

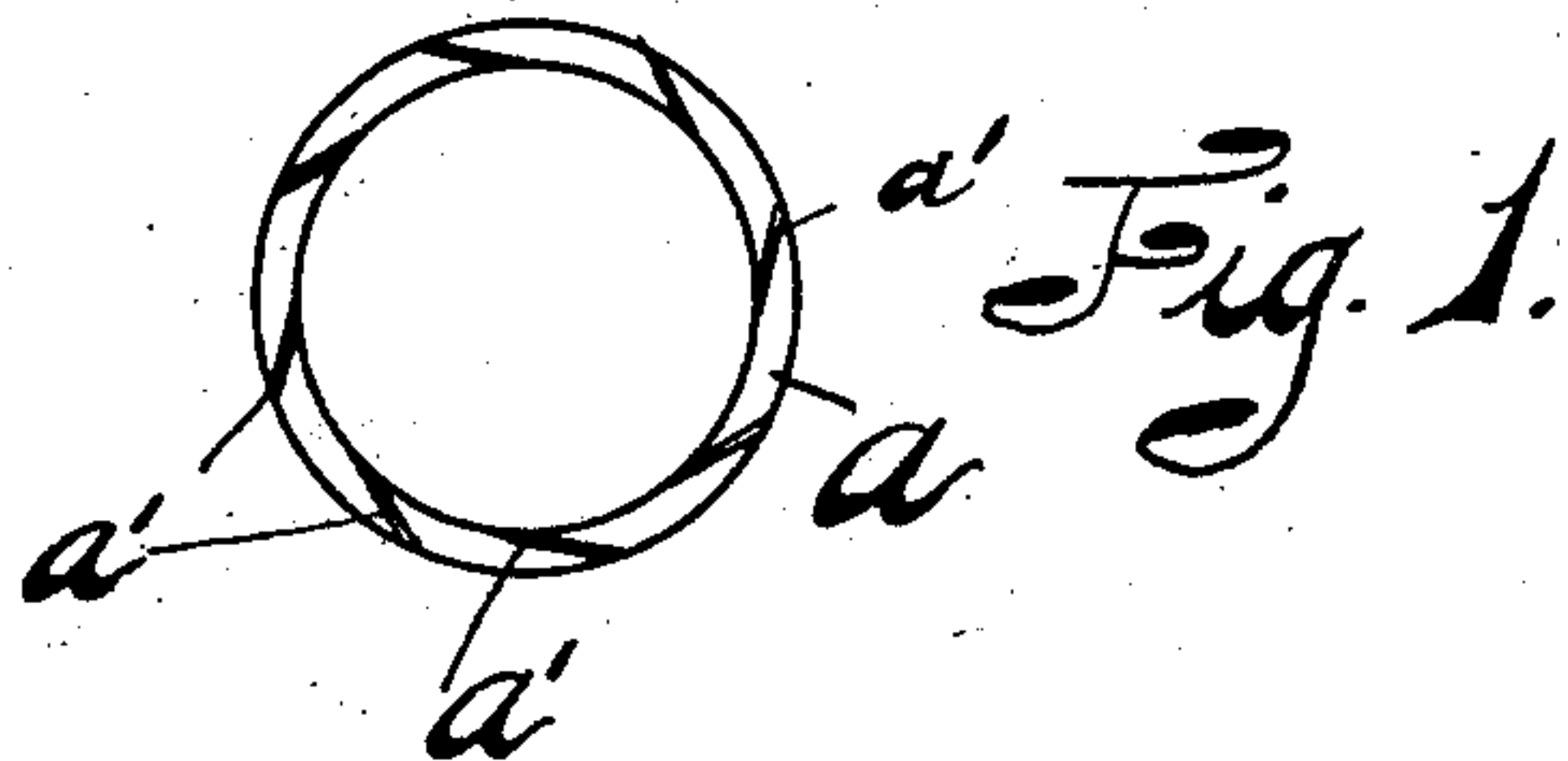
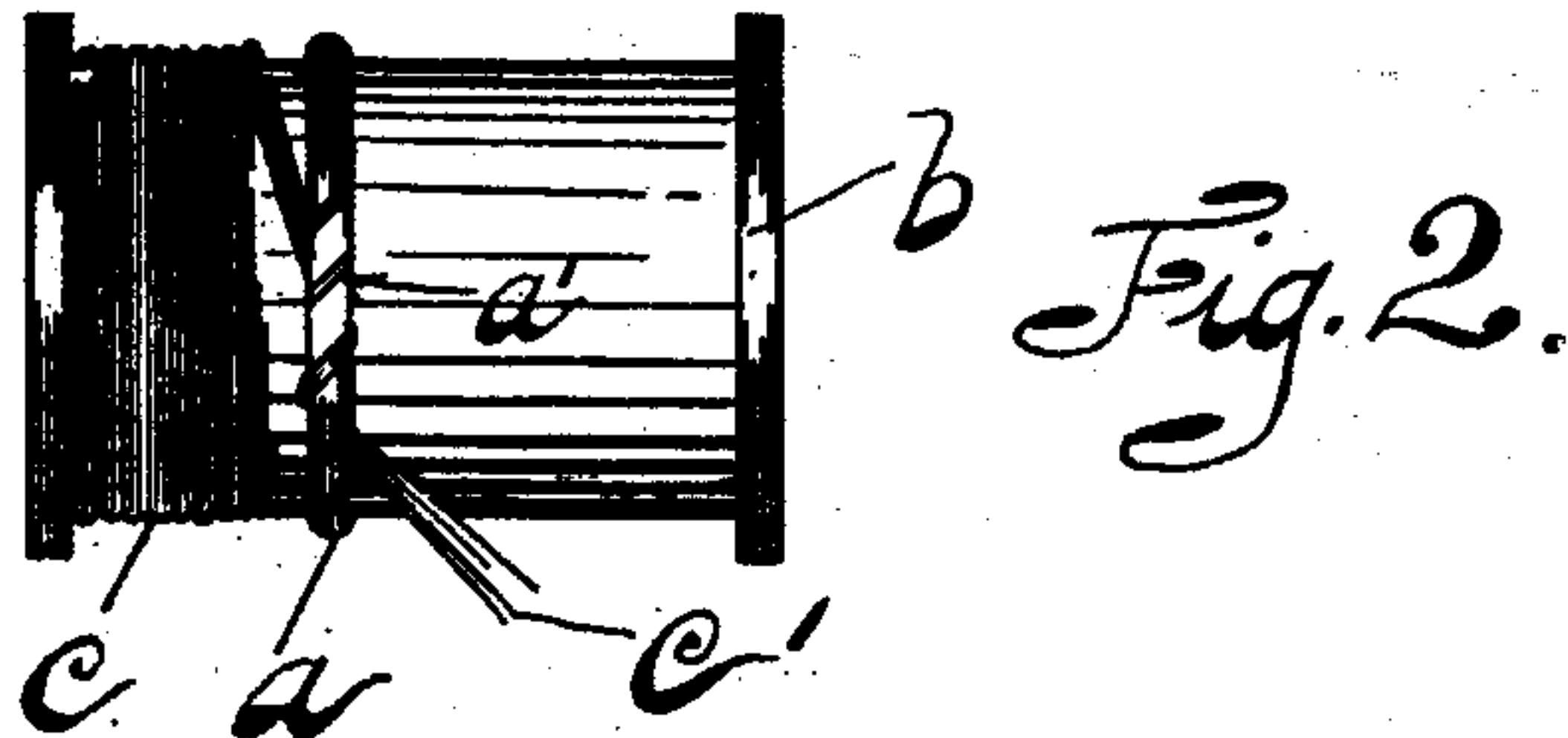
No. 693,854.

Patented Feb. 25, 1902.

D. GAMBLE.
THREAD HOLDER FOR SPOOLS.

(Application filed Nov. 12, 1900.)

(No Model.)



Witnesses.
Alfred J. Budd.

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UNITED STATES PATENT OFFICE.

DANIEL GAMBLE, OF RAMELTON, IRELAND.

THREAD-HOLDER FOR SPOOLS.

SPECIFICATION forming part of Letters Patent No. 693,854, dated February 25, 1902.

Application filed November 12, 1900. Serial No. 36,252. (No model.)

To all whom it may concern:

Be it known that I, DANIEL GAMBLE, residing at Northern Warehouse, Ramelton, in the county Donegal, Ireland, have invented
5 certain new and useful Improvements in or Connected with Thread Holders or Reels; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to
10 which it appertains to make and use the same.

This invention relates to improvements in or connected with thread holders or reels, and has for its object to provide simple and effective means for holding the ends of "button-hole-twist" thread or the like in position
15 upon a reel in such a manner as to prevent the threads becoming entangled after a length has been cut off.

My invention obviates the necessity hitherto existing of having to tie a knot in the threads and pin the ends to the reel after a length of the "twist" had been cut off, which occasioned considerable waste of thread and time.

25 In order that this my said invention may be the more readily understood and carried into practical effect, reference is hereby made to the accompanying sheet of illustrative drawings, wherein—

30 Figure 1 shows the holding device shown independently; Fig. 2, a perspective view of such device in actual use.

In the drawings the reference-letter *a* represents a ring formed of india-rubber, such

ring being circular in cross-section and having a spiral groove *a'* formed in its periphery. The said ring *a* is placed over the reel *b*, on which the twist *c* is wound, the free end *c'* of such twist (composed of a number of loose or unraveled threads) being passed under the ring *a*, then over same, and finally brought under the ring again, so as to leave the end projecting beyond such ring in the manner shown by Fig. 2. To unwind the twist, for instance, the reel *b* is held between
35 the user's index-finger and thumb and the loose end *c'* of the twist then pulled, thereby causing the reel to revolve and the twist to be unwound therefrom. The ring *a* has not to be removed from the reel *b*, as the action
40 of pulling on the end of the twist causes the said ring to revolve sufficiently to allow the twist to be unreel, the aforesaid spiral groove facilitating the turning of the ring.

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

The improvements in or connected with thread holders or reels, consisting in an india-rubber ring, of circular form in cross-section, having a spiral groove in its periphery adapted to be placed over a reel.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

DANIEL GAMBLE.

Witnesses:

ANDREW GAMBLE,
WILLIAM J. KYLE.