

(No Model.)

H. C. HART.

BOOT OR SHOE HEEL FASTENING.

No. 376,988.

Patented Jan. 24, 1888.

Fig. 1

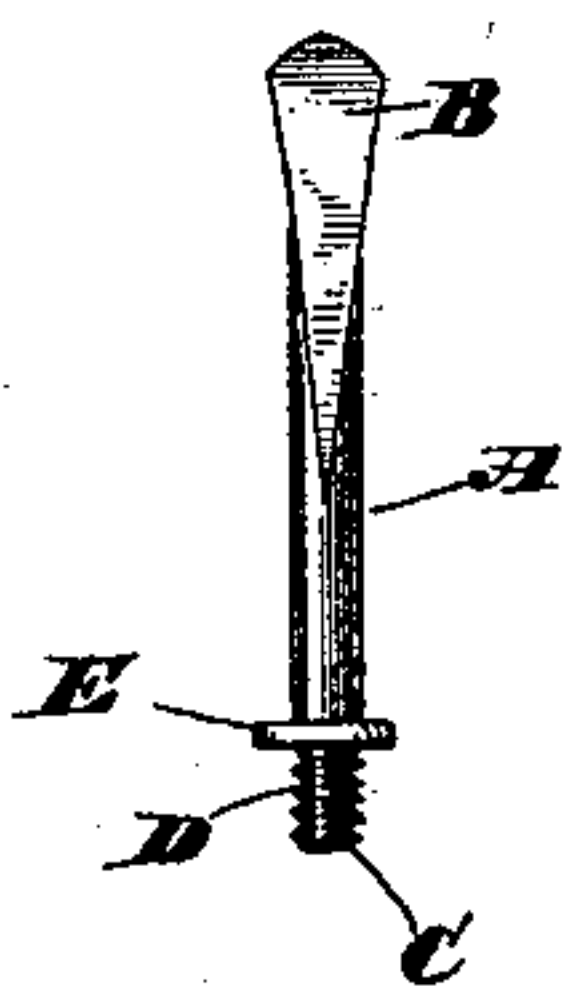


Fig. 2

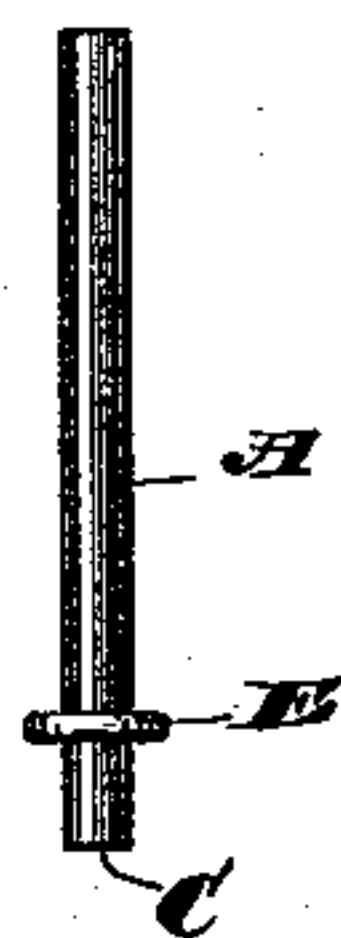


Fig. 3

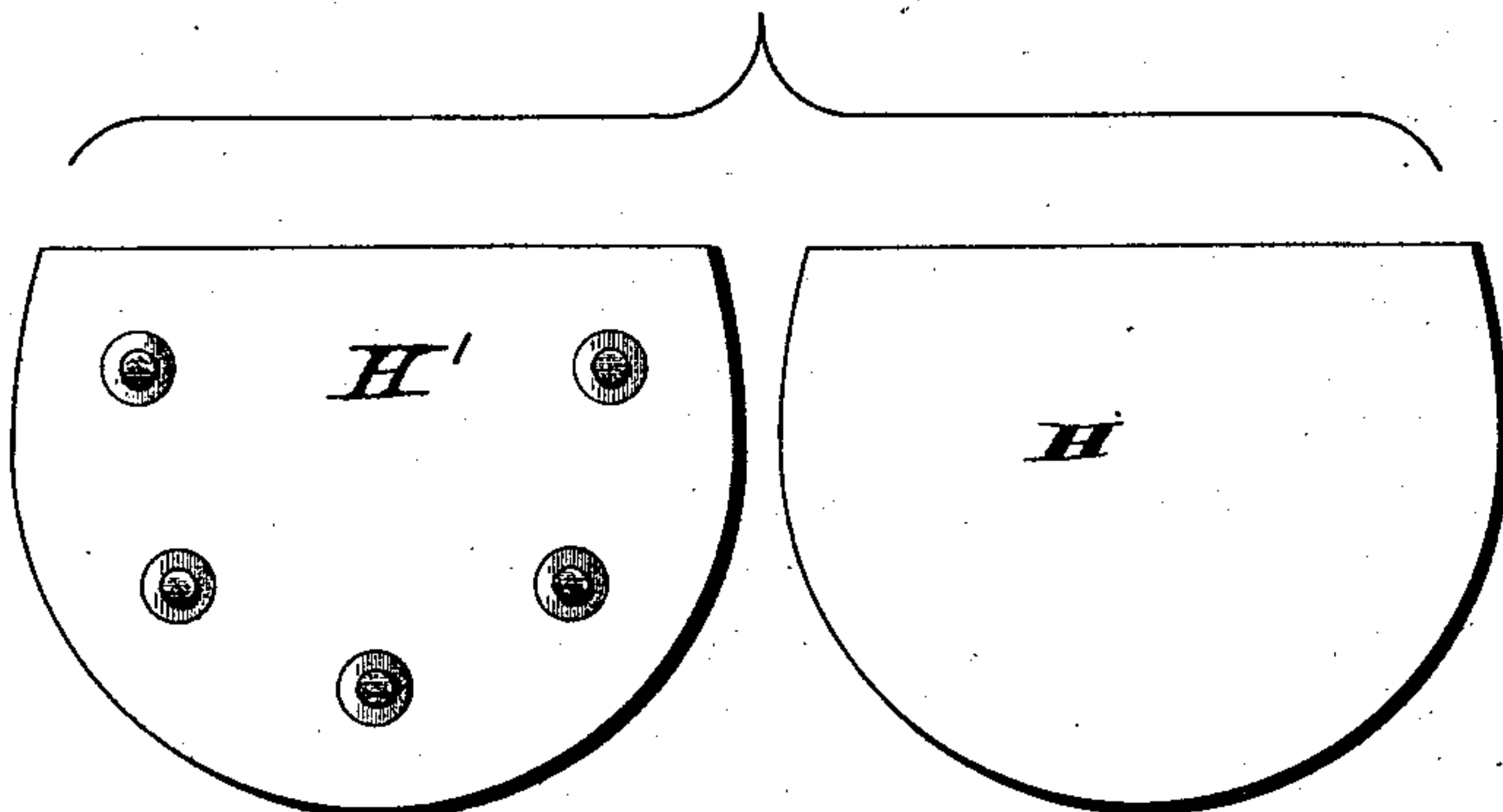
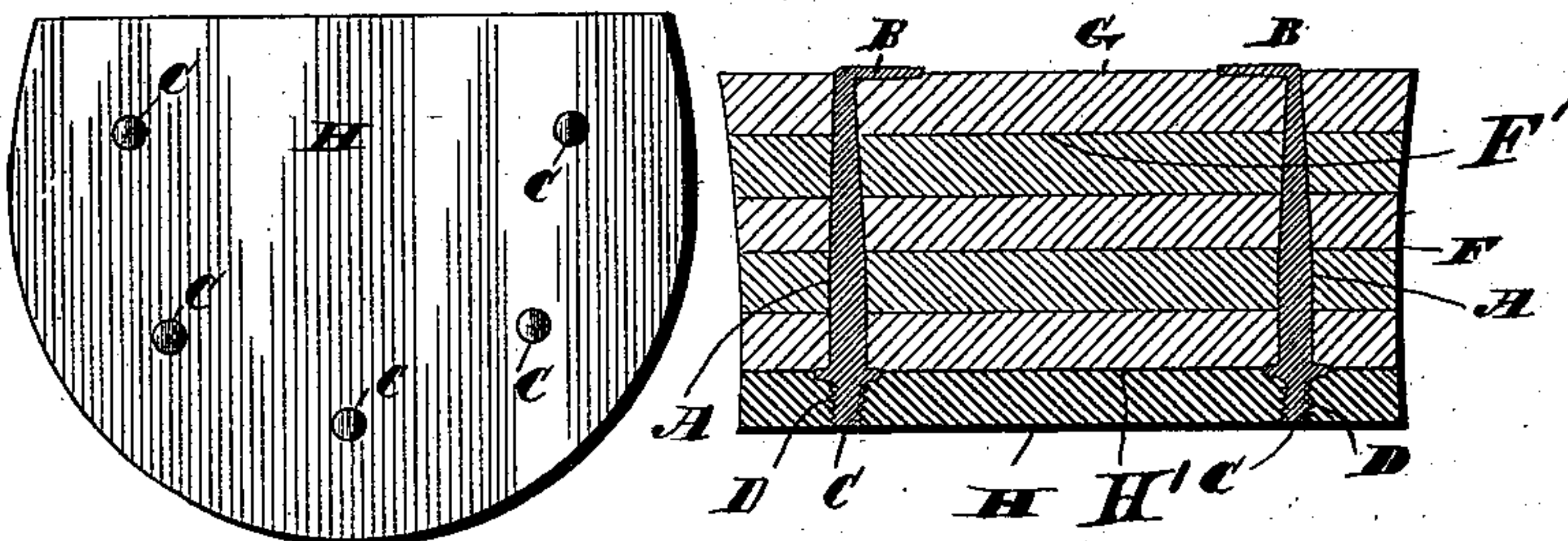


Fig. 4

Fig. 5



Witnesses

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BOOT OR SHOE HEEL FASTENING.

SPECIFICATION forming part of Letters Patent No. 376,988, dated January 24, 1888.

Application filed October 24, 1887. Serial No. 253,257. (No model.)

To all whom it may concern:

Be it known that I, HUBERT C. HART, residing at Unionville, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Boot or Shoe Heel Fasteners; and I do declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improvement in boot or shoe heel fasteners, the object being to produce a fastener adapted to positively clamp the several lifts of a heel-body together, and also to positively clamp the whole heel to the sole of a boot or shoe, combining simplicity and cheapness of construction with durability in use, and affording enduring wearing-surfaces for the protection of the top lift.

With these ends in view my invention consists in a boot or shoe heel fastener having a long binding end, a shorter wearing end, and a flange located between and in line with such ends, the binding end being adapted in length to pass through the heel-body and to project from the heel-seat, and to have its projecting end turned down to co-operate with the flange in securing a positive retaining action for the fastener.

My invention further consists in certain details of construction, as will be hereinafter described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a view in side elevation of one form which a fastener embodying my invention may assume. Fig. 2 is a similar view of such a blank as the fastener shown is formed from. Fig. 3 is a plan view of a heel made under my invention with the top lift removed and shown beside it. Fig. 4 is a similar view with the top lift in place, and Fig. 5 is a view in transverse section showing the attachment of such heel to a boot or shoe.

As herein shown, and preferably, my improved fastener is made of wire; and it consists of a binding end, A, having its extremity flattened, as at B; a wearing end, C, shorter than the said binding end, and corrugated or roughened, as at D, and a flat circular flange, E, located between and central to such ends, which

are in the same line, the said binding end A being adapted in length to pass through the heel-body F and project from the heel-seat F' and to have its projecting end turned down to co-operate with the flange in positively clamping the several lifts of the body together. As herein shown, and preferably, the projecting extremity of the binding end of the fastener is carried through the sole G and turned down thereupon, whereby the lifts of the body are not only positively clamped together, but the heel in its entirety is positively clinched to the sole.

The wearing end C of the fastener is adapted in length, as herein shown, to extend through the top lift H, and is roughened or corrugated to assist in securing the said lift to the heel-face H'. The extremity of the said wearing end is not reduced, and, standing out flush with the exposed face of the top lift, forms an enduring wearing-surface for the protection thereof. If desired, however, the wearing end may be adapted in length not to project through the top lift as the boot or shoe is supplied to the trade; but in this case it will be exposed and begin to perform its protecting function with the first wear of the boot or shoe.

The flat circular flange E, which is upset and thrown out by endwise pressure upon the wire rod, is located between and central to the said binding end and wearing end, which are in the same line.

Under my invention the several lifts forming the heel-body are positively clamped together, and if desired, under a great pressure from within outward, the flange and the bent extremity of the binding end of each fastener forming ample purchase for its retaining action.

I am aware that it is old to make a shoe-nail with a wearing end, a retaining end, and a collar located between and in line with such ends, the retaining end entering but not passing through the heel-body, and the collar serving simply to prevent the nail from being driven too far into the heel body, and so defeating a proper attachment of the top lift. I am also aware that a heel-fastener extending through the heel-body and into the sole of a boot or

shoe is not new. I do not therefore claim a shoe-nail having a collar located in line with and between two ends of unequal length, or a heel-fastener extending through the heel-body 5 and into the sole of a boot or shoe; but,

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

10 A boot or shoe heel fastener having a long binding end, a shorter corrugated or roughened wearing end, and a flange located between such ends, the said binding end being adapted in length to pass through the heel-

body and to project from the heel-seat, and to have its projecting end turned down to co- 15 operate with the flange in securing a positive retaining action for the fastener, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing 20 witnesses.

HUBERT C. HART.

Witnesses:

CHAS. B. SHUMWAY,
WILLIAM J. LUM.