N. S. Thompson,

Shoe Sole Machine

No. 50,856. Patented Nov. 7, 1865.

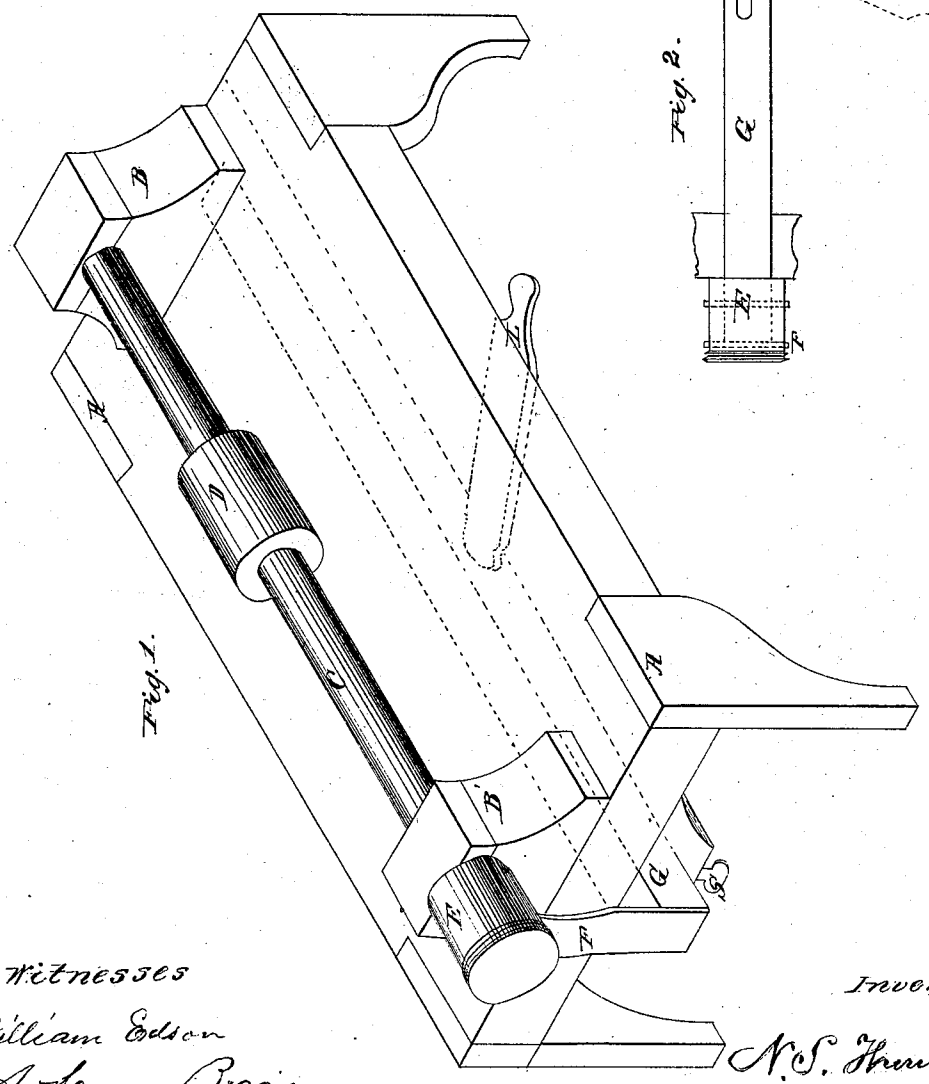

Fig. 1.

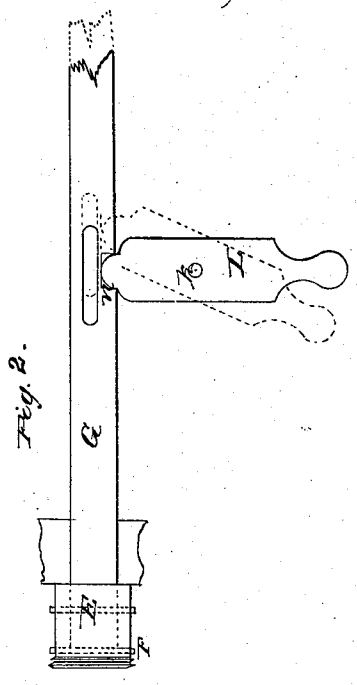

Fig. 2.

Witnesses
William Edson
Arthur Berry

Inventor:
N. S. Thompson

UNITED STATES PATENT OFFICE.

NATHANIEL S. THOMPSON, OF STONEHAM, MASSACHUSETTS.

IMPROVED SHOE-EDGE-BURNISHING MACHINE.

Specification forming part of Letters Patent No. **50,856**, dated November 7, 1865.

To all whom it may concern:

Be it known that I, NATHANIEL S. THOMPSON, of Stoneham, in the county of Middlesex and State of Massachusetts, have invented an Improvement in Machines for Burnishing the Edges of Boots and Shoes; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in combining and arranging a burnishing-wheel, of iron or any other suitable metal, with a movable adjustable guide in such a manner that the whole shall form a machine by which the edge of a heel, or thick or thin sole of a boot or shoe, may be burnished as well as the same is done by hand, and much more rapidly.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the drawings, Figure 1 is an isometrical view of the machine entire. Fig. 2 is a plan showing the lever L and slide G, upon which is fastened the guide F, the whole showing in what manner the guide F is adjusted by the lever L.

A A represent the stand or table upon which the machine is fastened.

B B′ are housings in which the shaft C runs.

E represents the burnishing-wheel, which is made fast to the shaft C.

F is a movable guide attached to the slide G, and operated by the lever L, (shown more fully in Fig. 2.) The guide is held in any desired position by means of the set-screw S.

I have tried many methods for arranging a movable guide or its equivalent. For instance, the guide may be a collar around the burnishing-wheel, movable by means of a screw or lever, or the guide itself may be stationary, and the burnishing-wheel may be made to slide in and out. These methods are all good, but the one that I have adopted in my model is one of the cheapest, and is, perhaps, as good as any equivalent mechanical expedient.

In operating this machine it is simply necessary to adjust the guide to the point required by the thickness of the edge of the sole or heel to be burnished, and to hold the edge of the shoe firmly and steadily against the burnishing-wheel, moving the shoe along as the edge becomes burnished.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

The combination of the adjustable-guide F with the burnishing-wheel E, or the mechanical equivalent of such combination, substantially as and for the purpose specified.

N. S. THOMPSON.

Witnesses:

WILLIAM EDSON,

A. HUN BERRY.