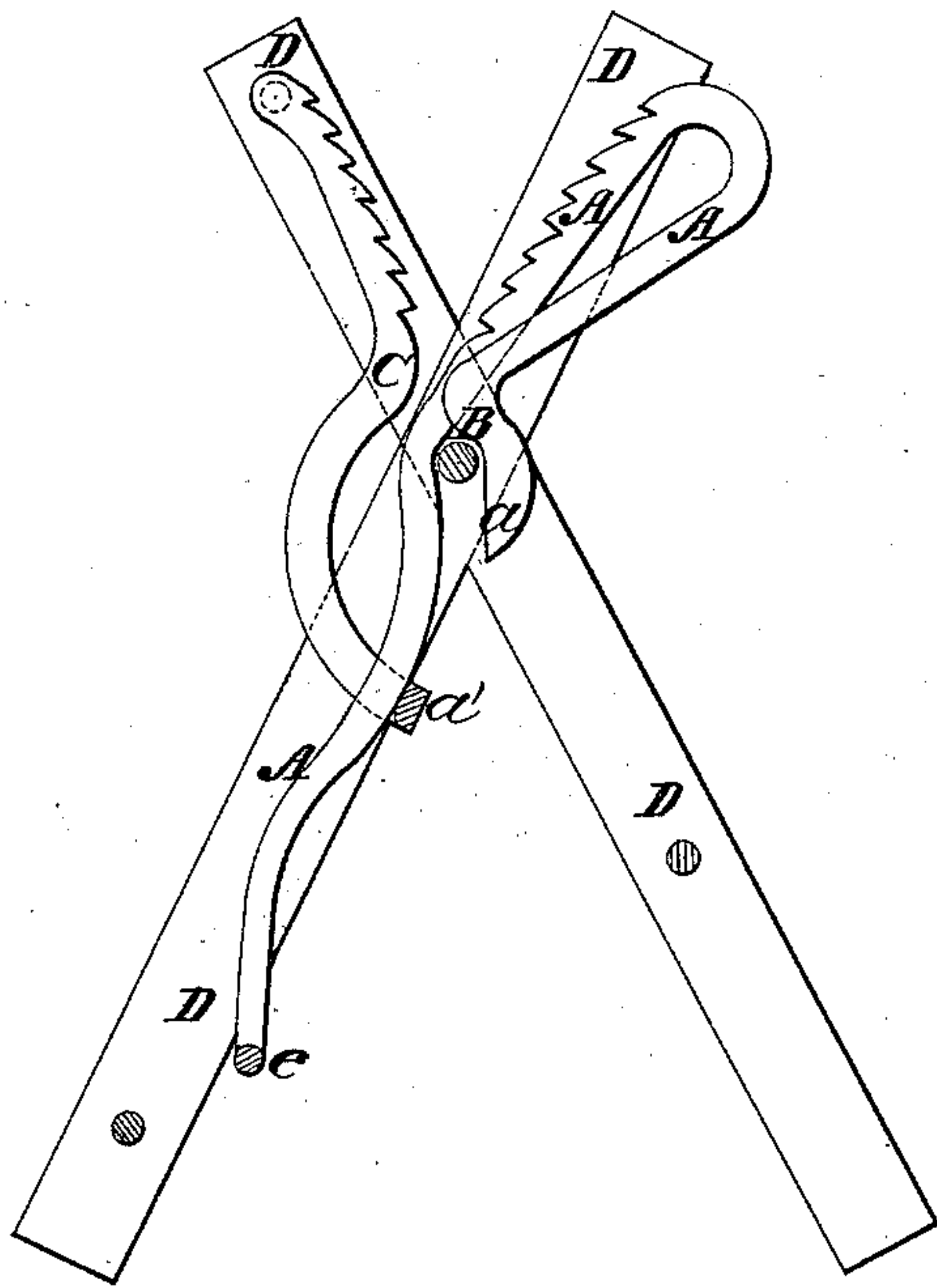


F. W. Mansfield,

Saw Buck,

No 78,750,

Patented June 9, 1868.



Witnesses:
W. C. Aslibetter
J. Fraser.

Inventor:
F. W. Mansfield
per. Mumf. & Co.
attorneys.

United States Patent Office.

FREDERIC W. MANSFIELD, OF FITCHBURG, MASSACHUSETTS, ASSIGNOR TO
HIMSELF AND H. C. HITCHCOCK, OF SAME PLACE.

Letters Patent No. 78,750, dated June 9, 1868.

IMPROVEMENT IN SAW-HORSES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, FREDERIC W. MANSFIELD, of Fitchburg, in the county of Worcester, and State of Massachusetts, have invented a new and improved Clamp-Attachment to Saw-Horses, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and improved method of constructing portable clamps for holding wood firmly upon a saw-horse or bench, whereby wood may be sawed or cut with less fatigue to the operator.

The drawing represents a central vertical section of my invention attached to a saw-horse.

The clamp is composed of two bent metallic levers, A and C, upon each side of a saw-horse, D, as shown in the drawing.

The levers A are bent in the form as shown in the drawing, the longer arms of the same being joined together by a rod, *e*, within convenient reach of the foot of the operator.

The shorter arms of the levers A are so formed or weighted as to be heavier than the longer arms of the same.

Upon the back side of each of said levers A is a projection, *a*, which, together with the longer arms of said levers A, form crotches, by means of which said levers A are held upon the cross-round B of any saw-horse, D, the said round, B, serving as the fulcrum of the levers A.

The levers C are pivoted to the top and front of the saw-horse D, one upon each side, are bent in the form as shown, and are furnished at the lower end of the same with the projection *a'*, the projection *a'* on one of the levers C facing towards the projection *a'* on the other lever C.

Upon the projection *a'* the longer arms of the levers A rest, as shown, in such a manner that by forcing the longer arm of the levers A downward and backward with the foot, the faces of the short arms of the levers A, and the faces of the levers C, will approach each other.

The inner edges of the levers A and C, above the round, B, are corrugated or formed with teeth, as shown in the drawing.

The levers C are pivoted to the upper end and front of the saw-horse D, as shown, by projections formed upon the same, in such a manner that said levers C may be easily at any time removed.

The operation is such, that by placing the wood upon the saw-horse D, so furnished with a clamp as above described, by the operator pressing with the foot upon the rod *e*, the toothed jaws formed by the levers A and C will fasten upon and hold the wood firmly upon the horse D, said jaws opening by their own weight when the foot of the operator is removed.

I claim as new, and desire to secure by Letters Patent—

The construction of the curved serrated levers A C, composing the clamp-attachment, when arranged and adapted to be applied to a saw-horse, in the manner and for the purpose herein shown and described.

FREDERIC W. MANSFIELD.

Witnesses:

C. H. DAMON,

DAVID WITHEREL.