

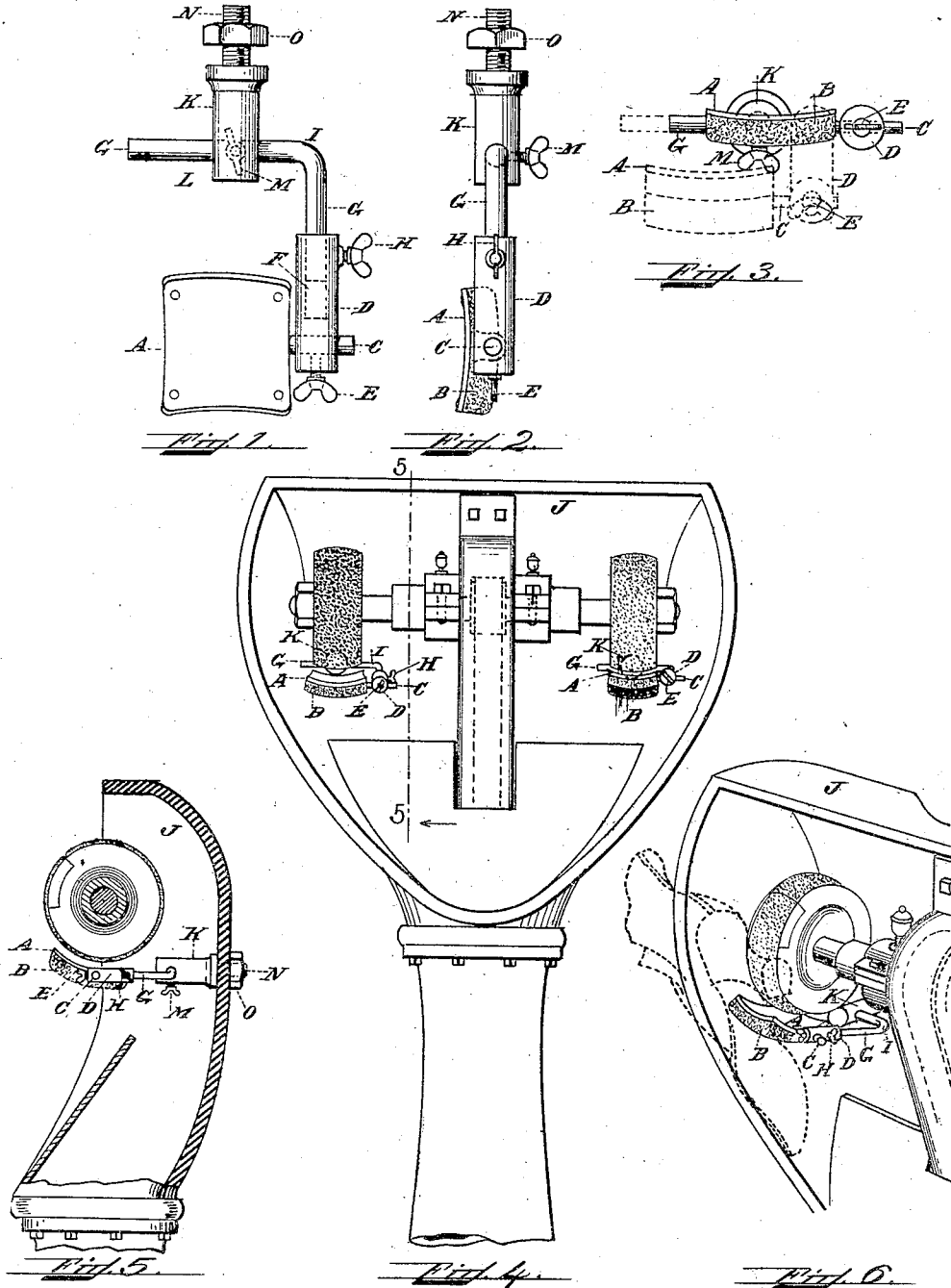
A. J. FOLEY & T. CROWLEY.

SHOE VAMP PROTECTIVE GUARD.

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948,419.

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Witnesses:
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UNITED STATES PATENT OFFICE.

ANDREW J. FOLEY, OF BRAINTREE, AND TIMOTHY CROWLEY, OF ATHOL,
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SHOE-VAMP PROTECTIVE GUARD.

948,419.

Specification of Letters Patent.

Patented Feb. 8, 1910.

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To all whom it may concern:

Be it known that we, ANDREW J. FOLEY and TIMOTHY CROWLEY, citizens of the United States, and residents of Braintree and of Athol, in the county of Worcester and in the county of Norfolk and State of Massachusetts, respectively, have invented certain new and useful Improvements in Shoe-Vamp Protective Guards, of which the following is a specification.

Our invention relates to protective devices attachable to certain machines employed in the manufacture of boots and shoes known as "heel scourers" and "finishers" in which are employed one or more scouring and smoothing disks or wheels circumferentially provided with abrading surfaces of graded textures.

The object of our invention is to prevent injury to the vamp and counter of the shoe by said abrading material during the preliminary process of scouring the shoe heel and generally to protect the upper leather from wax and uncleanness. We attain this object by the appurtenance exhibited in the drawing forming a part of this specification and which we designate a "vamp guard", wherein:

Figure 1, is a plan of the apparatus assembled in readiness to attach to a shoe heel scouring machine. Fig. 2, exhibits a side elevation of the same. Fig. 3, designates a front elevation with its adjustability shown in dotted positions. Fig. 4, is a front elevation of the head of a heel scourer with our invention thereto attached and organized for its work. Fig. 5, denotes a longitudinal vertical section on dashed line 5-5 of Fig. 4, and Fig. 6, a perspective of the left side of a portion of said head, to exhibit the operative position of the guard in its protective capacity when a shoe heel is being scoured.

Corresponding letters of reference designate similar features throughout the several views, referring to which:

A denotes the guard plate of any suitable material, slightly concaved transversely and longitudinally to aline with the periphery of the scouring disk or wheel.

Riveted or otherwise attached to the under side of said plate is a body of felt or other analogous material forming a resilient bearing surface or cushion B which may contact with the shoe shank during the heel scouring operation, the guard plate inter-

posing the shoe sole, vamp and counter, and the abrading or scouring material, in a position to prevent injury to any part of the upper or shank, Fig. 6. Said plate is provided centrally at one side with a stem C rotatably and horizontally supported at a right angle with, and in the member D pierced transversely for this purpose and secured in a preferred position by the thumb screw E, said member is counterbored as at F to receive the rock arm G, having a longitudinal adjustment therein, and also a rotational adjustment from a horizontal plane, and secured therein by a similar thumb screw H, Fig. 1. Said rock arm is reflexed as at I, so as to lie parallel with the frame J of the scouring machine, to which it is united (Fig. 5) and supported by the stud K transversely bored as at L to adjustably receive the said rock arm, and therein confined by the thumb screw M, said stud bearing integrally the screw threaded bolt N which penetrates the rear portion of the frame above mentioned, and is thereto adjustably secured by the nut O. It will be observed therefore, that each member of this aggregation has an independent adjustment relative to the whole aggroupment, thus permitting the operator to secure divers positions to accord with the work in hand.

We would remark, that while our invention is preferably used in connection with any form of heel scouring machinery, it is equally adaptable to shank smoothing and other classes of finishing machines where protection to the uppers is imperative; and while we do not limit ourselves to the precise details of construction herein illustrated we may variously modify the same without departing from the true spirit of our invention, which, having thus ascertained, we claim—

1. A vamp guard for heel scouring machines comprising in combination with the scouring apparatus, a dished plate conforming to and overlying the scouring-wheel, a transverse pin projecting from said plate, a member transversely bored to receive said pin and having an axial bore, a securing member adapted for attachment to the casing of the scouring apparatus, and a right-angled rock arm having one arm secured in said axial bore, and its other arm projected transversely in said securing member whereby said dished plate may be univer-

sally adjusted in relation to said scouring wheel.

2. A vamp guard for heel scouring machines, comprising in combination with the
5 scouring apparatus, a dished plate conforming to and overlying the scouring wheel, a transverse pin projecting from said plate, a member transversely bored to receive said
10 pin and having an axial bore, a securing member adapted for attachment to the casing of the scouring apparatus, a right-angled rock arm having one arm secured in said axial bore, and its other arm projected

transversely in said securing member, and a resilient surfacing upon said dished plate 15 against which the article to be scoured is borne to permit a regulable pressure of said article on said scouring wheel.

In testimony whereof we have affixed our signatures; in presence of two witnesses.

ANDREW J. FOLEY.
TIMOTHY CROWLEY.

Witnesses:

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