

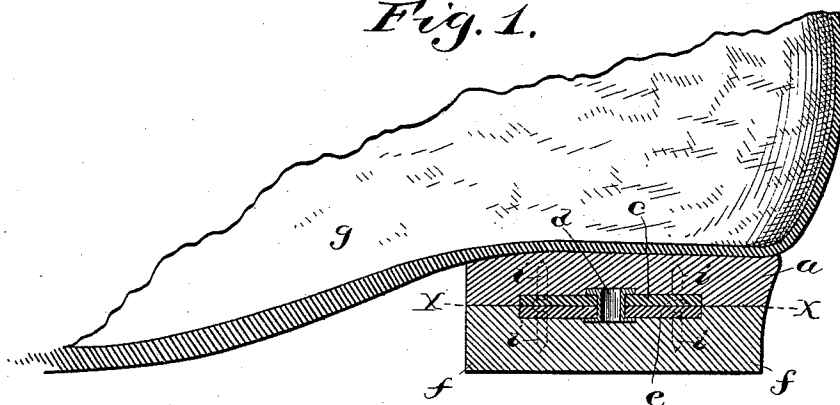
(No Model.)

S. J. STOUGH.  
SHOE.

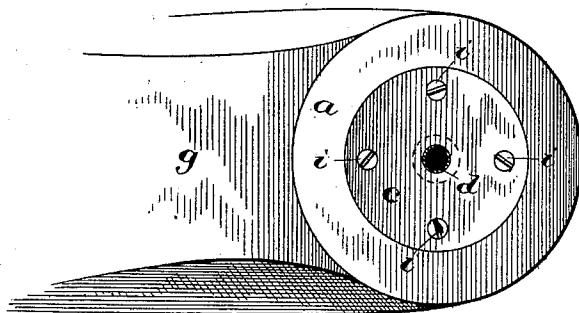
No. 428,157.

Patented May 20, 1890.

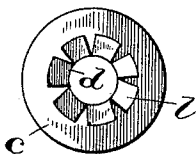
*Fig. 1.*



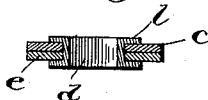
*Fig. 2.*



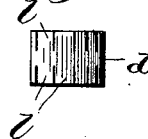
*Fig. 3.*



*Fig. 4.*



*Fig. 5.*



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# UNITED STATES PATENT OFFICE.

SIMON J. STOUGH, OF WEST NEWTON, PENNSYLVANIA.

## SHOE.

SPECIFICATION forming part of Letters Patent No. 428,157, dated May 20, 1890.

Application filed December 11, 1889. Serial No. 333,380. (No model.)

*To all whom it may concern:*

Be it known that I, SIMON J. STOUGH, a citizen of the United States, residing at West Newton, in the county of Westmoreland and State of Pennsylvania, have invented certain new and useful Improvements in Shoes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My present invention relates to an improvement in that class of shoe or boot heels known to the art as "sectional reversible heels," in which the lower pivoted section of the heel is adapted to be partially rotated or turned when it has become worn, so that a new wearing-surface is provided.

The invention consists of a heel for boots or shoes comprising two sections or members, two concentric face-plates countersunk in the opposing faces of the members or sections of said heel, said face-plates being secured rigidly to the respective members of the heel, and a vertical tubular pivot passing centrally through the face-plates and having the ends thereof split longitudinally for a short distance toward the middle thereof to form a series of prongs or lips, which are bent over and upon the face-plates, the lower rotary face-plate being fitted around the solid part of the tubular pivot and free to turn or rotate thereon.

In the accompanying drawings, Figure 1 is a sectional elevation of a portion of a shoe having my improved heel attached thereto, which is constructed in accordance with my invention. Fig. 2 is an inverted sectional plan view of the same, the said section taken on the line *xx*. Figs. 3, 4, and 5 are detail views of my improved means for attaching the two sections of the heel together.

To provide a shoe *g* with my improved heel, I first construct a circular base *a* of the depth

equal to about one-half the finished heel. Recessed in this base *a* is a circular metallic plate *c*, suitably secured in position by screws *z*. This plate *c* is pivoted to another *e* by a tubular rivet *d* of peculiar construction, hereinafter described, and this last-mentioned plate *e* attached to the lower section *f* of the heel. By means of a heel such as described, when one side, or any of its edges, becomes worn, it may be shifted to occupy another position, thus preserving the heel for a greater length of time than if made in the ordinary manner.

At Figs. 3, 4, and 5 I have shown by enlarged detail views my improved rivet, which consists of a short section of a tube *d*, having both of its edges *l* split in the direction of its length, which are bent at a right angle over the two plates, thereby closely attaching the two sections of the heel together.

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

The herein-described heel for shoes and the like, consisting of the two sections or members *a f*, the concentric face-plates countersunk in the opposing faces of the heel members and secured rigidly to their respective members, and a vertical tubular pivot *k*, passing centrally through the face-plates, said tubular pivot having the ends thereof split longitudinally for a short distance toward the middle thereof to form the prongs *l*, which are bent over and upon the face-plates, the lower rotary movable face-plate being fitted around the solid part of the tubular pivot and free to turn or rotate thereon, substantially as herein described.

In testimony that I claim the foregoing I hereunto affix my signature this 29th day of August, A. D. 1889.

SIMON J. STOUGH.

In presence of—  
J. C. STOUGH,  
WM. G. MUSE.