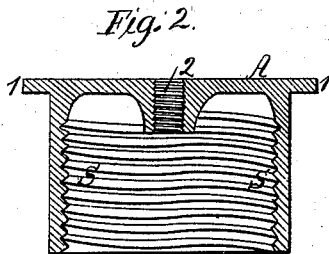
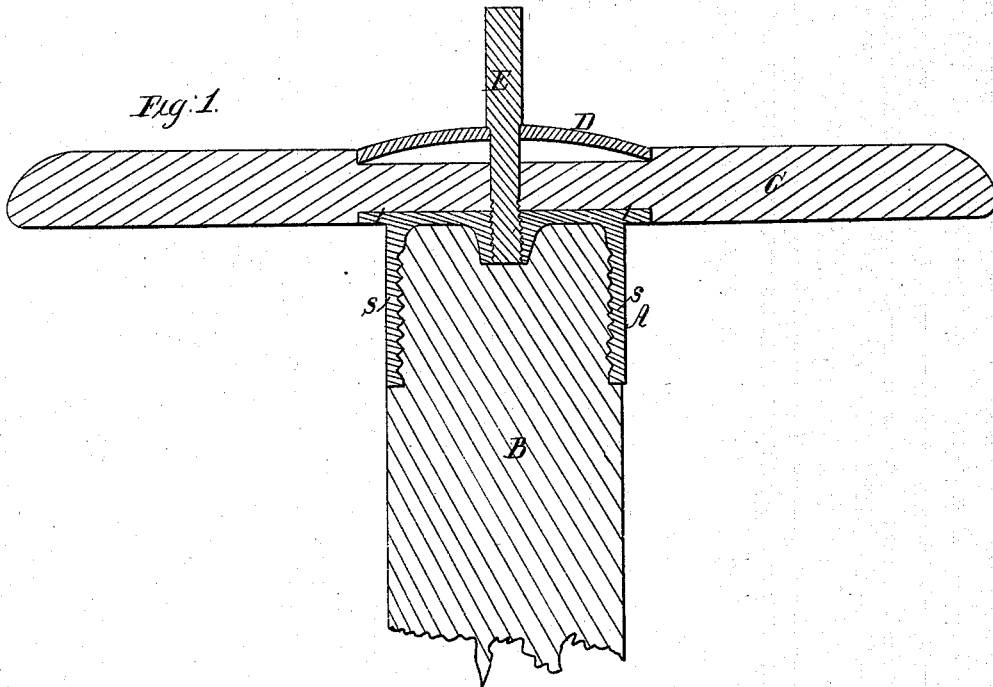


L. N. Parks.

Bobbin.

N^o 47,658.

Patented May 9, 1865.



Witnesses;

J. P. Hale Jr
W. E. Fisher

Inventor;

L. N. Parks

UNITED STATES PATENT OFFICE.

LEVI N. PARKS, OF WINCHENDON, MASSACHUSETTS.

IMPROVEMENT IN MODE OF FASTENING HEADS TO SPOOLS.

Specification forming part of Letters Patent No. 47,658, dated May 9, 1865.

To all whom it may concern:

Be it known that I, LEVI N. PARKS, of Winchendon, in the county of Worcester and State of Massachusetts, have invented a new and useful Improvement on Spools Used in Manufacturing; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification.

Of such drawings Figure 1 is a section of the spool-body and its head as provided with my invention. Fig. 2 is a section of the metallic cap constituting part of my said invention.

The nature of the improvement consists in combining the body with the head of the spool by means of a socketed cap fastened or screwed to the body and confined to the head by means substantially as hereinafter described.

The said metallic cap (shown at A in Figs. 1 and 2) has a flat top and a flange, 1. It also has a hole, 2, formed with a female screw, the whole being as shown in Fig. 2. This cap also has another screw, s, by which it is to be screwed on the end of the body B of the spool, after which the head C of the spool should be placed on the cap in manner as shown in Fig. 1, and be secured in place not only by a metallic disk, D, arranged on the outside of the head, but

by means of a screw-gudgeon, E, which passes through the disk and screws into the hole 2 of the cap. The gudgeon supports the spool while in operation.

By the use of the above-described cap with the flange thereon a larger surface is obtained for the attachment of the head to the body of the spool, thus securing the head more firmly and diminishing its liability to be broken; and whenever a head is broken a new head may be substituted for the broken one, thus avoiding the loss of the remaining parts of the spool.

What I claim as my invention is—

1. The combination and arrangement of the metallic cap A with the body B, the head C, and the gudgeon E of the spool, the said cap being fastened to the head and to the gudgeon and to the body by means substantially as described.

2. In combination with the body B, head C, metallic cap A, and gudgeon E, applied together as specified, the metallic disk D, arranged on the external surface of the head, and so as to receive the gudgeon, as specified.

LEVI N. PARKS.

Witnesses:

GILES H. WHITNEY,
JAMES B. ROBBINS.