

Andrew Patterson

assignor to

JOHN DEAN.

106501

Impt in

PATENTED AUG 16 1870

NAILS.

Fig. 1.



Fig. 2.



Fig. 3.

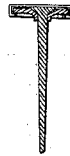


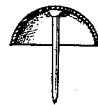
Fig. 4.



Fig. 5.



Fig. 6.



Witnesses:

H. J. Stritz
J. A. Pearson

Inventor

Andrew Patterson by
H. W. Beadle atty

United States Patent Office.

ANDREW PATTERSON, OF WORCESTER, MASSACHUSETTS, ASSIGNOR TO
JOHN DEAN, OF SAME PLACE.

Letters Patent No. 106,501, dated August 16, 1870.

IMPROVEMENT IN 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, ANDREW PATTERSON, of Worcester, in the county of Worcester and State of Massachusetts, have invented a new and useful Improvement in Nails; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

This invention consists of an improved trunk, carpet, or furniture-tack or nail, of that class having large rounded or concave heads.

Tacks or nails, of large and round heads, cannot be made of the same piece with the shank, and by the same process.

Hitherto it has been customary to make them by forming head and tack separate, and then soldering the tack into the head, or the tack is thrust through the center of a disk of pasteboard or other material, and the disk then coated with copper, brass, or other suitable metal, another piece of pasteboard, or other material, being sometimes placed above said disk, and beneath said covering of copper, brass, or other metal.

These processes, of course, involve considerable manipulations, and, in addition, furnish a defective article, the head being liable to become crushed or separated from the shank.

The parts and completed tack are formed by the steps hereinafter set forth.

Disks of thin metal are cut of proper size and punched with holes, as shown in fig. 1, the hole being left jagged, or enough metal being left to be bound tightly to the shank.

Through this hole the tack or nail, of suitable con-

struction, as shown in fig. 2, is thrust, till the head rests against the jagged or tightly-fitting sides of the hole.

By a blow the parts are forced together, and the edges are imbedded in the shaft of the nail, making the whole practically homogenous in structure. At the same time the head can be easily stamped into proper shape, and the nail completed, by simple and inexpensive process.

When completed, it has also the advantage of offering the head of the nail itself, or the shank, to the blows of driving, since the shank projects through the disk which forms the head.

Thus, the head is not liable to displacement in the act of driving, and is held thereafter firmly in place.

I do not claim a tack made of head and shank soldered together, nor of pasteboard or other similar head, strengthened by casting of brass or other metal; and I am aware that a solid cap has been swaged onto the head of a nail over the head; but

What I do claim, and desire to secure by Letters Patent of the United States, is—

An improved tack or nail formed of a disk provided with jagged or other hole, into which the shank is inserted and imbedded by swaging, in such manner that the head protrudes through and is exposed to the force of the blow, as described.

This specification signed and witnessed this 22d day of June, 1870.

ANDREW PATTERSON.

Witnesses:

T. L. NELSON,
B. W. POTTER.