G. T. Chattaway.

Scissors Sharpener.

No. 105,777. Patented July 26. 1870.

Fig 1.
Rear Elevation.

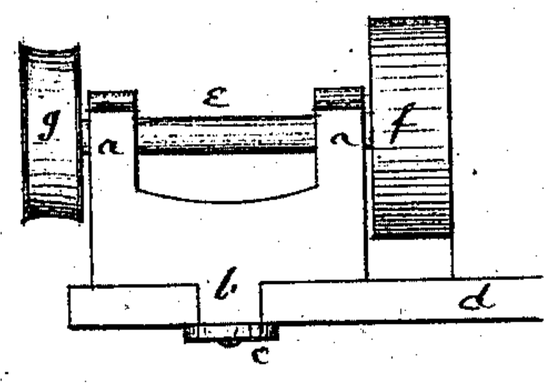


Fig 2.
End Elevation.

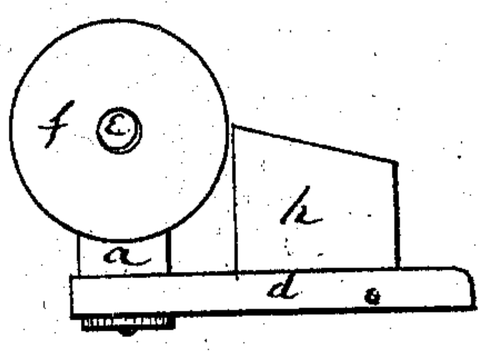


Fig 3.
Front Elevation

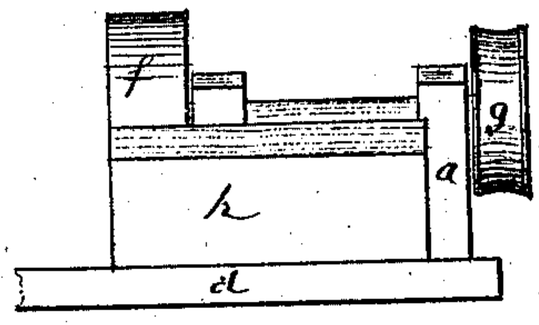
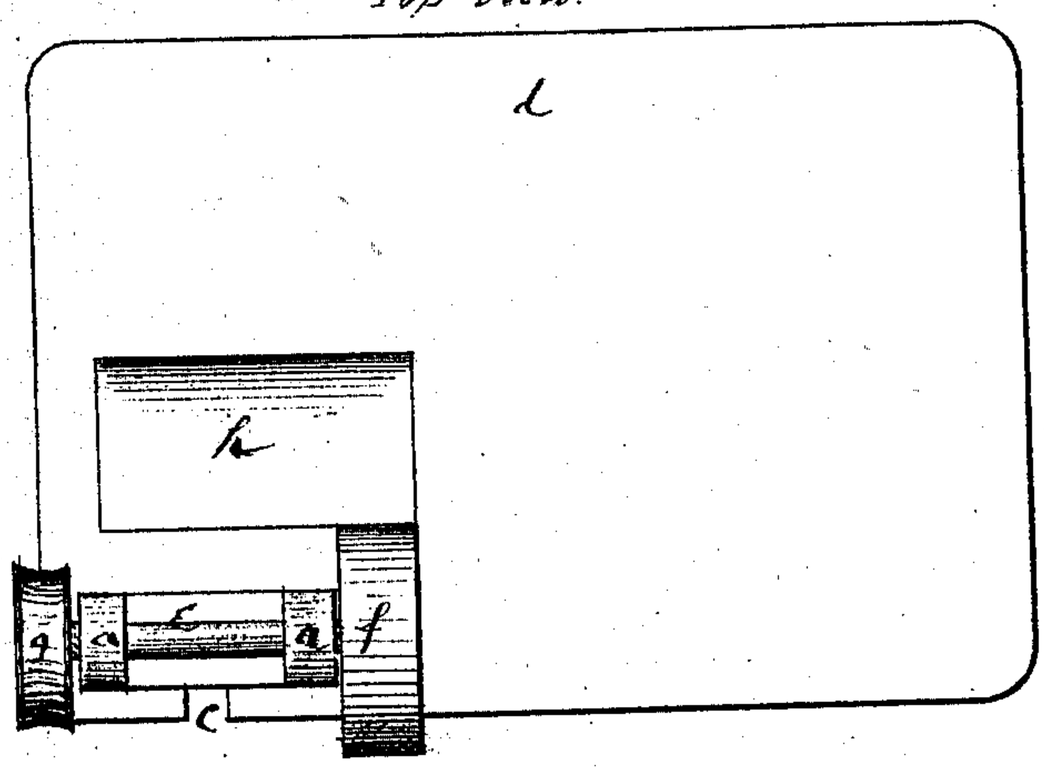


Fig 4
Top View.



Witnesses.
William H. Bullenroth
Eugene Smith

George T. Chattaway
Inventor.
by
J. B. Staples
his Atty.

UNITED STATES PATENT OFFICE.

GEORGE T. CHATTAWAY, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN SCISSOR-SHARPENING ATTACHMENTS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **105,777**, dated July 26, 1870.

To all whom it may concern:

Be it known that I, GEORGE T. CHATTAWAY, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement, being a Scissor-Sharpening Attachment to a Sewing-Machine; and that the following is a full and exact description of the same.

My improvement consists in having the bearings which support the rotary stone or sharpener adjustable with reference to a fixed beveled rest for holding the scissors at the proper angle, and in the combination of the same, so that the scissors and the grinder can always be adjusted to each other at the proper distance and angle.

The construction of my improvement is as follows: Upon a suitable plate or part of the top plate of the machine I place the two vertical brackets *a a*, (Figure 1 of the drawings, which is an end elevation,) which are supported by the standard *b*, which slides back and forth in the slot *c* in the plate or bed *d*. A horizontal shaft, E, working in the brackets *a a*, carries at one end the rotary stone or sharpener *f*, and at the opposite end the driving-pulley *g*. In front of the stone or sharpener I place the fixed beveled rest *h* for holding the scissors at the angle required. The shape of the beveled rest, and its position with regard to the sharpening-wheel, are shown in Fig. 2, which also presents an end view of the sharpening-wheel. The standard *b* is secured in the slot *c*, at any desired distance from the fixed rest, by means of the screw-nut *b'* underneath. Fig. 3 of the drawings represents a front elevation of my improvement opposite to that of Fig. 1, and Fig. 4 represents a top view.

In all the figures similar letters represent similar parts.

The driving-pulley *g* is geared to a driving-spindle of the machine by a belt, or from the bobbin-winder, and is rotated by the foot of the operator.

My improvement embraces these advantages: First, the blade of the scissors being laid upon the bevel of the fixed rest, with its edge toward the sharpening-wheel, and the wheel put in motion, the blade is sharpened throughout at the same angle, and evenly throughout; and, secondly, as the sharpening-wheel wears away by use the wheel may be always set to the right distance and position from the fixed rest by means of the adjustable standard, slot, and rest before described.

I am aware that vibrating movable rest-bearings have been used and applied to sharpening scissors upon a sewing-machine in connection with a sharpening stone or wheel on fixed bearings. These I do not claim; but

What I claim as my invention, and for which I desire Letters Patent, is—

The slotted plate *d*, movable bearings *a a*, standard *b*, sharpening wheel or stone *f*, and fixed rest *h*, arranged and constructed as described.

GEO. T. CHATTAWAY.

Witnesses:
G. W. FOX,
J. B. STAPLES.