

# W. Watson, Umbrella's Parasol.

116899

Fig:1.

PATENTED JUL 11 1871

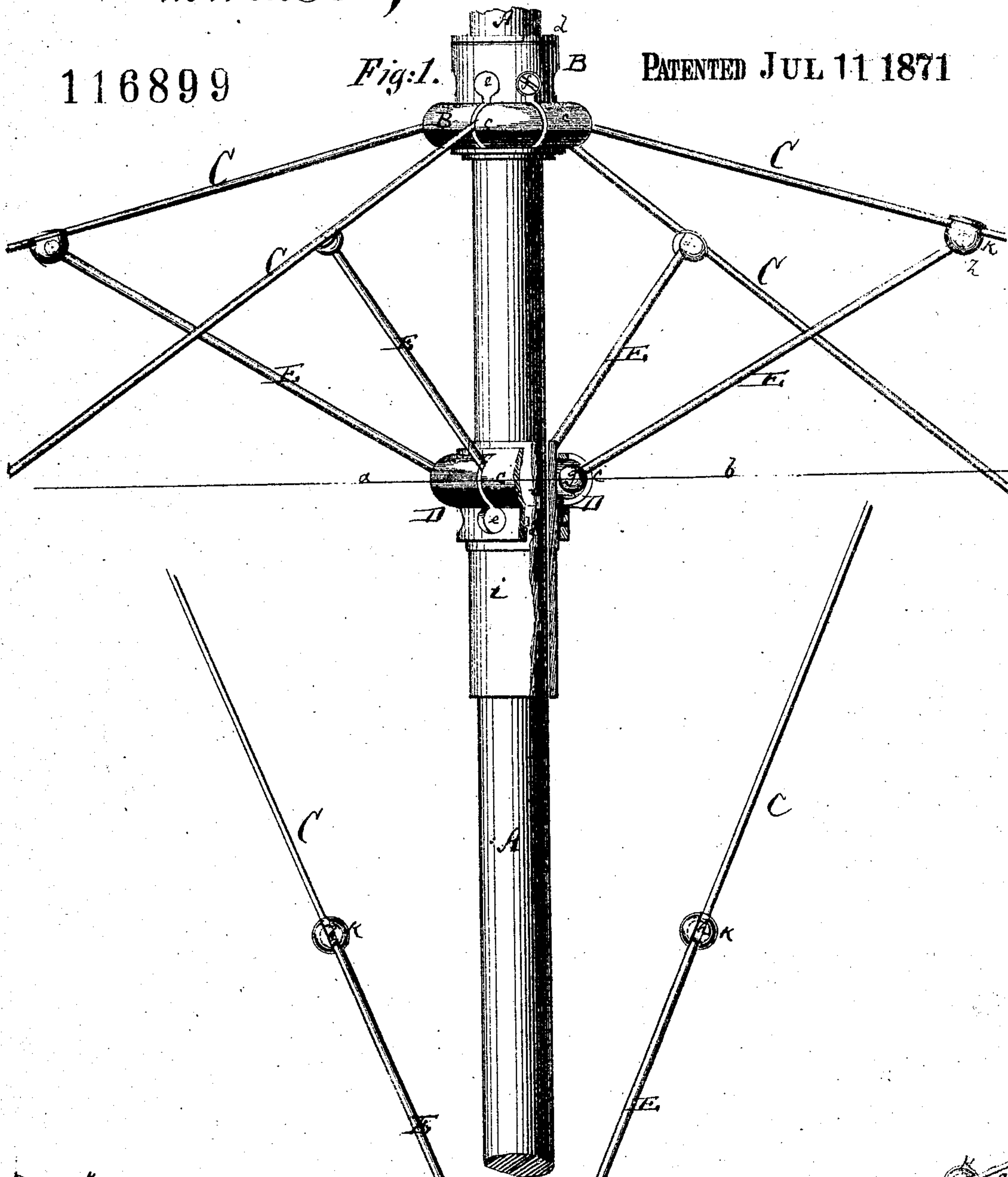
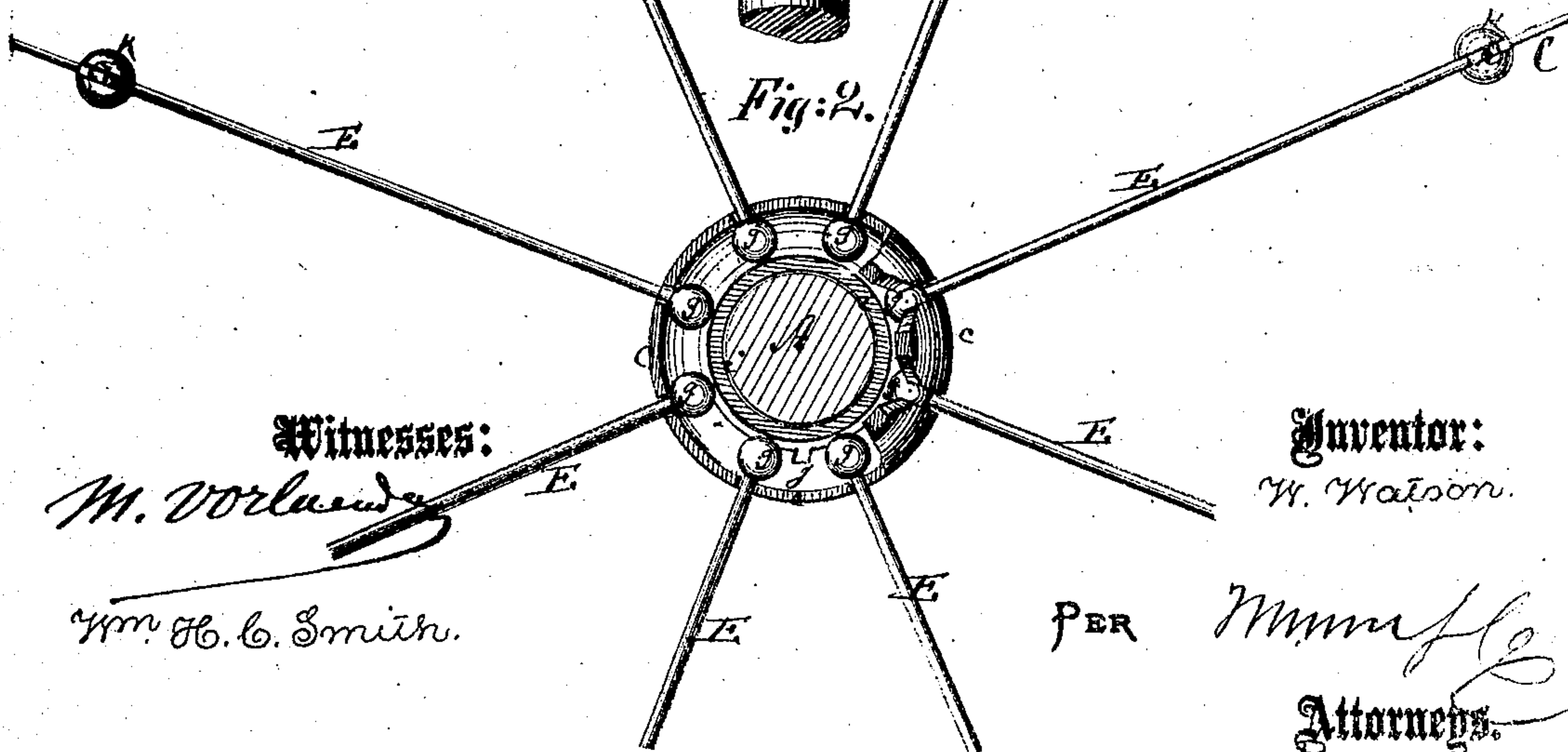


Fig:2.



Witnesses:

M. Vorländer

Wm. H. C. Smith.

Inventor:

W. Watson.

PER

M. H. C. Smith

Attorneys.



# UNITED STATES PATENT OFFICE.

WALTER WATSON, OF FAYETTEVILLE, NORTH CAROLINA.

## IMPROVEMENT IN UMBRELLAS.

Specification forming part of Letters Patent No. 116,899, dated July 11, 1871.

*To all whom it may concern:*

Be it known that I, WALTER WATSON, of Fayetteville, in the county of Cumberland and State of North Carolina, have invented a new and useful Improvement in Umbrellas and Parasols; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 represents a side view, partly in section, of my improved umbrella. Fig. 2 is a horizontal section of the same on the line *a b*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention consists in improving umbrellas and parasols, as hereinafter fully described and subsequently pointed out in the claim.

A in the drawing represents the stick of the umbrella or parasol. B is the upper sleeve, firmly secured to the stick, to connect the inner ends of the ribs C C with the same. D is the slide, put loose upon the stick and holding the inner ends of the braces E E. The inner ends of the ribs are provided with balls, which are fitted through apertures *e* in the side of the sleeve and drawn into an enlargement, *c*, of the same, which is slotted, as shown, to let the ribs pass through, but retain the balls. A conical or cylindrical ring, *d*, is secured upon the stick within the sleeve after the balls have been inserted, to prevent the same from playing up to the apertures *e*. Screws *f* secure sleeve and ring to the stick. Whenever the ribs are to be detached from the stick the screws *f* are drawn out and the ring *d* taken off,

when the balls can be put through the apertures *e*. While connected the ribs play freely on the ball-joints. The braces E have balls *g h* at both ends. The balls *g* at their inner ends are inserted through apertures *e* of the slide into an enlargement, *c*, of the same kind and style as described for the sleeve. A ring, *i*, is inserted within the slide to confine the balls to the enlargement, and is held in place by a projecting pin, *j*, which supports it on an inner shoulder of the slide. The ring *i* is introduced through the lower end of the slide, the pin *j* entering through a slot in the shoulder, and is then turned to carry the pin to the side of the slot and prevent the ring from dropping out. The balls *h* at the outer ends of the braces are held between clasps *k k*, which are affixed to the ribs, as shown. Each clasp *k* is made in form of a hollow sphere, and slotted to form two wings, as shown, which can be bent apart to admit the balls and then closed over them, as shown.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A sleeve, having apertures *e* and slotted enlargement *c*, combined with detachable conical ring *d*, screws *f*, stick A, and ball-ended ribs C, all constructed as and for the purpose specified.

2. The movable slide D, having apertures and enlargements *c*, combined with ring *i*, pin *j*, stick A, and ball-ended braces E, all constructed as and for the purpose described.

WALTER WATSON.

Witnesses:

GEO. M. ROSE,  
D. S. MAULTSBY.