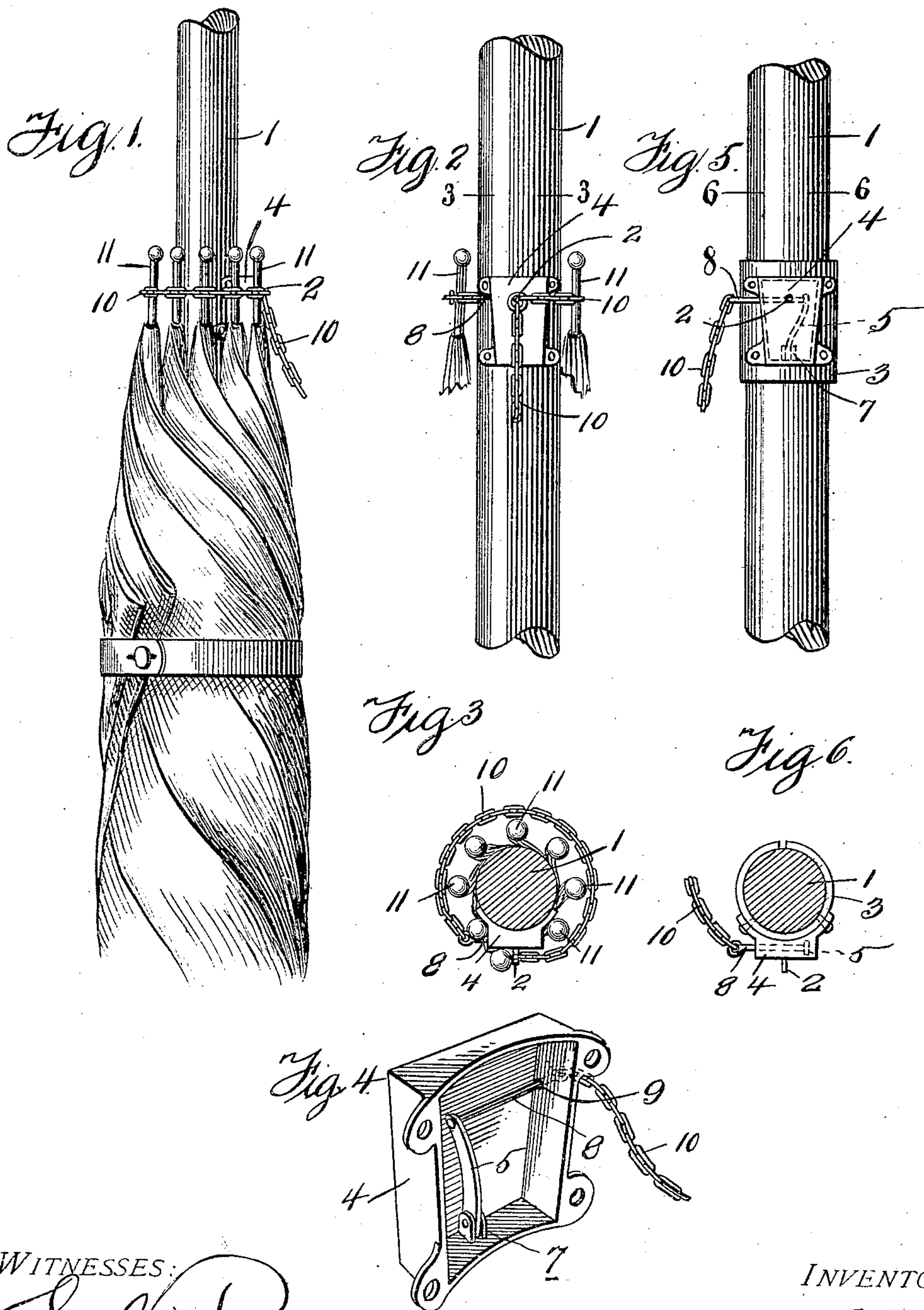


No. 868,490.

PATENTED OCT. 15, 1907.

C. L. SCHMIDT.
UMBRELLA FASTENER.
APPLICATION FILED APR. 6, 1906.



WITNESSES:

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CARL LUDWIG SCHMIDT, OF OBERSTEIN, GERMANY.

UMBRELLA-FASTENER.

No. 868,490.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CARL LUDWIG SCHMIDT, a subject of the Grand Duke of Oldenburg, Germany, residing at Oberstein, Germany, have invented certain new and useful Improvements in Umbrella-Fasteners, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to attachments to umbrellas for the purpose of fastening the free ends of the ribs after the umbrella is folded, and has for its object to improve and simplify the construction and to increase the utility of devices of this character.

With these and other objects in view, the invention consists in certain novel features of construction as hereafter shown and described and specified in the claims.

In the drawings illustrative of the invention and in which corresponding parts are denoted by like designating characters is illustrated the preferred form of the embodiment of the invention capable of carrying the same into operation.

In the drawings, Figure 1 is a side elevation of a portion of an umbrella with the improved device applied, Fig. 2 is a similar view with a portion of the umbrella material broken away to disclose the improved apparatus applied to the umbrella stick, Fig. 3 is a transverse section on the line 3—3 of Fig. 2. Fig. 4 is a perspective view, enlarged, of the improved device detached and viewed from the rear. Fig. 5 is a view of a portion of the umbrella stick with the improved device attached thereto and illustrating a modification in the construction. Fig. 6 is a transverse section on the line 6—6 of Fig. 5.

The improved device may be readily attached to any form of umbrella stick, and consists of a flat metal casing formed preferably with perforated ears to receive the holding tacks, screws or other fastenings, by which means the casing is attached to the umbrella stick represented at 1.

The casing 4 is open at the rear side, or the side next to the stick 1, and secured at one end within this casing preferably by spaced ears represented at 7 is a resilient arm 5, and from the free end of this arm a small rod 8 is arranged to swing, the rod extending through aperture 9 in one side of the casing and connected at its free end outside the casing to a flexible element, preferably in the form of a chain 10, as shown.

Extending laterally from the casing 4 is a pin 2, with which one of the links of the chain is adapted to be

connected after passing around the free ends of the ribs of the umbrella, the latter presented at 11. By this means after the umbrella is folded the flexible element 10, is passed around the free ends of the ribs 11, and drawn relatively tight around the ribs, and coupled at the nearest link to the pin 2, completing the fastening action. The resiliency of the arm 5 produces constant and uniform tension upon the flexible element, and holds it tightly in position around the ribs.

It will thus be obvious that a very complete and efficient fastening means is produced, which may be readily attached to any size or form of an umbrella stick and may be readily adapted to any size or form of umbrella ribs.

The flexible element 10 and the other parts may be of any suitable material or size, and of any ornamental design, so that their presence upon the umbrella stick does not detract from the appearance of the umbrella but will, on the contrary, increase its ornamental appearance.

In Fig. 4 is shown a modification in the construction consisting of a split ring 3 adapted to be disposed upon the handle 1 adjacent to the casing 4 and provided with a lateral pin 12 to take the place of and to be employed for the same purpose as the pin 2 of the casing 4.

Having thus described the invention, what I claim as new, is:

1. An attachment for umbrellas consisting of a casing having means for attachment to the stick of an umbrella, a resilient arm connected at one end within said casing, a flexible element adapted to pass around the ribs of an umbrella, connecting means between one end of said flexible element and the free end of said resilient arm, and means carried by said casing for adjustably supporting said flexible element after passing around the ribs of an umbrella.

2. The combination with an umbrella including the stick and the ribs, of a casing, a resilient arm supported at one end in said casing, a split ring adapted to yieldably engage said stick and connected to said casing, a yieldable element adapted to pass around said umbrella ribs, connecting means between one end of said resilient element and the free end of said resilient arm, and a catch device upon said casing with which said flexible element is adapted to be adjustably connected after passing around said umbrella ribs.

In testimony whereof I have affixed signature in the presence of two witnesses.

CARL LUDWIG SCHMIDT.

Witnesses:

LOUIS KÖHLER,
EMIL BAUMAN.