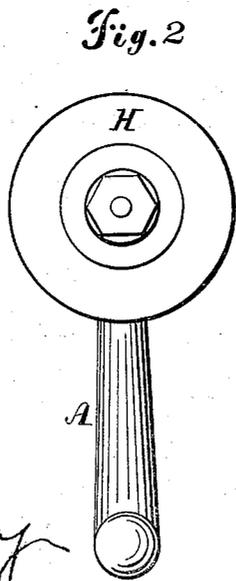
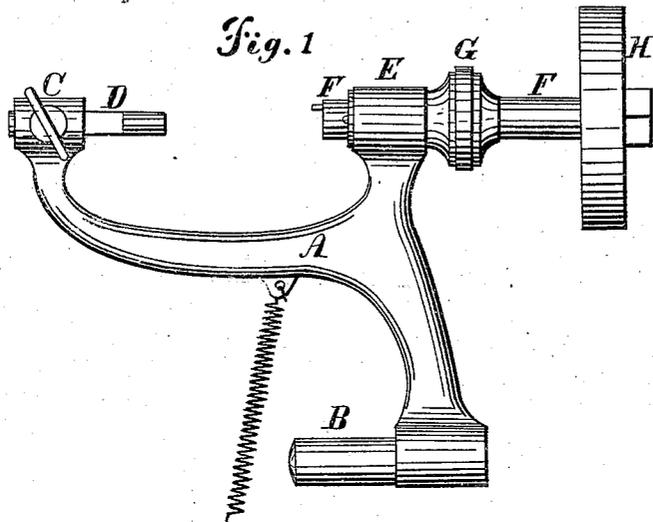


J. CALLAN.
Sewing Machine.

No. 80,908.

Patented Aug. 11, 1868.



Witnesses

J. H. Sumner
a. J. Tibbets

Inventor

James Callan
By his Attorney
John E. Early

United States Patent Office.

JAMES CALLAN, OF BRIDGEPORT, CONNECTICUT.

Letters Patent No. 80,908, dated August 11, 1868.

IMPROVEMENT IN NEEDLE-SHARPENING ATTACHMENT FOR SEWING-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JAMES CALLAN, of Bridgeport, in the county of Fairfield, and State of Connecticut, have invented a new Improvement in Needle-Sharpener Attachment for Sewing-Machines; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view, and in
Figure 2 an end view.

This invention relates to an improvement in the attachment for winding bobbins on sewing-machines, specially adapted to the machine known as the "Howe machine."

Those familiar with the use of sewing-machines, and particularly machines used for manufacturing purposes, are aware of the great liability to blunt or dull the point of the needle. A common method of repointing the needle is by rubbing upon common oil-stone, which often requires so much labor that the needle is thrown away, rather than expend such labor.

The object of this invention is to apply to the machine a device for repointing, using the power of the machine for such purpose, and consists in combining with the winding-spindle a grinding-wheel, on which the needles may be repointed or sharpened.

To enable others to construct my improvement, I will proceed to describe the same, as illustrated in the accompanying drawings.

A is the frame, attached to the machine by the pivot B, supporting in one head, C, the adjusting-mandrel D, and in the other head, E, the revolving mandrel F, caused to revolve by bringing a pulley, G, into contact with the fly-wheel, or by the application of the belt thereto. This device, thus far, is of well-known construction.

To the mandrel F, I fix a wheel, H, in any convenient or known manner, which said wheel is formed so as to present a suitable grinding-surface, and is fixed to the mandrel so as to revolve with it,

When it is desired to repoint or sharpen a needle, bring the mandrel F into connection with the power in the usual manner, which causes the grinding-wheel H to rapidly revolve. Then hold the needle on to the surface of the wheel in the usual manner for grinding, and this is accomplished without any additional mechanism, and at a trifling cost.

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

In combination with a bobbin-winder of a sewing-machine, a grinding-wheel, H, arranged upon the revolving mandrel, substantially in the manner and for the purpose set forth.

JAMES CALLAN.

Witnesses:

ORLAND SMITH,
J. L. MOREHOUSE.