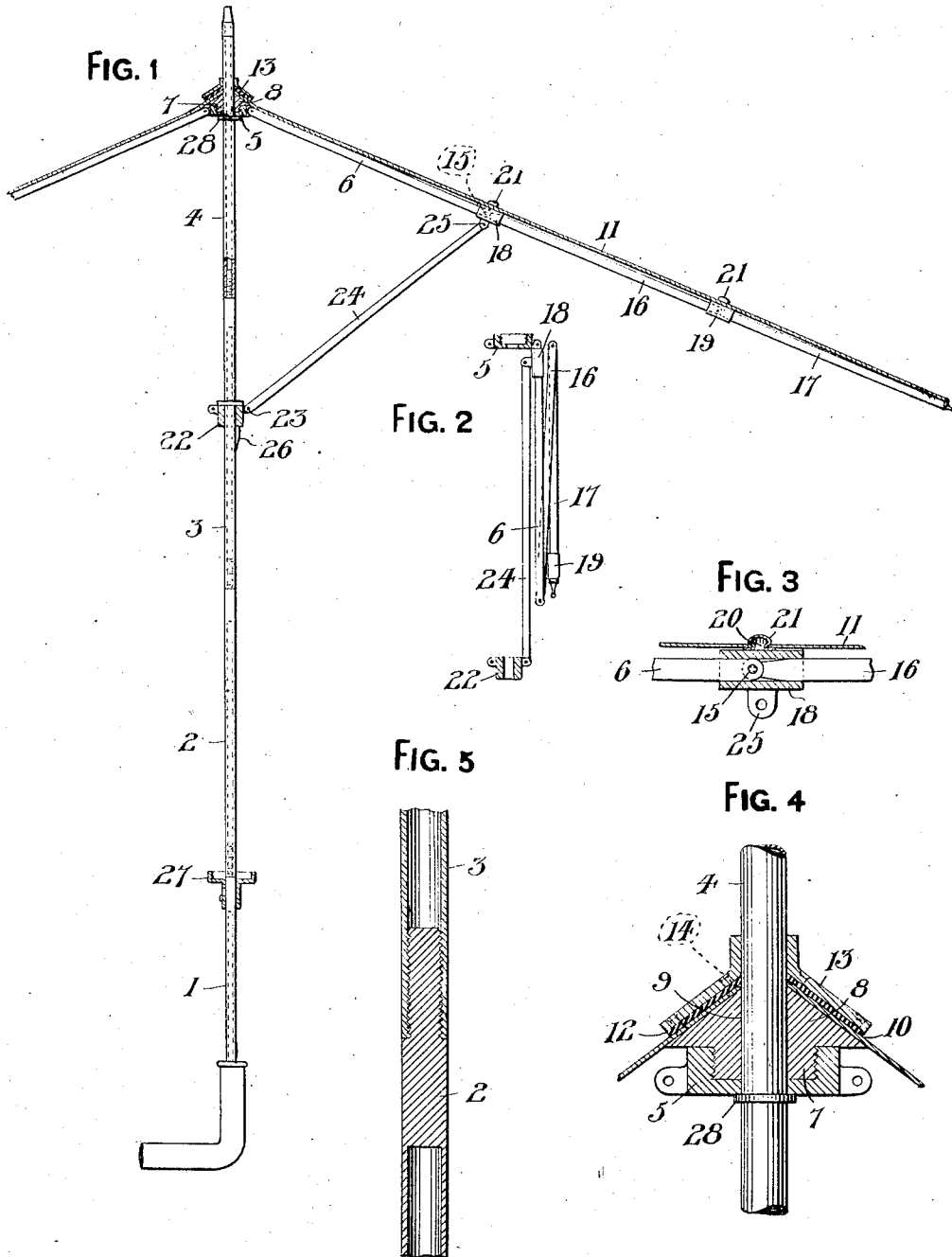


L. MAKO.
UMBRELLA.

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1,003,366.

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WITNESSES:

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LOUIS MAKO, OF DAYTON, OHIO.

UMBRELLA.

1,003,366.

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To all whom it may concern:

Be it known that I, LOUIS MAKO, a subject of the King of Hungary, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Umbrellas, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to umbrellas, and the objects of my invention are to provide an umbrella with a detachable cover that assists in maintaining the ribs of the umbrella in an extended position; and to accomplish the above results by a mechanical construction that is simple, durable, and efficient for the purposes for which it is intended.

20 With the above and other objects in view the invention resides in a novel construction, combination and arrangement of parts to be hereinafter specifically described and then claimed.

Reference will now be had to the drawing, wherein:—Figure 1 is a side elevation of a portion of an umbrella showing the cover thereof in sections. Fig. 2 is a side elevation of the ribs of the umbrella folded. Fig. 3 is an enlarged longitudinal sectional view of a sleeve used in connection with the ribs. Fig. 4 is the enlarged vertical sectional view of a notch of the umbrella, and Fig. 5 is the enlarged vertical sectional view of a portion of the stick.

35 The stick of the umbrella comprises a handle section 1 intermediate sections 2 and 3 and a tip section 4. The upper ends of the sections 1, 2 and 3 are reduced and exteriorly screw threaded, as at 4 to engage in the lower ends of the sections 2, 3 and 4. Loosely mounted upon the tip section 4 is a notch 5 to which are connected the inner sections 6 of the ribs of the umbrella, the connection being made in the ordinary and well known manner. Mounted in the notch 5 and surrounding the section 4 is the lower exteriorly threaded end 7 of a comb-shaped head 8, said head having an opening 9 providing clearance for the section 4. Mounted upon the head 8 is the central portion 10 of a cover 11 and retaining the central portion 10 upon the head is a rubber gasket 12

and a cap 13, said cap being riveted or otherwise secured, as at 14 to the head 8. Pivotally connected to the outer end of the rib section 6, as at 15 is an intermediate rib section 16 and pivotally connected to the outer end of said intermediate section is an outer rib section 17. The sections 6, 16 and 17 are retained in longitudinal alinement by sleeves 18 and 19 slidably mounted upon said sections and adapted to be shifted over the pivotal connections of said sections to maintain said sections rigid. The sleeves 18 and 19 are provided with clasp members 20 and the cover 11 has clasp members 21 adapted to engage the members 20. The cover has the outer edges thereof detachably connected to the outer ends of the rib sections 17, and when said cover is stretched and the clasp members 21 connected to the members 20 the sleeves 18 and 19 will be retained in position. Slidably mounted upon the stick is a runner 22 and pivotally connected to said runner in the ordinary and well known manner, as at 23 are spreaders 24 having the outer ends thereof pivotally connected to apertured lugs 25, carried by the sleeves 18. The runner 22 is adapted to be held in a raised position upon the stick section 3 by the ordinary form of catch 26, and to retain the ribs of the runner in a lowered position, a ferrule or cap 27 is movably mounted upon the stick section 1 to engage the outer ends of the rib sections 17. The notch 5 is detachably supported upon the tip section 4 of the stick by a collar 28 mounted upon the said section.

From the foregoing it will be observed that the stick sections can be separated, the clasps released from the rib section, the notch and runners removed from the stick section and the ribs folded as shown in Fig. 2.

What I claim is:—

An umbrella comprising a stick, a runner mounted thereon, a collar mounted upon the stick, a notch positioned against said collar and provided with a counter-sunk portion having the wall thereof threaded, a cone-shaped head having a depending threaded end extending in the counter-sunk portion of the notch and secured to the threaded walls thereof, said head seated upon the top

of the notch, ribs connected to the notch,
spreaders connecting the runner to the ribs,
a cover mounted upon the ribs and upon
said head, a gasket mounted against that
5 portion of the cover positioned upon the
head, a cap arranged against the gasket,
and means for securing the cap to the head.

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

LOUIS MAKO.

Witnesses:

JOHN J. HOOVER,
ARVID TOTHE.