

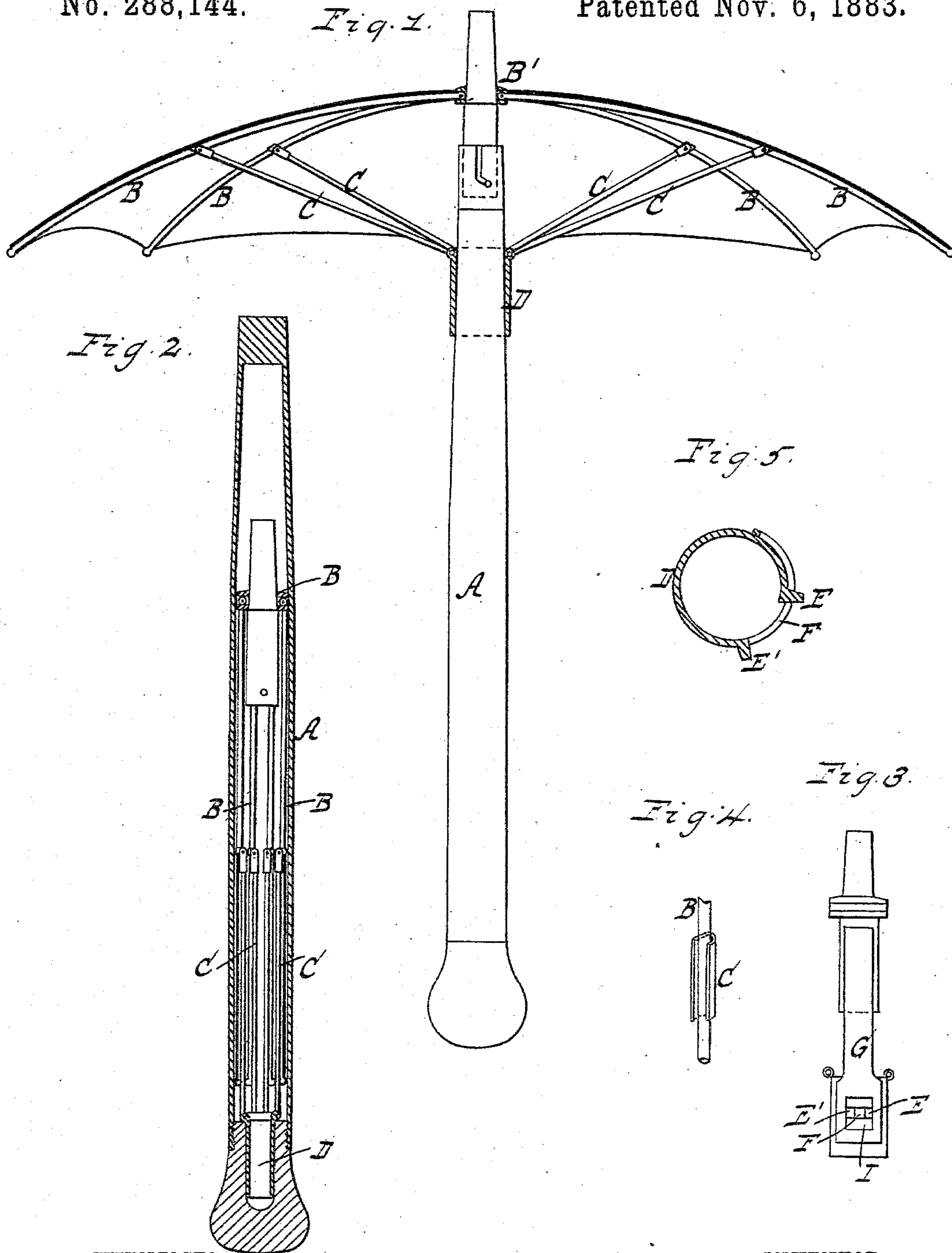
(No Model.)

H. A. WHITING & W. J. WINGHART.

COMBINED UMBRELLA AND CANE.

No. 288,144.

Patented Nov. 6, 1883.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HENRY A. WHITING, OF BROOKLYN, AND WILLIAM J. WINGHART, OF
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COMBINED UMBRELLA AND CANE.

SPECIFICATION forming part of Letters Patent No. 288,144, dated November 6, 1883.

Application filed June 14, 1883. (No model.)

To all whom it may concern:

Be it known that we, HENRY A. WHITING, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, and WILLIAM J. WINGHART, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in a Combined Umbrella and Cane, of which the following is a specification.

This invention relates to the construction of the umbrella portion of a combined umbrella and cane; and it consists in making the runners in form of an elastic metallic ring-shaped band having overlapping ends to allow the runner to contract when the umbrella is placed into the cane, and at the same time accommodate itself to the cane when in use; further, in providing said band with two spurs, one at one end to work in a slot extending inward from the other end, and the other at the inner end of said slot, with the band being combined a suspension-rod having a hole to receive the spurs for retaining the runner in an upper position.

This invention is illustrated in the accompanying drawings, in which Figure 1 is a longitudinal section, showing the umbrella applied to the cane and opened. Fig. 2 is a similar section, showing the umbrella detached, folded, and placed in the cane. Fig. 3 is a detail view of the runner and suspension-rod. Fig. 4 is a similar view of one of the stretchers. Fig. 5 is a cross-section of the runner.

Similar letters indicate corresponding parts.

The letter A designates the cane, which is hollow and open at the upper end to receive the umbrella, it being provided with a suitable cap at that place.

B indicates the umbrella-ribs, connected to the usual crown-ring, B', which is fastened to the tip or lower end of the cane, when in use, by a bayonet-joint or other suitable means.

C denotes the stretchers of the umbrella.

These stretchers are U-shaped in cross-section, so that when the umbrella is closed the ribs may fold into the stretchers, the ribs be-

ing round, as usual, and by this means the size of the umbrella is obviously diminished.

The letter D indicates the umbrella-runner. This runner is composed of an elastic metallic band, which is bent to the shape of a ring, and one end of which overlaps the other, so that this runner may contract and fit into the hollow cane, while it readily accommodates itself to the external shape or diameter of the cane when in use. E E' are the spurs of said band composing the runner, and F its slot. The spur E is at one end of the band and works in the slot F in the expansion and contraction of the band, while the spur E' is at the inner end of the slot.

G is the suspension-rod, which serves to retain the runner D in an upper position for keeping the umbrella open. This rod is hung to the cane at one end when in use, and is provided at or near the other end with a hole or slot, I, adapted to receive both spurs E E'. When the runner has been moved up to the proper position on the cane, the spurs E E' are sprung into the hole I of the suspension-rod, and, owing to the tendency of said spurs to recede from each other, due to the elasticity of the runner, they are very firmly held in said hole.

If desirable, the slot F of the band composing the runner may be omitted, in which case the spurs E E' may be placed at the ends of the bands, which ends may then approach each other without overlapping.

What we claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the umbrella ribs and stretchers, of the runner composed of an elastic metallic ring-shaped band having overlapping ends, substantially as and for the purpose set forth.

2. The combination, with the umbrella ribs and stretchers, of the runner composed of an elastic metallic ring-shaped band having overlapping ends, and having a slot extending inward from one end, the spurs, one located at one end of said band to work in the slot, and the other at the inner end of the slot, and

the suspension-rod having a hole to receive said spurs, substantially as and for the purpose described.

3. The combination, with the umbrella ribs
5 and stretchers, of the runner composed of an elastic ring-shaped band having the spurs E E', and the suspension-rod having a hole to receive said spurs, substantially as and for the purpose set forth.

In testimony whereof we have hereunto set to our hands and seals in the presence of two subscribing witnesses.

HENRY A. WHITING. [L. S.]
WILLIAM J. WINGHART. [L. S.]

Witnesses:

CHAS. WAHLERS,
E. F. KASTENHUBER.