

Oct. 4, 1927.

V. ABBADESSA

1,544,459

HEEL BURNISHER

Filed Aug. 16, 1926

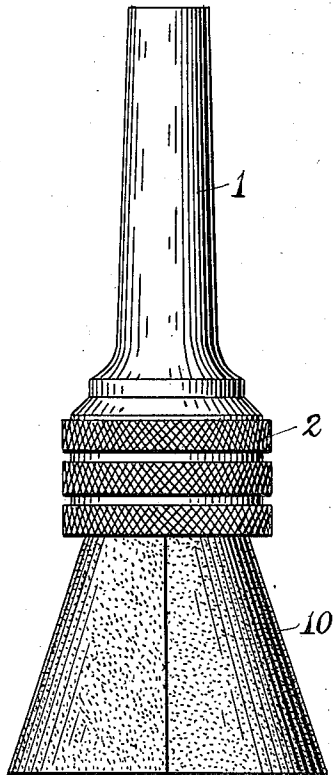


Fig. 1

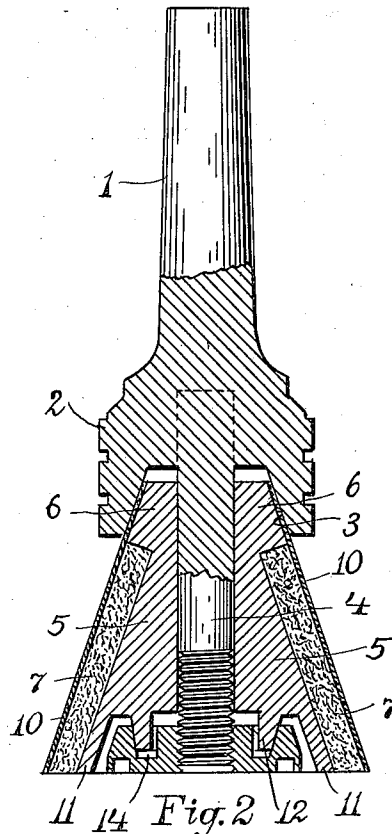


Fig. 2

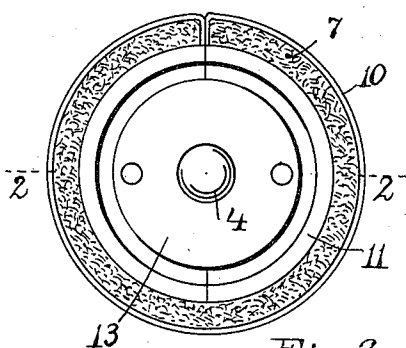


Fig. 3

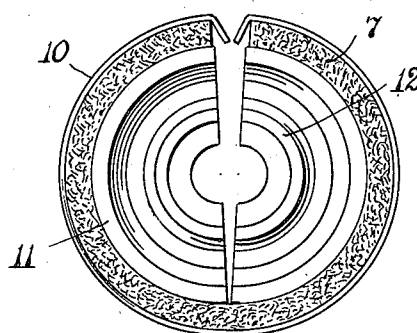


Fig. 4

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UNITED STATES PATENT OFFICE.

VINCENZO ABBADESSA, OF NEWTON UPPER FALLS, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO LOUIS A. ANDREWS, OF NEWTON UPPER FALLS, MASSACHUSETTS.

HEEL BURNISHER.

Application filed August 16, 1926. Serial No. 129,391.

This invention relates to burnishing devices consisting of a conical wheel having abrading paper attached thereto for the purpose of burnishing the breast of heels; and my invention has for its object the effecting of an improved means for attaching the paper to the cone.

In the drawings forming part of this specification, Fig. 1 is a side view of a heel burnisher embodying my improvements. Fig. 2 is a longitudinal section of the same on the line 2—2 in Fig. 3. Fig. 3 is a base view of the device. Fig. 4 is a base view partially opened for the application of the abrading paper.

The spindle 1 is formed with a cylindrical head 2 suitably knurled for its convenient turning by hand, and having a conical recess 3 in its under face. Axially from the recess projects a terminally threaded bolt 4, which may be integral with the same or rigidly attached thereto.

The two semi-cones 5 are recessed to fit about this bolt, and to enter the recess 3. Immediately below the parts 6 which enter the recess, the semi-cones are externally reduced to leave an annularly conical space within which is located a sheet of cushioning material, preferably felt 7 whose edges abut at one of the division edges between the two semi-cones, the opposite portion of the felt serving as a hinge in opening the cone for the application of the abrading paper.

The abrading paper 10 suitably cut to reach about the cone is fitted thereto, as shown in Figs. 3 and 4, the edges of the paper being folded inward to be clamped in place by the united semi-cones. For thus forcing the semi-cones together, the base of the latter is recessed to leave a skirt 11 and a slightly conical annulus 12; and a nut 13 is provided for screwing upon the bolt 4 and having an annular groove 14 adapted for engaging the annulus 12 and thereby

forcing the semi-cones firmly together at the base; the small end of the cone being simultaneously pressed together by the conical recess 3.

Ordinarily it is unnecessary to forcibly turn the nut 13, as the rotation of the head 2, and with it the bolt 4, is enough to force the nut up into the required engagement. By having the semi-cones formed with the skirt 11, the felt and paper 7, 10 are suitably supported thereby, while the nut 13 is within the same and there is no danger of its interfering with the burnishing action on the breast of the heel being finished.

Thus made, the abrading paper is easily applied to the split cone, has no edges to be caught and torn, and gives a perfectly even surface to act upon the heel. At the same time the old abrading papers can be readily removed and fresh ones substituted.

What I claim as my invention is:

In a heel buffer comprising a spindle having a cupped head and a threaded bolt, a conical body in two diametrically separated parts whose upper portion fits in said cupped head, and yielding material surrounding the lower exterior of said body, the combination therewith of a nut screwing onto the lower end of said threaded bolt, said nut having an annular groove in its upper surface, and the under end of said body having an annular flange tapered exteriorly and engaged by said groove for drawing the two parts of said body together, the under surface of said body having a skirt descending to the level of the lower end of said bolt, said yielding material descending to the limits of said skirt, and abrading material surrounding the periphery of said yielding material.

In testimony that I claim the foregoing invention, I have hereunto set my hand this 14th day of August, 1926.

VINCENZO ABBADESSA.