

No. 669,828.

M. H. GORNSTON.
SPOOL STAND.

Patented Mar. 12, 1901.

(Application filed Nov. 30, 1900.)

(No Model.)

Fig: 1.

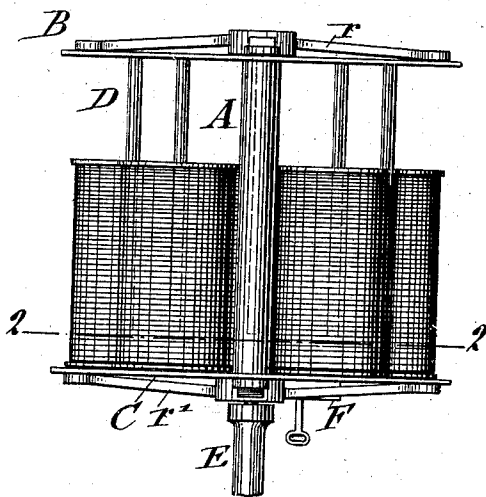


Fig: 3.

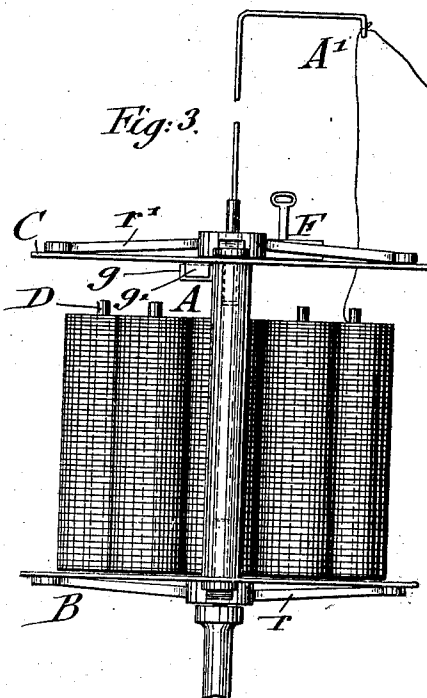


Fig: 2.

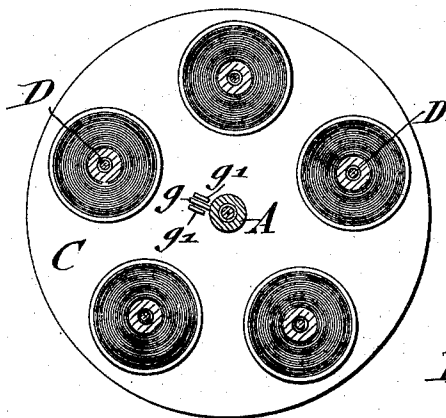


Fig: 4.

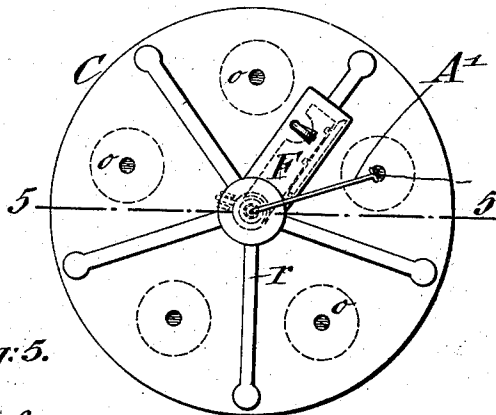
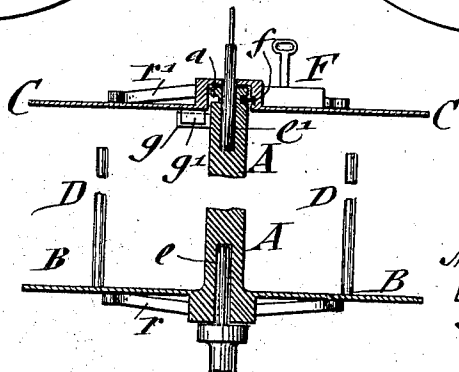


Fig: 5.



WITNESSES:

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SPOOL-STAND.

SPECIFICATION forming part of Letters Patent No. 669,828, dated March 12, 1901.

Application filed November 30, 1900. Serial No. 38,162. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL H. GORNSTON, a citizen of the United States, residing in New York, borough of Brooklyn, in the State of New York, have invented certain new and useful Improvements in Spool-Holders, of which the following is a specification.

This invention relates to spool-holders of that class which are used by manufacturers of silk garments, so that removal of the spools by the operatives, and thereby theft of the spools, is effectively prevented.

The invention consists of a spool-holder composed of a reel formed of a center post provided with a socket in each end and two heads, one of said heads being provided with stationary spindles, on which the spools are placed, while the other head is provided with a locking device, by which it is detachably fixed on the center post of the reel.

In the accompanying drawings, Figure 1 represents a side elevation of my improved spool-holder. Fig. 2 is a horizontal section on line 2 2, Fig. 1. Fig. 3 is a side elevation showing the spool-holder in reversed position for use with bobbins. Fig. 4 is a plan of Fig. 3; and Fig. 5 is a vertical transverse section on line 5 5, Fig. 4.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A indicates the center post of the reel of my improved spool-holder, and B a main head, preferably cast integral with the center post *a*, and C the detachable head. The heads are provided with suitable reinforcing-ribs *r r'* on their outer surfaces. The main head B of the reel is provided with spindles D, which are riveted or otherwise attached to the head B, and on said spindles spools, bobbins, or other thread-carriers are placed. The center post E of the reel is provided at opposite ends with sockets *e e'*, so as to permit the same to be supported on the center post of the supporting-standard E and to receive the stem of the guide-eye A'. The end of the center post A, to which the detachable head C is applied, is provided with an annular groove *a*, said groove being engaged by the bolt of a lock F, which is applied to the detachable head C, so that when the bolt *f* is thrown, as in

Fig. 5, connection of the detachable head C with the center post is made without impairing the free motion of the reel on the center post A.

When the spool-holder is used for supplying the thread for ordinary sewing-machines, the spools are supported in the manner shown in Figs. 1 and 2. In this case the detachable head C forms the lower part of the spool-holder, the ends of the spindles being at some distance from the same and the spools resting on the detachable head C, as shown in Fig. 1. The supporting-reel turns readily according to the position of the spool that is in use. As the head C is locked to the center post, the spools cannot be removed from the latter. When the thread is used up, the attendant unlocks the head C, so as to permit the taking off of the empty spools and to supply new spools to the spindles.

When the spool-holder is to be used with bobbins that supply the thread to the guide-eye A', supported on a reel above the spool-holder, the spool-holder is used in inverted position, as shown in Figs. 3, 4, and 5. In this case the head C is at the upper part and the head B at the lower part of the spool-holder. Openings *o* are provided in the head above the spool, so as to conduct the thread through the guide-eyes A', as shown in Fig. 3. The post A is provided with a radial lug *g* at its grooved end, that engages with parallel lugs *g' g'* at the inner side of the detachable head C, so that the latter can be locked to the center post A without turning on the same. The locking-lugs *g g'* are shown in Figs. 2, 3, and 5.

The center post and heads of my improved spool-holder are made of suitable cast metal, so that it can be manufactured at a comparatively low cost. They form a very convenient attachment for sewing-machines wherever ladies' silk garments are made, in which it is necessary to prevent removal of the spools from the holder, the improved holder forming a reliable and convenient retaining device for the spools or bobbins.

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

1. A spool-holder, composed of a center

post provided with corresponding sockets in its opposite ends, either socket being adapted to receive the supporting-pintle, whereby the holder is rendered reversible, a main head at one end of the said center post provided with spool-supporting spindles, a detachable head applied to the opposite end of the center post, and means for locking said detachable head to the center post, substantially as set forth.

2. A spool-holder, composed of a center post provided with corresponding sockets in its opposite ends, a main head at one end of the center post provided with spool-supporting spindles, a detachable head applied to the opposite end of the post and provided with holes for the passage of the thread, and means for locking the said detachable head to the end of the center post, said spindles, in the locked position of the parts, terminating short of the detachable head, leaving the

said holes entirely free and clear, substantially as set forth.

3. A spool-holder, composed of a center post, a main head at one end of the same, the other end being grooved said head being provided with spool-holding spindles, a detachable head, at some distance from the ends of the spindle interlocking lugs on the post and detachable head respectively and a locking device for locking said detachable head to the grooved end of the center post, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

MICHAEL H. GORNSTON.

Witnesses:

PAUL GOEPEL,
GEORGE GEIBEL.