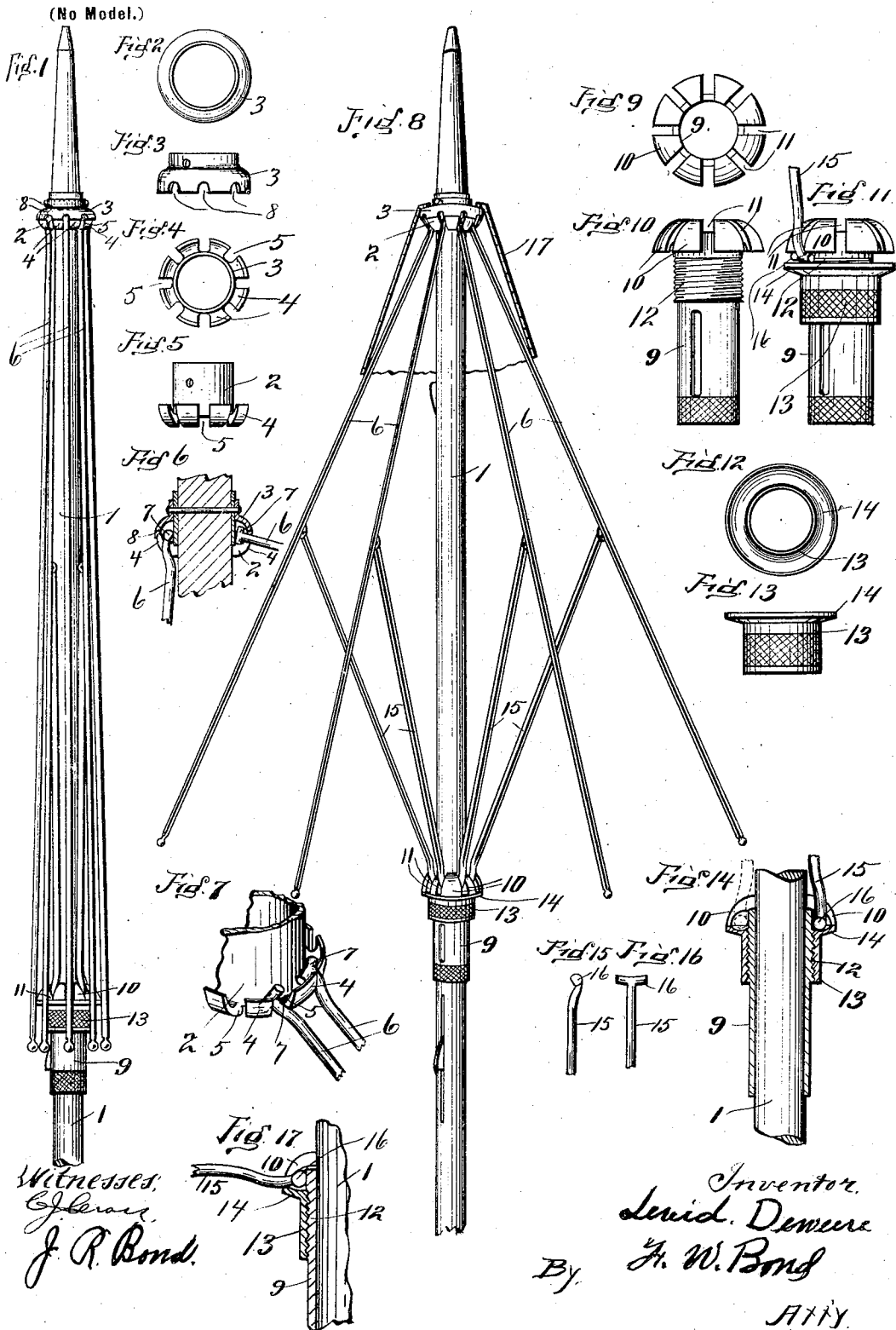


No. 648,245.

Patented Apr. 24, 1900.

L. L. DEWEESE.
UMBRELLA RUNNER OR NOTCH.

(Application filed Aug. 12, 1899.)



UNITED STATES PATENT OFFICE.

LEVI L. DEWEESE, OF CANTON, OHIO, ASSIGNOR OF ONE-THIRD TO RALPH R. DEWEESE, OF SAME PLACE.

UMBRELLA RUNNER OR NOTCH.

SPECIFICATION forming part of Letters Patent No. 648,245, dated April 24, 1900.

Application filed August 12, 1899. Serial No. 727,084. (No model.)

To all whom it may concern:

Be it known that I, LEVI L. DEWEESE, a citizen of the United States, and a resident of Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Umbrellas or Parasols; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the figures of reference marked thereon, in which—

Figure 1 is a view showing a portion of the stick and the different parts properly connected and closed, the cover being removed. Fig. 2 is a top view of the top notch. Fig. 3 is a side view of the recessed upper section of the notch. Fig. 4 is a view showing the upper side of the lower section of the notch. Fig. 5 is a detached view of the lower section of the notch. Fig. 6 is a vertical section showing the different parts of the notch properly connected together and illustrating different positions of the ribs. Fig. 7 is an enlarged view of the lower section of the notch. Fig. 8 is a view showing the different parts properly connected together and a portion of the cover properly connected, also showing the umbrella or parasol partially opened. Fig. 9 is a top view of the runner. Fig. 10 is a side elevation showing the stretcher-retaining thimble removed. Fig. 11 is a side elevation of the runner, showing the stretcher-retainer thimble placed in position to connect the stretcher to the runner. Fig. 12 is a top view of the stretcher-retainer thimble. Fig. 13 is a detached view of the stretcher-retaining thimble. Fig. 14 is a vertical section of the thimble, showing the stretcher properly connected. Figs. 15 and 16 are detached views showing the bottom or lower ends of the stretcher. Fig. 17 is a view showing a portion of the runner, also showing one of the stretchers extended.

The present invention has relation to umbrellas or parasols; and it consists in the novel construction hereinafter described, and particularly pointed out in the claim.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings, 1 represents the stick, which is of the ordinary construction, reference being had to attaching any improvements thereto. To the upper portion of the stick is securely attached in any convenient and well-known manner the hooked head 2 or notch, which hooked head forms the lower portion or member of the notch-head proper, and the upper section or member 3 is located upon the top of the notch-head or member 2 and both of said members securely attached to the stick. The notched head 2 is provided with the outwardly-extending hooks 4, which outwardly-extending hooks are spaced one from the other, thereby forming the spaces 5. The ribs 6 are bent or curved at their upper ends, as illustrated in Fig. 6, and their upper ends are provided with T-heads 7. The upper ends of the ribs 6 are bent or curved, so as to allow the ribs to fit snugly against the stick 1 when the umbrella or parasol is closed. Another object of curving the top or upper ends of the ribs 6 is to provide a means for securely seating the ribs into the notches 8, formed in the upper section of the head 3, when the umbrella or parasol is opened and the ribs extended, by which arrangement the T-heads are forced downward into the bottom of the hooks 4.

It will be understood that by securely seating the ribs into the notches 8 and at the same time forcing the T-heads into the bottom of the hooks the ribs will be held in a rigid condition when the umbrella or parasol is opened.

Upon the stick 1 is located the runner 9, which runner is provided with the hooks 10, said hooks being located upon the upper end of the runner and spaced so as to form the openings 11. The runner 9 is provided with the screw-threaded portion 12, and upon which screw-threaded portion is located the stretcher-retaining thimble 13, which stretcher-retaining thimble when in its normal position is located directly under the lower ends of the hooks 10, said thimble 13 being provided with the flange 14.

It will be understood that when the thimble 13 is lowered, as illustrated in Fig. 11, the bottom or lower ends of the stretchers 15 can be easily connected by simply passing

the T-heads 16 under the hooks 10 and seating said T-heads into the hooks 10. After the stretchers have been properly connected the thimble 13 is turned so as to bring the flange 14 against the bottom or under ends of the hooks 10, thereby preventing the stretchers from becoming detached from the runner.

It will be understood that by my peculiar arrangement the ribs 6 and the stretchers 15 can be easily assembled and at the same time a new stretcher or a new rib can be easily placed in position, thereby providing an umbrella or parasol that can be easily repaired, and it will be understood that by turning the ribs 6 so as to bring the heads 7 into the position illustrated on the right-hand side of Fig. 6 they can be placed under the upper section 3 of the head and then turned and brought into the hooks 4, the stretchers being detached by simply lowering the thimble 13, at which time the stretchers are free to be removed from the runners.

For the purpose of allowing the stretchers to come in close contact with the stick 1 the bottom or lower ends of the stretchers are curved, as illustrated in the drawings, and another object of curving the lower ends of the stretchers is to force the T-heads 16 upward against the inner edges of the hooks by reason of the curved portion of the stretchers bearing against the flange 14.

It will be understood that when the T-heads 16 are forced snugly against the inner edges of the hooks the stretchers will be held in a rigid condition, thereby preventing any lateral movement of the stretchers.

The ribs 6 and the stretchers 15 are each held in a rigid condition when the umbrella or parasol is opened, thereby providing a rigid frame for the cover and at the same time pre-

venting any unnecessary wear to the cover proper.

For the purpose of forming a space between the upper ends of the ribs 6 and the inner side of the cover the cover 17 is extended upward and connected above or on top of the section 3 of the head, by which arrangement a space is formed between the cover and the ribs, thereby preventing the ribs from injuring the cover and at the same time allowing the cover to be more easily dried than when the ribs are held in close contact with the cover at the upper ends of the ribs.

The hooks formed upon the runner and the notched head are substantially the same in their general construction, except that their location is different, reference being had to the use and the assembling of the different parts.

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

In an umbrella or parasol, the combination of the stick 1, provided with the hooked head 2, a notched head 3 located over the hooks formed upon the hooked head and said parts connected to the stick, ribs provided with T-heads, and the T-heads located in the hooks formed upon the hooked head, said ribs having bends or curves at their upper ends arched toward the stick, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

LEVI L. DEWEESE.

Witnesses:

F. W. BOND,
J. R. BOND.