(No Model.)

J. L. THOMSON.

REVOLVING HEEL PLATE.

No. 256,076. Patented Apr. 4, 1882.

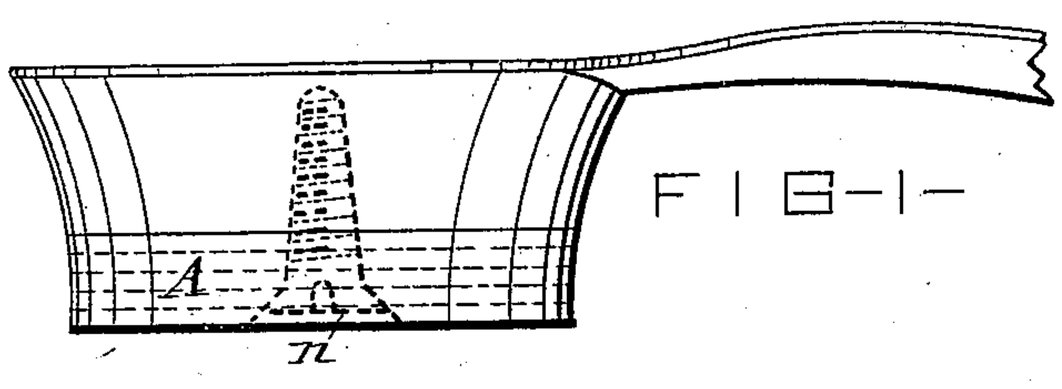

FIG-1-

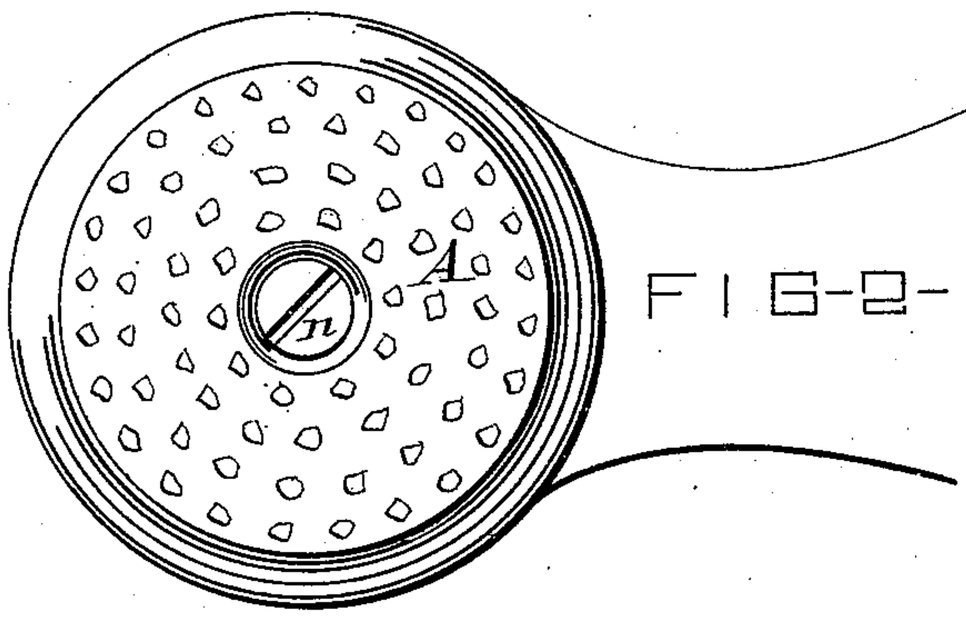

FIG-2-

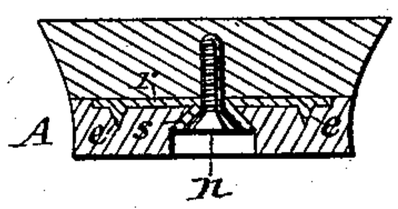

FIG-3-

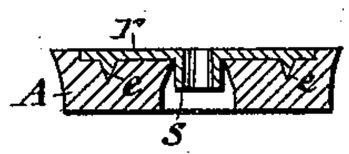

FIG-4-

WITNESSES=

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UNITED STATES PATENT OFFICE.

JUDSON L. THOMSON, OF SYRACUSE, NEW YORK, ASSIGNOR OF ONE-HALF TO SAMUEL S. HARTWELL, OF WANTAGE, NEW JERSEY.

REVOLVING HEEL-PLATE.

SPECIFICATION forming part of Letters Patent No. 256,076, dated April 4, 1882.

Application filed August 25, 1881. (No model.)

To all whom it may concern:

Be it known that I, JUDSON L. THOMSON, of Syracuse, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Revolving Heel-Plates, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to heel-plates designed to be detachable and capable of revolving; and it consists in a novel construction and means of attaching a certain stiffening-plate to a revolving heel-plate, all as hereinafter more fully described, and specifically set forth in the claims.

In the annexed drawings, Figures 1 and 2 are side and inverted plan views, respectively, of a revolving heel-plate constructed in accordance with my invention; and Figs. 3 and 4 are vertical sections of a revolving heel-plate, illustrating the construction of the stiffening-plate and the means of attaching the same to the heel-plate.

Similar letters of reference indicate corresponding parts.

A represents the heel-plate designed to be detachable and capable of revolving on the heel. Said plate is made of the usual circular form, and secured to the heel by a screw, *n*, inserted through the center of said heel-plate. It is usually formed of leather or rubber, and stiffened by a metal plate applied to the upper face of the heel-plate. Said stiffening-plate has heretofore extended completely across the heel-plate and protruded at the periphery thereof, thereby impairing the external finish and appearance of the heel. To overcome this defect I employ a metal plate, *r*, which is of smaller circumference than the heel-plate and countersunk in the upper surface thereof, and secured thereto by a central tubular shank or stud, *s*, which is integral with the plate *r*, and is expanded in the flaring screw-hole in the heel-plate, as illustrated in Fig. 3 of the drawings. By means of prongs or spurs *e* on the under side of the plate *r*, pressed into the upper surface of the heel-plate, the former is prevented from turning on the latter.

It will be observed that by the described construction of the plate *r* and its connection with the heel-plate the exterior of the latter is not defaced by the protrusion of the stiffening-plate, and the fastening of said stiffening-plate is made to serve the additional function of an anti-friction washer, which has heretofore been separately inserted in the countersink for the screw which attaches the heel-plate to the heel.

Having fully described my invention, what I claim is—

1. The combination, with a revolving boot or shoe heel plate, of the metal plate *r*, secured to said heel-plate by the tubular stud *s*, attached to the metal plate and expanded within a tapering countersink in the opposite side of the revolving heel-plate, substantially as described and shown.

2. The combination, with a revolving boot or shoe heel plate, of the metal plate *r*, countersunk in said heel-plate, and prevented from turning by spurs *e* on the face of the metal plate, and secured to the revolving heel-plate by the tubular stud *s*, which is attached to the plate *r*, and expanded within a tapering countersink in the opposite side of the revolving heel-plate, substantially in the manner described and shown.

In testimony whereof I have hereunto signed my name and affixed my seal, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 8th day of August, 1881.

JUDSON L. THOMSON. [L. S.]

Witnesses:

WM. C. RAYMOND,

C. H. DUELL.