

W. N. HALL.

Nails.

No. 135,114.

Patented Jan. 21, 1873.

Fig. 1.

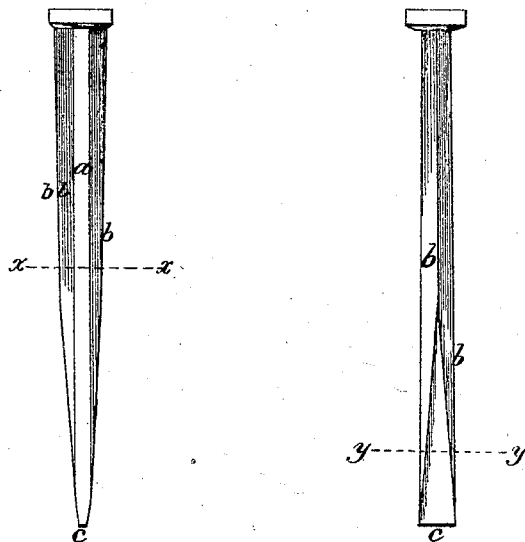
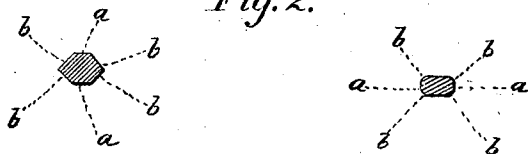


Fig. 2.



Witnesses:

John H. Wagner.
R. Howard.

Inventor:

William N. Hall.
By Johnson, Klauke & Co.
his Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM N. HALL, OF MEXIA, TEXAS.

IMPROVEMENT IN NAILS.

Specification forming part of Letters Patent No. 135,114, dated January 21, 1873.

To all whom it may concern:

Be it known that I, WILLIAM N. HALL, of Mexia, in the county of Limestone and State of Texas, have invented a certain new and useful Improvement in the Manufacture of Nails, of which the following is a specification:

My invention consists of a new article of manufacture and trade, being a nail of hexagonal form, the part whereof near the head having two sides nearly flat, with beveled edges, and the slant or bevel toward the point or inserting-end on each side at right angles to the said flattened beveled sides, so as to approach a chisel-point, merging into sharp opposite edges, the advantages of which will be hereinafter more fully described.

In the accompanying drawing, Figure 1 represents views, in elevation, of my improved nail; and Fig. 2 represents views in section of the same, taken, respectively, in lines *x x* and *y y* of Fig. 1.

The drawing represents a full-sized "six-penny nail" made in accordance with my invention. The nail is made by having two of its sides *a* beveled to form sharp edges about two-thirds of its length, as shown at *b*, and in beveling the edges thus formed at right angles, so as to approach a chisel-point, as shown at *c* in Fig. 1 of the drawing. Thus formed, the nail has a taper from its point to its head, whereby the greatest wedging is ex-

erted in the first stages of driving, and decreases as it proceeds; hence there is scarcely any liability to split the wood. In an enlarged view I have shown, at *c'*, the manner in which the bevels *c* have a sharper bevel to form a stout point, whereby I avoid the liability of the nail to break.

It will thus be seen that my improved nail has its two sides decreasing and tapering from the point to the head; that these sides have their edges beveled; that these beveled edges are intersected, at about one-third of the length of the nail from its point, with bevels at right angles thereto, ending in the stout point above described. This point *c'* will cut its way into the hardest wood without breaking, and for ordinary purposes the nail may be made of cheaper and inferior iron to that now used.

The several oblique edges and tapers of the nail form holding-shoulders, which give to the nail a most tenacious hold upon the wood.

Having described my invention, I claim—

The nail, substantially as herein described, as a new article of manufacture and trade.

In testimony whereof I have hereunto set my hand this 23d day of October, A. D. 1872.

WILLIAM N. HALL.

Witnesses:

CHAS. E. BRODIE,
JAMES A. HENSON.