

(No Model.)

L. A. MILLER.
SPOOL HOLDER FOR SEWING MACHINES.

No. 438,854.

Patented Oct. 21, 1890.

Fig. 1.

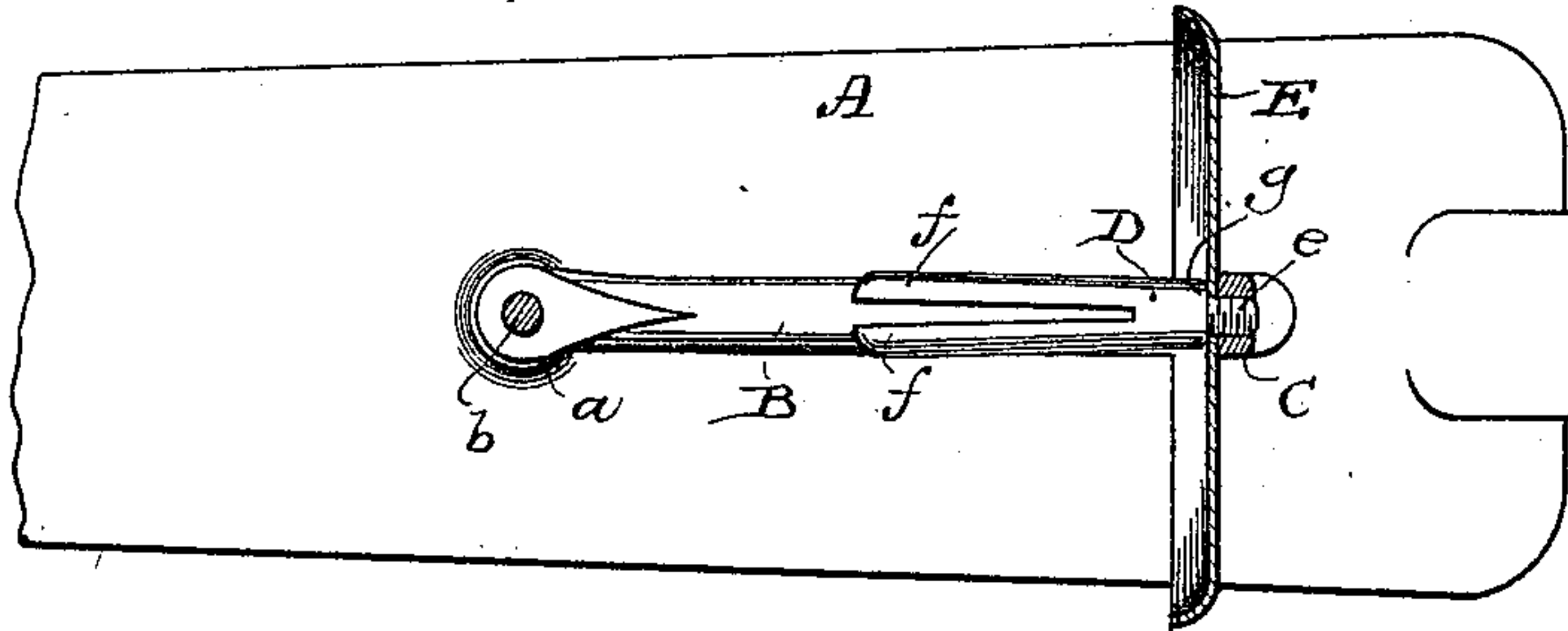


Fig. 2.

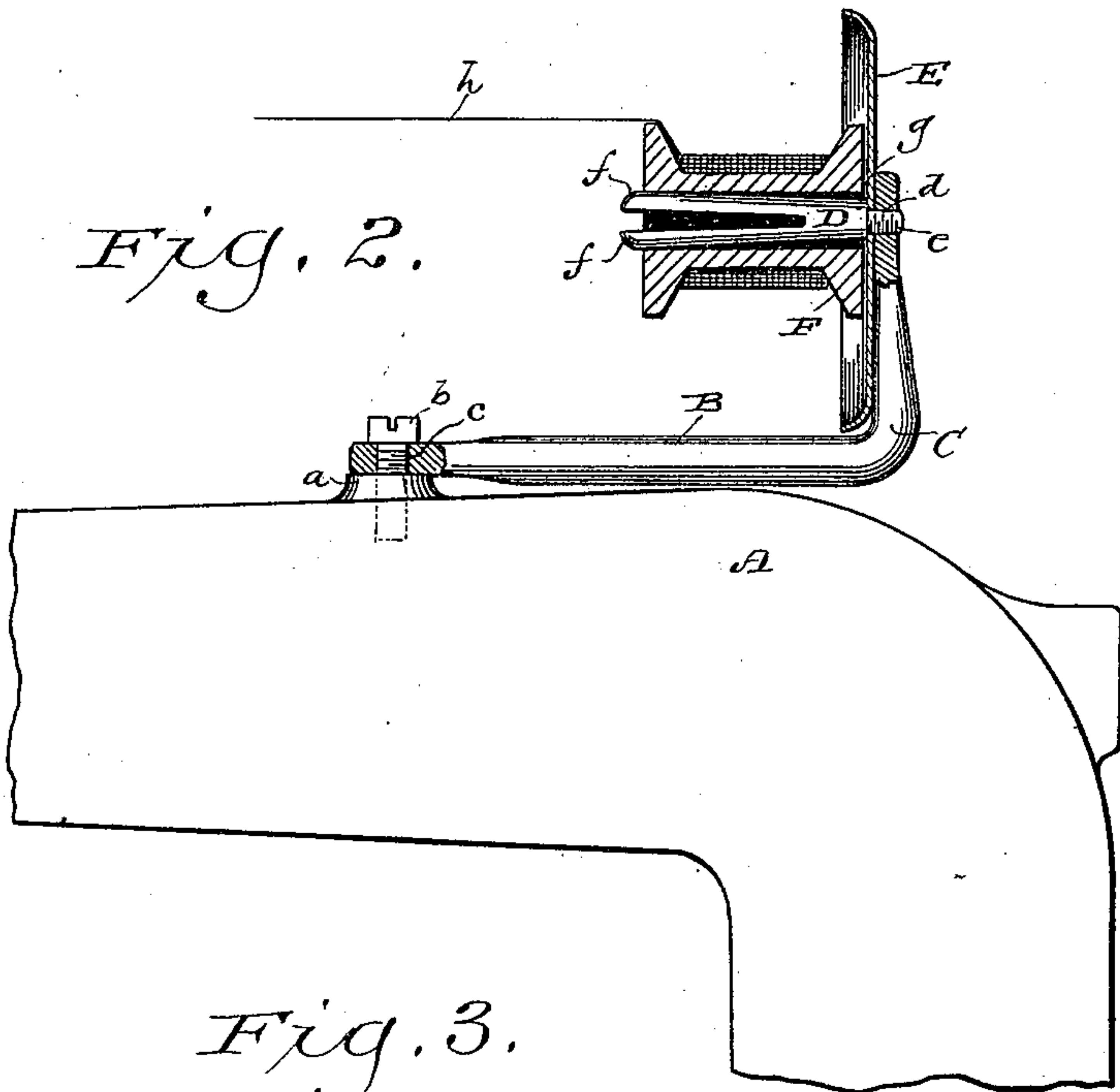
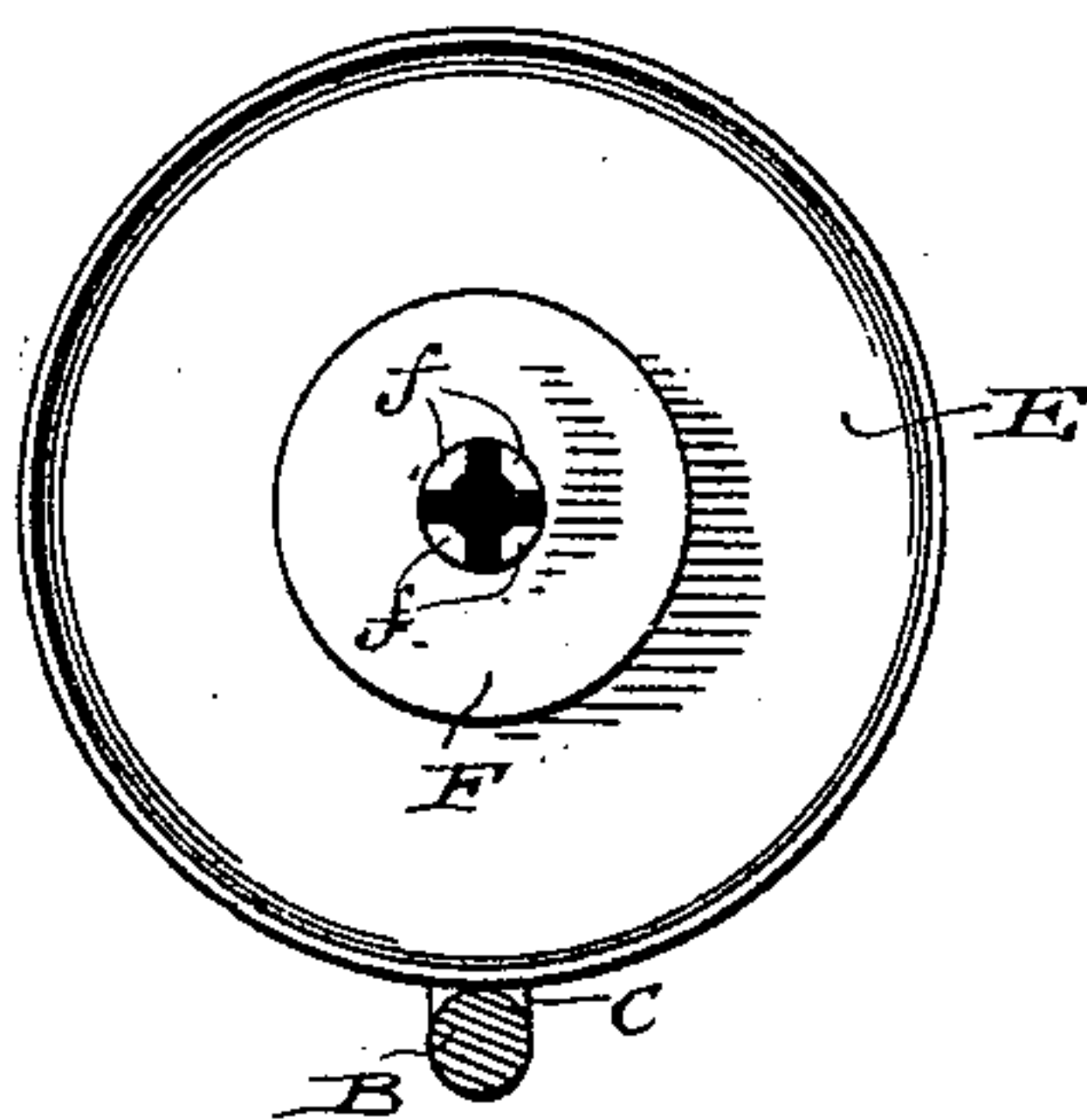


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

LEE A. MILLER, OF PORTAGE, ASSIGNOR OF ONE-HALF TO SAMUEL B. FULLER, OF WATERTOWN, WISCONSIN.

SPOOL-HOLDER FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 438,854, dated October 21, 1890.

Application filed February 21, 1890. Serial No. 341,266. (No model.)

To all whom it may concern:

Be it known that I, LEE A. MILLER, of Portage, in the county of Columbia, and in the State of Wisconsin, have invented certain new and useful Improvements in Spool-Holders for Sewing-Machines, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to spool-holders for sewing-machines, &c.; and it consists in certain peculiarities of construction, as will be fully set forth hereinafter, and subsequently claimed.

In the drawings, Figure 1 is a plan view of my device, partly in section, in position for use. Fig. 2 is a vertical sectional elevation of the same, showing it in use; and Fig. 3 is a face view of the parts shown in Fig. 2.

A is the arm of a sewing-machine, which, as ordinarily constructed, is provided with a screw-threaded bore on top for the reception of a spool-pin, as indicated at the point where I have shown a boss *a* in the drawings, and my device is adapted to be secured in place by a screw *b*.

My device consists, primarily, of a right-angled or L-shaped bar B C, the horizontal arm B of which has an opening *c* at its end, through which the said fastening-screw *b* passes, as shown best in Fig. 2. The upright arm C has a screw-threaded perforation *d* near its upper end to receive the screw-threaded end *e* of the spool-pin D, whose other end is split so as to form the spring-fingers *f f*. The screw-threaded end *e* is preferably of reduced diameter, as shown, so as to leave a square shoulder *g* all around it, and between this squared shoulder *g* and the preferably flattened inner surface of the upright arm C there is held the disk E, against which the inner end of the spool is pushed, as shown.

The operation of my device will be readily understood from the foregoing description of its construction. When the device is to be used simply as a spool-pin, a spool F is slipped upon the spring-fingers *f f*, as shown in Figs. 2 and 3, where it is securely held by reason of the described spring of said fingers of the split pin, so that the thread *h* will be drawn off as used over the smooth end of the spool without any necessity of the latter being revolved, and consequently with less fric-

tion and resistance than with the old style of spool-pin; but if for any purpose a rigid vertical spool-pin is desired, it is only necessary to unscrew the split pin D and remove it and the disk E with it, when the upright arm C forms a spool-pin of the old style.

In winding bobbins my device will be found very useful, and if more convenient may be turned at right angles to the arm A by merely loosening the screw *b*, which can then be retightened; but for all ordinary purposes it will be found more convenient in the position shown in the drawings.

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

1. An improved spool-holder for sewing-machines, comprising an L-shaped bar, the lower arm of which is formed at its outer extremity with an eye to receive a screw for attaching the said arm horizontally to the arm of a sewing-machine, and the upper arm of which is formed to enter the bore of a spool from below and to sustain said spool in vertical position, and a split spring-pin detachably connected to the upper end of the upper arm and arranged to enter the bore of a spool and to retain the latter in horizontal position, substantially as set forth.

2. An improved spool-holder for sewing-machines, comprising an L-shaped bar, the lower end of which is formed with an eye to receive a screw for attaching said arm horizontally to the arm of a sewing-machine, and the upper arm of which is formed to enter the bore of a spool from below and to retain the spool in vertical position, a split spring-pin detachably connected to the upper end of the upper arm and arranged to retain the spool in horizontal position, and a disk located adjacent to the upper arm of the L-shaped holder and surrounding the pin, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand, at the city of Eau Claire, in the county of Eau Claire and State of Wisconsin, in the presence of two witnesses.

LEE A. MILLER.

Witnesses:

ED. H. HIBBARD,
JOHN LANGDON.