

No. 812,670.

PATENTED FEB. 13, 1906.

L. W. NEAR.
SPOOL HOLDER.

APPLICATION FILED APR. 14, 1905.

Fig. 1.

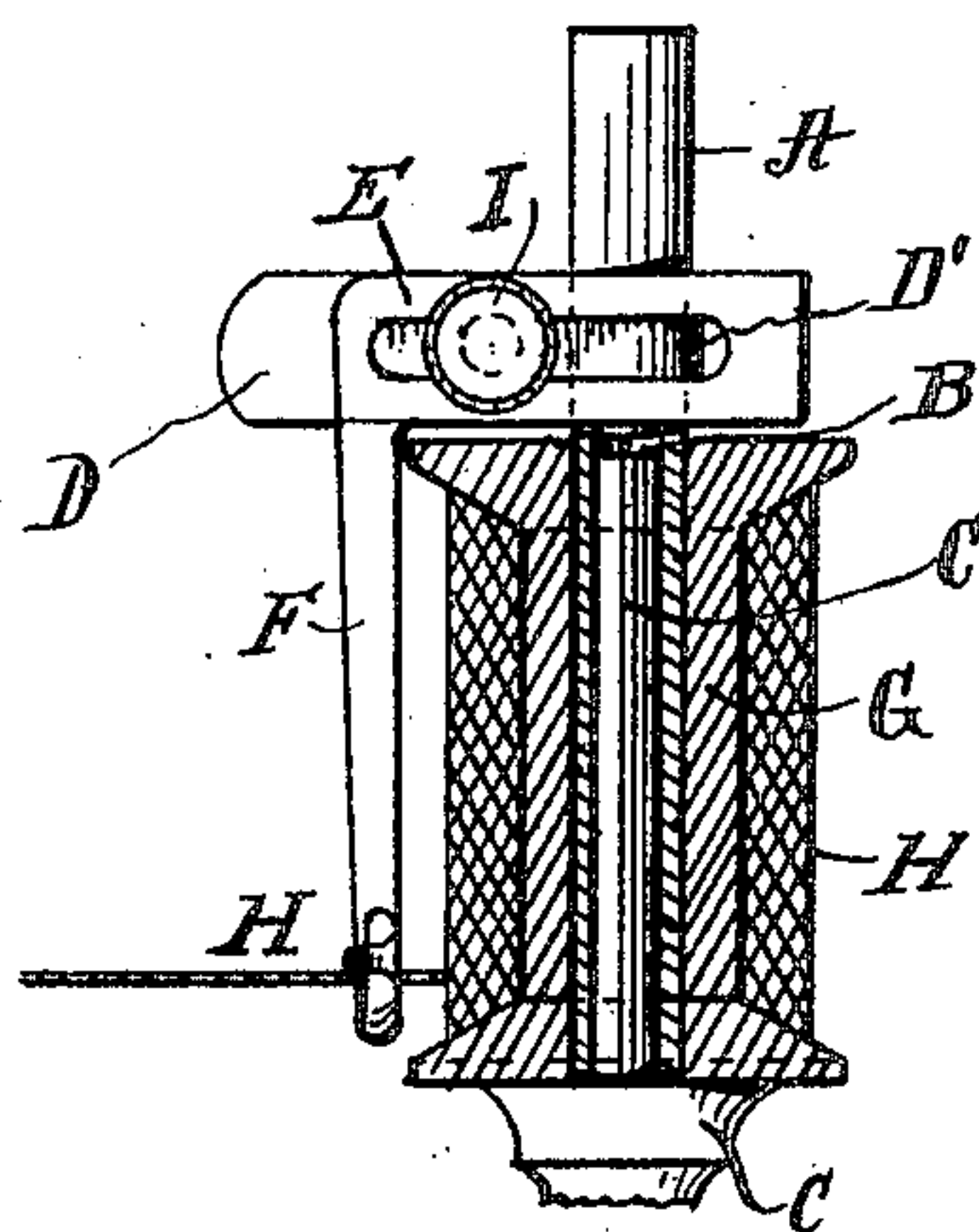
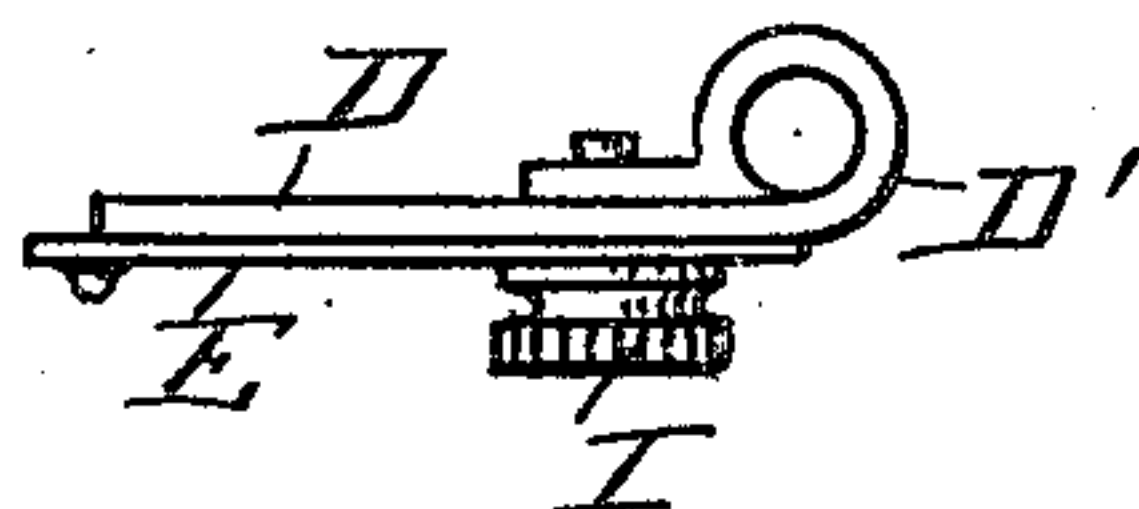


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

LIZZIE W. NEAR, OF MUSKEGON, MICHIGAN.

SPOOL-HOLDER.

No. 812,670.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, LIZZIE W. NEAR, a citizen of the United States, residing at Muskegon, in the county of Muskegon and State of Michigan, have invented new and useful Improvements in Spool-Holders, of which the following is a specification.

My invention relates to certain new and useful improvements in spool-holders for sewing-machines, and its object is to prevent the thread from falling off from the spool and from falling down around the supporting-post.

In describing the invention in detail reference is had to the accompanying drawings, which form a part of this specification and wherein like reference characters denote corresponding parts throughout both views, and in which—

Figure 1 is a side elevation with the spool in section, and Fig. 2 is a top plan with the post and spool removed.

C represents the usual spool-post of a sewing-machine, having the shoulder and the upwardly-projecting spindle illustrated, upon which spindle the spool is placed and freely revolves. In connection with this I provide a hollow post A of suitable size to be inserted within the spool-opening and to receive in such hollow the spindle of the spool-post. The hollow post is then dropped down over the spindle of the spool-post and the parts assume the position shown in the drawings, the hollow post A being upright and extending some distance above the spool-spindle.

In connection with the hollow post A, I provide a laterally-extending arm D, which is held in slidable connection with the post by having the end D' thereof bent around the post, so as to grip the same and form a sliding clip and which may be so held in any other suitable manner. To this lateral arm D, I attach through the medium of the set-screw I a laterally-adjustable slotted arm E, which carries a depending guard terminating in the thread-guide F.

The spool is represented by G and the thread wound thereon by H.

Having placed the spool upon the spindle and inserted the hollow post in the spool and over the spindle, I vertically adjust the arm D until it is immediately over the top of the spool, and then I laterally adjust the arm E until the depending guard is nearly in contact with the top and bottom of the spool. I

then fix the parts in this position by adjusting the set-screw shown, the construction being such that both arms may be fixed in their positions by the same set-screw. I then insert the thread through the thread-guide and lead it to the point of insertion in the machine, which point of insertion may be the usual tension-guide through which the thread passes on its way to the needle-eye.

When the machine is in operation, the spool will unwind as the thread is withdrawn through the guide; but the depending guard practically closes the opening between the top and bottom of the spool and prevents the falling of the thread off from the spool and down around the supporting-post and the subsequent entanglements. This is very liable to happen, as the spool will often revolve faster than is required to supply the thread consumed, and my device avoids this difficulty.

In referring to the opening between top and bottom of the spool or to the side opening of the spool I refer to the outside vertical space between the top and bottom flanges of the spool, through which opening thread loosened from the spool would or might fall away from the spool and fall down around the spool part.

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

1. An attachment to a spool-holder for sewing-machines, the same consisting of a hollow post adapted to be inserted over the spool-spindle, a vertical guard adapted to close the side opening of the spool and means for carrying the guard upon the post and for adjusting the guard to proper relation to the spool.

2. An attachment to a spool-holder for sewing-machines, the same consisting of a hollow post adapted to be inserted over the spool-spindle, a horizontal arm upon the hollow post and a depending guard carrying the thread-guide, and means for laterally adjusting the depending guard upon the horizontal arm.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

LIZZIE W. NEAR.

Witnesses:

DAVID D. ERWIN,
MAE A. ROCKENBACH.