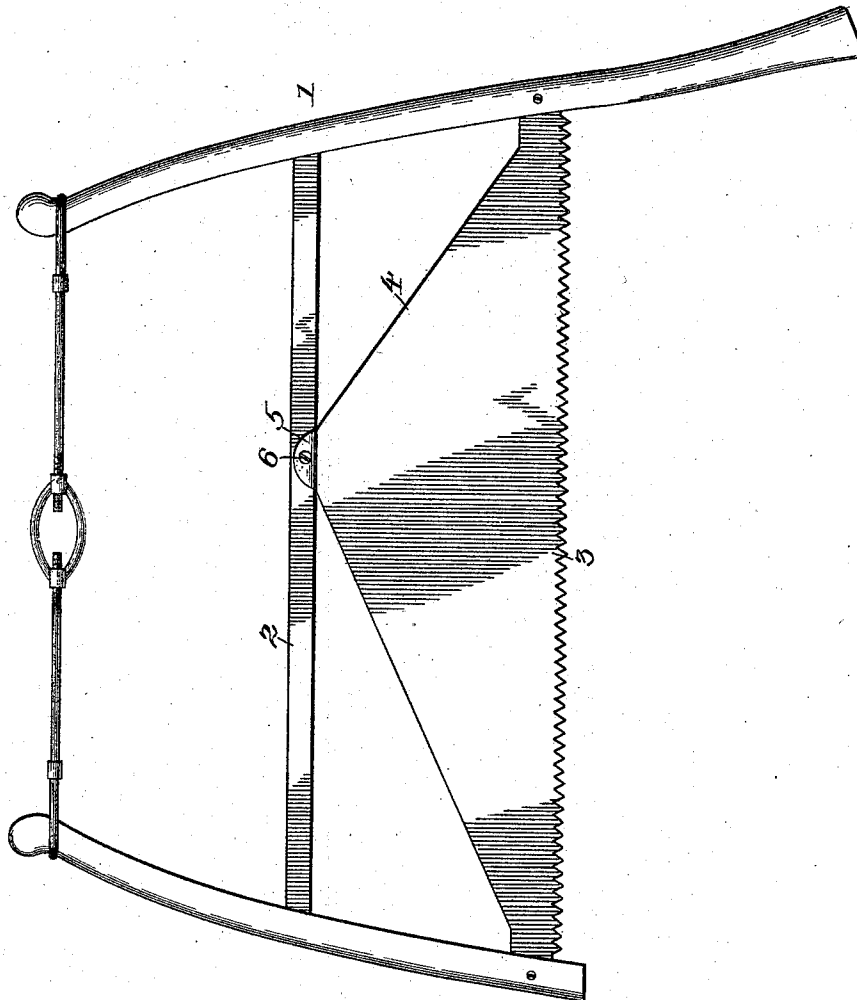


(No Model.)

E. L. KNAPP.
SAW.

No. 571,376.

Patented Nov. 17, 1896.



Witnesses

T. Lloyd Mochaber

John W. Cromwell

By *his* Attorneys,

Inventor
Eugene L. Knapp

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

EUGENE L. KNAPP, OF COOPERSTOWN, NEW YORK.

SAW.

SPECIFICATION forming part of Letters Patent No. 571,376, dated November 17, 1896.

Application filed April 15, 1896. Serial No. 587,663. (No model.)

To all whom it may concern:

Be it known that I, EUGENE L. KNAPP, a citizen of the United States, residing at Cooperstown, in the county of Otsego and State of New York, have invented a new and useful Saw, of which the following is a specification.

This invention relates to improvements in saws, and more particularly to the blades of that class commonly known as "bucksaws."

The object of the invention is to provide a blade which shall be so secured to the saw-frame as to prevent "buckling," and also to maintain the blade in perfect alinement therewith.

A further object of the invention is to dispense with the objectionable shock occasioned by buckling, and by the rigid attachment of the blade in the frame enable the saw to cut faster.

In the accompanying drawing the figure is a side elevation of a saw having a blade constructed in accordance with my invention.

Referring to the drawing, 1 designates a saw-frame of the usual construction and having a cross-brace 2. At one side of the frame 1 a blade 3 is attached, the ends of which are secured thereto in the ordinary manner for holding the blade in operative position. The back of this blade is provided with a widened portion 4, and said widened portion extends to a point opposite to the brace 2. This widened portion 4 is shown as being angular, and the sides converge to a point where they almost intersect each other. At this point a nib 5 is formed, through which a screw 6 or its equivalent is passed into the cross-brace 2, thereby holding the blade in a firm position in the saw-frame.

From the preceding description it will be obvious that I have provided a saw the advantages of which will be apparent. When operating the saw, all danger of the blade buckling is avoided. The nib 5 securely maintains the blade in a firm position, and thus holds the same in perfect alinement with the saw-frame. In view of the fact that buckling is prevented, it will follow as a natural consequence that the objectionable shock to the arms and hands occasioned thereby will be entirely dispensed with. Furthermore, by providing saws with a blade similar to the one herein described it will not be necessary to construct the blade so thick as heretofore, the widened portion 4 successfully maintaining a thin blade in its proper position. This is a decided advantage and will enable the saw to cut faster than is usual with the style of blade commonly in use.

I claim as my invention—

1. A saw comprising a frame provided with a cross-brace, and a blade secured to one side of the frame, said blade having a widened portion secured to the cross-brace of the frame, substantially as set forth.

2. A saw comprising a frame provided with a cross-brace, and a blade secured to one side of the frame and having a widened portion provided with a nib, said nib being secured to the cross-brace, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

EUGENE L. KNAPP.

Witnesses:

GEORGE M. GRANT,
W. S. RUSSELL.