(No Model.)

# M. BARRICK.

## HANDSAW.

No. 344,234. Patented June 22, 1886.

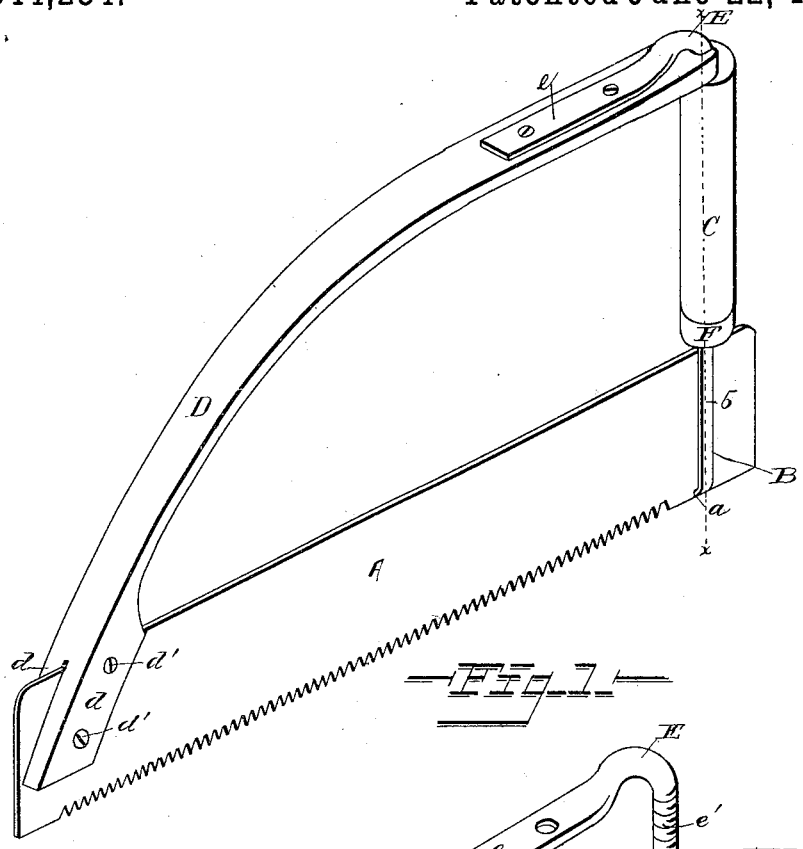


Fig. 1.

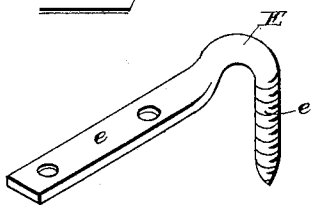


Fig. 4.

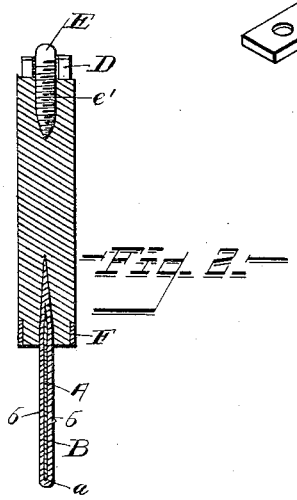


Fig. 2.

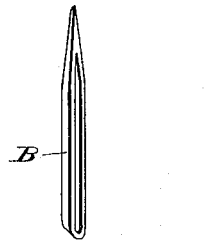


Fig. 3.

Witnesses.
James McGilton
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# UNITED STATES PATENT OFFICE.

MARTIN BARRICK, OF NOVA, OHIO.

## HANDSAW.

SPECIFICATION forming part of Letters Patent No. 344,234, dated June 22, 1886.

Application filed March 17, 1886. Serial No. 195,567. (No model.)

*To all whom it may concern:*

Be it known that I, MARTIN BARRICK, a citizen of the United States, residing at Nova, in the county of Ashland and State of Ohio, have invented a new and useful Improvement in Saws, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to improvements in saws; and it consists of the peculiar and novel construction and combination of parts, substantially as hereinafter fully set forth, and particularly pointed out in the claim.

The object of my invention is to provide an improved crosscut-saw which shall be very simple and strong in its construction and cheap and inexpensive of manufacture, which shall also be very light in its construction, so that it can be conveniently operated by one man, and to provide improved fastening devices for rigidly and firmly connecting the saw handle, frame, and blade together.

In the accompanying drawings, Figure 1 is a perspective view of my improved saw, and Fig. 2 is a vertical sectional view on the line *x x* of Fig. 1. Fig. 3 is a detailed detached view of a part of my invention. Fig. 4 is a detached perspective view of the angle-plate for connecting the saw-frame and one end of the handle thereof together.

Referring to the drawings, in which like letters of reference indicate corresponding parts in all the figures, A designates the blade of my improved saw, which is of the ordinary form, and provided at its heel with a notch or seat, *a*, therein for the reception of the lower end of a strap-loop, B, which is rigidly secured in the handle C of the saw-frame D. This frame D comprises a single bar of wood or metal, which is arranged longitudinally of the saw-blade and curved as shown in Fig. 1, the front lower end thereof being slotted or bifurcated to provide two arms, *d*, which embrace the front end of the saw-blade, and are rigidly secured thereto by means of screws or bolts *d'*.

E designates the angle-plate for rigidly and securely connecting the rear upper end of the frame D and the upper end of the handle, which is shown very clearly in the detail view, Fig. 4. This angle-plate comprises two arms, *e* and *e'*, which are arranged at substantially right angles to each other and formed in a single piece of metal. The arm *e* is made flat or rectangular in cross-section, and bears on the upper face or edges of the rear upper end of the frame D, to which it is rigidly and firmly secured by screws or the like, as shown very clearly in Fig. 1, and the arm *e'* is circular in cross section and threaded exteriorily, so that it can be easily and quickly screwed into the upper end of the handle C, the lower end of the said arm *e'* being tapered or pointed to facilitate the entrance of the arm into the handle.

In connecting the frame and handle together the arm *e'* is first screwed into the upper end of the handle to the required distance, and the angle-plate is turned or adjusted so that the arm *e* bears on the upper rear end of the handle, to which it is secured by screws, as hereinbefore described.

The strap-loop B comprises two flat arms, *b*, that are arranged parallel with each other and connected at their free ends, which rest in the seat *a* of the saw-blade, the said arms of the loop bearing against opposite faces of the blade A, and welded or connected together at the ends that enter the handle C. The welded ends of the strap-loop are driven very firmly into the handle, and the lower end thereof receives a ferrule or ring, F, that fits on a reduced end of the handle, to prevent the same from splitting when the strap-loop is driven therein.

It will thus be seen from the foregoing description, taken in connection with the drawings, that I provide a saw which is very simple and strong in construction, cheap and inexpensive of manufacture, and that the various parts thereof are quickly and readily put together. The handle, frame, and blade that comprise the saw are very firmly and rigidly secured together, and the parts are in no danger of coming apart or separated so as to render the connections loose, which is very objectionable.

The saw can be easily operated by one man, and it can also be worked upon logs which are arranged at an incline.

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

A saw comprising a handle, C, a blade hav-

ing a notch, *a*, in its lower edge and near one end thereof, a strap-loop, B, secured in one end of the handle and fitting over the blade and within the notch thereof, a frame, as D, secured directly to one end of the blade, and an angle-plate, E, having one arm, *e*, secured to the upper rear end of the frame, and the other arm, *e'*, secured in the upper end of the handle, substantially as described, for the purpose set forth.

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

MARTIN BARRICK.

Witnesses:
HENRY SUMMERS,
RACHEL SUMMERS.