

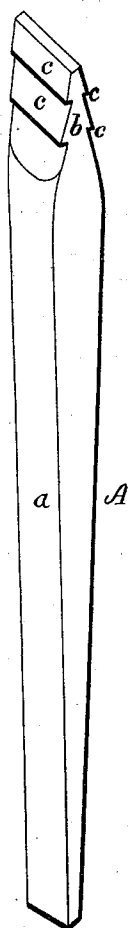
D. D. C. PILLSBURY.

SHOE-NAIL.

No. 171,043.

Patented Dec. 14, 1875.

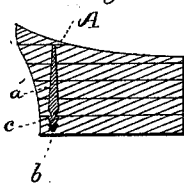
Fig. 1.



WITNESSES.

Francis E. Fayou.
W. Boardman

Fig. 2.



Daniel D. C. Pillsbury.
J. Curtis. Atty.

UNITED STATES PATENT OFFICE.

DANIEL D. C. PILLSBURY, OF LYNN, ASSIGNOR TO HIMSELF AND CYRUS D. HUNT, OF FAIRHAVEN, MASSACHUSETTS.

IMPROVEMENT IN SHOE-NAILS.

Specification forming part of Letters Patent No. **171,043**, dated December 14, 1875; application filed September 18, 1874.

To all whom it may concern:

Be it known that I, DANIEL D. C. PILLSBURY, of Lynn, Essex county, Massachusetts, have invented an Improved Nail for Heels of Boots and Shoes, of which the following is a specification:

The drawings accompanying this specification represent, in Figure 1, a perspective view of my improved nail, and in Fig. 2, a section of a heel provided with such nails.

The purpose of this invention is to provide a nail which shall confine the outer lift or tread of a leather boot-heel securely to the body of the same, and, at the same time, avoid injury to the stock of such outer lift; and, in carrying out my object, I reduce a small portion of the head-end of the nail to a wedge shape, and create in one or more sides of the head thus reduced a series of teeth or indentations, to take a firm hold of the leather and resist powerfully any tendency to remove the outer lift, in which such head is imbedded.

In the drawings accompanying this specification, A represents the nail embodying my improvement, in which the shank or body of such nail is shown at *a*.

In carrying out my invention, I reduce two sides of the head end of the nail to such an extent as to produce a wedge form, *b*, of greater

or less acuteness, according to circumstances, the end of the wedge being reduced to sufficiently near a sharp edge to enter or cut its way into the leather without bruising or crushing the stock, as now results in many instances.

In reducing or flattening the two sides of the head of the nail, as stated, such head is expanded in the opposite direction, and this aids very materially in confining the lift in place, as the fibers of the leather will part and yield sufficiently to allow the head to enter and will then tightly close about it.

Upon one or more sides of the head of the nail thus formed I impress or create several teeth or indentations *c c*, &c., and when the outer lift is driven upon such heads, the teeth bury themselves in the leather and effectually resist all reasonable effort to detach it.

I claim—

A nail, having a toothed or indented head tapered or reduced to a point or edge at its outer end, as and for the purposes shown and set forth.

DANIEL D. C. PILLSBURY.

Witnesses:

F. CURTIS,

W. E. BOARDMAN.