

(No Model.)

A. M. YEAKEL.
SPOOL HOLDER.

No. 573,563.

Patented Dec. 22, 1896.

Fig. 1.

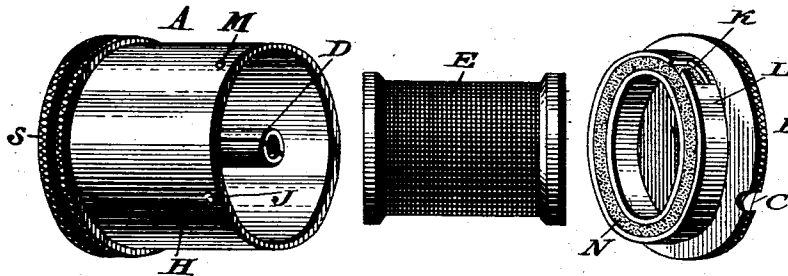


Fig. 2.

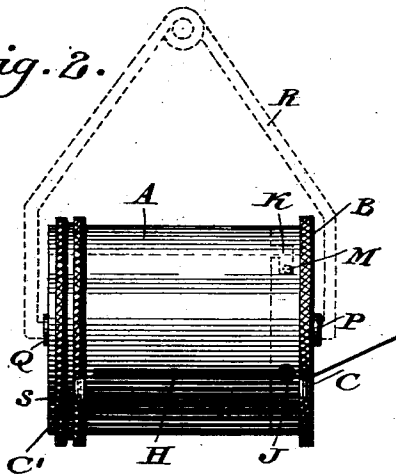


Fig. 3.

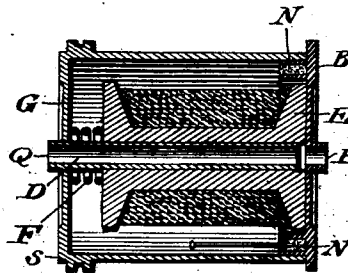
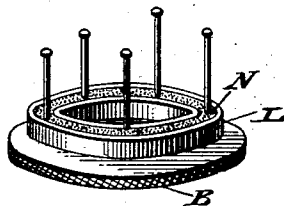


Fig. 4.



WITNESSES:

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SPOOL-HOLDER.

SPECIFICATION forming part of Letters Patent No. 573,563, dated December 22, 1896.

Application filed August 1, 1896, Serial No. 601,320. (No model.)

To all whom it may concern:

Be it known that I, ABRAHAM M. YEAKEL, a citizen of the United States, residing at Perkasia, in the county of Bucks, State of Pennsylvania, have invented a new and useful Improvement in Spool-Holders, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a thread-holder formed of parts arranged and combined as hereinafter described.

Figure 1 represents a partial perspective view and partial side elevation of a thread holder and cutter embodying my invention, parts of the same being separated. Fig. 2 represents a side elevation of the device. Fig. 3 represents a longitudinal section thereof. Fig. 4 represents a perspective view of the cap of the casing and an attached pin-cushion.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates a casing which is preferably of cylindrical form and has fitted to one end thereof the removable cap or cover B, in the peripheral rim of which is the blade C for cutting the thread when so desired.

Within the casing is a longitudinally-extending spindle D, which is secured to the end of the casing opposite to the cap and on which the spool E is mounted, said spindle having also thereon the spring F, which bears against said spool and the adjacent wall G of the case A, so as to force said spool against the cap E and provide the tension therefor, so that improper unwinding of the thread on the spool is prevented.

In the wall of the casing is the slot H, which extends in the direction of the length of said case and has one end widened or enlarged, as at J, said widened end being in proximity to the blade C. As a means for securing the cap to its casing I employ the L-shaped slot K in the inner flange L of the cap and the pin M on the casing projecting into the same. Said slot and pin form a bayonet-joint, the operation of which is evident, as will be seen upon inspection of Fig. 2.

It will be seen that when the cap is removed the thread may be inserted into the

slot H through the widened end J thereof, after which the cap is applied and secured, when the thread may be drawn through the slot H, as required, after which it is pressed against the blade C and cut, leaving a small end projecting from the casing through the slot owing to the distance between the end of the slot and said blade, so that said end of the thread may be grasped in order to unwind more of the same, as required, it being noticed that improper winding of the thread is prevented by the action of the spring F, as has been stated. The flange L is hollow or channeled and filled with a suitable material N, into which pins may be stuck, as a cushion. At the center of the cap B is the boss P, and in the opposite end of the casing is the boss Q, which latter in the present case is a continuation of the spindle D, said bosses providing means for the introduction of the ends or journals of the hanger R, as shown in dotted lines, Fig. 2, it being evident that the casing may be rotated on said hanger when so desired.

If desired, a blade C', similar to the blade C, may be placed on the bottom or covering cap S of the casing opposite to the cap B without producing different results from those stated. Again, the spindle may be split, as shown in Fig. 1, so as to be elastic and expansible in its nature and produce a spring action on the spool in order to provide a tension therefor similar to the spring F.

In either cap (or in both caps) may be openings with numbers therein to indicate the grade of the thread, &c., of the spool.

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

1. A casing having a closed and an open end and a longitudinally-extending slot with a widened end, a spool-holding spindle secured to said closed end, a cap for the open end of said casing, a cutter on said cap, and a spring on said spindle, adapted to press the spool in the direction toward said cutter, the widened end of said slot being adjacent to said cutter.

2. A spool-holder consisting of the casing A, having the longitudinally-extending slot H with the widened end J in its side, the spindle D secured to the closed end of said

casing, the cap B with the hollow flange L having a slot adapted to engage a pin on said casing, and packing in said flange L, forming a cushion.

- 5 3. A spool-holder consisting of a casing, having a closed and an open end and a longitudinally-extending slot with a widened end, a spindle secured to the closed end of said casing, a cap closing the open end of said

casing and having a cutter on its rim adjacent to said widened end of the slot, said spindle projecting through said closed end and said cap having a boss thereon.

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Witnesses:

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