J. TRIPP.

SEWING-MACHINES.

No. 194,852. Patented Sept. 4, 1877.

Fig. 1.

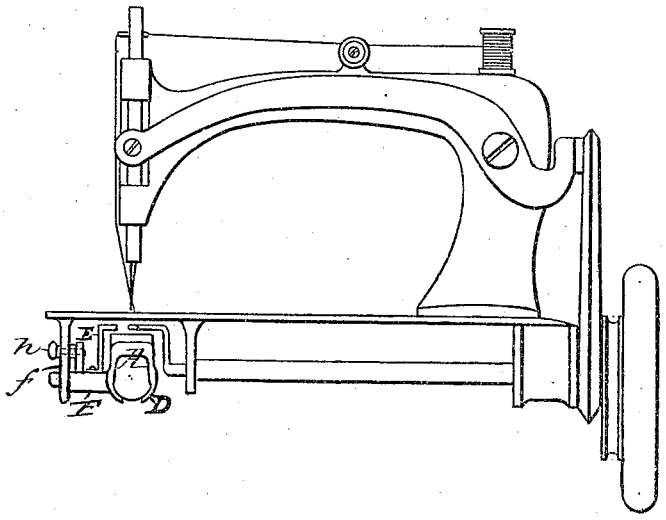


Fig. 2.

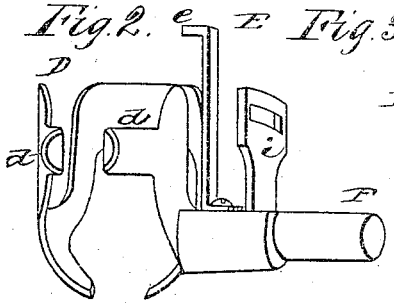


Fig. 3.

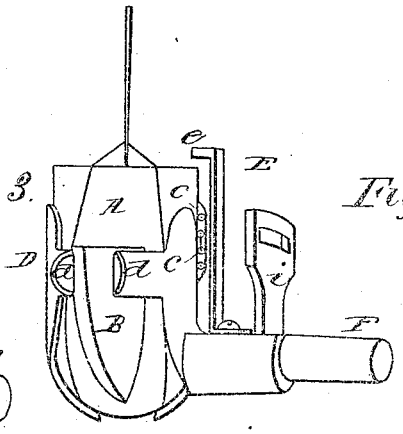
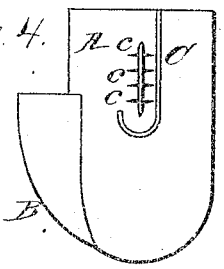


Fig. 4.



WITNESSES

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JAMES TRIPP, OF COLDWATER, MICHIGAN.

IMPROVEMENT IN SEWING-MACHINES.

Specification forming part of Letters Patent No. **194,852**, dated September 4, 1877; application filed January 8, 1877.

To all whom it may concern:

Be it known that I, JAMES TRIPP, of Coldwater, State of Michigan, have invented certain new and useful Improvements in Sewing-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 is a side view of my improvement in position upon a sewing-machine, and Figs. 2, 3, and 4 are detached views thereof.

Corresponding parts in the several figures are denoted by like letters.

This invention relates to a certain improvement in that class of sewing-machines termed "revolving-hook machines;" and it consists in the construction of the spool-holder which takes the place of the ordinary shuttle and of the spool-holder support, substantially as heinafter more fully set forth.

In the annexed drawing, A refers to the spool-holder or barrel, upon the lower external surface of which is the spreader B, in transverse section, of the shape of a triangle and tapering downwardly, as seen in Figs. 3 and 4.

The spreader B spreads the loop as it is carried around the barrel or holder A. The speader may extend part or all the way around the barrel or holder.

Extending lengthwise of the barrel or holder A is a hook-shaped slot, C, to permit of the passage of the thread through the barrel, it being curved or hooked, to obviate angles which would sever the thread.

Alongside of the slot C, upon the barrel A, is a plate, standing edgewise to the surface of the latter, and provided with a series of apertures or holes, *c c c*, through which the thread is further passed.

The spool in the barrel or holder A is placed and revolves upon a stem or short rod centrally disposed therein.

D is a support for holding the barrel or holder A, preferably of a skeleton form, and having arms or projections *d d*, between which the spreader B of the barrel A is held, they, at the same time, being curved outwardly, so as not to interfere with the thread carried around the barrel. The support D is also provided with an angular bar, E, the short arm *e* of which extends over or overhangs the spool and its holder A, to retain them in position, as against vertical pressure, or from being drawn from the support.

When it is desired to remove the empty spool, the bar E is sufficiently elastic to permit of its being sprung back out of line with the barrel and spool, when both can be withdrawn from the holder D and the barrel supplied with a new spool of thread.

The support D is provided with an arm or projection, F, pivoted in a pendant, *f*, of the cloth-plate of the machine, by which it (the support) may be tilted to permit of the removal of the spool.

A set-screw, *h*, entering the horizontally-slotted upright or plate *i* on the arm or projection F, prevents the tilting or turning of the latter when the holder is in use.

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

The combination, with the spool-holder support D *d d*, having the arm or projection F, of the angular or curved spring E, slotted upright *i*, and pendant *f*, provided with a set-screw, *h*, and in which the projection or arm F is pivoted, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I hereunto affix my signature in presence of two witnesses.

JAMES TRIPP.

Witnesses:
H. H. BARLOW,
E. H. LOVERIDGE.