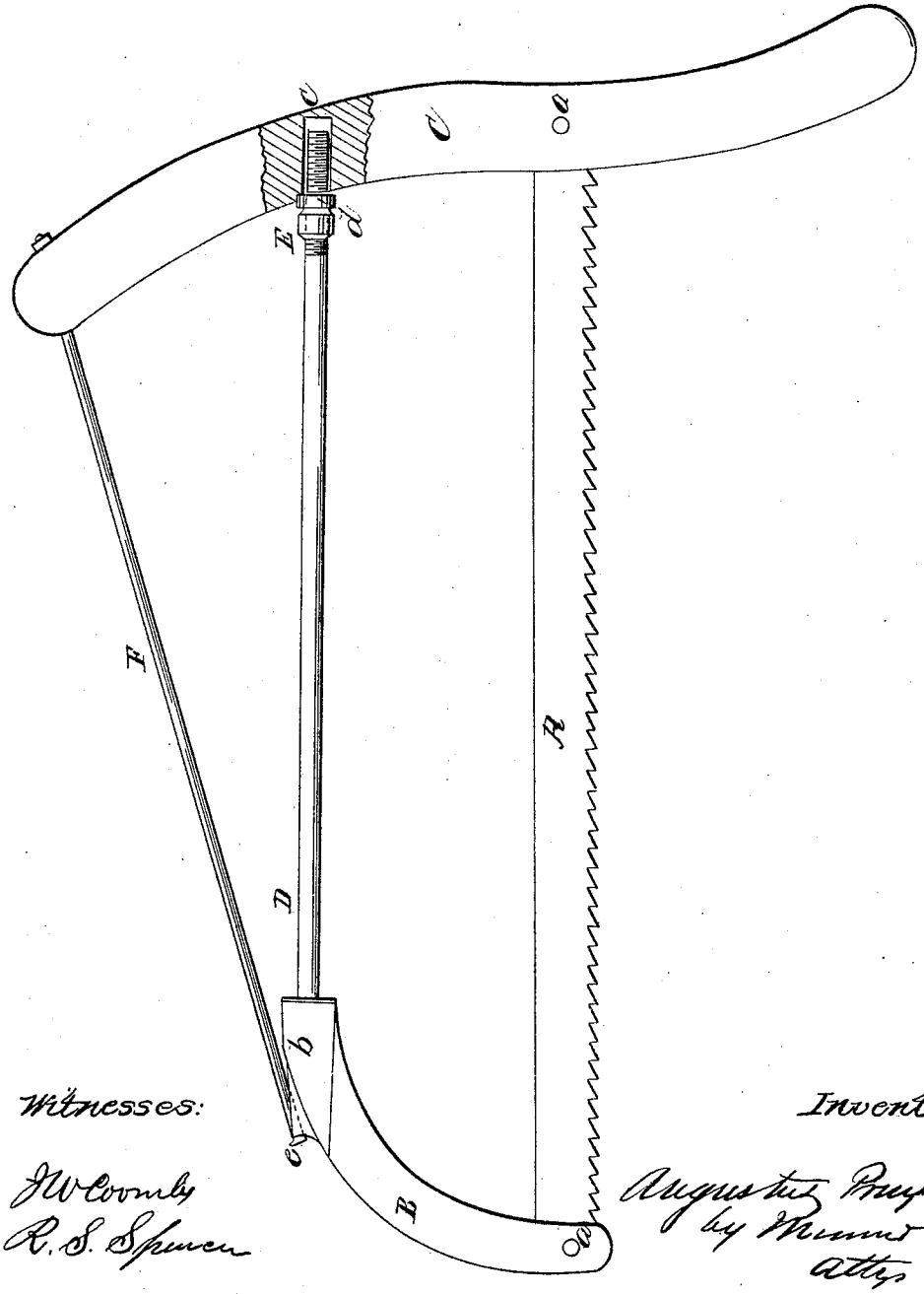
# A. Pruyn,

## Hand Saw.

No. 29,991. Patented Sep. 11, 1860.




Witnesses:

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# UNITED STATES PATENT OFFICE.

AUGUSTUS PRUYN, OF ALBANY, NEW YORK.

## IMPROVEMENT IN WOOD-SAWS.

Specification forming part of Letters Patent No. **29,991**, dated September 11, 1860.

*To all whom it may concern:*

Be it known that I, AUGUSTUS PRUYN, of Albany, in the county of Albany and State of New York, have invented a new and useful Improvement in the Construction of Handsaws, such as are strained in frames and commonly termed "Bucksaws;" and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawing, making a part of this specification, said drawing being a side view of my invention.

The object of this invention is to simplify and render the saws of the class above named far stiffer than usual, so that the frames will be light and still firm, prevented from racking, and the saw readily strained and kept in a properly-strained state.

The invention consists in having the outer end piece of the frame formed of metal, with a socket at its upper end, in which one end of a bar is fitted, the opposite end of the bar being provided with a screw, which is fitted within a recess at the center of the inner end piece of the frame and provided with a nut, the upper ends of the two end pieces being connected by a rod, and all arranged, as hereinafter described, to effect the desired end.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents the saw, which may be the same as those generally used in handsaws, which are fitted and strained in frames.

B is the outer and C the inner end piece of the saw-frame. The latter is of the ordinary shape and size and of the ordinary material—wood; but the former B is much shorter than usual, and is of metal. The saw A is attached to the end pieces B C at *a a*.

At the upper end of the end piece B there is a socket *b*, in which one end of a metal bar D is fitted, the opposite end of said bar being fitted in a recess *c* in the end piece C at about its center, the bar D being about parallel with the saw A.

The end of the bar D which enters the recess *c* has a screw-thread formed in it, and a nut E is fitted thereon, said nut bearing against a shoulder *d* on the bar, which shoulder is in contact with the inner side of the end piece C, as shown in the drawing.

The upper ends of the end pieces B C are connected by a metal rod F, the end of the rod which is fitted in the end piece B being provided with a head *e*, and said end of the rod slipped in a recess in the end piece B, the head *e* preventing the rod F from being withdrawn from the end piece B.

The saw A is strained by turning the nut E, and thereby pressing outward the end piece C. The bar D serves as the straining-bar, and being quite near the saw the latter is strained perfectly and a stiff, firm, light, and economical frame is obtained.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The arrangement of the short end piece B, long end piece C, straining-bar D, and rod F, substantially as shown, to form a frame for the saw A, and an improved article of manufacture, for the purposes specified.

AUGS. PRUYN.

Witnesses:
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