

A. S. WILKINSON.

Horseshoe Nail.

No. 61,970.

Patented Feb. 12. 1867.

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FIG. 1



FIG. 2



FIG. 3



FIG. 4



FIG. 5

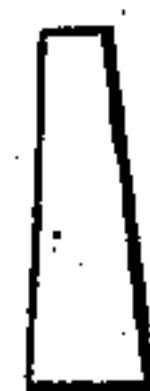


FIG. 6



FIG. 7



FIG. 8



FIG. 9



WITNESSES:

Thomas J. Burdell
George W. Fotherwell
"

INVENTOR:

Mumford & Co.
For A. S. Wilkinson
By O. Knight & Co.

United States Patent Office.

ALBERT S. WILKINSON, OF PAWTUCKET, RHODE ISLAND.

Letters Patent No. 61,970, dated February 12, 1867.

IMPROVEMENT IN HORSE-SHOE NAILS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, ALBERT S. WILKINSON, of Pawtucket, in the county of Providence, and State of Rhode Island, have invented a new and improved Horse-Shoe Nail; and I do hereby declare the following to be a full, clear, and exact description of the same, sufficient to enable one skilled in the art to which the invention appertains to make use of it, reference being had to the accompanying drawings, which form a part of this specification, in which—

Figures 1, 2, 3, and 4 are views in elevation of my improved taper-head horse-shoe nail under various forms.

Figure 5 is a separate view of the tapering head, or of the slow-tapering rivet for riveting together the two plates of a double horse-shoe.

Figures 6, 7, 8, and 9 represent transverse sections at xx of the tapering heads represented in figs. 1, 2, 3, and 4 respectively.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists in constructing a horse-shoe nail with a slow-tapering head, as hereinafter fully set forth.

In the accompanying drawings, B C is the nail, the body C of the horse-shoe nail being constructed as in ordinary horse-shoe nails, whilst the head B is formed of a slow-tapering form, as clearly shown in the drawings, forming an improved head. By the use of such nails, when used with the double shoes, but little other fastenings, if any, are required to hold the double shoe together, as such nail head is not only strong and stiff, but it fills all parts of the hole snugly, and prevents all play between the parts of the shoe, and from its conformation will retain its hold on the lower plate until the latter is entirely worn away. The lower and larger ends of these nail heads B, fig. 1, may be allowed to project below the shoe to act as small calks. This nail is particularly well adapted to such use, owing to its strength and to its fitting firmly and closely through the whole thickness of the shoe. In such case the nail would be made of steel, and annealed soft, the head only being hardened. The slow-taper head B is made to pass quite through an ordinary shoe, or through the lower plate of a double shoe. The tapering heads represented in figs. 1, 6, and 5, are circular in their transverse section; that in figs. 2 and 7 semicircular, and those in figs. 3, 8, 4, and 9 rectangular; that shown in figs. 3 and 8 being formed with a shoulder between the head and shank, and that in figs. 5 and 9 without.

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

A horse-shoe nail, B C, for securing shoes to the feet of animals, having a slow-tapering head, B, passing quite through the shoe, or through the lower plate of a double shoe, substantially in the manner and for the purpose set forth.

ALBERT S. WILKINSON.

Witnesses:

E. P. PATERSON,
W. W. BLODGETT.