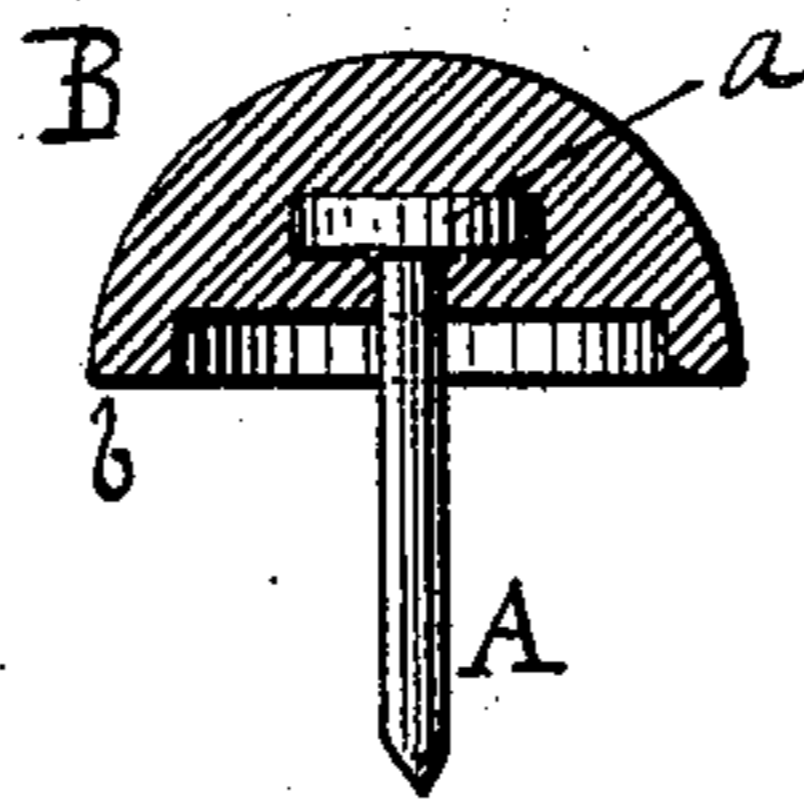


(No Model.)

T. F. N. FINCH.
FURNITURE NAIL.

No. 370,614.

Patented Sept. 27, 1887.



WITNESSES.

Albert W. Dean
Benjamin L. Dennis

INVENTOR.

Thomas F. N. Finch
by his attorneys
Perce & Hallett

UNITED STATES PATENT OFFICE.

THOMAS FREEMAN NOTT FINCH, OF WORCESTER, COUNTY OF WORCESTER,
ENGLAND, ASSIGNOR TO J. WILSON McCRILLIS, OF PROVIDENCE, RHODE
ISLAND.

FURNITURE-NAIL.

SPECIFICATION forming part of Letters Patent No. 370,614, dated September 27, 1887.

Application filed November 2, 1881. Serial No. 44,988. (No model.)

To all whom it may concern:

Be it known that I, THOMAS FREEMAN NOTT FINCH, of Worcester, in the county of Worcester, England, have invented a new and useful
5 Improvement in the Manufacture of Furniture-Nails; and I do declare the following to be a specification thereof, reference being had to the accompanying drawing, which shows in elevation my invention with the solid head
10 in diametrical section.

My invention relates to the manufacture of ornamental nails for upholstery and similar uses; and it consists in embedding the head of a nail within a piece of moist leather and com-
15 pressing and molding such leather about the nail-head by means of a die and cutter, and subsequently shrinking said leather head upon the nail to hold it immovably, as hereinafter specified.

20 In the manufacture of my improved furniture nail I take a piece of butt or sole leather and soften it by soaking in water to render it pliable. I then punch a hole half-way through the thickness of the leather of a size sufficient
25 to receive the head *a* of the nail *A*, which is sunk into the hole, so made for its reception, by a gentle blow of a hammer. When the nail-head is thus in position within said cavity, I cut out of said piece of leather by a die
30 and cutter a disk or blank of the leather sur-

rounding the nail-head *a*. The blank so cut and containing the nail-head is formed into the desired shape or pattern by compression thereof in a die by means of a plunger. As the leather is moist and yielding, it is crowded by
35 the action of the plunger into close contact with the nail head and shank, forcing the edges of said cavity to close down upon or overlap the nail-head and to firmly embrace the shank, as shown in the drawing. This op-
40 eration serves not only to fasten the nail-head within the knob *B*, but to impress upon it any figure or design which has been cut in the die. In the drawing, the knob *B* is shown with an annular rim or flange, *b*, upon its under side.
45 As the leather dries, it shrinks upon the nail head and shank, and thus the knob is immovably fixed.

I claim as a novel and useful invention and desire to secure by Letters Patent— 50

As an improved article of manufacture, a furniture-nail having a compressed leather head, substantially as specified.

THOMAS FREEMAN NOTT FINCH.

Witnesses:

FREDERICK WADELY,
RICHARD EDWIN COPE.

*Clerks to Messrs. Hooper & Hooper, Solicitors
and Notaries, Worcester.*