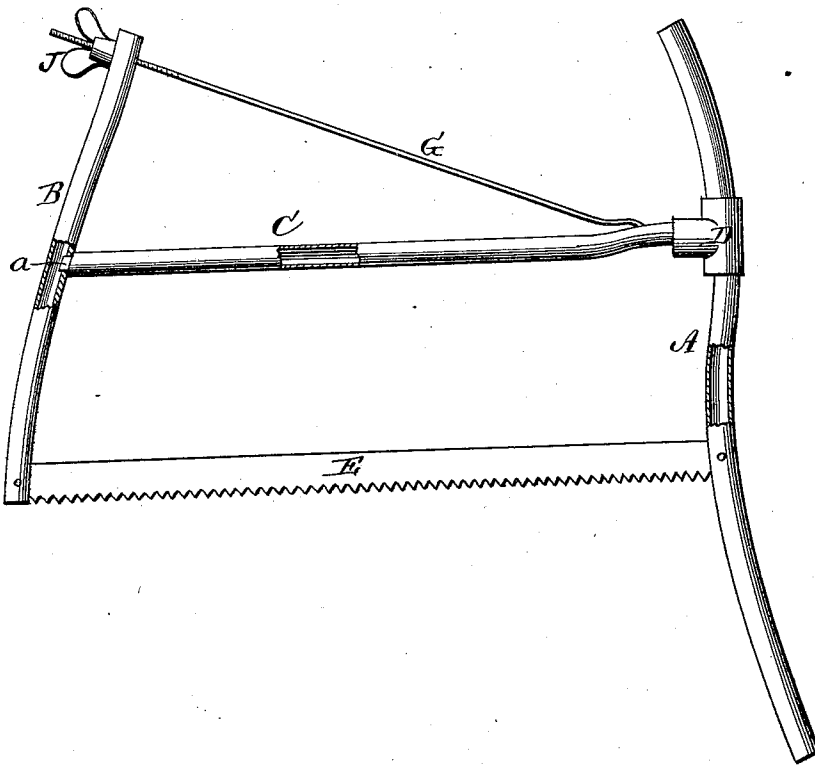


R. C. HAYTEN & B. F. POTTER.

BUCK-SAW FRAME.

No. 177,243.

Patented May 9, 1876.



WITNESSES

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# UNITED STATES PATENT OFFICE.

ROBERT C. HAYTEN AND BENJAMIN F. POTTER, OF YPSILANTI, MICHIGAN.

## IMPROVEMENT IN BUCK-SAW FRAMES.

Specification forming part of Letters Patent No. **177,243**, dated May 9, 1876; application filed March 20, 1876.

### *To all whom it may concern:*

Be it known that we, ROBERT C. HAYTEN and BENJAMIN F. POTTER, of Ypsilanti, in the county of Washtenaw and State of Michigan, have invented certain new and useful Improvements in Buck-Saw Frames; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

The nature of our invention consists in the construction and arrangement of a frame for buck-saws, as will be hereinafter more fully set forth.

In the annexed drawing, the figure is a side view, partly in section, of our invention.

Our improved frame for buck-saws is composed, essentially, of two end pieces, A and B, and a center piece, C, all made of gas-pipe or tubing. The end piece A may be made of two pieces of gas-pipe or tubing, united by a T-joint, D, and forming at its lower end the usual handle for this kind of saws; or this end piece may be made of a single tube, with the T-joint simply fastened thereon at the proper point to receive in its center arm the end of the center piece C, which is screwed therein, and made stationary with relation to said end piece A. The opposite end of the center piece C is formed with a tenon, *a*, which is inserted in a hole or slot in the end piece B. This latter piece is slotted at its lower end, and the end piece A is also slotted at a proper point to receive the ends of the saw-blade E, which are fastened in said slots. Into the tubular center piece C, near its stationary end, is hooked the end of a brace, G, which passes diagonally

to and through the upper end of the end piece B, and a thumb-nut, J, is screwed thereon, by which means it is easily and perfectly tightened, the end piece B only moving to the action of the thumb-nut.

By this arrangement of the brace the upper end of the end piece A is left free and open, so as to be employed as a handle, if it is desired to use both hands in manipulating the saw.

By constructing the frame entirely of gas-pipe or tubing, as described, the frame is made light and cheap, while at the same time it is strong and durable.

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

1. In a buck-saw frame, the brace G, extending from the inner end of the center piece to the upper end of the outer end piece, and tightened by a thumb-nut, so as to have the upper end of the handle perfectly free, substantially as and for the purposes herein set forth.

2. The combination of the end piece A with T-joint D, center piece C, fastened in said joint and formed with a tenon, *a*, at the opposite end, the end piece B, diagonal brace G, and thumb-nut J, all constructed substantially as and for the purposes herein set forth.

In testimony that we claim the foregoing as our own we affix our signatures in presence of two witnesses.

ROBERT C. HAYTEN.  
BENJ. F. POTTER.

Witnesses:

EDWARD P. ALLEN,  
T. C. OWEN.