

J. S. Warner Tatting Shuttle.

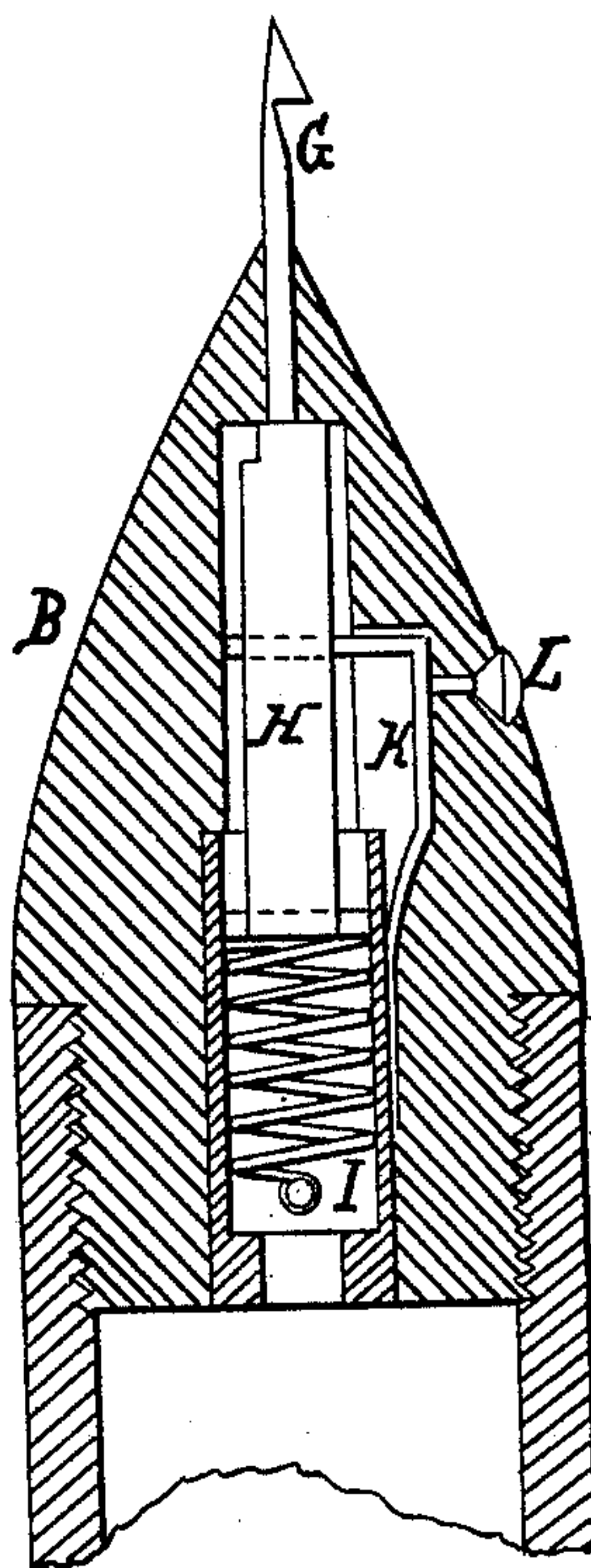
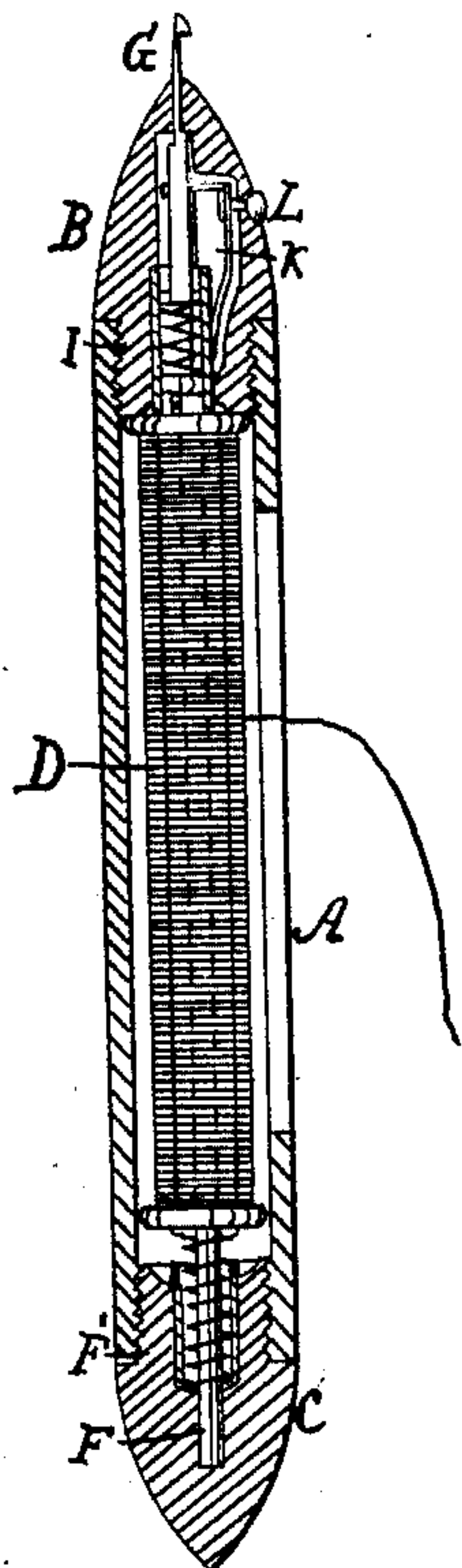
N^o 50970.

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Fig. 2.



Fig. 1.



Inventor.

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Witnesses.

Charles D. Smith
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UNITED STATES PATENT OFFICE.

JOEL SYLVESTER WARNER, OF OGDENSBURG, NEW YORK.

IMPROVEMENT IN TATTING-SHUTTLES.

Specification forming part of Letters Patent No. 50,970, dated November 14, 1865.

To all whom it may concern:

Be it known that I, JOEL SYLVESTER WARNER, of Ogdensburg, in the county of St. Lawrence and State of New York, have invented new and useful Improvements in Tatting-Shuttles; and I do hereby declare the following to be a full, clear, and exact description of the nature, construction, and operation of the same, reference being had to the annexed drawings, which are made part of this specification, and in which—

Figure 1 is a longitudinal section. Fig. 2 is an elevation of the hook and the frame to which it is attached. Fig. 3 is an enlarged view.

The same letters refer to corresponding parts in the different figures.

My invention consists, first, in attaching a tatting-hook to the shuttle, which can be sheathed or extended, as may be required; and second, in providing a tatting-shuttle with a spool.

To enable one skilled in the art to which my improvement appertains to construct and use the same, I will proceed to describe it.

A is the barrel of the shuttle, and B C the respective end caps.

The spool D, which carries the thread, is retained upon a spindle, F, which is journaled in the end caps, and is prevented from running too freely by the spring F', which sets in a cavity in the cap C, impinges against the end of the spool, and holds it against the end of the cap B.

The crochet-hook, by which the stitches are picked out in the operation of tatting, is con-

cealed at all times when not required for use, and is shown at G and also detached in Fig. 2. Its inner portion consists of a frame, H, and upon this impinges a spring, I, which constantly tends to keep the hook projected.

When it is desired to conceal the hook it is pushed in by the thumb-nail or otherwise, and is retained by the spring-catch K, which catches upon the notched end of the frame H.

To project the hook, pressure is brought upon the stud L, which releases the frame from the catch and abandons it to the influence of the spring. The usual practice is to keep a crochet-hook or a pin with which to pick out the stitch in the same manner which is familiar to those who are versed in the art, but by my improvement the needed facility is always in readiness, and is concealed when not required for use. It has likewise been usual to wind the thread upon a bobbin or other article adapted to be passed through the loop, but by providing a place inside of the barrel of the shuttle for a spool on which the thread is already wound much time is saved and greater facility secured in handling.

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

The tatting-shuttle as described and represented, as an article of manufacture.

JOEL SYLVESTER WARNER.

Witnesses:

A. C. SPAULDING,
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