

No. 752,536.

PATENTED FEB. 16, 1904.

M. DUNCOMBE.
NEEDLE CUSHION SPOOL.
APPLICATION FILED JULY 25, 1903.

NO MODEL.

Fig. 1

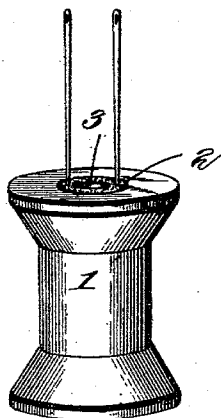


Fig. 2.

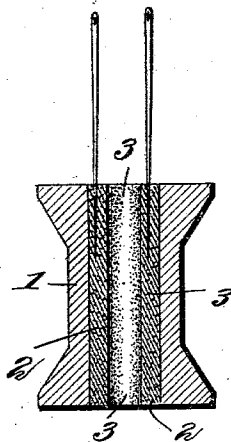


Fig. 3.

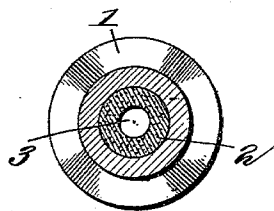


Fig. 4.

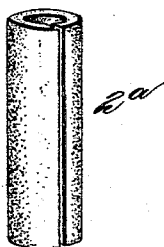
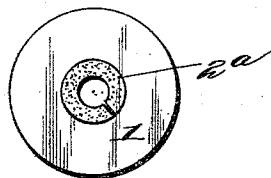


Fig. 5.



WITNESSES:

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MAURICE DUNCOMBE, OF WATTSBURG, PENNSYLVANIA.

NEEDLE-CUSHION SPOOL.

SPECIFICATION forming part of Letters Patent No. 752,536, dated February 16, 1904.

Application filed July 25, 1903. Serial No. 167,034. (No model.)

To all whom it may concern:

Be it known that I, MAURICE DUNCOMBE, a citizen of the United States, and a resident of Wattsburg, in the county of Erie and State of Pennsylvania, have made certain new and useful Improvements in Needle-Cushion Spools, of which the following is a specification.

It is the object of my invention to provide thread-spools or bobbins with an improved cushion attachment for receiving and supporting sewing and other needles while not in use.

The details of construction, arrangement, and combination of parts are as hereinafter described, and shown in accompanying drawings, in which—

Figure 1 is a perspective view of a thread-spool provided with one form of my improved needle-cushion. Fig. 2 is a longitudinal section of the same, and Fig. 3 is a cross-section. Fig. 4 is a perspective view of a needle-cushion of modified construction. Fig. 5 is an end view of a spool provided with such modified cushion.

I will first describe my invention as illustrated in Figs. 1, 2, and 3. The wooden spool or bobbin proper, 1, is constructed in the usual way, with a longitudinal central bore. Within the latter I arrange a needle-cushion 2, which is constructed as follows: The cushion is made in the form of a solid or continuous hollow cylinder, its central passage having such diameter as adapts it to receive the skewer or pin of a sewing-machine or a stand of a spool or the portable bobbin-holder. The cushion may be formed of various soft materials—such, for example, as felt. Rolled woven fabric and compacted cotton or wool may be employed. The cushion has preferably the same length as the spool 1, so that their ends are flush, as shown, but its diameter is slightly greater than that of the bore in the spool, so that it requires to be slightly compressed when inserted in place, as shown, and upon expanding in the spool-bore it presses closely against the walls of the latter, and thus holds its place by friction. I may, however, employ any adhesive or cementitious substance for securing the cushion more firmly in place.

In the modification shown in Figs. 4 and 5 the cushion 2^a is formed of a thick layer of soft elastic material, the same being a rectangular piece, which is rolled into a hollow cylinder whose side edges are in contact, as shown. Such elastic cushion when inserted in the spool proper, 1, holds its place by expansion and friction, as will be readily understood.

In either form of construction the cushion furnishes an attachment for the ordinary thread-spool, which is of the greatest convenience and utility for holding needles required for hand or machine work.

It is to be understood that I design my invention to be applied to spools or bobbins adapted for holding yarn as well as sewing-thread and that the cushion may in some cases be inserted in a bore or socket formed in the spool outside of or eccentrically to the bore and made in any form, cylindrical or square, &c.

What I claim is—

1. A thread-spool having a central longitudinal bore provided with a hollow cylindrical needle-cushion formed of soft elastic material which is exposed at the ends of spool substantially as described.

2. A thread-spool having a central longitudinal bore containing an inserted hollow cylindrical needle-cushion which is formed of soft but elastic material and made of slightly-greater diameter than the bore of the spool proper so that when inserted it holds its place by expansion and consequent friction with the sides of the bore the ends of the cushion being visible and accessible at the ends of the bore substantially as described.

3. A thread-spool having a central longitudinal bore and an inserted needle-cushion formed of a rectangular piece of elastic material, said piece being formed into a cylinder with its side edges in apposition, substantially as described.

MAURICE DUNCOMBE.

Witnesses:

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SOLON C. KEMON.