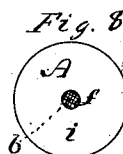
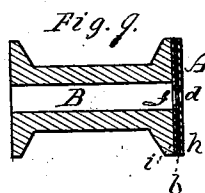
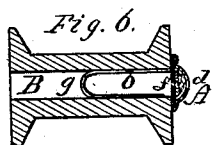
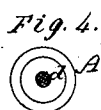
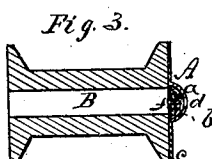


W. H. BIXLER.
Needle Cushions.

No. 140,609.

Patented July 8, 1873.



Witnesses,
E. M. Gallagher.
Geo. P. Bartle.

Inventor,
W. H. Bixler,
By his Attorney,
J. S. Brown.

UNITED STATES PATENT OFFICE.

WASHINGTON H. BIXLER, OF EASTON, PENNSYLVANIA.

IMPROVEMENT IN NEEDLE-CUSHIONS.

Specification forming part of Letters Patent No. **140,609**, dated July 8, 1873; application filed April 15, 1873.

To all whom it may concern:

Be it known that I, WASHINGTON H. BIXLER, of Easton, in the county of Northampton and State of Pennsylvania, have invented a Needle-Cushion to be attached to a thread-spool; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings making part of this specification—

Figures 1 and 2, respectively, being front and back views of the needle-cushion; and Fig. 3, a central longitudinal section of a thread-spool, showing the needle-cushion attached thereto; Figs. 4 and 5, respectively, front and back views of a modified construction of the needle-cushion; and Fig. 6, a central longitudinal section of a thread-spool with the same attached thereto; Figs. 7 and 8, respectively, front and back views of another modified construction of the needle-cushion; and Fig. 9, a central longitudinal section of a thread-spool with the same attached thereto.

Like letters designate corresponding parts in all of the figures.

The nature of my invention consists in a needle-cushion of the proper size to attach to the end of an ordinary thread-spool, and so constructed and arranged that when it is attached to the spool the needles may enter the central hole of the spool, it being capable of holding one or several needles at once. I propose to construct the needle-cushion and to attach it to a thread-spool in various ways; and I will proceed to describe the same by reference to the drawing.

Thus, in Figs. 1 and 2 the needle-cushion A consists of a hollow metallic case, *a*, stuffed with a proper material, *b*, and secured to a paste-board disk, *c*, by which it is pasted to the end of a thread-spool, B, as shown in Fig.

3. There is a central aperture, *d*, through the case, and a corresponding aperture, *f*, through the center of the disk *c*, as shown, to admit the needles into the cushion. In Figs. 4 and 5 the case *a* of the needle-cushion A, instead of being applied to a paste-board back for attaching to the spool, has a bent spring shank, *b*, which is simply slipped into the aperture *g* of the thread-spool B, the force of the spring being sufficient to prevent the falling out of the needle-cushion. By this construction the same needle-cushion can be transferred from one thread-spool to another when the thread of the previous spool is exhausted. In Figs. 7 and 8, instead of a metallic case the stuffing or body *b* of the cushion is simply pasted or otherwise secured between two thicknesses, *h i*, of paper or paste-board, one of which is pasted to the end of the spool. This is a very cheap mode of constructing and applying the invention, and is suitable for permanent attachment to the spool by the manufacturer.

Other modifications of construction, such as stiff cloth, one or more thicknesses, with or without intermediate stuffing, may be employed.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A needle-cushion, A, constructed for attachment to a thread-spool, substantially in the manner herein specified.

2. A needle-cushion, A, combined with a thread-spool, substantially as described, and for the purpose specified.

Specification signed by me this 7th day of February, 1873.

W. H. BIXLER.

Witnesses:

JAS. L. MINGLE,
JNO. ROTHROCK.