

CELIA P. CLARK.

Improvement in Needle-Sharpening Attachments for Sewing-Machines.

No. 114,265.

Patented May 2, 1871.

FIG: 1.

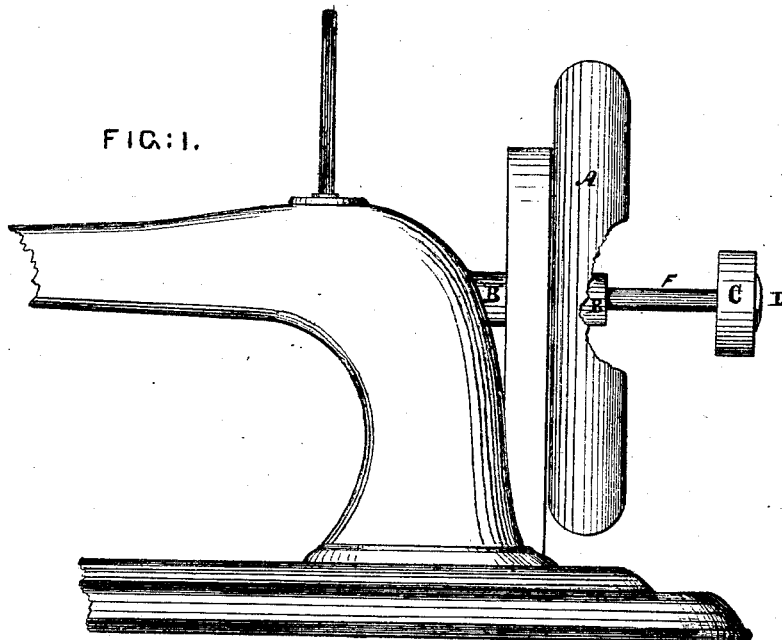


FIG: 2.

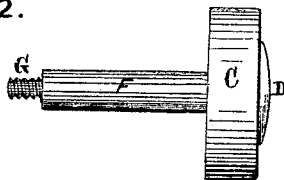
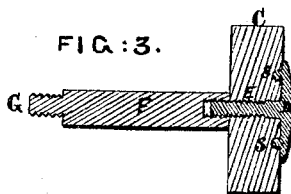


FIG: 3.



Witnesses:

H. H. Young
J. M. Burr.

Celia P. Clark

By David A. Burr

Atty.

UNITED STATES PATENT OFFICE.

CELIA P. CLARK, OF LOCK HAVEN, PENNSYLVANIA.

IMPROVEMENT IN NEEDLE-SHARPENING ATTACHMENTS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **114,265**, dated May 2, 1871.

To all whom it may concern:

Be it known that I, CELIA P. CLARK, of Lock Haven, in the county of Clinton and State of Pennsylvania, have invented a new and useful Improvement in the Attachment of a Needle-Sharpener to Sewing-Machines, of which the following is a specification.

My invention relates to the combination of a grinding-wheel, of stone or emery, with the end of the horizontal revolving shaft carrying the fly-wheel of a Singer sewing-machine, the object of my invention being to apply to such a machine in a ready and simple manner a device for sharpening and repointing needles, and for sharpening scissors, &c., which shall be operated by the power driving the machine.

In the accompanying drawings, Figure 1 is an elevation of a portion of a Singer sewing-machine with my device attached thereto; Fig. 2, an elevation of the grinding-wheel and shaft detached; and Fig. 3, a longitudinal section of the wheel and its shaft, showing the manner of combining them.

A is the fly-wheel of a Singer sewing-machine; B, the revolving shaft to which it is secured, and which drives the sewing mechanism of the machine; C, a circular grinding-stone, either natural or artificial, of any suitable width, diameter, and equality; D, a metallic plate or disk secured to a threaded shank, E, and provided with lugs S S at opposite points on its inner face.

The stone C is centrally perforated to receive the shank E of the plate D, and recesses are formed on its outer face to receive the lugs S S, projecting from said plate, as illustrated in Fig. 3. The threaded shank E projects be-

yond the face of the grinding-stone C when inserted through the central aperture therein.

F is a shaft or rod having a threaded recess cut centrally therein at one end, and a screw, G, cut thereon at its opposite end. A threaded recess is cut centrally in the outer end of the shaft B to receive the screw end of the rod F. The grinding-stone C is rigidly secured with great facility to the rod or shaft F by means of the circular plate D and its projecting shank E by simply screwing the shank into the end of the rod F. The lugs S S, by fitting into corresponding recesses in the wheel E, serve to prevent the latter from turning upon the shank independently thereof. The device is then readily attached to the revolving shaft operating the sewing-machine by screwing the end of the rod F into the threaded aperture in the outer end of said shaft, as illustrated in Fig. 1.

Although my device is designed specially for use in combination with a Singer sewing-machine, I contemplate its combination with the exposed or outer end of any shaft operating the sewing mechanism of a sewing-machine. I do not claim broadly the combination of a needle-sharpening attachment with a sewing-machine.

I claim as my invention—

The within-described grinding or polishing wheel C, binding-plate D, revolving shaft B, and interposed rod F, all arranged and combined substantially in the manner and for the purpose herein set forth.

CELIA P. CLARK.

Witnesses:

JOHN S. MADER,
D. L. BROWN.