H. DISSTON.

SAW-BUCK.

No. 169,343. Patented Nov. 2, 1875.

FIG. 1.

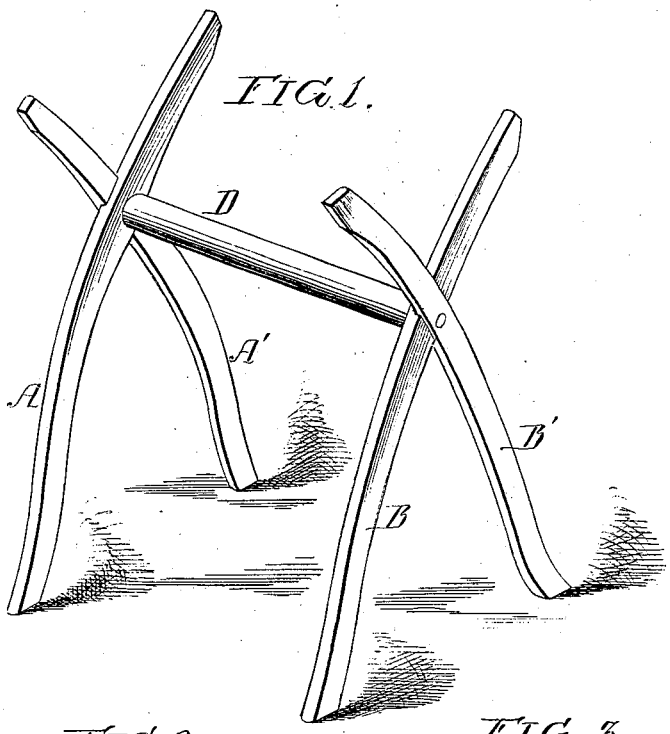


FIG. 2.

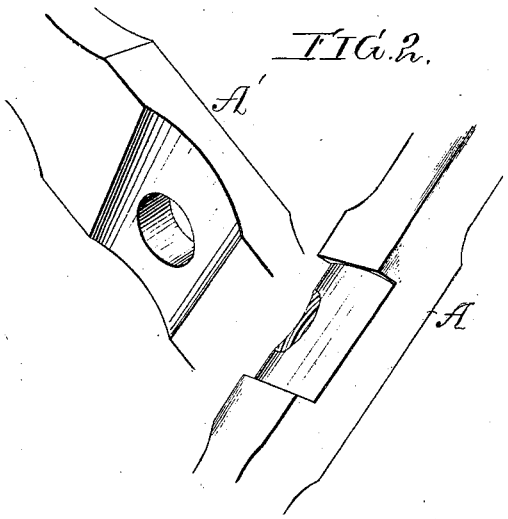
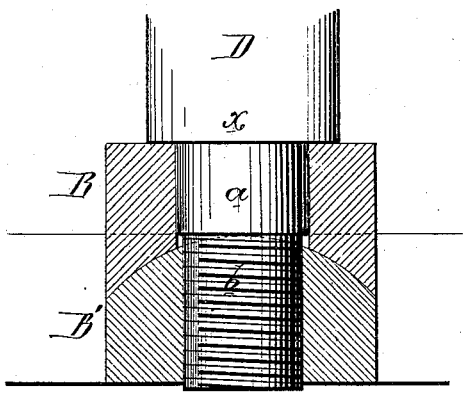


FIG. 3.



Witnesses,
Hubert Howson
Harry Smith

Inventor:
Henry Disston
by his Attys
Howson and Sons

UNITED STATES PATENT OFFICE.

HENRY DISSTON, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN SAW-BUCKS.

Specification forming part of Letters Patent No. **169,343**, dated November 2, 1875; application filed October 22, 1874.

To all whom it may concern:

Be it known that I, HENRY DISSTON, of Philadelphia, Pennsylvania, have invented an Improvement in Saw-Buck, of which the following is a specification:

The object of my invention is to make cheap and substantial saw-bucks, which can be readily taken apart and packed in a small compass for transportation and storage, and as readily put together; and this object I attain in the manner which I will now proceed to describe, reference being had to the accompanying drawing, in which—

Figure 1 is a perspective view of my improved saw-buck; Fig. 2, a perspective view of the legs where they are fitted together; and Fig. 3 a sectional view, showing the manner of securing the legs of the buck together and to the cross-bar.

The saw-buck consists of the two legs A and A′, and two similar legs, B and B′, the two pairs of legs being connected together by the bar D, and the legs being extended above this connection, as usual, so as to form a proper lodgment for the log to be sawed. The two legs of each pair are not halved together in the ordinary manner—that is, by making a rectangular recess in each leg, where the two cross each other; for these recesses, having abrupt corners, tend to seriously weaken the legs—a difficulty which I obviate by rounding the bottom of the recess in one leg A and making a concave recess in the leg A′, as shown in Fig. 2. The leg A is not materially weakened by its recess, nor is the leg A′ weakened, as its recess presents no abrupt corners to induce a fracture. The connecting-bar D is reduced in diameter at each end, where it passes through the two legs, and the portion thus reduced in diameter is made plain at *a*, to fit snugly in the opening of the inner leg B, and is threaded at *b* to accord with an internal thread in the opening of the outer leg B′, as shown in Fig. 3, the plain portion *a* being so restricted in length that it cannot, under any circumstances, reach the said outer leg B′.

In putting the above-described saw-buck together, two legs are first properly fitted to each other, and then one end of the bar D is passed through the plain opening in the inside leg, and screwed into the threaded opening of the outer leg, so that the shoulder *x* on the bar D shall bear against the inside of the inner leg, when the tighter the bar is screwed the more firmly will the two legs be secured to each other and to the bar, the opposite end of which is connected to the other pair of legs in a similar manner.

I claim as my invention—

The combination, in a saw-buck, of recessed legs A A′, and a connecting-bar, D, having at each end a shoulder, *x*, and a cylindrical projection plain at *a*, where it passes through the inner leg, and threaded at *b*, where it passes through the outer leg, all as and for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HENRY DISSTON.

Witnesses:

WM. H. WRIGHT,

E. B. AUSTEN.