No. 650,223. Patented May 22, 1900.

O. BESELER.

FAN ATTACHMENT FOR UMBRELLAS OR PARASOLS.

(Application filed Oct. 5, 1899.)

(No Model.)

Fig. 1

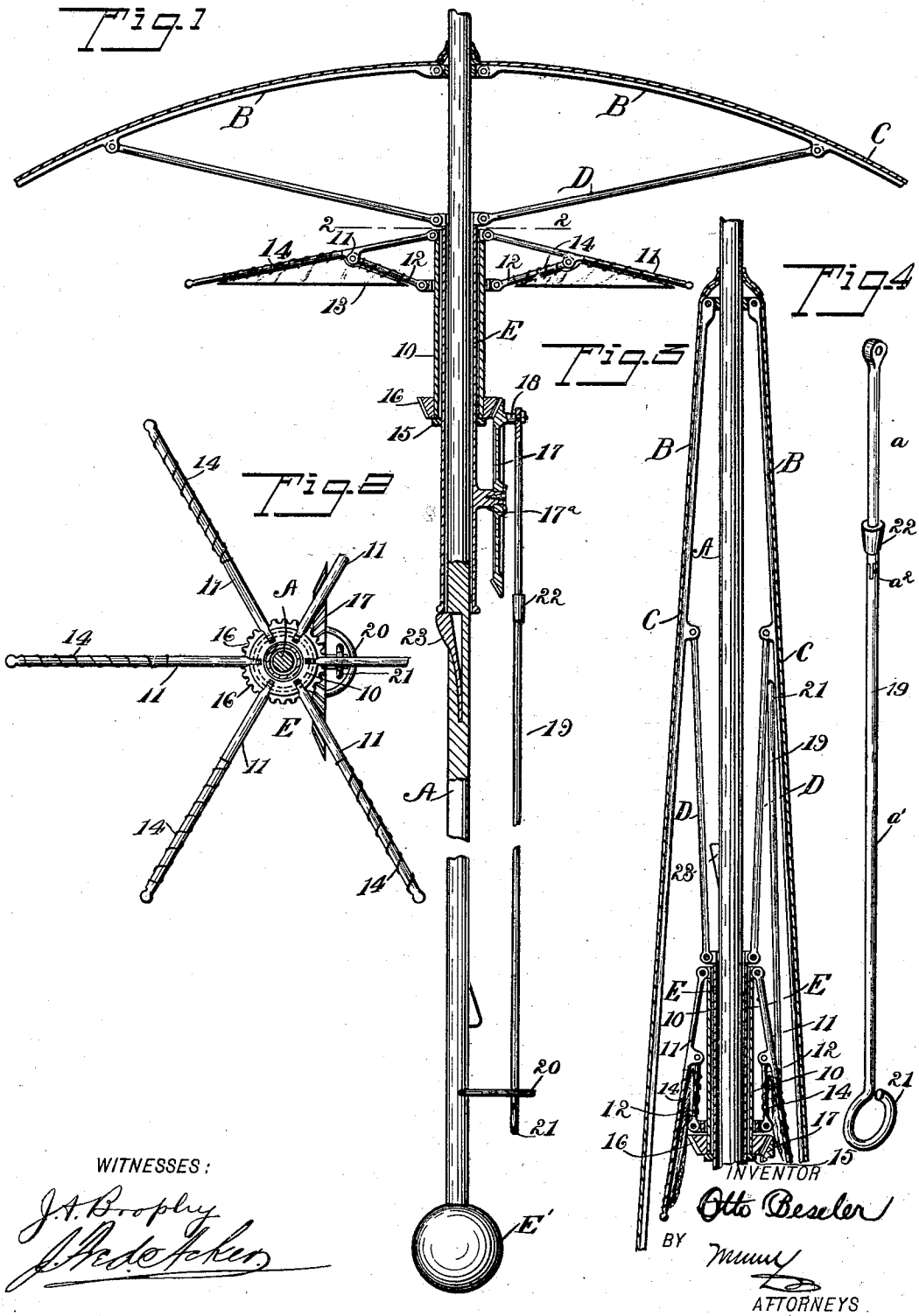


Fig. 2

Fig. 3

Fig. 4

WITNESSES:

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OTTO BESELER, OF CALAVERAS, TEXAS.

FAN ATTACHMENT FOR UMBRELLAS OR PARASOLS.

SPECIFICATION forming part of Letters Patent No. 650,223, dated May 22, 1900.

Application filed October 5, 1899. Serial No. 732,645. (No model.)

To all whom it may concern:

Be it known that I, OTTO BESELER, of Calaveras, in the county of Wilson and State of Texas, have invented a new and Improved Fan Attachment for Umbrellas or Parasols, of which the following is a full, clear, and exact description.

One object of the invention is to provide a fan attachment for umbrellas and parasols capable of being placed in position for use when the umbrella or parasol is opened and closed around the stick when the umbrella or parasol is closed.

A further object of the invention is to provide a means whereby the fan attachment may be operated by a single finger of the hand grasping the handle and to so construct the attachment that the cover of the umbrella or parasol may be tightly wound around the stick.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a vertical section through an umbrella having the improvement applied, a portion of the stick being in side elevation. Fig. 2 is a horizontal section taken substantially on the line 2 2 in Fig 1. Fig. 3 is a vertical section through the umbrella having the improvement applied, the stick of the umbrella, the stretchers, and ribs being in elevation; and Fig. 4 is a detail perspective view of the rod employed to operate the fan attachment.

The umbrella or parasol to which the attachment is made is of the usual construction, as shown in the drawings, comprising a stick A, ribs B, carrying the cover C, stretchers D, and a runner E; but the runner E is made much longer than is usual.

The attachment comprises a sleeve or tube 10, which is freely mounted on the main runner E, and this sleeve or tube 10 is provided upon its upper end with ribs 11, pivoted thereto, and stretchers 12, which are pivoted to the auxiliary ribs and to the sleeve or tube. The auxiliary ribs 11 and stretchers 12, in connection with webs forming blades 13, constitute the fan attachment of the device. The web 13 may be made of the same material as the main cover C of the umbrella or parasol, or it may be of a different material, and preferably the web 13 of the fan attachment extends only from a point near the ends of the ribs 11 and the connection of said ribs with their stretchers 12. The web 13 of the fan attachment is secured to the ribs 11 and the stretchers 12 by means of stitching 14 or equivalent means.

A small bevel-gear 16 is secured in any suitable or approved manner to the bottom portion of the sleeve 10, carrying the fan attachment, and a flange 15 or an equivalent device is located on the runner E and is arranged to support the lower end of the sleeve 10, as shown in Fig. 1. The small bevel gear or pinion 16, attached to the sleeve 10, is arranged to engage with a bevel-gear 17, which is mounted to turn upon a stud 17^a, projected from the runner E below the sleeve 10, and the said bevel-gear 17, which is much larger than the bevel-gear 16, with which it engages, is provided with a wrist-pin 18, to which the upper end of a rod 19 is pivotally attached. This rod 19 extends downward parallel with the stick A and to a point near the handle E′ of the said stick, through a loop or a guide 20, which is preferably made of an elastic or pliable material. The rod 19, by which the larger gear-wheel 17 is rotated, terminates in a loop 21, adapted to receive a finger of the hand that grasps the handle E′ of the umbrella or parasol to which the fan is applied, so that while the umbrella or parasol is supported by the hand of the user the rod 19 may be reciprocated and the larger gear 17 be revolved, causing the fan attachment to rotate and create a pleasant draft of air beneath the main canopy of the umbrella or parasol. The rod 19 is preferably made in two sections a and a', connected by a hinge a^2, and when the umbrella or parasol is opened a sleeve 22, mounted on the rod 19, is slipped over the hinge connection a^2, thus rendering the rod stiff throughout its length. The runner E is supported in its upper position by the usual spring-latch 23.

It is obvious that when the spring-latch 23

is forced within the stick and out of engagement with the runner E and the runner slides down the stick A to close the canopy of the umbrella or parasol, the sleeve 10 will be carried down with it and the fan attachment will be likewise closed, as shown in Fig. 3. At this time the sleeve 22 is carried from over the handle-joint a^2, so that a portion of the rod 19 may be folded up outside of the canopy of the umbrella or parasol in order that said canopy may fit snugly to the stick A.

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

1. In an umbrella or parasol, a sleeve or tube carried by the runner, a folding fan attachment carried by the sleeve, and means for revolving the sleeve around the runner, as and for the purpose set forth.

2. In an umbrella or parasol, a collapsible fan attachment mounted to rotate around the stick of the said umbrella or parasol, and a mechanism for rotating the said fan attachment, the said mechanism leading to the handle portion of the umbrella or parasol stick, as described.

3. The combination, with an umbrella or parasol, of a rotary fan attachment carried by the runner of the parasol or umbrella, the fan attachment consisting of a sleeve, ribs pivoted to the sleeve, stretchers pivotally connecting said ribs with the sleeve, and blades for the said ribs, a pinion secured to the sleeve, a gear carried by the runner of the parasol or umbrella, and a rod pivotally connected with said gear, which rod leads to the handle portion of the umbrella or parasol, as described.

4. In an umbrella or parasol, the combination, with the stick thereof and the runner mounted on the said stick, the said runner being provided with a bevel-gear, a wrist-pin secured to the said gear, and a jointed rod connected with said wrist-pin and leading to the handle of the stick, of a sleeve or tube loosely mounted on the runner and supported thereby, a pinion attached to the lower portion of the sleeve, and arranged for engagement with the said gear, ribs pivotally connected with the upper portion of the sleeve, stretchers for the said ribs, and blades secured to the ribs carried by the sleeve, for the purpose set forth.

5. In an umbrella or parasol, the combination with the runner, of a rotary fan mounted to turn on the runner, and means for revolving the fan, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

OTTO BESELER.

Witnesses:
McKEE JOHNSON,
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