

No. 637,276.

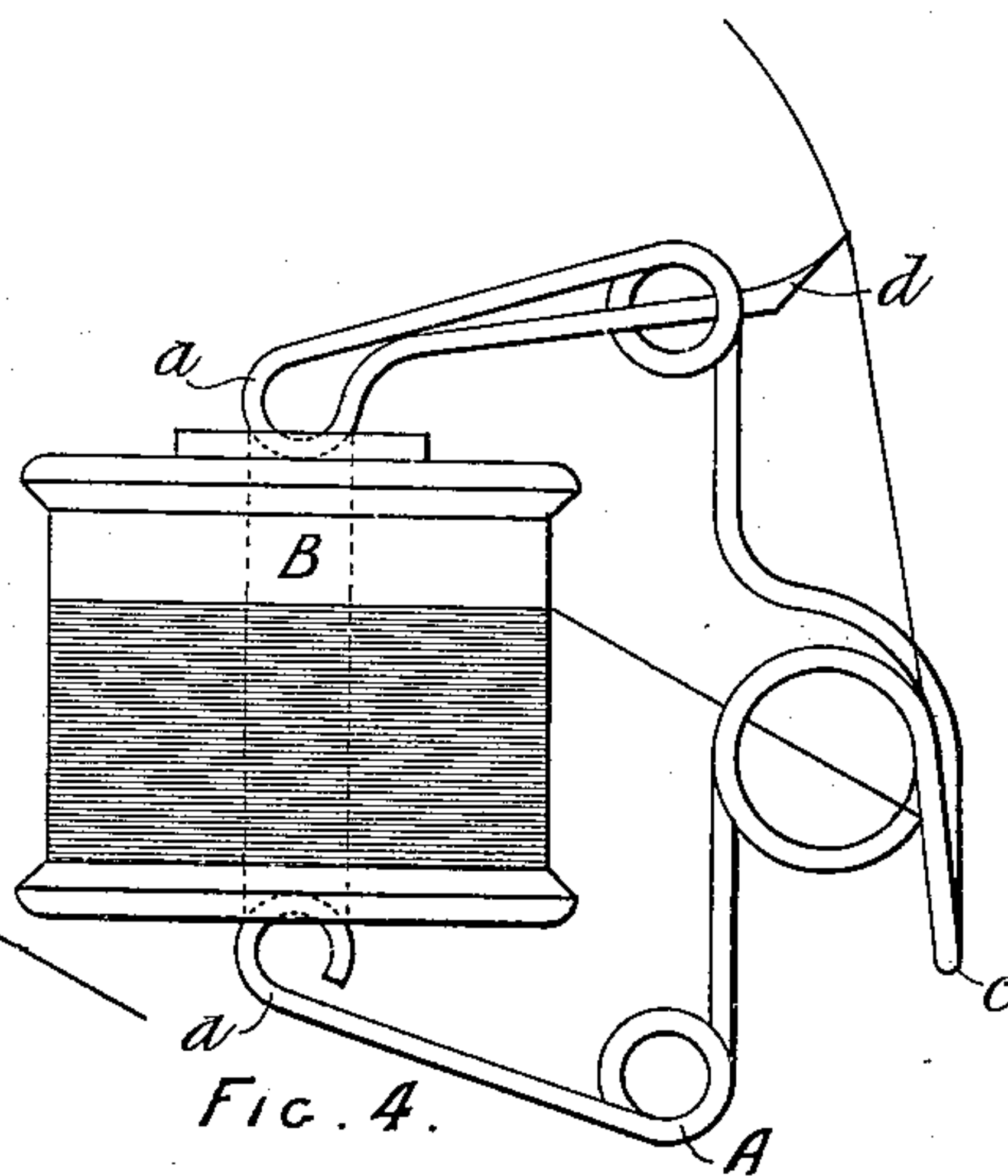
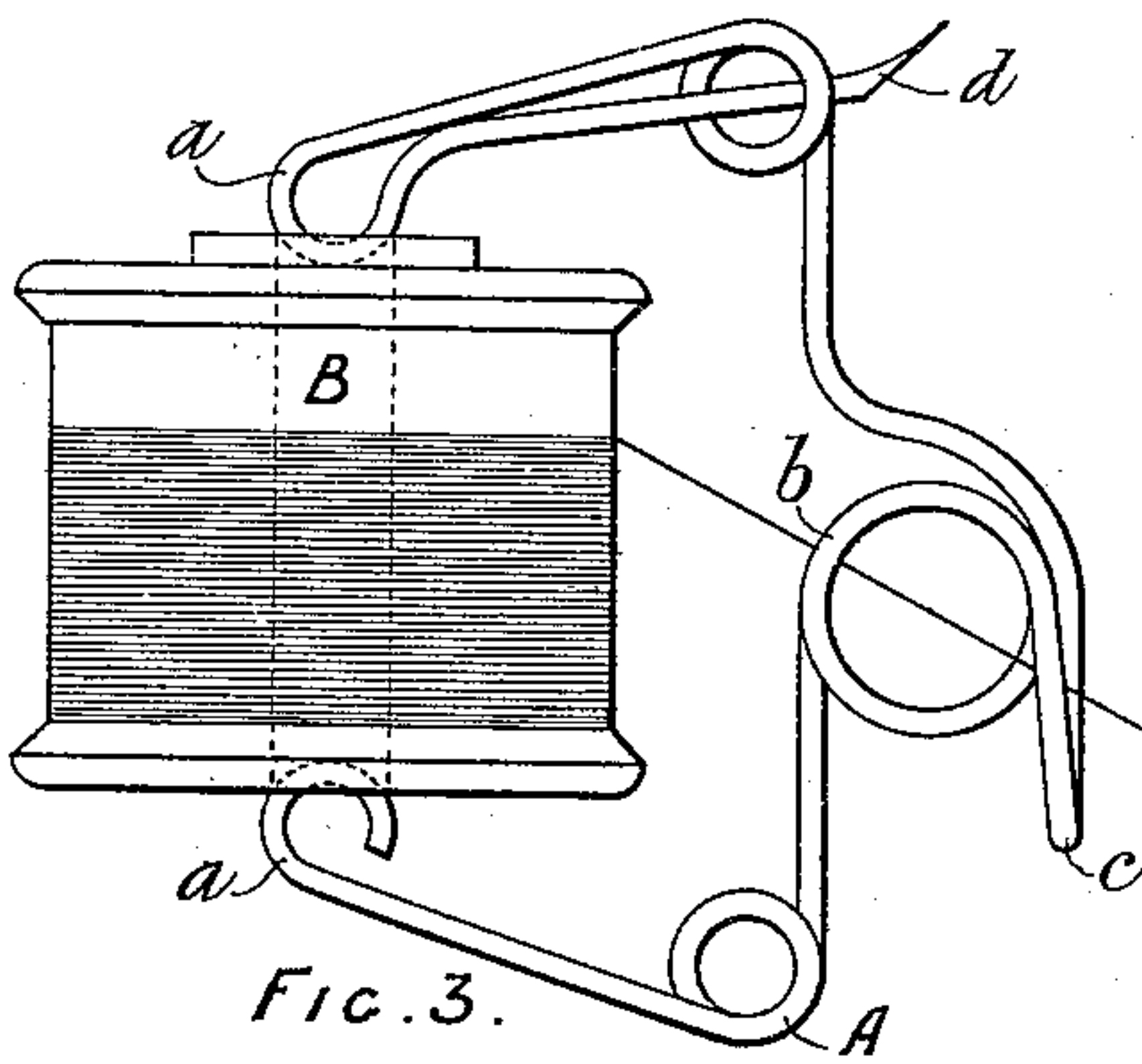
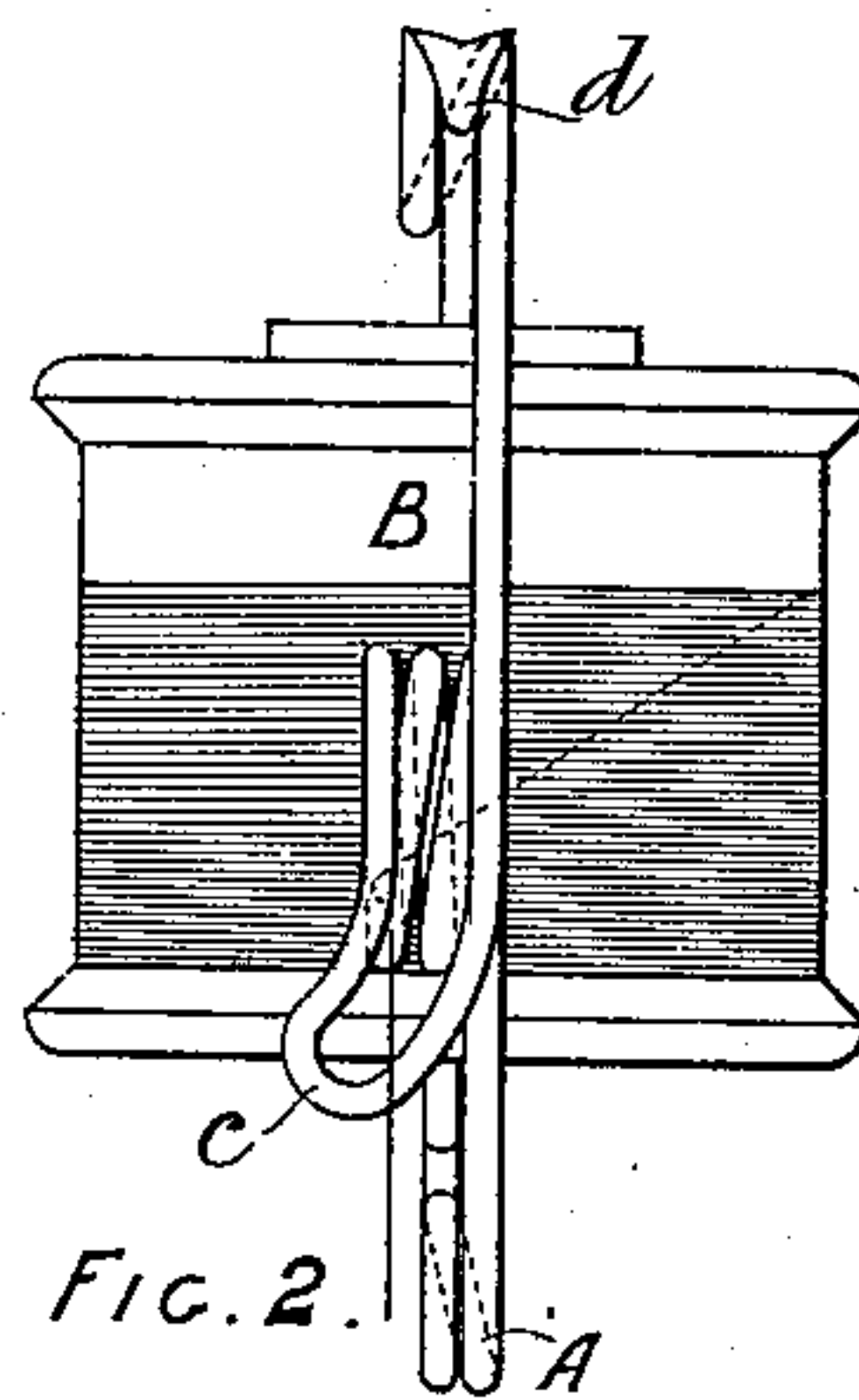
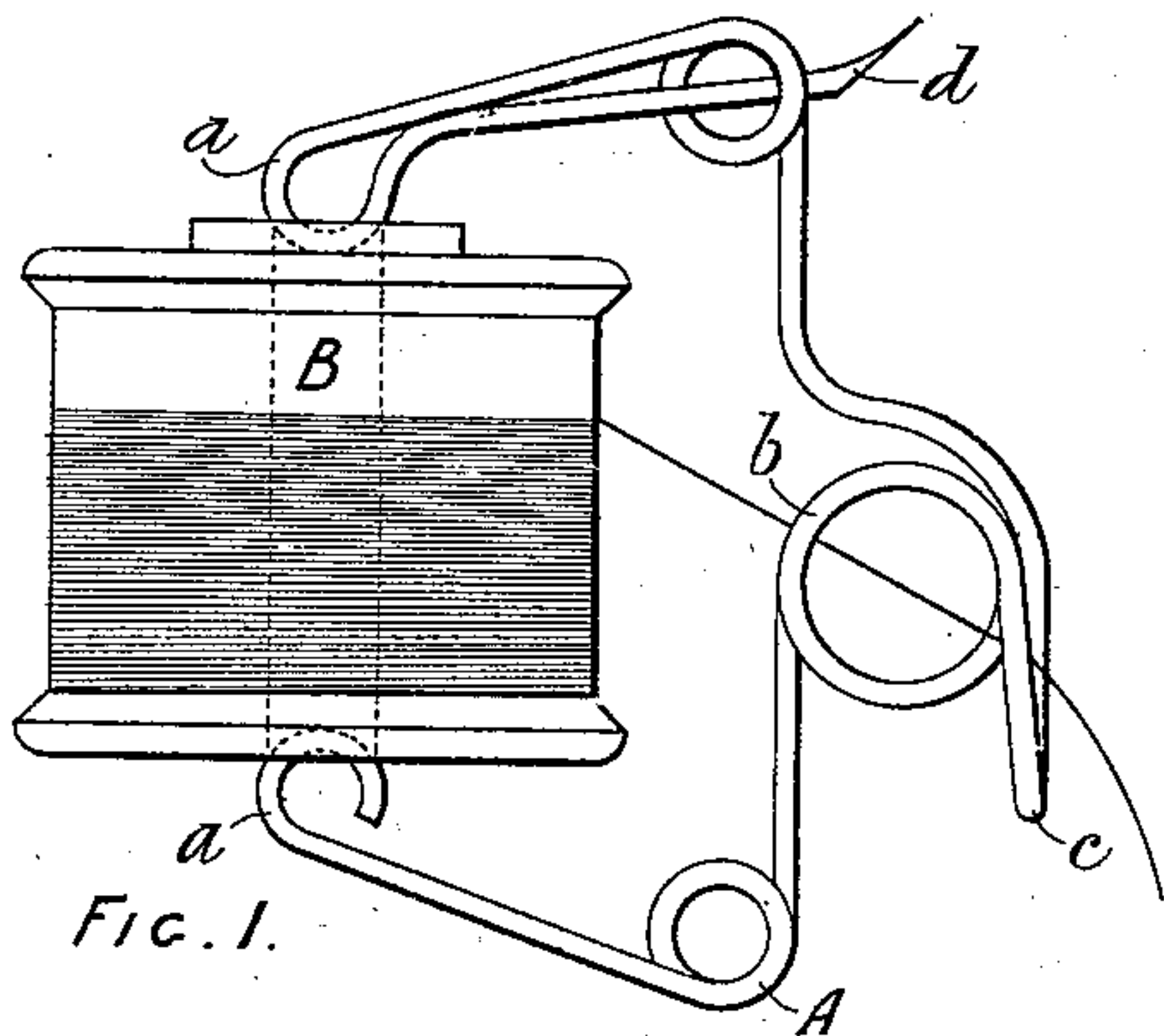
Patented Nov. 21, 1899.

D. W. McLEAN.

SPOOL HOLDER.

(Application filed Dec. 9, 1898.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

DONALD WILLIAM McLEAN, OF CANTERBURY, NEW ZEALAND.

SPOOL-HOLDER.

SPECIFICATION forming part of Letters Patent No. 637,276, dated November 21, 1899.

Application filed December 9, 1898. Serial No. 698,764. (No model.)

To all whom it may concern:

Be it known that I, DONALD WILLIAM McLEAN, a subject of the Queen of Great Britain and Ireland, residing at Mount Hutt, Methven, Canterbury, in the Colony of New Zealand, have invented a new and useful Holder and Cutter Combined for Reels of Cotton or other Thread, (for which I have made application for Letters Patent in New Zealand, bearing date October 25, 1898, No. 11,100,) of which the following is a specification.

The object of this invention is to provide a very simple and inexpensive contrivance for holding a reel of cotton or other thread in such a manner that the end of the thread is left overhanging, so as to be instantly grasped, but so held that the reel will not turn until a slight movement is made, whereby the thread is released and the reel enabled to turn, when any required length of thread can be drawn from the reel and then passed over a cutter formed upon the said holder, thereby cutting off the desired length of thread and at same time securing the remaining end and leaving sufficient overhanging ready for use again.

The holder and cutter combined can be made of different sizes, so as to be used for varying sizes of reels.

Referring to the drawings which form a part of this specification, Figure 1 is a side view of the holder clipping a reel of thread and showing the end of the thread secured, but sufficient overhanging to be easily grasped. Fig. 2 is an end view of the same. Fig. 3 is a side view showing the end of the thread released ready for drawing out. Fig. 4 is a side view showing the thread drawn out and passed over the cutter at top in position for cutting off.

A is the holder, which is made of one piece of wire (preferably steel) turned and formed in the shape as shown. The two outer ends *a* are adapted to spring toward each other and clip the ends of reel B, containing the thread, the tension of these ends preventing the reel from turning too freely. The end of the thread is passed through the coil *b*, thence

threaded through the loop *c* from the inside, and then pulled upward, causing it to be jammed between the side of the loop and the coil, as shown in Figs. 1 and 2, leaving the end available for instant grasping. When a length of thread is required, the overhanging end is pulled down clear of the coil, as shown in Fig. 3, and the desired length drawn from the reel, when an upward movement is made to draw the thread between the loop and the coil, and then passed over the cutter *d*, as shown in Fig. 4, a slight pressure only being necessary to sever the thread, the remaining end being still secured in the coil, but sufficient left overhanging to be readily grasped again when required.

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

1. A thread-holder formed of a single piece of spring-wire bent to form two separated arms adapted to receive and hold a spool or reel between them, the said wire being also bent to form a coil and a contiguous loop through which the thread is adapted to pass, the coil and loop having adjacent converging sides forming a contracted recess adapted to receive the thread when shifted in one direction, substantially as described.

2. A thread holder and cutter formed of a single piece of spring-wire bent to form two separated arms adapted to receive and hold a spool or reel between them, the said wire being also bent to form a coil and a contiguous loop through which the thread is adapted to pass, the coil and loop having adjacent converging sides forming a contracted recess adapted to receive the thread when shifted in one direction and one of its ends being flattened to form a cutting edge, substantially as described.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

DONALD WILLIAM McLEAN.

Witnesses:

A. H. HART,
G. HART.