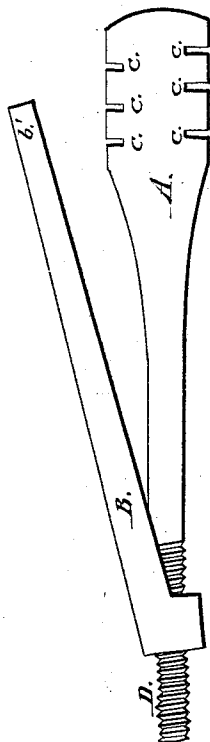


*J. Merrill.*

*Saw-Set.*

*N<sup>o</sup> 87,966.*

*Patented Mar. 16, 1869.*



**WITNESSES:**

*Charles M. Young.*  
*Chas. W. Letcher.*

**INVENTOR:**

*John Merrill*  
PER *Chas. S. Whitman*  
attorney



JOHN MERRILL, OF FREEPORT, MAINE.

*Letters Patent No. 87,956, dated March 16, 1869.*

**IMPROVEMENT IN SAW-SETS.**

*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 MERRILL, of Freeport, in the county of Cumberland, and State of Maine, have invented a new and improved Saw-Set; and I do hereby declare that the following is a full and exact description thereof, which will enable those skilled in the art to make and use my invention, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to a new and improved saw-set, and consists in a peculiar construction of the same, whereby it may be readily adapted for setting teeth of large and small saws, and adjusted in such a manner as to give any desired angle of inclination to the said teeth.

In the annexed drawing—

A and B represent, respectively, the two principal parts of the saw-set.

The part A may be made in any of the common forms in use, or so constructed as to have one of its edges, *a*, thicker than the other edge, *a'*, so that slit *c* may admit of being adapted to fine or coarse teeth.

Upon the end, D, of the part A, a thread is cut, forming a screw, which fits a corresponding female screw cut in one end of the gauge-piece B.

The screw in the end of the gauge-piece is so cut as to allow the same to be screwed easily backward and forward upon and about the piece A, to form an angle of about fifteen degrees with the said piece *a*, that angle having been found, by experiment, to be best adapted to the purpose for which my invention is used.

The method of using my invention is readily seen.

The gauge-arm B is adjusted in any desirable position by turning the same upon the screw cut upon the part A. The saw-teeth are then inserted into the slit, and sufficient force used by the hand to bring the end, *b'*, of the gauge-arm B in contact with the plate of the saw, the angle formed by the saw-teeth being thus exactly determined, and uniformly regulated.

*Claims.*

Having thus described and defined my invention, I claim—

1. The gauge-arm B, substantially as described.
2. A saw-set, made by the combination and arrangement of the gauge-arm B and the part A, substantially as described.

JOHN MERRILL.

Witnesses:

WILLIAM MERRILL,  
WILLIAM A. MITCHELL.