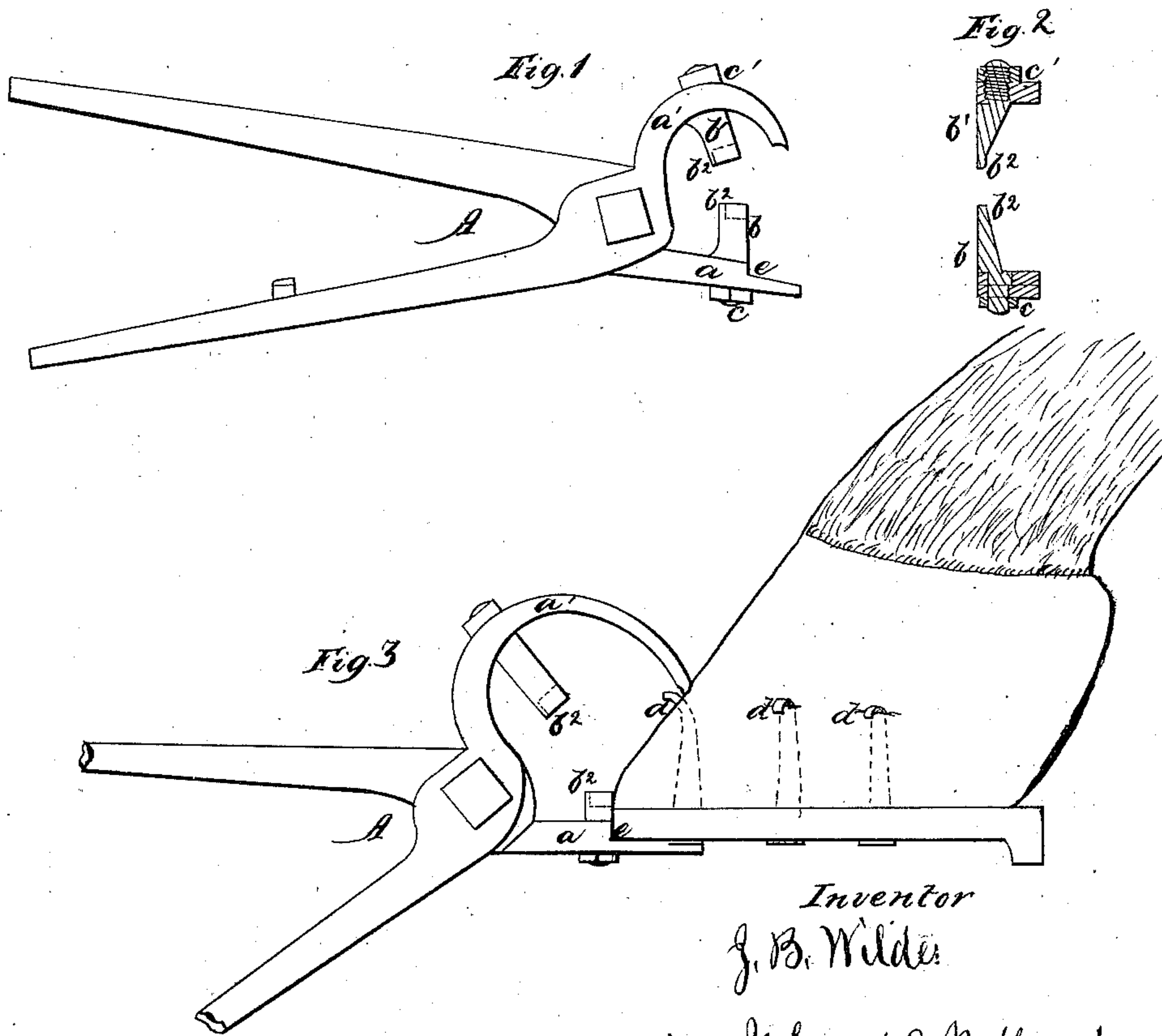


J. B. Wilder,

Clinchers.

N^o 79,928.

Patented July 14, 1868



Inventor

J. B. Wilder

per Holmead & Hollingshead
Attorneys

Witnesses
Edwin James
John A. Bloor

United States Patent Office.

JOHN B. WILDER, OF MANNSVILLE, NEW YORK, ASSIGNOR TO HIMSELF, H. W. SHEPARD, AND GEORGE A. HUGGINS, OF SAME PLACE.

Letters Patent No. 79,928, dated July 14, 1868.

IMPROVEMENT IN CLINCHING-NIPPERS.

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, JOHN B. WILDER, of Mannsville, county of Jefferson, and State of New York, have invented certain new and useful Improvements in Clinching-Nippers; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, and the letters of reference marked thereon, making part of this specification, in which—

Figure 1 is a side view of the nippers.

Figure 2 is a section on line *x x* of fig. 1.

Figure 3 is a view of the nippers applied to a horse's foot and shoe, exhibiting the method of clinching the nail.

The nature of my invention consists in combining, in a peculiar-shaped pair of nippers, a cutting-device, to cut off the ends of nails, rods, rivets, &c., and a curved jaw, so shaped as to draw down or up the ends of these several objects, so as to clinch or rivet them by a quick movement, thus obviating the use of a hammer and hand-anvil, such as are necessary in the ordinary method of clinching.

When applied to horse-shoeing, this implement serves the purpose of several other tools, and, with the shoeing-hammer, is all that is requisite. With these two any farmer, traveller, or other person can temporarily fasten a loose shoe, clinch a nail while on the road, or while plowing or carting, and so save many valuable hours. Heretofore, the necessity of having so many shoeing-tools, and the want of skill in holding the foot of the horse while being shod, have prevented many from undertaking what appeared to be a very difficult task. Now, on the road, at the farm, or any other place distant from a shop, with my improved nipper and clincher, any ingenious person can fasten the shoes, when they become loose, in the easy manner following:

Place the horse's foot on a plank or block, or any firm place, a little elevated, if such a position can be obtained, and, by putting the straight or lower jaw under the shoe, well up against the cutter, and then, by bringing the curved or upper jaw over the end of the nail, by a firm pressure of the handles, and bringing them together, the "clinch" will be immediately drawn down over the hoof as neatly as when done by the hammer in the old way. If a file should be used, those acquainted with its use can make a more finished and permanent clinch than by the hammer.

The cutting-edges are for the purpose of cutting off to the neat size the ends of nails, bolts, or rivets, and in horse-shoe nails does away with the old slovenly method of "twisting" with the claw of the hammer, thus leaving a ragged end, which too often causes the horse to cut his opposite leg. By my nippers the nail is cut neatly to the exact length, and, being firmly driven, the "clinch" is made, and the nail, by the process, more firmly drawn in than before, whereas in the old manner of hammer-clinching, the nail was invariably driven back, and the farrier was under the necessity of again "driving home," and again clinching and again driving, so that the frequent driving back and forth loosened the nail in the hoof. Every one who has ever driven a shoe-nail, or witnessed the operation, can testify to this bad effect, which I now obviate.

To enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

A is the nipper. *a* is the lower or straight jaw; *a'*, the curved jaw or clincher. *b* and *b'* are the cutters, which each have a shank with screw-threads, and which passes through holes in the jaws, well strengthened by shoulders underneath, and nuts *c* and *c'*, to keep them in place, and by which the cutters can be quickly removed for sharpening, &c. *b²* *b²* are small lips on the cutters, to guide the nails. *d d* are the clinched ends of the horse-shoe nails. *e* is the shoulder, to receive the shoe or other surface to be clinched or riveted, being flush with the cutter, and extending the joggle to hold the same.

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

1. The cutters *b* and *b'*, when the same are so applied to a pair of clinching-nippers that they can be operated substantially as described, as and for the purpose specified.

2. The cutters *b* and *b'*, jaws *a* and *a'*, and shoulder *e*, when the same are arranged substantially as described, as and for the purpose specified.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN B. WILDER.

Witnesses:

D. G. BULKLEY,
S. J. HAM.