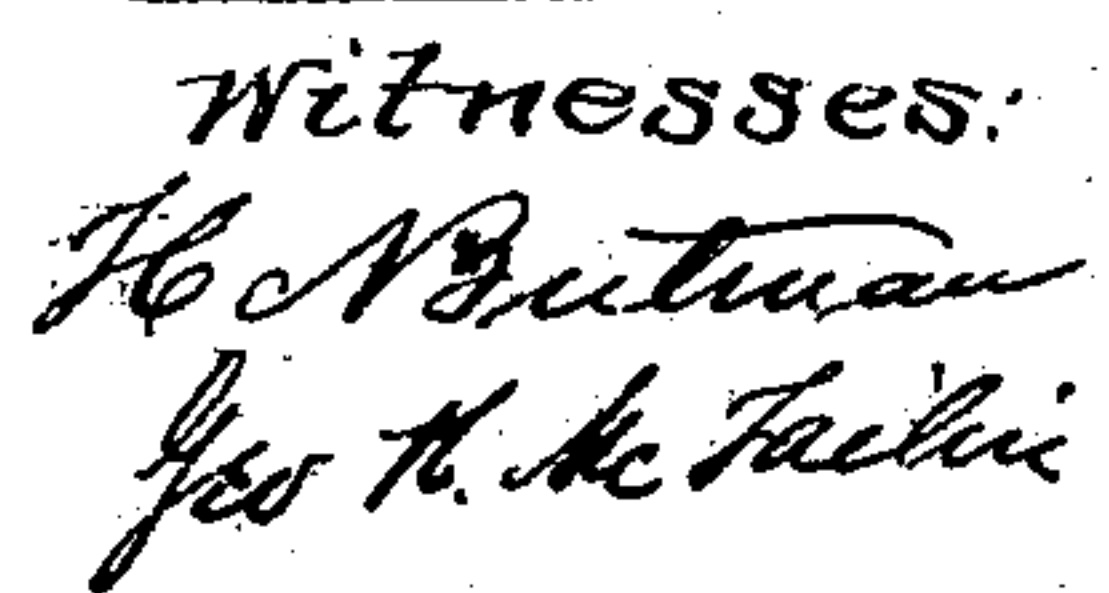


Sewing Machine.

Patented Oct. 30, 1866.



Inventor:
 Everett P Richardson

UNITED STATES PATENT OFFICE.

E. P. RICHARDSON, OF LAWRENCE, MASSACHUSETTS.

IMPROVEMENT IN SEWING-MACHINES.

Specification forming part of Letters Patent No. 59,265, dated October 30, 1866

To all whom it may concern:

Be it known that I, E. P. RICHARDSON, of Lawrence, in the county of Essex, in the State of Massachusetts, have invented a new and useful Improvement in Sewing-Machines for Sewing Turned Shoes; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a front elevation of an ordinary wax-thread sewing-machine, no part of which I claim, but to which my improvement may be attached. The same figure shows a transverse section near the toe of the sole, the last, and the upper. Fig. 2 shows a section of the shoe after being sewed and turned; Fig. 3, a section of the shoe, last, &c.

B, Fig. 1, is the needle; C, the sole, on the flesh side of which the channel *a* is cut, in which the foot F rests, forming a guide, and also holding down the sole. D is the last; E,

the upper. G represents the guard, against which the operator keeps the surface of the sole, near the edge, or that part technically known as the "feather-edge," *b*; or the upper E may be between the sole and the guard G, as shown in Fig. 3, the object being to keep the sole and upper, while being sewed, in such a position and at such an angle in relation to the needle that the needle shall follow, or nearly so, the line *c d*, whether the machine is so arranged that the needle enters the sole at the bottom of the channel *a*, or, going through the other way, enters the upper first and then the sole.

I claim—

The combination of the foot F and the guard or guide G, arranged to operate substantially as and for the purpose specified.

E. P. RICHARDSON.

Witnesses:

JOHN K. TARBOX,
GEO. E. DAVIS.