H. POLLOCK.

Thread-Cutting Attachment for Sewing-Machines.

No. 210,466. Patented Dec. 3, 1878.

Fig: 1.

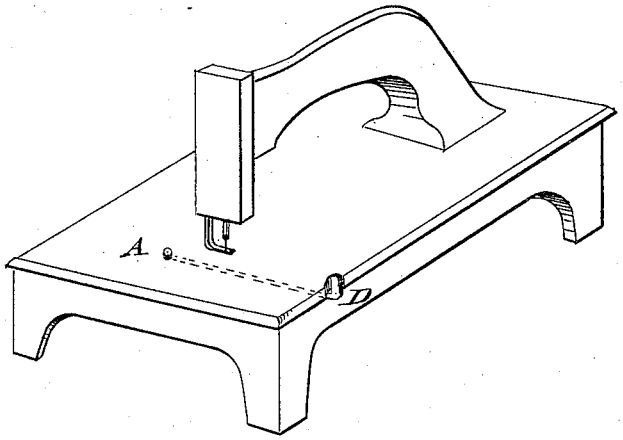


Fig: 2.

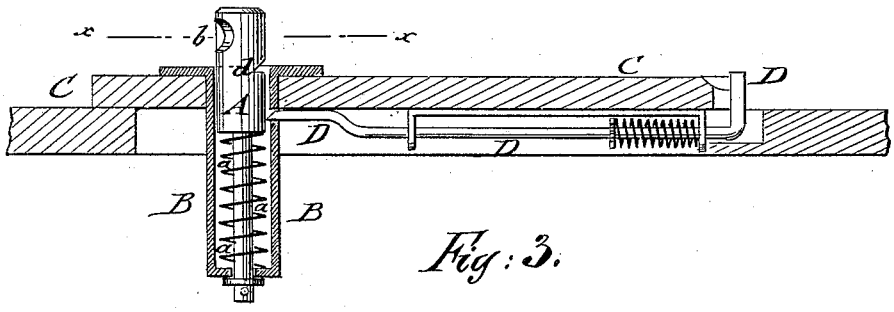
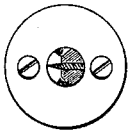


Fig: 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HENRY POLLOCK, OF FREDERICTON, NEW BRUNSWICK, CANADA.

IMPROVEMENT IN THREAD-CUTTING ATTACHMENTS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **210,466**, dated December 3, 1878; application filed August 21, 1878.

To all whom it may concern:

Be it known that I, HENRY POLLOCK, of Fredericton, New Brunswick, Dominion of Canada, have invented a new and Improved Thread-Cutting Attachment for Sewing-Machines, of which the following is a specification:

In the accompanying drawing, Figure 1 represents an isometric view of a sewing-machine table with my improved thread-cutting attachment. Fig. 2 is a sectional side elevation of the thread-cutter on enlarged scale; and Fig. 3, a horizontal section of the cutting-bolt on line *x x*, Fig. 2.

Similar letters of reference indicate corresponding parts.

This invention refers to an improved thread-cutting attachment to sewing-machines, by which the thread may be cut in quick and convenient manner, and the cutter instantly lowered below the table when not required for use; and the invention consists of a cutting-knife set into a vertically-sliding spring-bolt, that is thrown up through a hole of the sewing-machine table as soon as released from a locking spring-bolt. The locking-bolt is bent up at the outer end, so as to project over the table for being readily withdrawn.

Referring to the drawing, A represents a vertically-sliding bolt, that is guided in a socket, B, which is set into a hole of the table C of the sewing-machine and secured by a top flange and screws, or in any other manner, thereto.

A spiral spring, *a*, that is placed around the stem of the bolt A between its enlarged upper part and the bottom of the socket B, forces the bolt upward, so that its upper end projects above the table.

The upper part of the spring-bolt is notched or recessed, and a steel cutter or blade set into the recess of the bolt, the thread being passed against the cutter whenever it is desired to cut the same.

When not required for use, the cutter-bolt A is pressed down flush with the flange of the socket and with the table, and locked in this position by a horizontally-guided and spring-acted bolt, D, that passes through an opening of the socket B, and enters a notch, *d*, of the cutter-bolt A.

The locking-bolt is guided at the under side of the table C, and its outer end bent up along the side of the table, so that it may be readily taken hold of for withdrawing the bolt whenever the cutter is required for use.

On releasing the locking-bolt from the cutter-bolt the cutter is thrown up above the table ready for use, being instantly pressed down again and locked after use.

The shape of the locking-bolt may be modified for some sewing-machines, so as to avoid projecting parts of the machine which might be in the way.

The attachment facilitates the cutting of the thread without being in the way of the work when not required, forming thus a neat thread-cutting device for sewing-machines of all kinds.

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

1. The combination, with a sewing-machine table, of a vertically-guided and spring-acted cutter-carrying bolt, and of a horizontally-sliding and spring-acted locking-bolt, by which the cutter-bolt is locked or released as required, substantially as and for the purpose set forth.

2. The combination of a guide-socket of the sewing-machine table with a spring-bolt having a fixed cutting-blade and notch, and with a sliding and spring-acted locking-bolt having outer bent-up end to be conveniently taken hold of, substantially as and for the purpose described.

HENRY POLLOCK.

Witnesses:

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