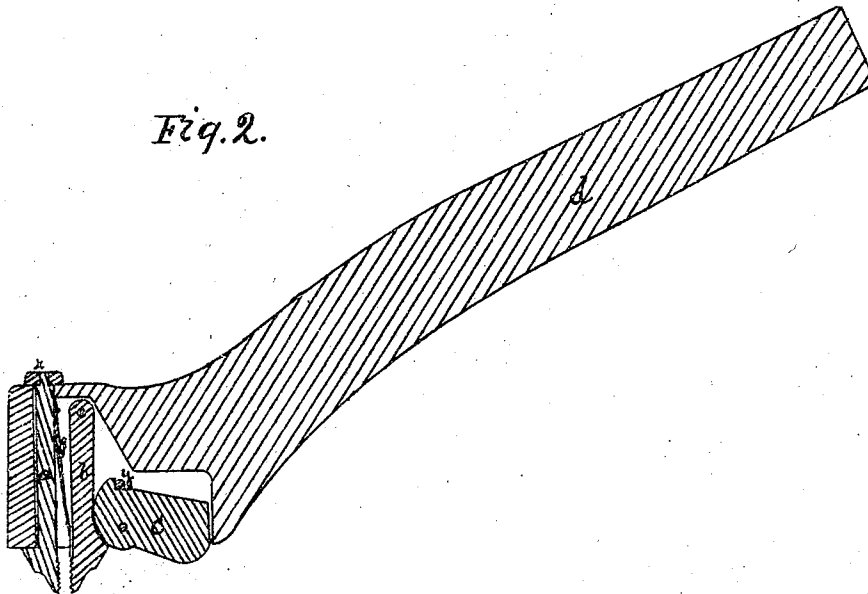
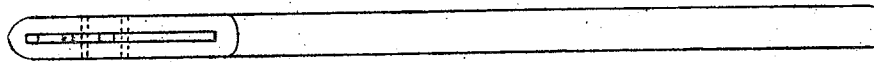
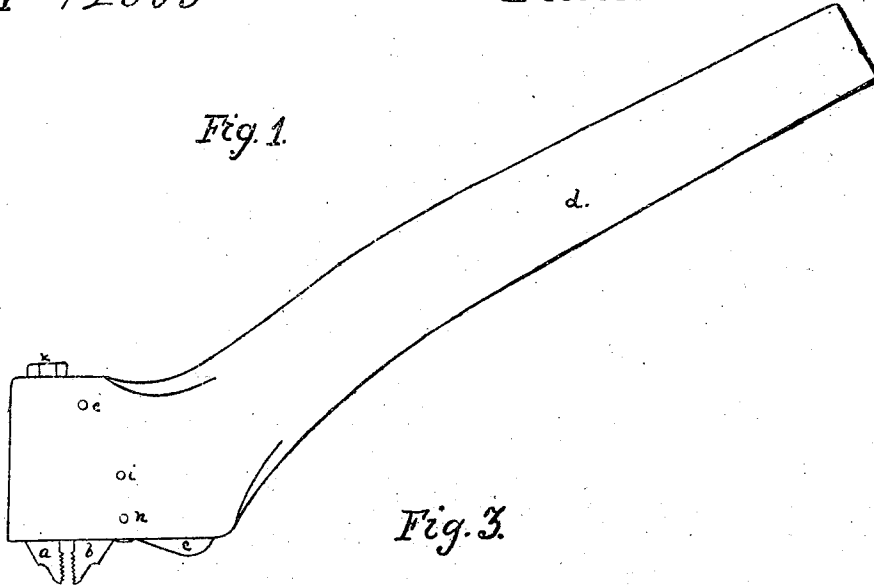


S. Marden.
Nail-Drawer.

Nº 72655

Patented Dec. 24, 1867.



Witnesses.

E. A. Upton
Daniel B. Lovejoy

Inventor.

Samuel Marden
by his Attorney
Geo. A. Hitchcock

United States Patent Office.

SAMUEL MARDEN, OF NEWTON, MASSACHUSETTS.

Letters Patent No. 72,655, dated December 24, 1867.

IMPROVEMENT IN NAIL-DRAWER.

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

Be it known that I, SAMUEL MARDEN, of Newton, in the State of Massachusetts, have invented a new and improved Instrument for Drawing Nails and for other purposes, of which the following, with the accompanying drawings, is a full description.

Figure 1 is a side elevation.

Figure 2 is a vertical section of the same.

The instrument produced by my invention is peculiarly adapted for drawing out nails that are without heads, and that have been buried in the wood, while, at the same time, it is simple, cheaper, and far more effective in circumstances permitting the use of other instruments.

Its construction is as follows: The part containing the jaws and cam, and terminating in the handle, is made of cast or malleable iron. The handle is solid, whilst the shorter arm of the lever is vertically pierced to admit the stationary jaw *a*, fixed by the nut *x*, and the movable jaw *b*, hung on the pivot *e*, together with the cam *c*, suspended on the pivot *n*. The jaws serrated on their lower inner edge for securely holding the nail, and the cam, are made of cast steel, and the pivots of steel wire. The spring *g* keeps the jaws apart, and the rod *y* the cam in position when not in use. The metals stated I think preferable, and, also, that a hammer combined with the drawer would be an improvement. The jaws, having been placed about the nail, and by pounding on the nut *x*, sufficiently inserted below it, and a downward pressure applied to the handle, the cam *c* acts as a fulcrum to the lever *d*, and as a lever to the movable jaw *b*, firmly holding the nail in the jaws till the pressure upon the fulcrum has ceased, by the withdrawal of the nail.

What I claim as my invention, and desire to secure by Letters Patent, is—

A cam, *c*, acting as a fulcrum to a lever, *d*, and as a lever to a jaw, *b*, substantially as described.

SAM'L MARDEN.

Witnesses:

G. A. HITCHCOCK,
E. A. S. MARDEN.