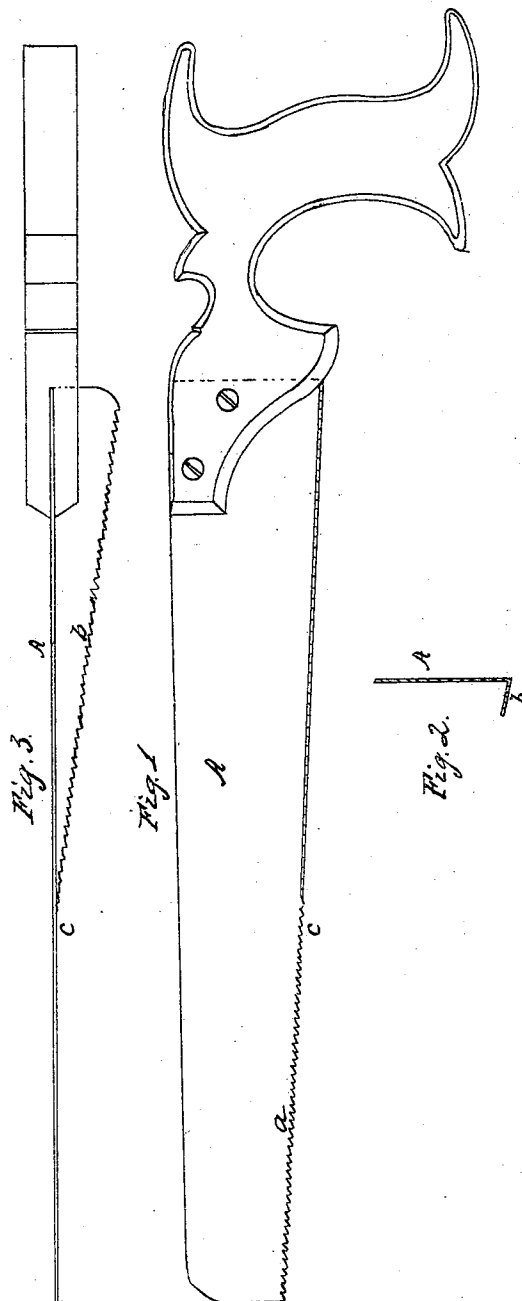


J. F. Allen.
Hand-Saw.

N^o 72582

Patented Dec. 24, 1867



Witnesses.

Henry E. Roeder

William Dwyer

Inventor

John F. Allen.

United States Patent Office.

JOHN F. ALLEN, OF NEW YORK, N. Y.

Letters Patent No. 72,582, dated December 24, 1867.

HAND-SAW.

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 F. ALLEN, of New York, in the county and State of New York, have invented a new and useful Dove-Tail Saw; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure I represents a side elevation, and

Figure II a cross-section of my improved saw, and

Figure III is a top view.

The nature of my invention consists in turning the lower part as the after end of a hand-saw to form an angle with the blade similar to a flange, increasing gradually in width, and providing suitable teeth on the edge of said flange, in such a manner that after the front end of the saw has cut into the wood, in the usual manner, to the desired depth, this after part will then cut at an angle to said first cut.

In the accompanying drawings, A represents the hand-saw, the forward end *a* of which is provided with teeth in the usual manner. At the after end the lower part *b* is bent at an angle corresponding with the required angle of the dove-tail, tapering from the point *c*, where said flange runs to a point with the straight part *a* of the saw, to any desired width at the rear end of the saw. The edge of this flange *b* is provided with teeth similar as the straight part *a*.

To cut a dove-tail with this saw, the wood is cut downwards by the front part *a* to any desired depth, forming the side of the dove-tail, after which the saw is pushed further into the wood past the point *c*, when the teeth on the flange *b* will cut horizontally or the bottom of the dove-tail about one-half of its length. The wood is then turned around, and the other side of the dove-tail is cut by the forward end *a* of the saw until the desired depth is obtained, when the saw is again pushed further into the wood past the point *c*, and the bottom of the dove-tail cut by the flange *b*, till it meets the part cut before.

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

Turning a portion of the blade of a hand-saw to form an angle with the other portion of the blade of said saw, in the manner and for the purpose substantially as described.

JOHN F. ALLEN.

Witnesses:

HENRY E. ROEDER,

WILLIAM DERFER.