

J. B. Van Horn,
Wood Clamp.
N^o 79,530. Patented June 30, 1868.

Fig. 1.

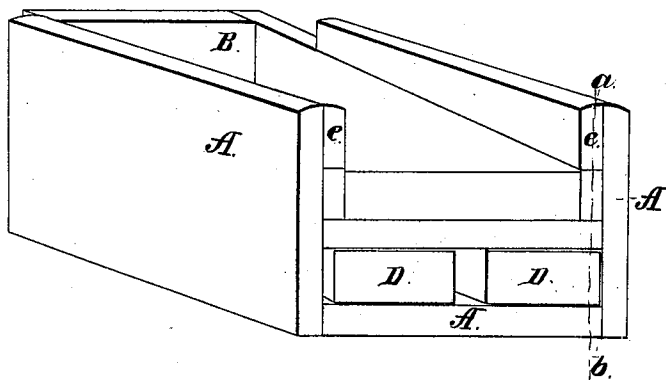
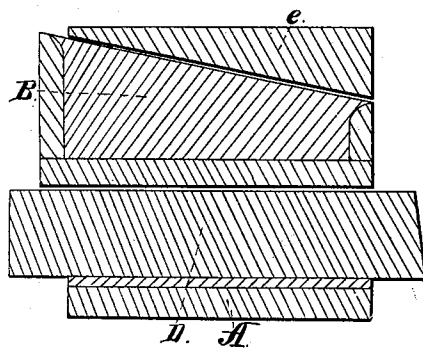


Fig. 2.



Witnesses:
R. S. Turner.
Geo. H. Read.

Inventor:
J. B. Van Horn
By C. J. Witney

United States Patent Office.

JOHN B. VAN HORN, OF TRENTON, NEW JERSEY.

Letters Patent No. 79,530, dated June 30, 1868.

IMPROVEMENT IN CLAMPS FOR WOOD-BENDING MACHINES.

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

TO WHOM IT MAY CONCERN:

Be it known that I, JOHN B. VAN HORN, of Trenton, in Mercer county, and State of New Jersey, have invented new and useful Improvements in "Clamps" to be Used in Bending Carriage-Bows, Felloes, and other purposes; and I hereby declare the following to be a full and exact description of the same, reference being had to the drawings that accompany and form a part of these specifications.

The object of my invention is to provide a clamp to be used in bending bows, felloes, springs, and like purposes, that can be operated much quicker than any now in use.

Figure 1, perspective view, showing my clamp with section of a bow as held by my device.

Figure, 2, sectional or side view, on line *a b*, showing the different parts.

Letter A, clamp, with flange *e* on each inner side. These flanges are cut at an angle on the under side, forming a wedge-like surface, as shown in fig. 2.

Letter B, wedge, being straight on the side coming against the wood or article to be held, and the other being an inclined plane, operating against the flange *e*, as shown in the drawings. This wedge B is constructed with a recessed top, which furnishes a convenient hand-hold, and by means of which the wedge can readily be inserted and withdrawn when the clamp is used for ordinary purposes, without the assistance of a hammer or any other tool.

Letter D represents the ends of carriage-bows or other article to be held.

These clamps may be made of metal or wood, as may seem desirable, and in accordance with the work they are to be applied to. For carriage-bows, felloes, &c., they may be made fast to the frame or set, and crowding the wedge in by the hand will oftentimes be all that is required, or a blow from a hammer or mallet will drive the wedge home.

It will be readily seen that for the above-described purposes my device is more easily and quickly adjusted than those provided with bolt and screw.

What I claim, and desire to secure by Letters Patent, is—

The clamp A, having angular flanges *e e*, in combination with the wedge B, when the same is constructed as described, and the whole operated substantially as described and for the purpose specified.

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

JOHN B. VAN HORN.

Witnesses:

LEWIS PARKER, Jr.,
RANDOLPH JAY.