

(No Model.)

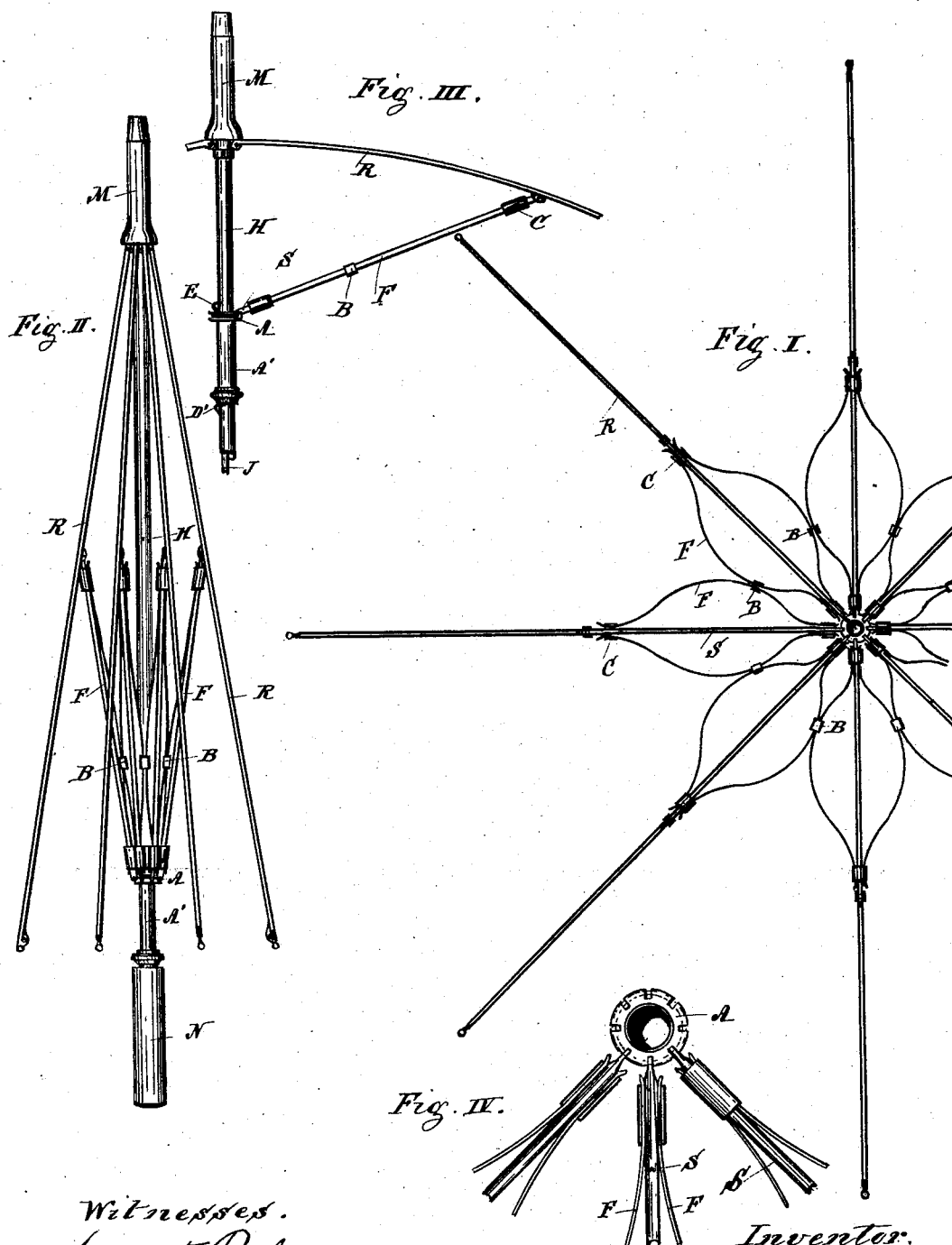
2 Sheets—Sheet 1.

R. GEISLER.

UMBRELLA.

No. 302,123.

Patented July 15, 1884.



Witnesses.
August Pauls
J. Gemmel, Jr.,

Inventor.
Robert Geisler
per Henry C. Rader
Attorney.

(No Model.)

2 Sheets—Sheet 2.

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Fig. V.

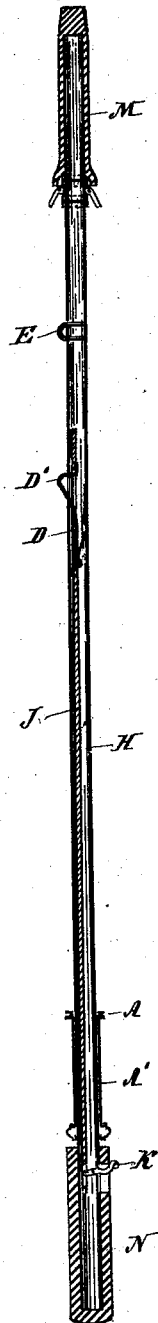


Fig. VI.

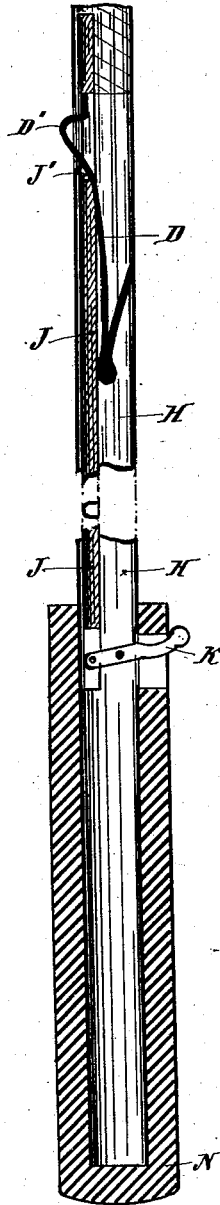


Fig. VII.

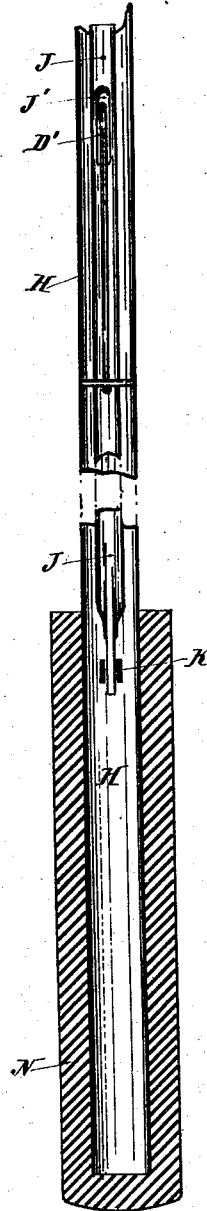
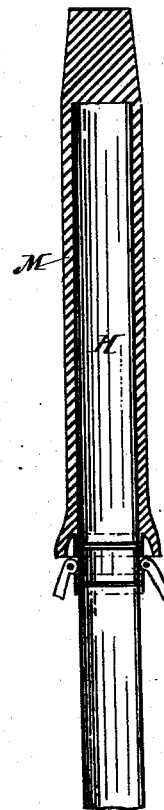


Fig. VIII.



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August Pauls
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per Henry E. Rader
Attorney.

UNITED STATES PATENT OFFICE.

ROBERT GEISLER, OF LEIPSIK, GERMANY, ASSIGNOR TO KNAUTH & CO.,
OF SAME PLACE.

UMBRELLA.

SPECIFICATION forming part of Letters Patent No. 302,123, dated July 15, 1884.

Application filed October 25, 1883. (No model.)

To all whom it may concern:

Be it known that I, ROBERT GEISLER, a citizen of Germany, and a resident of the city of Leipsic, in Germany, have invented new and useful Improvements in Umbrellas, of which the following is a specification.

In the accompanying drawings, Figure I represents a top view of part of the umbrella-frame extended. Fig. II is a side view of the same closed. Fig. III is a side view of one frame extended. Fig. IV shows the tip-holder with some of the struts attached. Fig. V is the umbrella-handle in section. Figs. VI, VII, and VIII are enlarged views of the same. Similar letters represent similar parts in all the figures.

R are the rib-sections provided with the usual struts or braces, S. On both sides of these struts S flat springs F are arranged, securely fastened to the struts near the tip-holder A, and secured at their other ends by means of a ferrule, C. These springs F give to the struts a spring when the umbrella is raised, which causes the frame to be self-closing when the runner A' is released from the spring-catch D. To regulate the spring-power of the springs F, the two adjoining springs are connected together by a ferrule, B, by the position of which the spring-power of the same can be regulated as desired.

In the umbrella handle or stick H the usual spring-catch, D, is arranged, which holds up

the umbrella expanded when the runner A' has been moved above the projecting end D' of the same. E is the stop to regulate the upward motion of the runner.

In the umbrella-handle H a rod, J, is arranged in a suitable groove, having near its upper end a slot, J', through which the projecting part or nose D' of the spring-catch D passes. The lower end of this rod J is connected to a small lever, K, through which this rod J may be moved upward. When the umbrella requires to be closed, this rod J is moved upward by means of the lever K, when the lower part of the slot J' will act against the projecting part or nose D' of the spring-catch D, and force the same inward clear of the runner A', allowing thereby the umbrella, assisted by the springs F, to close itself.

I do not claim the springs at both sides of the struts or stretchers; but

What I claim as my invention, and desire to secure by Letters Patent, is—

In combination with the spring-catch D, the rod J, with slot J' at its upper end, and lever K at its lower end, placed in a recess in the umbrella-handle H, constructed and arranged to operate in the manner and for the purpose substantially as described.

ROBERT GEISLER.

Witnesses:

PHILIPP KROPP,
HUGO TELLER.