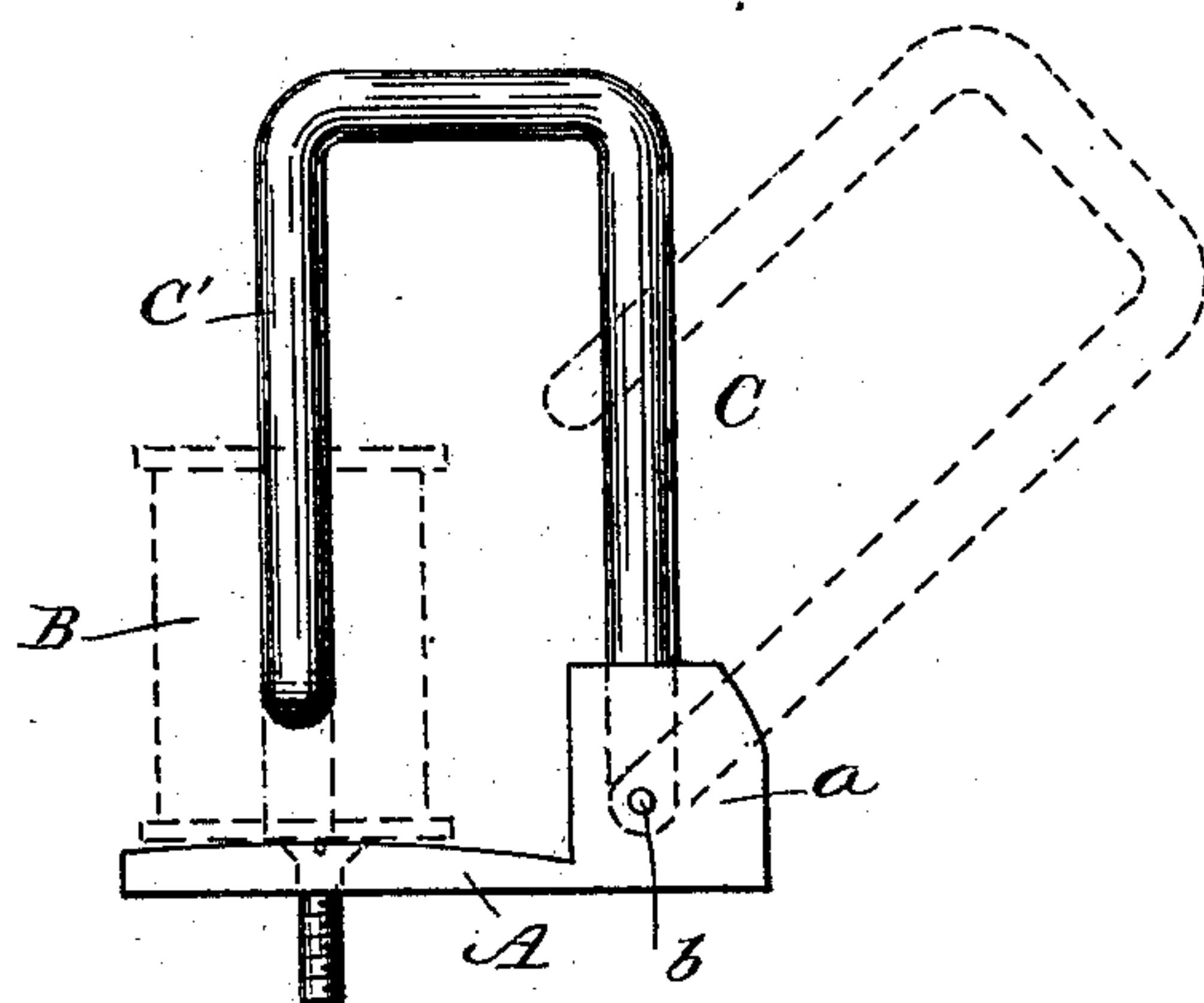


(No Model.)

J. H. FLETCHER.
SPOOL HOLDER FOR SEWING MACHINES.

No. 424,874.

Patented Apr. 1, 1890.



Witnesses:

A. V. Cushman
E. D. Smith

Inventor:

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UNITED STATES PATENT OFFICE.

JAMES H. FLETCHER, OF NEWARK, NEW JERSEY, ASSIGNOR TO THE
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SPOOL-HOLDER FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 424,874, dated April 1, 1890.

Application filed March 2, 1887. Serial No. 229,401. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. FLETCHER, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Spool-Holders; 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 which it appertains to make and use the same, reference being had to the accompanying drawing, and to letters of reference marked thereon, which form a part of this specification.

Much difficulty has heretofore arisen from the spool-holders commonly in use on sewing and other machines, owing to the fact that loose coils of thread which may accidentally drop from the spools are drawn beneath the same around the spool-pins, so that the thread is liable to break or its tension is so increased that stoppage of the machine to rethread the needle or to adjust the thread becomes necessary; and the object of my invention is to obviate this difficulty, which occurs more particularly with stiff or glazed thread.

To this end my invention consists of a smooth and preferably slightly-rounded support on which the spool may rest, and the upper surface of which is of greater extent than the diameter of the hole through the spool, and a U-shaped spool-holding pin having two vertical arms of unequal length, the shorter of said arms, which is to enter the hole in the spool, depending above and having its lower end separated from the said support, so that coils of thread which drop from the spool may be drawn freely beneath the same without contact with the spool-pin, and breakage of the thread be thus avoided, the longer of the said arms being hinged at its lower end on a horizontal pivot-pin, so that the spool-holder may be turned back on said pivot-pin when the spool is to be inserted or removed.

In the accompanying drawing, representing my invention in elevation, A denotes a support or base on which a spool B may rest.

C C' is the U-shaped spool-holding pin, and *a* is a projection by which said spool-pin is attached to said support or base.

The spool-supporting surface of the base A is smooth, so that the thread can be unob-

structedly drawn over the same, and is of greater extent than the hole through the spool, said surface being preferably slightly convex or rounded, as shown in the drawing, so that loose coils of thread can easily enter under the spool.

The spool-holding pin is preferably U-shaped, with two arms of unequal lengths. The depending arm C', constituting the spool-holding portion proper thereof, is of such length that its lower end is above the surface of the spool-support A. To allow of the removal or insertion of the spool B, the longer arm C of the spool-holder is hinged by the horizontal pivot-pin *b* to a projection *a* on the base-piece A, this construction permitting the spool-holding pin to be turned back, as indicated in dotted lines, when the spool is to be placed in position or removed.

The base or support A is to be attached to the top of the arm of a sewing-machine or to some other suitable support when in use, or the top of the arm of the sewing or other machine may of itself be the support or base for the spool-pin and spool.

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

A spool-holder consisting of a smooth support on which the spool may rest and the upper surface of which is of greater extent than the diameter of the hole through the spool, combined with a U-shaped spool-holding pin having two arms of unequal lengths, the shorter of said arms depending above but being separated from said support, and the longer of said arms being hinged on a horizontal pivot-pin, whereby when a spool rests on its support loose coils of thread which have dropped from said spool may be drawn beneath the same, and breakage of the thread be thereby avoided, and whereby also the U-shaped spool-holding pin may be turned back for the insertion or removal of the spool.

In testimony that I claim the foregoing I have hereunto set my hand this 11th day of February, 1887.

JAMES H. FLETCHER.

Witnesses:

OLIVER DRAKE,
OSCAR A. MICHEL.