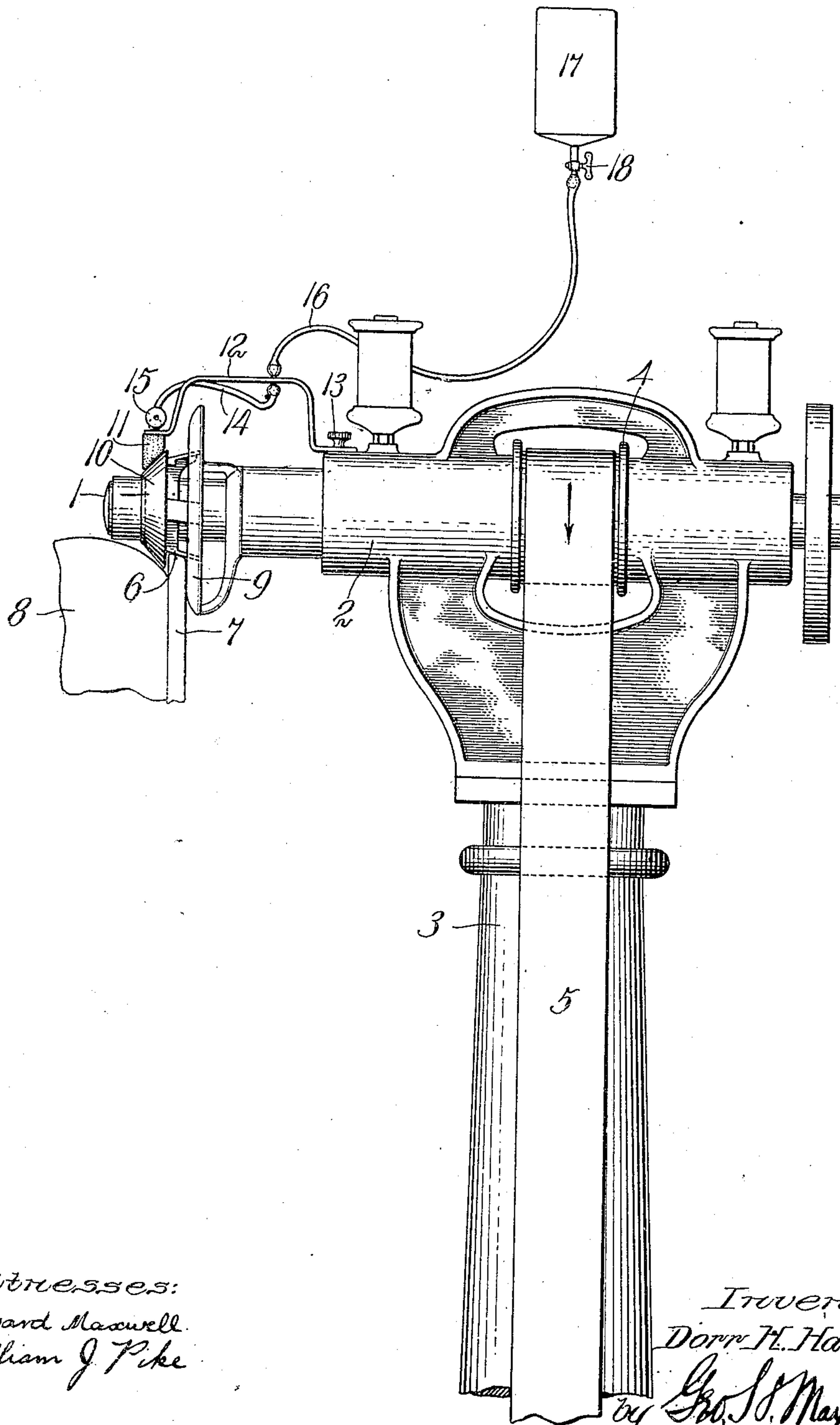


No. 886,291.

PATENTED APR. 28, 1908.

D. H. HADSELL.
HEEL SEAT TRIMMER FOR PATENT LEATHER.
APPLICATION FILED DEC. 10, 1907



Witnesses:
Edward Maxwell.
William J. Pike

Inventor:
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UNITED STATES PATENT OFFICE.

DORR H. HADSELL, OF BROCKTON, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO T. D. BARRY,
OF BROCKTON, MASSACHUSETTS.

HEEL-SEAT TRIMMER FOR PATENT-LEATHER.

No. 886,291.

Specification of Letters Patent.

Patented April 28, 1908.

Application filed December 10, 1907. Serial No. 405,903.

To all whom it may concern:

Be it known that I, DORR H. HADSELL, a citizen of the United States, residing at Brockton, in the county of Plymouth and State of Massachusetts, have invented an Improvement in Heel-Seat Trimmers for Patent-Leather, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

I have found that by mounting the crease guard so that it can turn very slowly with relation to the rapidly rotating cutter of a heel seat trimmer/shaver, or the like, and applying a thin film of oil thereto, greatly superior results follow, especially with patent leather, and accordingly my invention resides in the provision of said mechanism.

In the drawings, in which I have shown my invention applied to a usual kind of heel seat trimmer, I have shown the machine in side elevation.

A driving shaft 1 of the trimmer is journaled at the upper end 2 of a suitable standard 3. The shaft and trimmer are driven by a belt pulley 4 and belt 5.

The rotary trimmer knife is indicated at 6 in position to operate on a heel seat 7 of a shoe 8.

Opposite the finger guard 9 I mount loosely a crease guard 10 to travel in the rand crease of the shoe and guide the cutter in its work, and above said guard 10 I place a frictional retarding device, shown as a block 11 suspended from a bracket 12 clamped in position by a thumb screw 13, said block containing absorbent material connected by a tube 14, preferably of copper, to the bracket 12 and provided with a valve 15 for regulating the passage of the oil to the absorbent block 11, a supply tube 16 of rubber or other suitable material leading from the bracket to a tank 17, which is preferably mounted

on the wall or in any other position above the machine to give a considerable head to the flow of oil, said tank being controlled by a valve 18.

In practice, the retarding oiling block 11 prevents the rapid rotation of the guard wheel or plate 10 and at the same time maintains the beveled surface of the leather coated with a thin film of oil so that said guard 10 travels very slowly with its oil-smeared surface in contact with the upper leather. The result is that the operator can trim the heel seat with the rotary cutter 6 at the highest speed without the slightest danger of injury to the shoe, either by leaving any crease on the upper leather or by burning it or even dulling the finish in case it is patent leather.

I am aware that oil has been used heretofore, and accordingly I do not claim the same broadly, my invention being restricted to the particular application thereof and combination of parts above described and herein after claimed.

Having described my invention, what I claim as new and desire to secure by Letters Patent, is,

In a machine of the kind described, a rotary cutter, high speed driving means therefor, a slow speed guard plate mounted at one end of said cutter for traveling in the rand crease, and a combined retarder and oiler for restricting the movement of said guard plate and at the same time maintaining the outer surface thereof continuously smeared with oil.

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

DORR H. HADSELL.

Witnesses:

CHARLES S. SMITH, [L. S.]
SEWELL P. HOWARD. [L. S.]