

W. E. BARROWS.
Thread-Fastening on Spools.

No. 215,786.

Patented May 27, 1879.

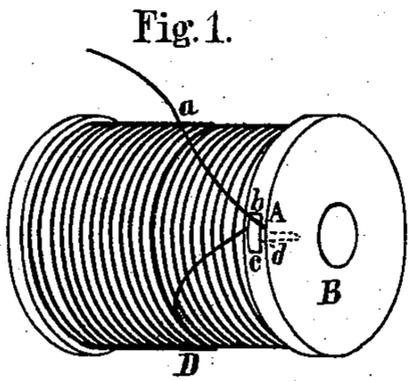


Fig. 2.



Fig. 3.



Attest;

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UNITED STATES PATENT OFFICE.

WILLIAM E. BARROWS, OF HARTFORD, CONNECTICUT.

IMPROVEMENT IN THREAD-FASTENINGS ON SPOOLS.

Specification forming part of Letters Patent No. 215,786, dated May 27, 1879; application filed July 22, 1878.

To all whom it may concern:

Be it known that I, WILLIAM E. BARROWS, of Hartford, in the county of Hartford and State of Connecticut, have invented a new and useful Improvement in Thread-Fastenings on Spools, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings.

My invention consists, essentially, in the manner of attaching a finger-piece on the edge of a spool, so that the end of the thread wound on the spool may be drawn thereunder and clamped; also, in so forming the finger-piece that one edge shall be a cutter, which, by pulling the thread, shall cut the same at the spool.

In the drawings, Figure 1 is a perspective view of a spool having thread wound thereon, and having a finger-piece attached thereto to form with the spool a clamp embodying my invention. Figs. 2 and 3 are side views of the finger-piece (drawn on a larger scale) removed from the spool.

It is well understood that some device must be used on a spool to fasten the outer end of the thread, and that it is not only needed when the thread is first wound, but that it is very useful during the consumption of the thread. It is necessary that this device should be simple, of little cost, and easily and economically applied. It has been the common way to simply cut a slit in the edge of the spool, which is quite effective in holding the thread; but the thread is not so conveniently drawn into such fastening as is desirable, especially while the thread is being used.

I fasten a suitably-formed finger-piece, A, of metal or other suitable material, on the edge of the spool B by forming with the finger-piece A a pointed shank, C, which is driven into the spool sufficiently far so that the end *a* of the thread D may be pinched and held when drawn under the end *b* of the finger-piece A.

I form one edge of the finger-piece A, or the shank C, (preferably the outer edge, *d*, of the finger-piece A,) as a cutter, as shown, so that when the thread is pulled, for instance, in the direction as it is drawn in Fig. 1, it will be cut at the spool, while a sufficient length of the thread will be retained under the finger-piece to hold it there. The finger-piece A, as here shown, is double—that is, has two ends, *b* and *e*, each of which is formed to hold and cut the thread. One end so formed would be sufficient; but as it is customary to wind the thread on part of the spools in one direction, and on part in another direction, and therefore right and left fastenings would be required, it is found more economical to have them all double.

It will be seen how handily the thread may be fastened and cut by my device, since by simply drawing the thread along the edge of the spool it will be caught and held, and then a simple swing of the hand in a direction to pull the thread, as above stated, will cause it to be cut at the spool.

By means of my device there may be quite a saving in the consumption of the thread, since, the fastening being so easily and naturally done, the end will not be allowed to remain free and become tangled, and the thread being cut close to the spool, there will not be a long free end to be tangled and lost.

I claim as my invention—

1. In combination with a spool, the finger-piece A, having the shank C, when secured to the spool in the manner and for the purpose substantially as hereinbefore described.
2. The finger-piece A, provided with the cutting-edge *d* and shank C, substantially as and for the purpose hereinbefore set forth.

WILLIAM E. BARROWS.

Witnesses:

EDW. DUMMER,
F. C. CLARK.