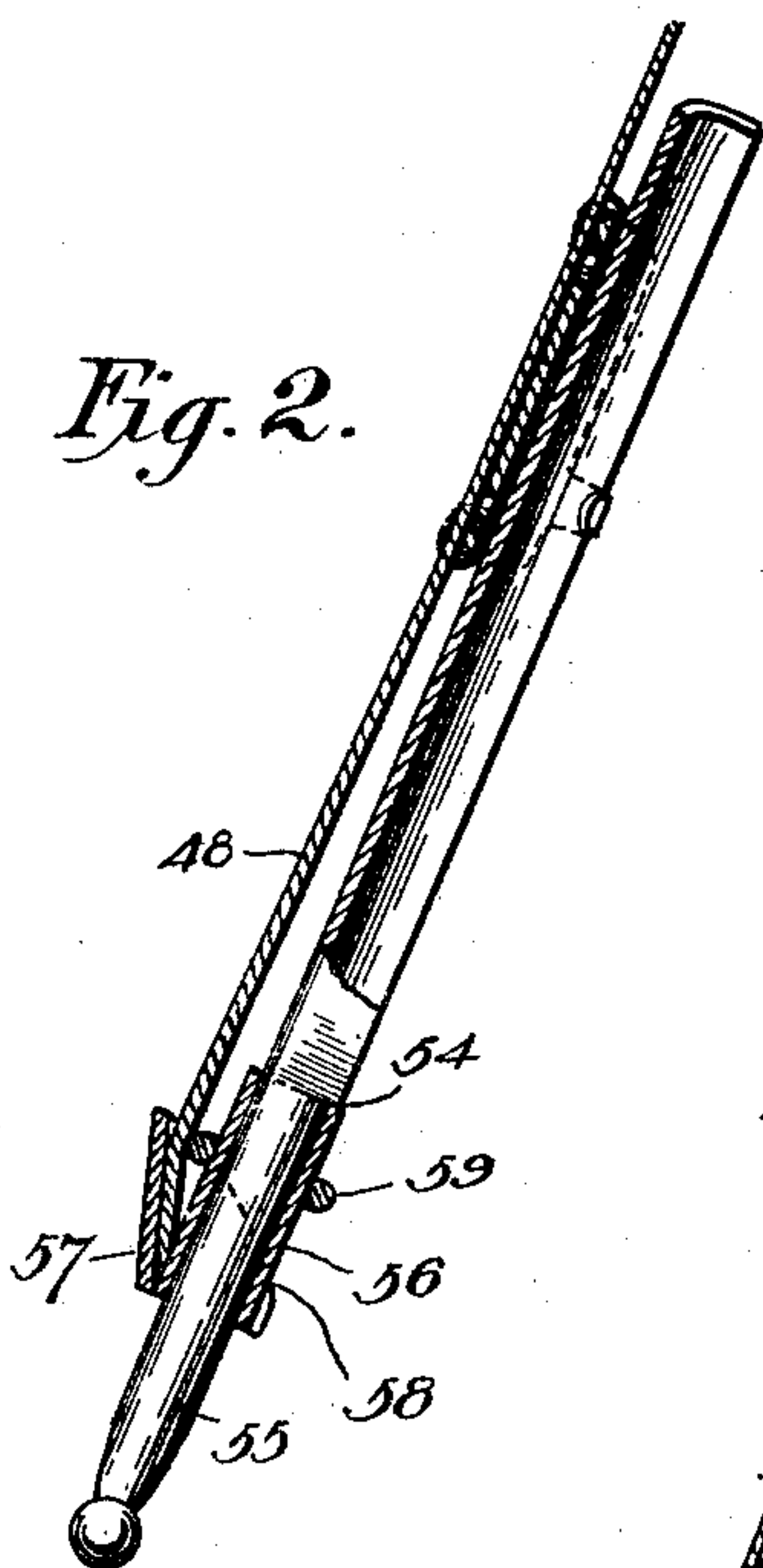


Fig. 1.

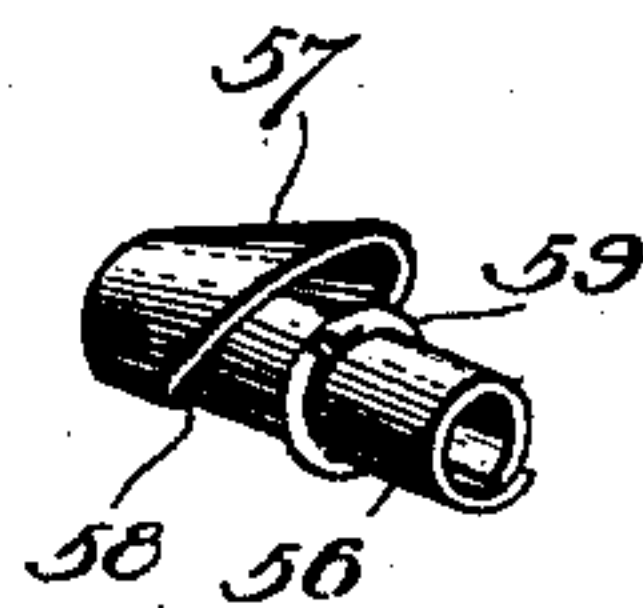
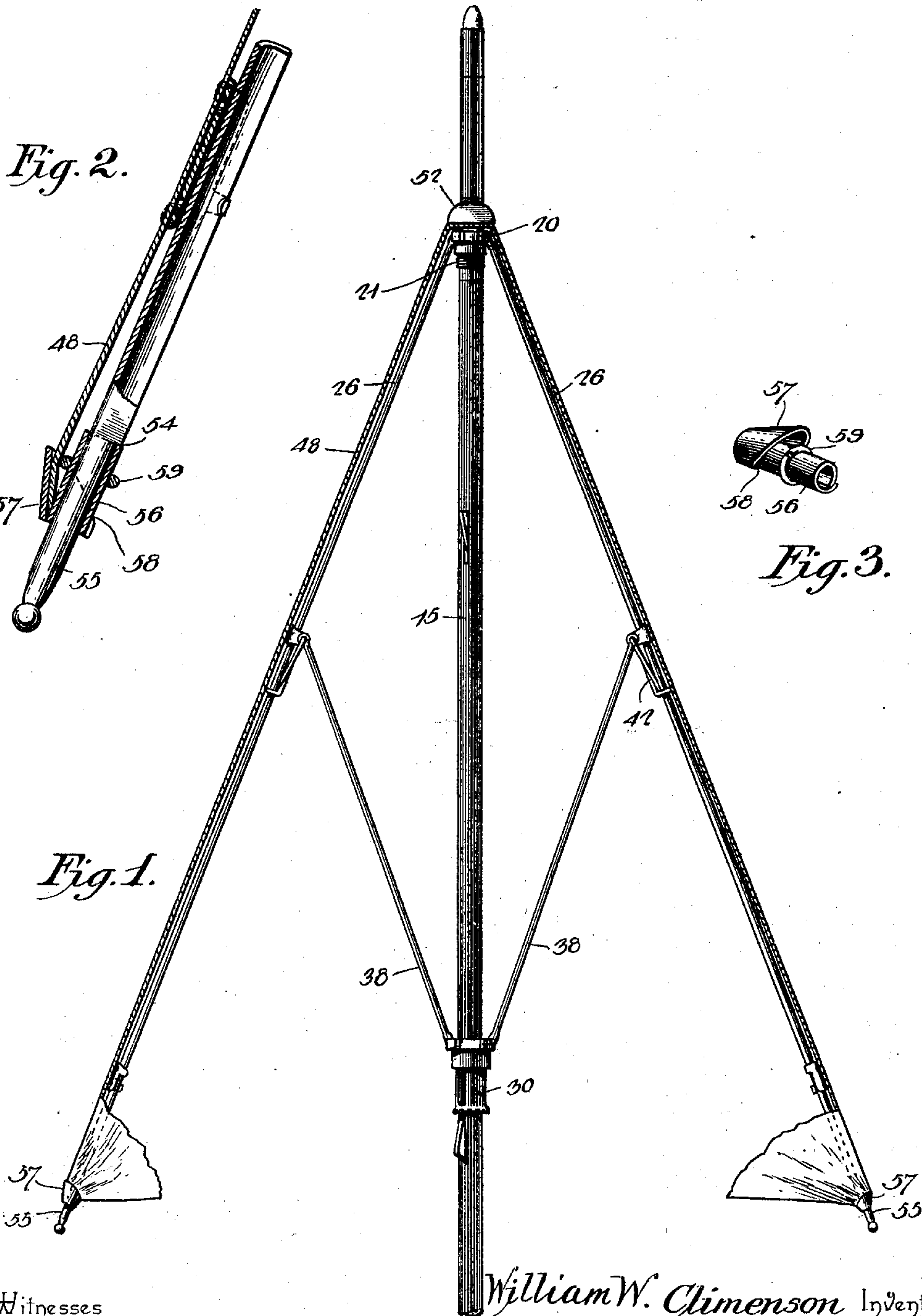


Fig. 3.

Witnesses

J. Frank Leuwelwell.

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UNITED STATES PATENT OFFICE.

WILLIAM W. CLIMENSON AND WILLIAM D. WINGER, OF HONEY BROOK,
PENNSYLVANIA.

UMBRELLA.

SPECIFICATION forming part of Letters Patent No. 665,878, dated January 15, 1901.

Application filed October 30, 1899. Serial No. 735,333. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM W. CLIMENSON and WILLIAM D. WINGER, citizens of the United States, residing at Honey Brook, in the county of Chester and State of Pennsylvania, have invented a new and useful Umbrella-Tip, of which the following is a specification.

This invention relates to umbrellas in general, and more particularly to that class from which the covers are adapted to be removed, the invention having specific reference to the tip for securing the cover upon the ribs.

The object of the invention is to provide a simple and efficient construction of the tip by means of which the cover may be easily applied to and removed from the frame of the umbrella, and in which, furthermore, the cover will be securely held to the tip and in such manner as not to tear or wear excessively.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 shows in elevation the upper portion of an umbrella-stick with the frame of the umbrella thereon, a portion of the cover being shown provided with the tips constructed in accordance with this invention. Fig. 2 is a detail view, partly in section and partly in elevation, showing the end of a rib with a tip engaged therewith. Fig. 3 is a detail perspective view of the removable tip.

Referring now to the drawings, 15 represents the stick of an umbrella having a notch secured thereto adjacent its upper end, while a runner is slidably disposed upon the stick adjacent its lower end, the notch and runner being shown at 20 and 30, respectively. With the notch are engaged the usual ribs 26, having spreaders 38, attached pivotally and similarly connected with the runner, whereby the ribs may be folded and unfolded with respect to the stick as the runner is operated. A cover 48 is also provided and has a central opening through which the end of the stick is passed, the cover being clamped against the notch in any suitable and well-known manner, such as by a cap which is screwed upon the sleeve 21 of the notch, as shown at 52.

The points of the umbrella-cover are provided with tips constructed in accordance

with the present invention, and which tips consist each of a sleeve 56, which is adapted to pass over the end of a rib of the umbrella-frame and to lie upon the tapered portion thereof, as shown in Fig. 2 of the drawings. Upon the sleeve 56 is soldered or otherwise secured a bead 59, which, however, may be formed integral, if desired, and secured to the outer end of the collar and concentric therewith is a frusto-conical shell 57, which extends rearwardly to lie above the bead 59. This shell 57 terminates at that side corresponding to the inner side of the umbrella-cover at a point adjacent the outer end of the sleeve 56, so that the lower side of the sleeve is uncovered by the rearward taper of the shell to permit the ready adjustment of the fabric of the umbrella-cover which is disposed between the shell and the bend upon the sleeve. The corner of the cover is passed beyond the bead and is then wrapped or sewed beyond the bead, so that it is held tightly against the sleeve and is prevented from slipping rearwardly of the latter. The cut-away portion of the shell permits the ready application of the wrapping and the tying of the wrapping cord or thread, while the shell protects the fabric of the cover from wear.

What is claimed is—

1. An umbrella-tip comprising a tubular portion adapted to receive a rib, said tubular portion having an enlargement upon its outer face, and a tapered shell secured at its minor end to the forward end of the tubular portion and having its major end extended to lie above the enlargement of the tubular portion and separated therefrom by an interspace, whereby the fabric of a cover may be disposed between the shell and the tubular portion and beyond the enlargement of the latter, and may receive wrappings beyond the enlargement, to hold the cover from displacement, and whereby the shell will protect the cover at its susceptible portion.

2. An umbrella-tip comprising a tubular sleeve adapted to fit over a rib, said sleeve having an enlargement upon its outer face, and a shell secured to one end of the tubular sleeve and extending in the direction of the enlargement, said shell at one portion terminating short of the enlargement and at an-

other point lying above the enlargement and separated therefrom by an interspace to permit insertion and removal of the cover, and whereby a binding may be passed around the
5 cover between the enlargement of the sleeve and the point of attachment of the shell to the sleeve, to prevent withdrawal of the cover.

In testimony that we claim the foregoing as

our own we have hereto affixed our signatures in the presence of two witnesses.

WILLIAM W. CLIMENSON.
WILLIAM D. WINGER.

Witnesses:

HOWARD STAUFFER,
HARVEY B. LAURENCE.