

(No Model.)

W. H. GASKILL.
UMBRELLA RUNNER.

No. 428,390.

Patented May 20, 1890.

Fig. 1.

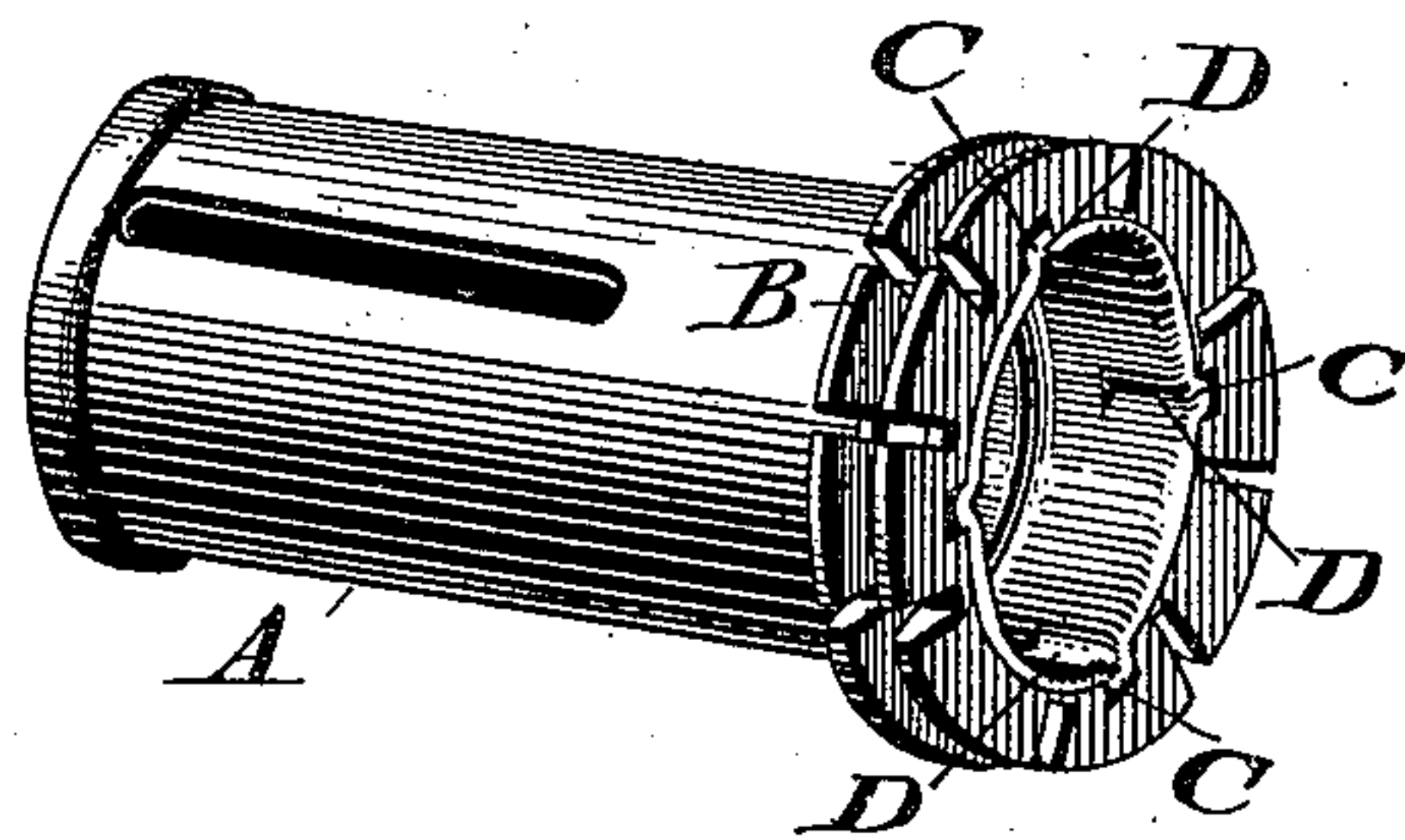
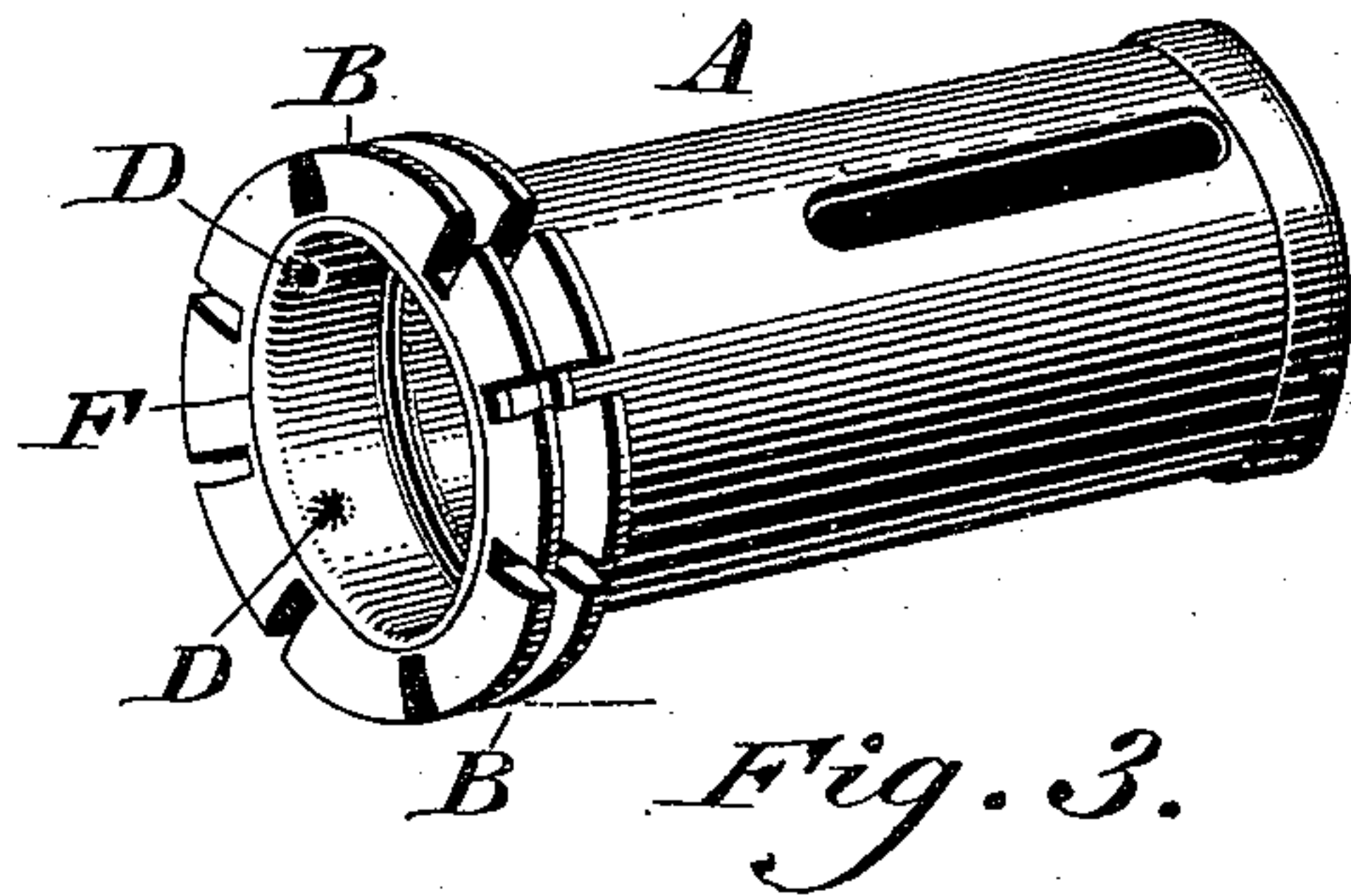
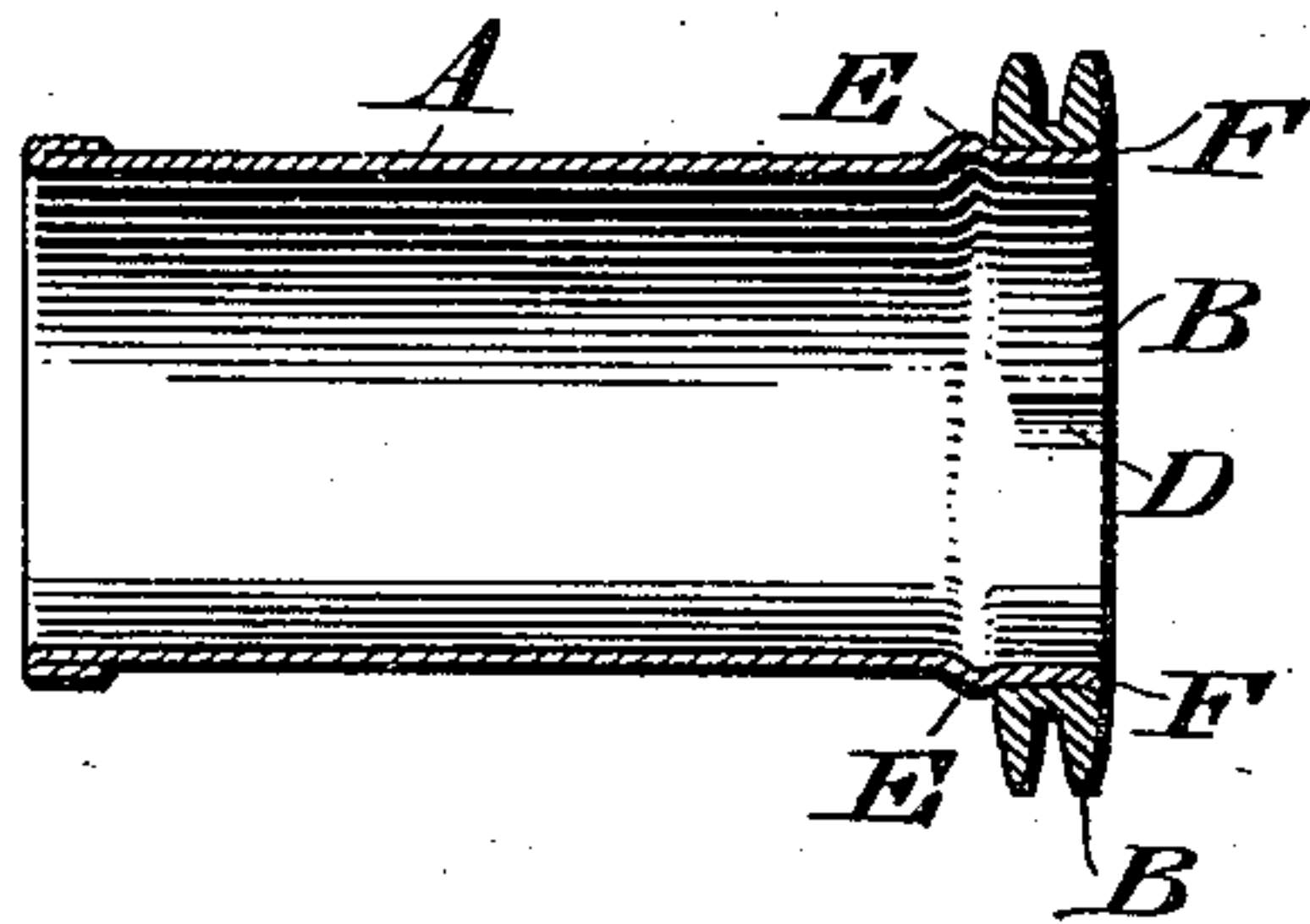


Fig. 2.



WITNESSES:

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WILLIAM H. GASKILL, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
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UMBRELLA-RUNNER.

SPECIFICATION forming part of Letters Patent No. 428,390, dated May 20, 1890.

Application filed January 6, 1890. Serial No. 335,963. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. GASKILL, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Umbrella-Runners, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of an umbrella or parasol runner having the slotted collar secured to the body of the runner by means of projections which are formed on the runner and enter recesses in said collar, thus firmly connecting the parts.

Figure 1 represents a perspective view of an umbrella-runner embodying my invention. Fig. 2 represents a longitudinal section thereof. Fig. 3 represents a perspective view of a modification.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates the body of an umbrella-runner, and B designates the notched or slotted collar to which the stretchers of an umbrella or parasol are connected. At the inner periphery of a collar are recesses C, and on the exterior periphery of the runner are beads or other projections D, the latter entering said recesses C. The end of the runner is fitted in the collar, and a suitable tool or implement—such as a wedge—inserted in the runner and operated, the ef-

fect of which is to produce the projections D and force the same into the recesses C, thus connecting the collar with the runner and preventing either from rotating on the other. Longitudinal displacement of the collar from the runner is prevented, owing to the circumferential bead E on the runner and the flaring or flanged end F of said runner, it being noticed that the collar has its opposite sides retained between said bead and end.

In Fig. 3 I show the metal of the runner punched into that of the collar, thus connecting the parts.

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

1. An umbrella-runner having the collar circumferentially connected therewith by means of a projection on said runner and a recess in said collar, said projection entering said recess, substantially as described.

2. An umbrella-runner having the collar connected therewith by means of a projection on the runner and a recess in the collar and a bead and flange on the runner, said projection entering said recess and said bead and flange being on opposite sides of the collar, substantially as described.

WILLIAM H. GASKILL.

Witnesses:

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