

G. A. OSGOOD.  
Bevel-Attachments for Saws.

No. 154,074.

Patented Aug. 11, 1874.

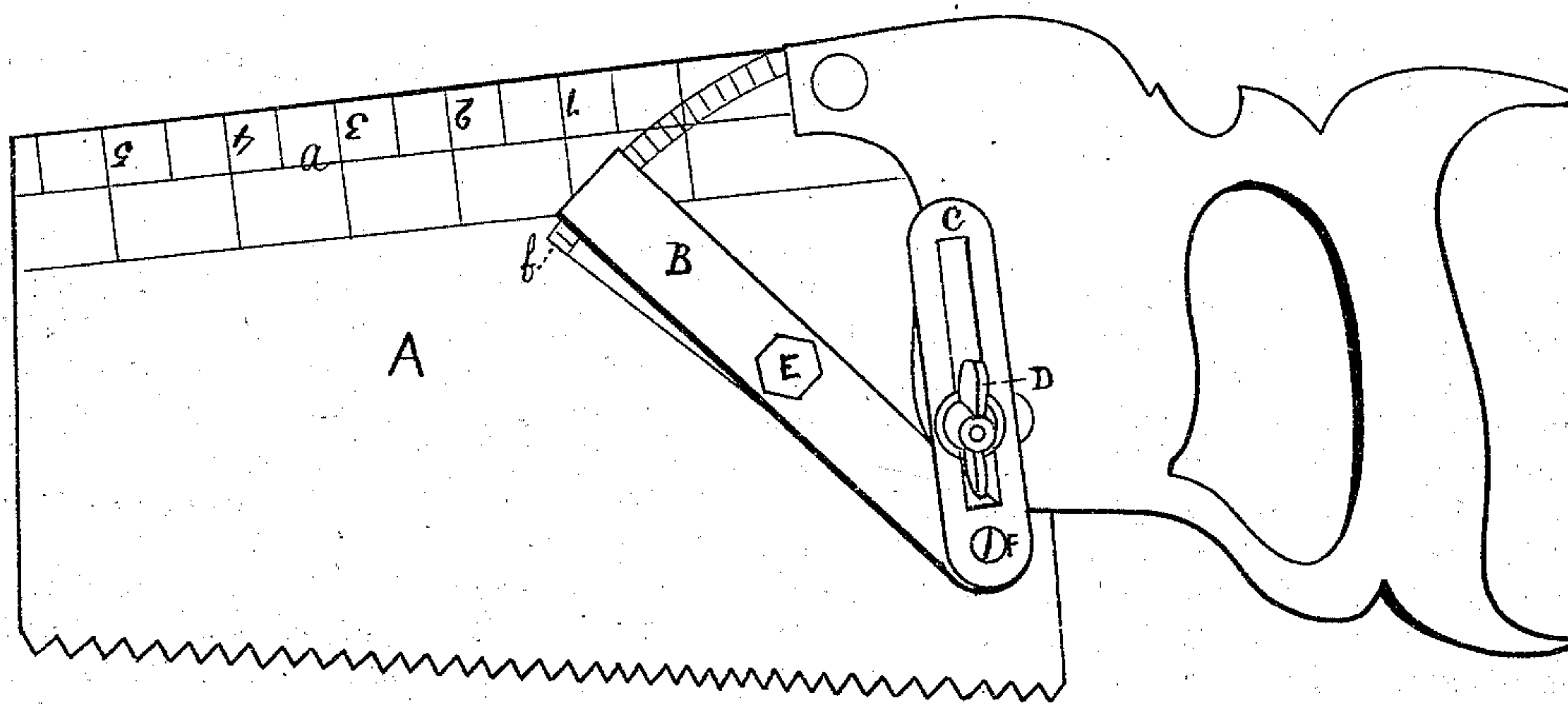


FIG. 1

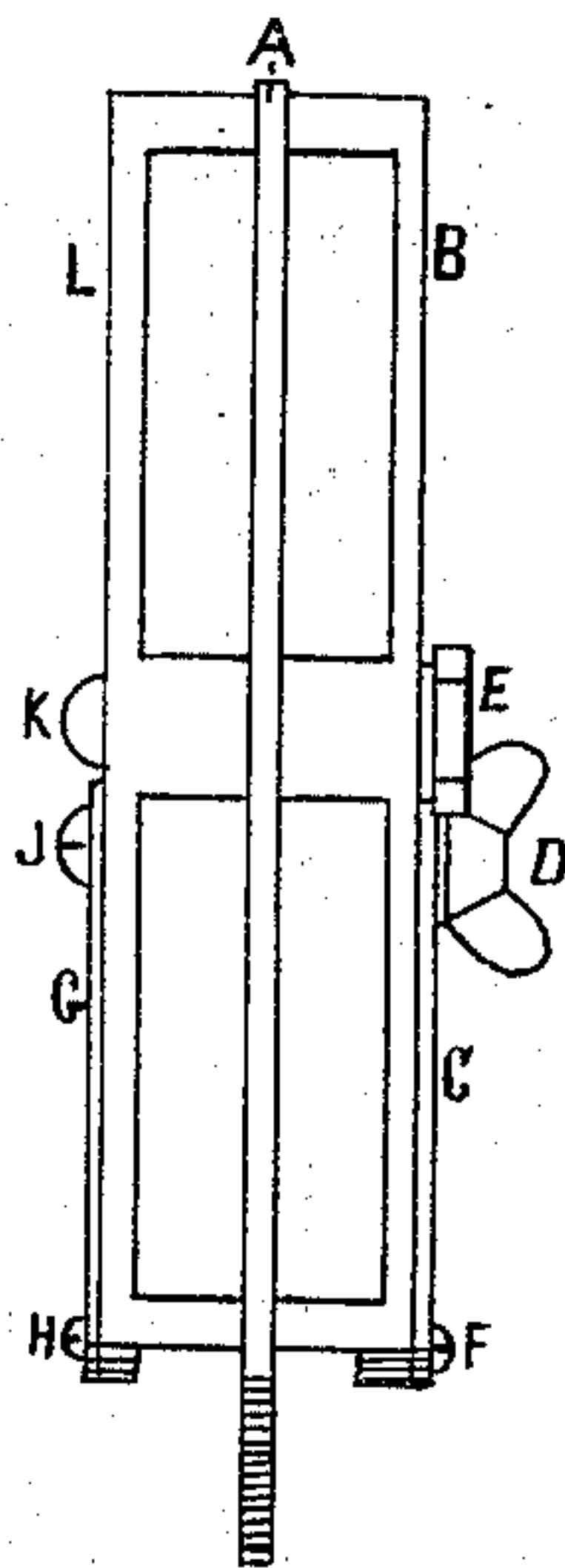


FIG. 2

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# UNITED STATES PATENT OFFICE.

GEORGE A. OSGOOD, OF HAVERHILL, MASSACHUSETTS.

## IMPROVEMENT IN BEVEL ATTACHMENTS FOR SAWS.

Specification forming part of Letters Patent No. **154,074**, dated August 11, 1874; application filed March 6, 1874.

*To all whom it may concern:*

Be it known that I, GEORGE A. OSGOOD, of Haverhill, in the county of Essex, State of Massachusetts, have invented a certain new and useful Improvement in Saws, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a side elevation of my improved saw. Fig. 2 is a vertical transverse section of the same.

Like letters refer to like parts in the different figures of the drawing.

My invention relates more especially to that class of hand-saws which are unprovided with backs or ribs; and consists in a novel construction and arrangement of the parts, as hereinafter more fully set forth and claimed, by which a very compact and desirable tool for carpenters' and builders' use is produced.

In Fig. 1, A is the saw; B, the bevel-arm or index, having its center of motion at E, and provided with the slotted link C, pivoted at F. On the back of the saw there is a measure or rule divided into inches and fractional parts thereof, and on the sides of the saw-blades a bevel-scale, forming the arc of a circle. The bevel-index B is desired to be set in any desired position by the set-screw D and link C, the blade of the saw forming the blade of the bevel, the bevel-line being struck or scribed along or on a line with the back of the saw. The opposite side of the saw from that shown in Fig. 1 is provided with the gage L, pivoted at K, and having the link G pivoted at H and furnished with the set-screw J.

From the foregoing the nature and opera-

tion of my invention will be readily understood by all conversant with such matters.

When it is desired to strike a bevel line on a stick of timber the index B is first set at the proper angle, as indicated by the scale *b*, and fastened in position by the set-screw D. The blade A of the saw is then placed flatwise on the timber in such a manner as to bring the side of the index against the side of the timber, and the bevel line then struck or scribed by the saw-blade, the length of the bevel-line being easily determined at the same time by the scale or measure on the back of the saw. The bevel or gage L is very convenient where it is required to repeatedly strike and saw two bevels of different angles.

I am aware that in Letters Patent numbered 23,531, granted to Wm. McNiece, April 5, 1859, a saw is described which is provided with a rule or measure arranged in a socket in the back or rib near the handle in such a manner as to be opened after the manner of a knife-blade, and fixed at any angle by means of a set-screw, so as to act as a bevel, but the same is essentially different from my invention, there being no bevel arm and scale for setting the bevel additional to the measuring-rule, which is important for convenience and effectiveness. I therefore do not claim anything shown or described in the patent of said McNiece when in and of itself considered; but

What I claim is—

In combination with the saw-blade A, the bevel-arm B, provided with the link C and set-screw D, substantially as and for the purpose specified.

Witnesses: GEORGE A. OSGOOD.

JOSEPH K. JENNESS,  
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