

C. R. FOLGER.

Loop Catch for Sewing Machines.

No. 33,341.

Patented Sept. 24, 1861.

Fig: 1.

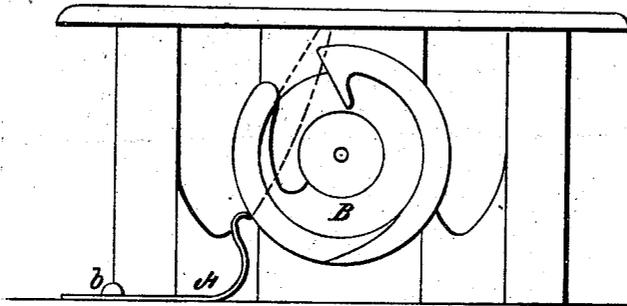
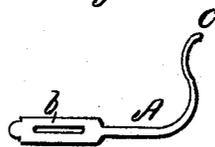


Fig: 2.



Witnesses:

J. Jackson.
Herbert Jenney.

Inventor:

Chas R. Folger

UNITED STATES PATENT OFFICE.

CHARLES R. FOLGER, OF CINCINNATI, OHIO.

IMPROVEMENT IN LOOP-CATCHES FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 33,341, dated September 24, 1861.

To all whom it may concern:

Be it known that I, CHARLES R. FOLGER, of Cincinnati, county of Hamilton, and State of Ohio, have invented a new and useful Improvement on the Sewing-Machines heretofore patented to A. B. Wilson, and generally known as the "Wheeler & Wilson Sewing-Machine," for preventing the loop of the needle-thread being released from the rotating looping-hook, except at a proper time, and which will more fully appear by reference to the annexed drawings—

Figure 1 representing in elevation a portion of the machine, with the rotating hook B and the loop-check A attached. Fig. 2 is a perspective view of the loop-check detached.

B represents the rotating hook of the sewing-machine.

A is the metallic loop-check, which is by preference constructed of steel, and is provided with a slot, *b*, for attaching it adjustably to the machine by means of a screw, *b'*, as shown in Fig. 1. The form of the loop-check is clearly shown in the drawings. Its base rests in a horizontal position upon the bed of the machine, and its front portion is curved upward and backward nearly to its upper end, where it bends more abruptly forward, constituting a hook, C. Its structure is such that it constitutes its own spring, and its form and arrangement in relation to the rotating hook adapt it to rest against the latter with a yielding pressure without injury to the surface, and at the same time to resist the vertical strain of the thread, and thus prevent the escape of

the loop until the proper period, when the form of the hook permits it to pass. By means of the slot *b* and screw *b'* the check is adjusted in such relation to the hook as to remain in contact during a proper period of the rotation.

The simplicity of my loop-check places it within the capability of all to possess and to use, and extensive use has proved it to be un-failing in its operation and harmless to the machine.

I am aware that metallic loop-checks have been used heretofore, examples of which may be seen in the patents issued to Charles-D. Belcher, March 3, 1857, to O. N. Stoddard, August 23, 1859, and to L. P. Collins, November 13, 1860. I therefore do not claim any device contained in these patents; neither do I claim any portion of the Wheeler & Wilson sewing-machine as heretofore constructed; but

What I claim as new, and desire to secure by Letters Patent, is—

The adjustable loop-check A *b c*, formed of an elastic metallic bar, and constituting its own spring, and so constructed and applied, in connection with the rotating hook B, as to rest against a portion of the periphery of the said hook with a yielding pressure, and at the same time resist the vertical strain of the loop, all as herein shown and explained.

CHAS. R. FOLGER.

In presence of—

J. P. JACKSON,
HERBERT JENNEY.