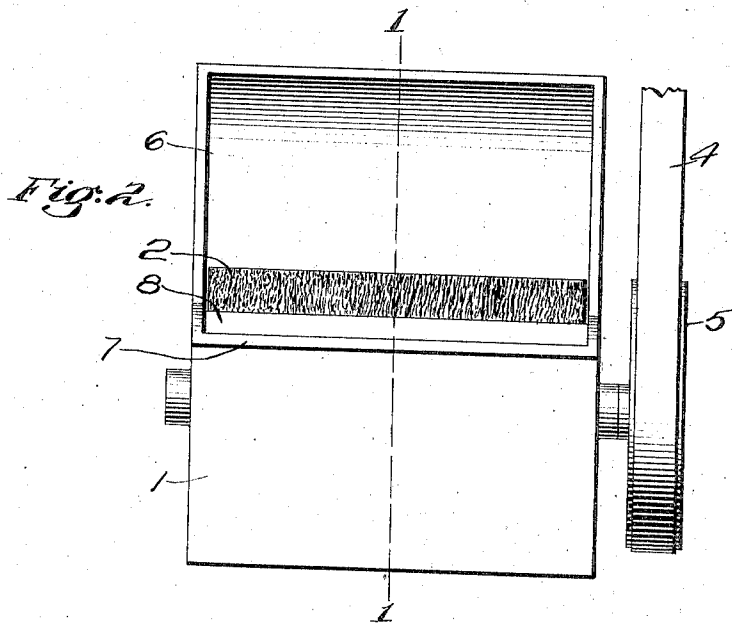
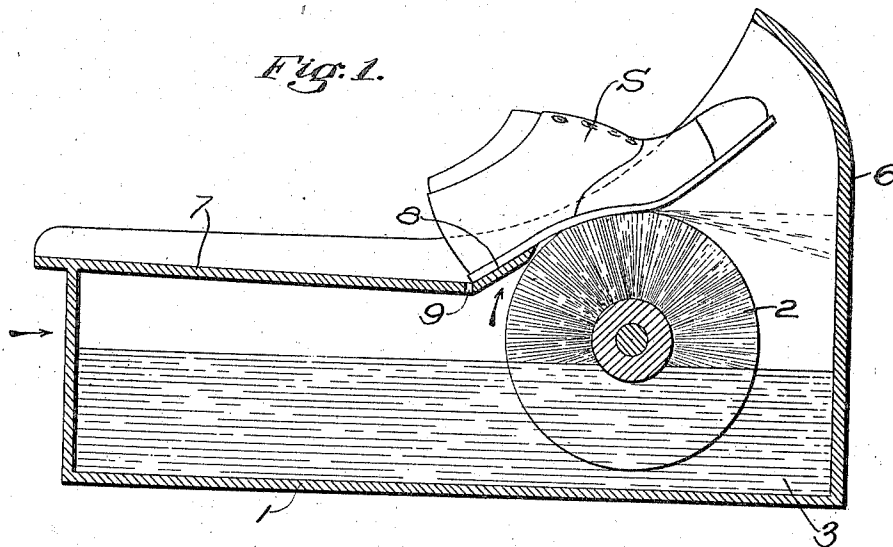


G. T. McLEOD.
MACHINE FOR TEMPERING OUTSOLES OF BOOTS AND SHOES.
APPLICATION FILED JUNE 4, 1909. RENEWED FEB. 19, 1910.

957,992.

Patented May 17, 1910.



Witnesses:
Roswell F. Hatch
Reaford Hallen

Inventor
George T. McLeod
by Robt. A. Hains.
Atty.

UNITED STATES PATENT OFFICE.

GEORGE T. McLEOD, OF DEDHAM, MASSACHUSETTS, ASSIGNOR TO THOMAS G. PLANT,
OF BOSTON, MASSACHUSETTS.

MACHINE FOR TEMPERING OUTSOLES OF BOOTS AND SHOES.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE T. McLEOD, a citizen of the United States, residing at Dedham, in the county of Norfolk and State of Massachusetts, have invented an Improvement in Machines for Tempering Outsoles of Boots and Shoes, of which the following description, in connection with the accompanying drawings, is a specification, like characters on the drawings representing like parts.

The present invention relates to machines for wetting the outsoles of boots and shoes preparatory to further treatment of the sole, as, for instance, by the sole laying or leveling means. As well known by those skilled in the art, this operation has heretofore been considered as essentially a hand process, because in boots and shoes where the heel seat has not yet been secured to the other parts at the heel portion of the shoe, great care must be exercised that no water gets on this part of the sole; otherwise, it is liable to injure the shoe at this point and penetrate to the insole and lining.

The object of the present invention is to provide a machine for the purpose of wetting the outsole, wherein the heel seat is protected from the moistening liquid, and all danger of injury to the heel portion of the shoe is avoided.

In the drawings: Figure 1 is a section on line 1—1 of Fig. 2; and Fig. 2 is an end view of a machine embodying the present invention, looking in the direction of the arrow, Fig. 1.

The frame portion of the machine may be conveniently formed as a tank or receptacle 1 in which turns a brush 2 partly immersed in the moistening liquid 3, said brush being preferably of the rotary type and driven by a suitable belt 4 and pulley 5 operated from a source of power. The brush 2 is turned in the direction of the arrow, Fig. 1, and the rear wall of the tank 1 is extended upward, as indicated, to form a guard or shield 6 for any particles of liquid thrown by the brush.

In the front of the brush is located a table 7, said table gradually sloping downward in the direction of the brush, and having at its end adjacent the brush 2 a heel seat guard or protector 8, which extends up-

ward in an inclined direction from a point in front of the brush to a point over the front portion thereof, as indicated in Fig. 1. At the point of union of the table 7 and guard or protector 8 a series of holes 9 are formed, so that should any liquid chance to get upon the heel seat guard or on the table, it may find ready means of escape back to the tank.

The table and brush are preferably formed of sufficient dimension to enable a pair of shoes to be treated at one time, the operator taking a shoe in each hand and moving them over the table and up the inclined guard or protector, toe first, until the heel seat of the shoes rest upon the said protector. The final position of the shoe when thus moved is indicated in Fig. 1, from which it will be apparent that while the forepart and shank portions of the outsole may be properly tempered by an adequate supply of liquid, the heel seat, and consequently the insole and lining at the heel, is completely protected.

The device is simple in construction and enables outsoles to be tempered rapidly without danger to injury at the unfastened heel seat portion.

What is claimed is:

1. In an outsole tempering machine, the combination of a brush, means to supply tempering liquid thereto, a table disposed in front of the brush, and a heel seat guard extending in an inclined direction upward from the table and adjacent the brush to protect the heel seat of a shoe from the tempering liquid.

2. In an outsole tempering machine, the combination of a tank, a rotary brush, means for revolving it in the tank, a table in front of the brush inclining downward toward the brush, and a heel seat guard or protector extending from the edge of the table adjacent the brush in an upwardly inclined direction to protect the heel seat of a shoe from the liquid while the outsole is being tempered.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

GEORGE T. McLEOD.

Witnesses:

CHARLES M. LAWRENCE,
EBEN VAN EVERA.