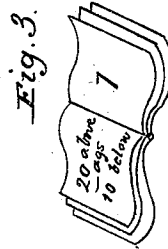
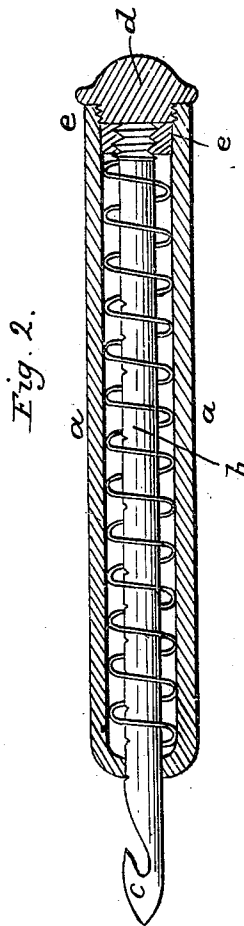
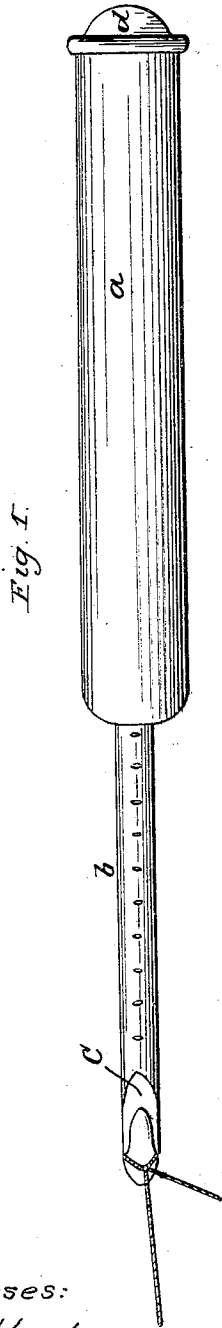


S. P. SLEPPY.

Tension Indicator for Sewing Machines.

No. 42,801.

Patented May 17, 1864.



Witnesses:
Aldson Morse
M. Barrett

Inventor:
Simon P. Sleppy

UNITED STATES PATENT OFFICE.

SIMON P. SLEPPY, OF WILKES-BARRÉ, PENNSYLVANIA.

TENSION-INDICATOR FOR SEWING-MACHINES, &c.

Specification forming part of Letters Patent No. 42,801, dated May 17, 1864.

To all whom it may concern:

Be it known that I, SIMON P. SLEPPY, of Wilkes-Barré, Luzerne county, State of Pennsylvania, have invented a new and improved mode of ascertaining degrees of tension on the threads of sewing-machines and knitting-machines which is required on various fabrics; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in making a sewing-machine and knitting-machine tension-indicator, as more fully described hereinafter.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

It consists of a tube, *a*, within which is a coiled spring, *f*, surrounding an indicator-bar, *b*, with degrees marked thereon. This bar has a hook, *c*, on its outer end, the object of which is to allow the operator, whenever he desires to ascertain the degrees of tension upon the threads of sewing-machines or knitting-machines, to seize the thread with this hook. It has on the other end a male screw entering a female screw, *e*, which is to regu-

late the force of the spring *f*. Screw *d* is to keep spring *f* and bar *b* within case *a*.

Accompanying this tension-indicator, but forming no part of it, I have, if desired, a number of pieces of fabrics of different kinds and thicknesses, which I generally fasten together in the form of a book or roll, and on these different pieces I have rows of stitching, and on each piece I also place a number which corresponds to a number on the indicator *b* and shows the tension used to make just such a stitch.

In order to use my invention, the operator takes hold of the tube *a* and hooks the hook *c* on the thread. The thread-tension device is then adjusted until the thread is held, as will be indicated by the graduated scale on bar *b* of my tension-indicator, at the degree of tension desired.

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

The tension-indicator made substantially as herein described and for the purpose set forth.

SIMON P. SLEPPY.

Witnesses.

J. M. BARRETT.

A. MORSE.