

(No Model.)

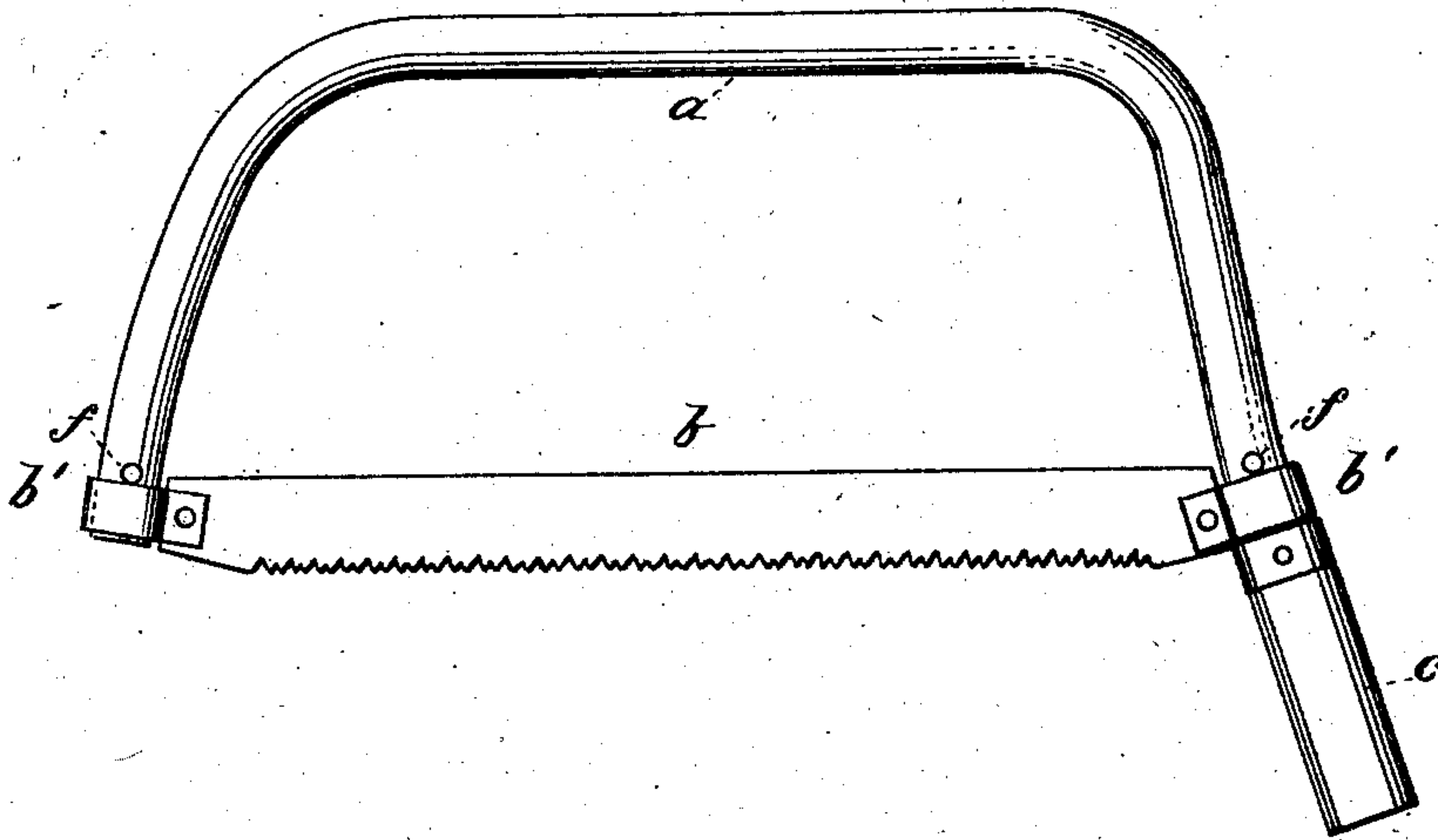
W. H. GRUBB.

BUCK SAW.

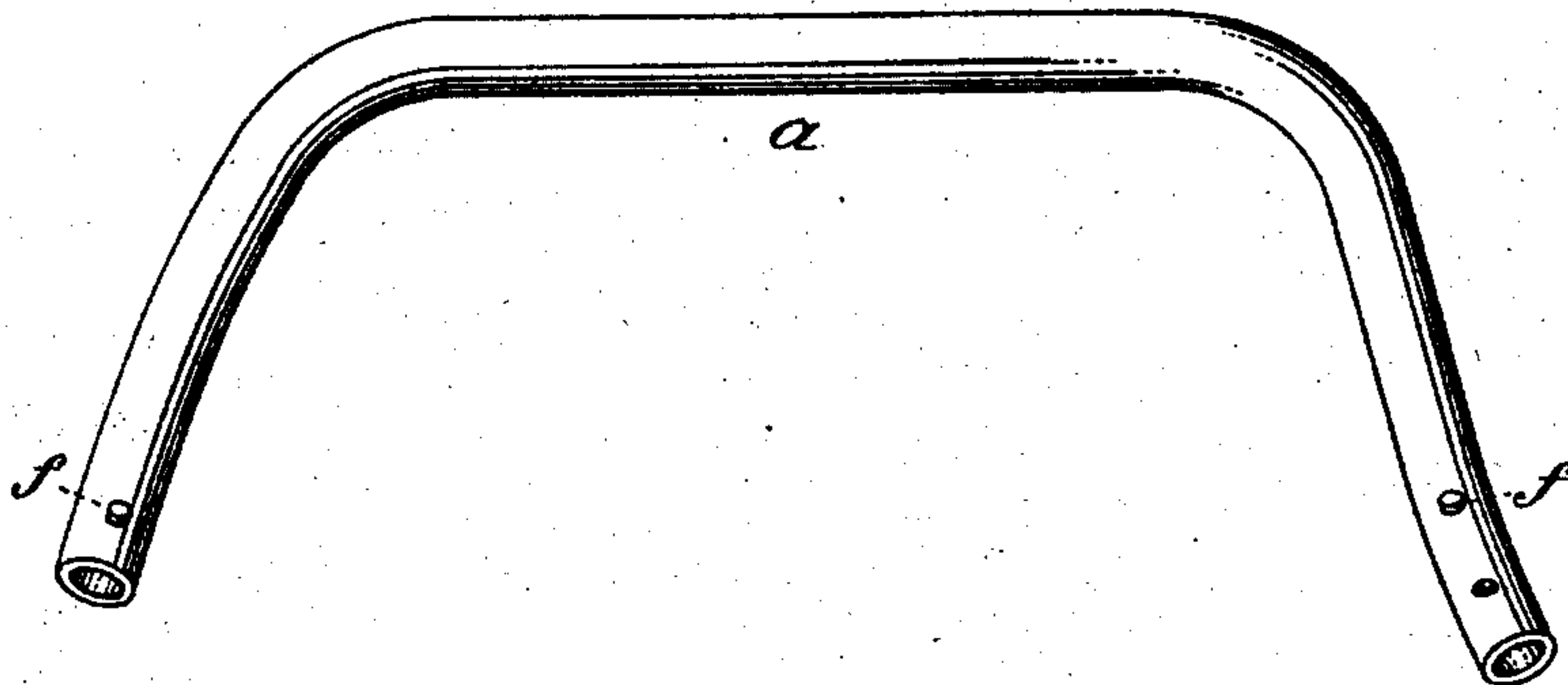
No. 290,042.

Patented Dec. 11, 1883.

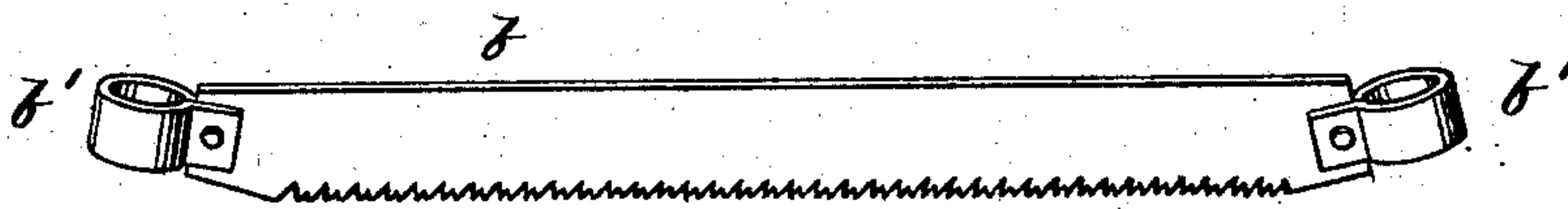
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES

*Villette Anderson.*  
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# UNITED STATES PATENT OFFICE.

WILLIAM H. GRUBB, OF HANNIBAL, MISSOURI.

## BUCK-SAW.

SPECIFICATION forming part of Letters Patent No. 290,042, dated December 11, 1883.

Application filed September 24, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, W. H. GRUBB, a citizen of the United States, residing at Hannibal, in the county of Marion and State of Missouri, have invented certain new and useful Improvements in Buck-Saws; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of this invention, and is a side view. Fig. 2 is a perspective view of the tubular frame. Fig. 3 is a perspective view, showing the rings on the saw-blade.

This invention has relation to saws; and it consists in the construction and novel arrangement of the saw-blade and saw-frame, as will be hereinafter fully described, and particularly pointed out in the claims appended.

Referring by letter to the accompanying drawings, *a* designates a spring-frame of tubular metal, bent to receive the saw-blade *b*, which is provided at each end with a loop, *b'*. The loops are slipped over the ends of the tubular frame, and a handle, *c*, is secured to one end of the frame in any suitable manner. This construction does away with the intermediate braces and the tension mechanism for regulating the blade. The blade can be

removed at any time for sharpening the saw-teeth and again sprung upon the tubular frame. Stop-bolts *f* are provided to prevent the loops from moving up on the frame, which is bow-shaped. Without the stop-bolts the blade would have a tendency to move up on the frame when in use.

The saw, having no intermediate braces, may be used to cut thicker timber than the ordinary saws, and it is cheaper, more simple, and more durable than those ordinarily used.

I am aware that it is not new to construct a saw-frame of tubular iron, the same having been bowed and the saw-blade secured to its arms by means of clips, and therefore do not claim such construction, broadly; but,

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

1. The combination, with a tubular bowed spring saw-frame, of a saw-blade having end loops sprung upon the saw-frame, substantially as specified.

2. A tubular spring saw-frame provided with stop-bolts near its ends, in combination with a saw-blade having loop ends slipped upon the saw-frame, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM H. GRUBB.

Witnesses:

H. K. LYON,

LLEWELLYN W. BOSWELL.