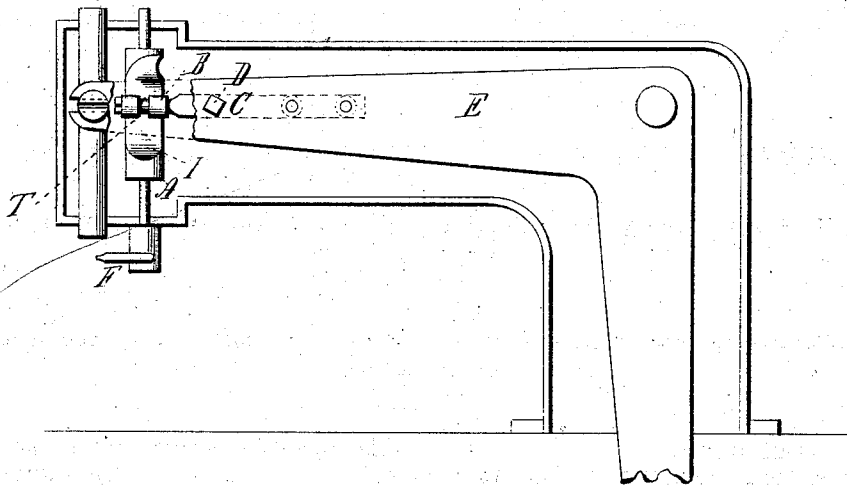


A. G. BREWER.
Mechanisms for Operating the Thread-Guides in Wax
Thread Sewing-Machines.

No. 152,894.

Patented July 14, 1874.



WITNESSES.

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ALBERT G. BREWER, OF HOPKINTON, MASSACHUSETTS.

IMPROVEMENT IN MECHANISMS FOR OPERATING THE THREAD-GUIDE IN WAX-THREAD SEWING-MACHINES.

Specification forming part of Letters Patent No. **152,894**, dated July 14, 1874; application filed December 12, 1873.

To all whom it may concern:

Be it known that I, ALBERT G. BREWER, of Hopkinton, State of Massachusetts, have invented Means for Operating the Thread-Guide for Leather-Stitching and Siding Machines, of which the following is a specification:

The object of my invention is to operate the thread-guide in a wax-thread sewing-machine; and it consists in a thread-guide provided with a twisted cam-surface, combined with a spring-stud and roll, operating the same as hereinafter described.

Figure 1 represents the cam and grooved roll when in the stitching or siding machine, A being the cam; B, the grooved roll; C, the spring-stud, on which the roll revolves; D, the set-screw that presses against the spring-stud and carrying the roll against the cam.

The operation is this: When the arm E is made to move, the thread-guide roll B moves up and down on the flat surface I of the cam A, and, as the roll B nears the top of the cam, its surface being twisted, turns the cam, carrying with it the thread-guide F, as desired. As the spring-stud becomes weakened by constant use, the roll B can be pressed against the cam more firmly by turning the set-screw D.

I claim as my invention—

The thread-guide cam A, having the twisted surface I, combined with the spring-stud C and roller B, when constructed and operated as and for the purpose described.

ALBERT G. BREWER.

Witnesses:

L. H. WAKEFIELD,
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