

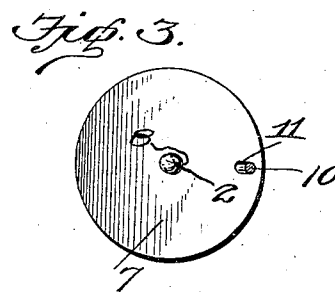
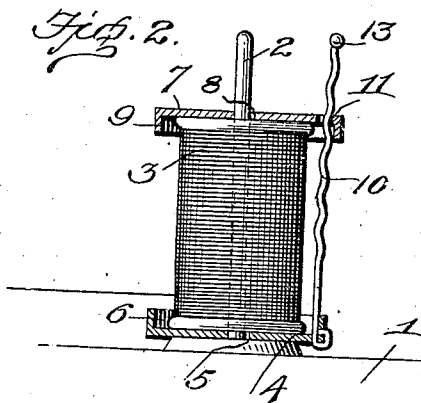
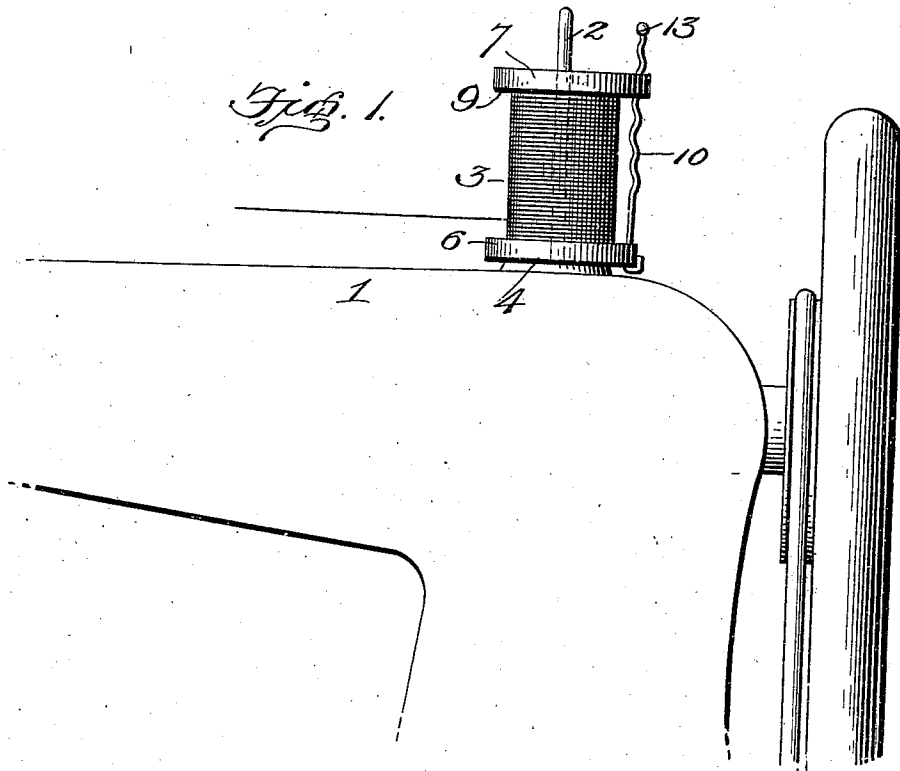
No. 848,185.

PATENTED MAR. 26, 1907.

S. L. LYON.

THREAD GUARD AND SPOOL HOLDER FOR SEWING MACHINES.

APPLICATION FILED APR. 19, 1906.



Witnesses
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UNITED STATES PATENT OFFICE.

SARAH L. LYON, OF PHILADELPHIA, PENNSYLVANIA.

THREAD-GUARD AND SPOOL-HOLDER FOR SEWING-MACHINES.

No. 848,185.

Specification of Letters Patent.

Patented March 26, 1907.

Application filed April 19, 1906. Serial No. 312,620.

To all whom it may concern:

Be it known that I, SARAH L. LYON, a citizeness of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Thread-Guards and Spool-Holders for Sewing-Machines; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in thread-guards and spool-holders for sewing-machines.

The object of the invention is to provide a device of this character by means of which the thread when unwinding from the spool will be prevented from running off at either end of the spool and becoming tangled or wound on the spindle of the spool.

With the above and other objects in view my invention consists in certain novel features of construction, combination, and arrangement of devices hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a side view of a portion of a sewing-machine, showing the application of the invention. Fig. 2 is a vertical sectional view through the guard-plates, showing the same arranged on a spool; and Fig. 3 is a top plan view of the same.

Referring more particularly to the drawings, 1 denotes a portion of the arm of a sewing-machine, having thereon the usual spool-spindle 2, on which is revolubly mounted a spool 3.

Arranged on the spindle 2 below the spool 3 is a lower guard plate or disk 4, having a centrally-disposed aperture 5 to engage said spindle 2 and an upwardly-projecting annular flange 6, formed around its edge, within which the lower end of the spool is seated. On the spindle 2 above the spool and adjacent to the upper end thereof is an upper guard plate or disk 7, having a centrally-disposed hole 8 to engage said spindle 2 and a downwardly-projecting annular flange 9 formed thereon.

Rigidly connected at its lower end to the flange 6 of the lower disk is an upwardly-pro-

jecting corrugated spring-rod 10, which projects through an aperture 11, formed in the upper guard plate or disk 7 adjacent to the flange 9 thereon, whereby the wall of the central aperture 8 in said upper disk is drawn into tight frictional engagement with the spindle 2, thereby supporting said upper disk or plate 7 above and adjacent to the spool. The rod 10 has on its upper end a knob 13, by means of which the upper plate is prevented from becoming disengaged from the rod.

By means of the corrugations in the rod 10 the plate 7 will be held more firmly in its various positions, thereby providing for the adjustment of the guard-plates to spools of different sizes or lengths. Said plates when properly adjusted will prevent the thread from running off at either end of the spool and becoming tangled or wound on the spindle 2.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined by the appended claims.

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

1. A thread-guard and spool-holder for sewing-machines comprising a lower guard-plate, an upper guard-plate, each having a central opening therein to clear the spool-spindle of a sewing-machine, and a spring-rod rising from the lower plate and provided with adjusting-notches to engage the upper plate and permit vertical adjustment of the latter, substantially as described.

2. A thread-guard and spool-holder for sewing-machines comprising upper and lower guard plates or disks having centrally-disposed spindle-engaging apertures, an annular downwardly-projecting flange formed on said upper disk, an annular upwardly-projecting flange formed on said lower disk, and a corrugated spring supporting-rod secured at its lower end to said lower disk and projecting

upwardly through an aperture near the flange
of said upper disk, whereby the latter will be
adjustably supported in frictional engage-
ment with the spindle of the machine above
5 and adjacent to the upper end of a spool, sub-
stantially as described.

In testimony whereof I have hereunto set

my hand in presence of two subscribing wit-
nesses.

SARAH L. LYON.

Witnesses:

ALBERT OGDEN,
WILLIAM McNABB.