

No. 881,634.

PATENTED MAR. 10, 1908.

R. SUTER.

UMBRELLA RUNNER.

APPLICATION FILED MAY 31, 1907.

Fig. 1.

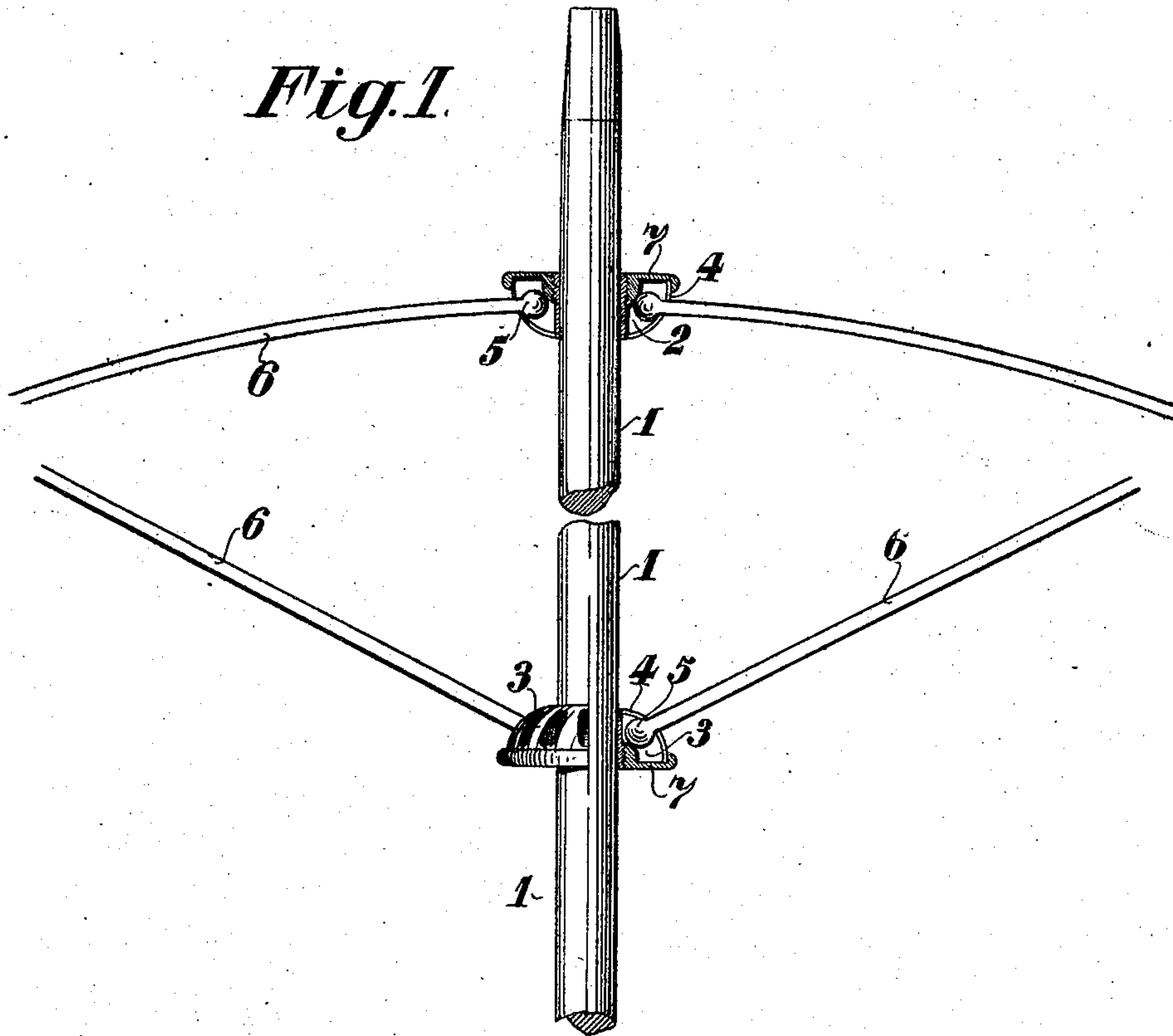
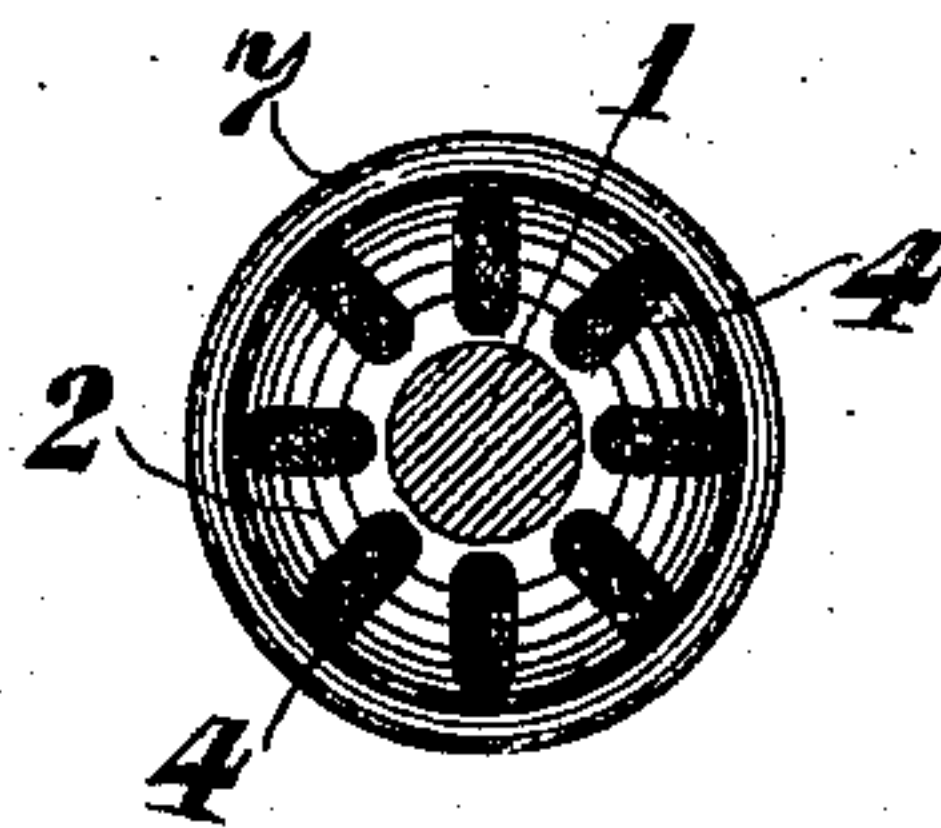


Fig. 2.



Witnesses:

A. Lieberknecht

Carroll Treck

Inventor:

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UNITED STATES PATENT OFFICE.

RUDOLF SUTER, OF KÖLLIKEN, SWITZERLAND.

UMBRELLA-RUNNER.

No. 881,634.

Specification of Letters Patent.

Patented March 10, 1908.

Application filed May 31, 1907. Serial No. 376,709.

To all whom it may concern:

Be it known that I, RUDOLF SUTER, a citizen of the Republic of Switzerland, residing at Kölliken, Switzerland, have invented certain new and useful Improvements in Umbrella-Runners, of which the following is a full, clear, and exact specification.

The present invention relates to umbrellas, parasols and the like, and more especially to a form of runner which offers the advantage that the ribs can easily be fitted into the runners or thimbles and are not subject to deterioration by the action of rust.

The accompanying drawing, which forms part of the specification illustrates by way of an example in what manner the invention is to be performed.

Figure 1 is a side elevation representing in part a sectional elevation. Fig. 2 is a view from below of the upper fixed thimble.

The umbrella stick 1 is provided with an upper fixed thimble 2 and a lower thimble or runner 3. Each thimble is provided with outer screw threads 8 at one end and with a curved flange at the other end having slots 4 into which the ball shaped ends 5 of the rib 6 can be inserted. The screw thread is adapted to receive a nut 7 the edge of which is rounded approximately concentric to the curve of the slotted flange so that by screwing home the nut 7 this curved edge comes in contact with the ball ends 5 of the ribs and

keeps the ribs in the slots without any lost motion or play. The broad flange of the nut 7 serves to close the slots 4 so that the ribs, when inserted cannot fall out.

9 is a broad depending flange, which fits over the curved slotted flange and serves as a resistance to the tension imparted to said flange when the parasol is raised.

It will be readily seen that it is very easy to assemble the parts of an umbrella as described and that the ribs will have the tendency to stand out radially because the ball ends are forced closely into the slots.

Having thus described my invention, what I claim is:—

In an umbrella, or parasol, the combination with a stick, provided with a thimble, having screw threads on one end and a curved slotted flange at the other, adapted to receive the ball end of ribs, a nut with an inwardly rounded projecting edge to bear against the ball ends of the ribs, said nut having a broadened flange, at the outer edge of which is a depending portion adapted to secure the slotted ends of the thimble.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses.

RUDOLF SUTER.

Witnesses:

ERNST FRECH,
A. LIEBERKNECHT.