

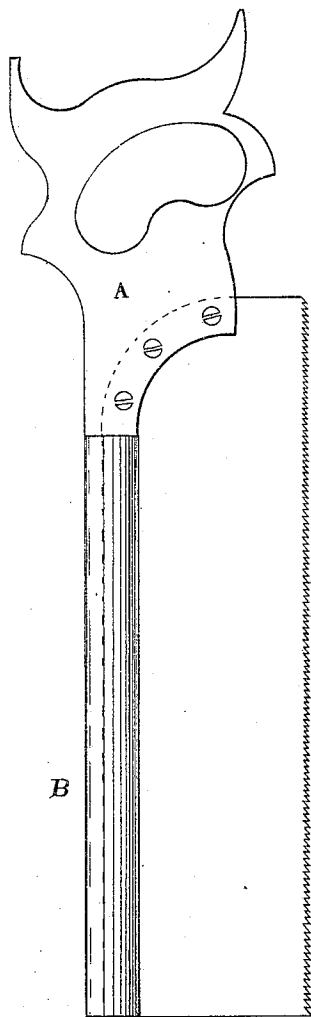
(No Model.)

J. R. WOODROUGH.

BACK SAW.

No. 252,571.

Patented Jan. 17, 1882.



WITNESSES

Chas Jacoby
Aratio V. Groll

INVENTOR

James R. Woodrough
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Atty

UNITED STATES PATENT OFFICE.

JAMES R. WOODROUGH, OF CINCINNATI, OHIO, ASSIGNOR TO WOODROUGH
& McPARLIN, OF SAME PLACE.

BACK-SAW.

SPECIFICATION forming part of Letters Patent No. 252,571, dated January 17, 1882.

Application filed October 18, 1881. (No model.)

To all whom it may concern:

Be it known that I, JAMES R. WOODROUGH, of the city of Cincinnati, county of Hamilton, State of Ohio, have invented certain new and
5 useful Improvements in Saws, of which the following is a specification.

The object of this invention is a light, cheap
10 tenon-saw; and it consists in making the saw-handle and blade-stiffening back in one piece, and in letting in the blade to snugly fit the
15 groove in the handle and back, as shown in the drawing, which is a side elevation of my improved saw and handle.

The handle A and back B are made of a single
15 piece of hard wood, which is dressed down to the proper thickness, cut out to the proper shape, and the groove to receive the saw made upon a frizzing or shaping machine, with a
20 small saw or grooving-tool arranged upon the mandrel to project beyond the clamping-collars the depth of the groove.

The inner curve of the handle is preferably
25 a plain curve, that the groove may be corresponding, made to conform to the upper rounded corner of the blade. After the groove is cut in the handle and back the blade-stiffener B is dressed down to about the form of the ordinary metal back and the handle rounded over upon the edges, as usual.

By my invention I am enabled to make my
30 handle and back and put the saw together at a less cost than is now required to make the plain handle alone, and thus save the cost of the metal back and the trouble of fitting it
35 into the handle; and being all in one piece makes the saw better and keeps the blade more truly in line with the handle. I prefer to make the blade and handle of wood, as it is light,
40 cheap, and more pleasant to the hand; but the handle and back may also be made of one piece of metal.

I claim—

1. A tenon-saw constructed with a handle and narrow stiffening-back made of a single
45 piece, the grooved edge of the stiffening-back meeting the grooved edge of the handle in a curve, substantially as before set forth.

2. The combination, substantially as before
50 set forth, of the integral handle and narrow stiffening back, the blade-retaining edges of which meet in a curve and have a continuous groove of uniform depth, and the saw-blade, the back and handle end of which meet in a
corresponding curve to fit said groove.

JAMES R. WOODROUGH.

Witnesses:

LOUIS DUHME,
GEO. J. MURRAY.