

E. M. ELSDEN (NOW BY MARRIAGE E. M. JONES).

SPOOL HOLDER FOR SEWING MACHINES.

APPLICATION FILED MAY 19, 1909.

1,022,185.

Patented Apr. 2, 1912.

Fig. 1

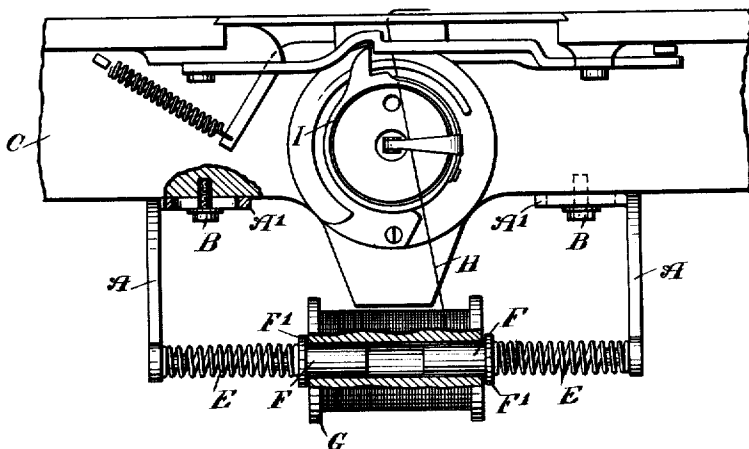
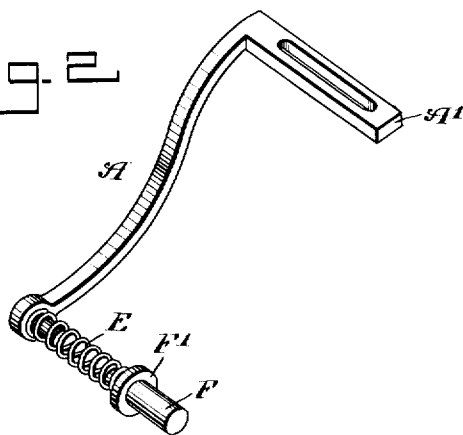


Fig. 2



WITNESSES

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ETHEL MARY ELSDEN, (NOW BY MARRIAGE ETHEL M. JONES,) OF HAMILTON,
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SPOOL-HOLDER FOR SEWING-MACHINES.

1,022,185.

Specification of Letters Patent.

Patented Apr. 2, 1912.

Application filed May 19, 1909. Serial No. 496,884.

To all whom it may concern:

Be it known that I, ETHEL MARY ELSDEN, (now by marriage Ethel M. Jones,) a subject of the King of Great Britain, and a resident of Hamilton, Bermuda, have invented a new and Improved Spool-Holder for Sewing-Machines, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved spool holder for sewing machines for conveniently carrying a spool to supply thread to the machine.

For the purpose mentioned, the holder is attached to the sewing machine frame, and is provided with spring-pressed alined trunnions, engaging the bore of the spool, to rotatively support the latter.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in both views.

Figure 1 is a front elevation of the improvement as applied, parts of the spool being in section; and Fig. 2 is a perspective view of part of the improvement.

The brackets A are provided with slotted angular lugs A', engaged by screws B, for adjustably securing the brackets A to the under side of the frame C of the sewing machine, as plainly indicated in Fig. 1. The lower ends of the brackets A support coiled springs E, in transverse alinement with each other, and carrying at their inner opposite ends trunnions F, engaging the bore of the spool G filled with cotton, silk or other thread H, adapted to be passed upward to a looping mechanism I of the usual construction, so as to form stitches with the upper thread carried by the needle of the sewing machine. The trunnions F are provided with collars F', to limit the inward movement of the trunnions F in the bore of the spool G, and the said collars F' bear against the ends of the spool G, so as to hold the latter under the proper tension, to prevent too fast unwinding of the thread H from the spool G. Now by the arrangement described, the spool G can be quickly placed in position on the trunnions F, as the latter are mounted on the yielding springs E, and

the latter press the collars F' of the trunnions F with sufficient force against the ends of the spool to hold the latter under the desired tension, as before mentioned.

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

1. In combination with a support, of a spool holder comprising a pair of brackets, each consisting of an arm having at one end a lateral slotted foot, a set screw passing through the slot and engaging the support for adjustably connecting the bracket thereto, said brackets being arranged with the feet in alinement to permit them to be adjusted toward and from each other, each arm having at its outer end an inwardly projecting pin, a trunnion for entering the bore of the spool at each end thereof, each trunnion having a collar for engaging the end of the spool and having a pin extending toward the pin of the adjacent arm, and a coil spring encircling the pins and connecting the trunnions to the arms, said springs wholly supporting the spool.

2. A spool holder for sewing machines, comprising a pair of trunnions for entering the bore of the spool at opposite ends thereof, each trunnion having a collar for engaging the end of the spool, a bracket arm for each trunnion, a spring connecting each trunnion with the adjacent arm, each of the said arms having an inwardly extending longitudinally slotted foot for receiving a set screw to hold the arm to a support, and to permit the arms to be adjusted toward and from each other to vary the tension of the springs, said springs wholly supporting the spool.

3. A spool holder for sewing machines, comprising trunnions for engaging the bore of the spool at each end thereof, an arm for each trunnion, a spring connecting each trunnion with the adjacent arm, each of the said arms having means whereby it may be adjustably connected with a support, the adjustment being toward and from the opposite arm for varying the tension of the springs, said trunnions wholly supporting the spool.

4. A spool holder for sewing machines,

comprising a trunnion for engaging each end of the bore of the spool, an arm for each trunnion having means whereby it may be adjustably connected with a support, and a yielding connection between the trunnion and the arm, said trunnions wholly supporting the spool.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ETHEL MARY ELSDEN.

Witnesses:

S. H. S. HEYL,
L. N. PUINCHIEF.