

E. P. KELLOGG.

Combined Tatting-Shuttles and Crochet-Needles.

No. 146,077.

Patented Dec. 30, 1873.

Fig. 1.

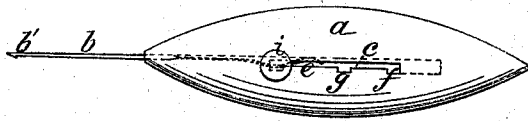


Fig. 2.

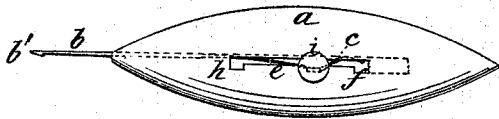


Fig. 3.

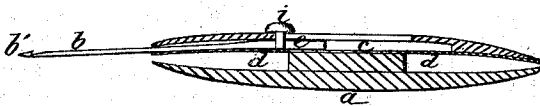
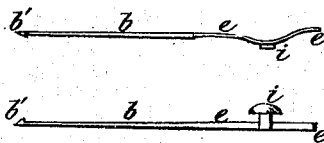


Fig. 4.



Witnesses:

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EUGENE P. KELLOGG, OF NEW YORK, N. Y.

IMPROVEMENT IN COMBINED TATTING-SHUTTLES AND CROCHET-NEEDLES.

Specification forming part of Letters Patent No. **146,077**, dated December 30, 1873; application filed December 2, 1873.

To all whom it may concern:

Be it known that I, EUGENE P. KELLOGG, of the city, county, and State of New York, have invented a new and useful Improvement in Combined Tatting-Shuttle and Crochet-Needle, of which the following is a specification:

My invention relates to the tatting-shuttle, having combined therewith a crocheting-needle, which may be extended from and drawn within the shuttle; and my improvement therein consists of the needle, with a flat spring forming an integral part thereof, in combination with a thumb-knob and notched slot in the shuttle-case, wherein the action of the spring end of the needle is to force the shank of the thumb-knob laterally into the notches in the case, to hold the needle fixed in a retracted position as a tatting-shuttle, or partially extended, as a needle, to pass the thread through a loop, to fasten one section of the tatting to another, and wholly extended for use as a hooked crocheting-needle, the spring end whereof, acting against one side of the slot to force the stop into the notch of the other side, in adjusting the needle in and out; the object being to render the combined article as simple and cheap as possible, and to avoid the use of springs separate and independent of the needle, and which constantly tend, either to retract or project the needle, and which, on that account, are liable to be projected accidentally when not required; or, when extended, to slip back while being used; and thus, in either case, not only become an annoyance in working, but entangle and interrupt the work.

In the accompanying drawings, Figure 1 represents a view of the shuttle with the crocheting-needle extended for such work; Fig. 2, a similar view, with the needle projected only as a looper in tatting; Fig. 3, a section; and Fig. 4, the spring crochet-hook detached from the shuttle.

The shuttle *a*, with its thread-bed, is made in the usual way; and the crocheting-hook, *b*, is arranged in one side of the shuttle, so as to be projected therefrom, and be retracted in the line of its points, being made to slide, for that purpose, within an opening, *c*, in the shuttle side, and upon an inner facing-plate, *d*, with the shuttle-point open for the freedom of the hooked end *b'* of the needle. The

inner end of the crocheting-hook is flattened, bent, and tempered to form a spring, *e*, which bears against one side of the slot *c*, within which it is placed, while the other side of the opening has notches *f g h*, into either of which the spring end *e* forces the shank of the thumb-knob *i*, to hold the hook in the required position.

For this purpose the thumb-knob *i* is secured directly upon the spring end *e* of the hooked needle *b*, so that, by simply pressing the knob *i* from the notch, the spring end is straightened, and the hooked needle can be adjusted in or out, and, when so adjusted, the knob-shank is again forced into the notch by the bearing of the spring-needle end against the slotted side of the shuttle-case. In this way the needle is held in, for tatting, by the notch *f*, out for the purpose of picking the thread through the loop by the middle notch, *g*, and, as a crocheting-hook, by the notch *h*; the two positions of the hooked needle being in accordance with the work, a looper only requiring a short needle, while, for crochet-work, a longer needle is needed; and, in this respect, is better suited for both kinds of the work, and, in either, its adjustment is positive, when made, and not liable to accidental displacement.

The combined device requires only a notched slot in one side of the shuttle, and a crocheting-needle made integral with the spring which locks it in position with the shuttle.

The working of the combined device is well understood by those skilled in the peculiar work, and especially in ornamental tatting; in which the knots are united at various points by knotting into loops which are purposely left in the work, and which may be made into different figures of fret-work, the needle and shuttle, for which purpose, being intact, instead of separate and independent of each other.

I claim—

The crochet-needle *b b'*, with the spring *e* integral therewith, in combination with the notched holding-slot *c* and the thumb-knob *i* of a combined tatting-shuttle and crochet-needle, substantially as described.

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Witnesses:

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