

S. C. Bradley,

Clamp.

No. 99,826,

Patented Feb. 15. 1870.

Fig. 1

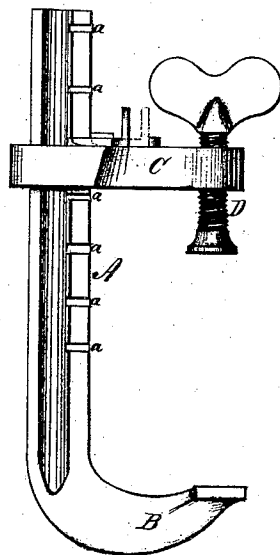


Fig. 2

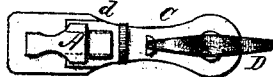


Fig. 3



Witnesses
J. H. Shumway
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By Attorney

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SAMUEL C. BRADLEY, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO HIMSELF AND CHARLES E. THOMPSON & CO., OF SAME PLACE.

Letters Patent No. 99,826, dated February 15, 1870.

IMPROVEMENT IN CLAMPS.

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, SAMUEL C. BRADLEY, of New Haven, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Joiners' Clamp; and I do hereby declare the following, when taken in connection with the accompanying drawing, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent in

Figure 1, a side view,

Figure 2, a top view, the movable arm locked in position, and in

Figure 3, a top view, the movable arm released, so as to be adjusted.

This invention relates to an improvement in clamp for joiners' use, the object being to make the arm, in which the binding screw is set, adjustable, so as to shorten the screw from the common construction. To this end,

My invention consists in arranging upon the adjustable arm a slide, and constructing the beam with grooves, so that the said slide, when the arm is adjusted to a position corresponding to one of the notches, may be set into such notch and firmly hold the arm in position.

A is the beam, constructed with a fixed arm, B, and upon the sides of the beam grooves *a* are formed.

Over the beam an adjustable arm, C, is arranged, to slide freely on the beam, and into the outer end of the arm a binding screw, D, is set.

On the arm C a slide, *d*, is arranged, so as to be set into any one of the grooves, as in figs. 1 and 2, when the arm is adjusted, so as to bring the slide into position, that it may be set into one of the grooves, and when so set, as in figs. 1 and 2, the arm is firmly held.

To adjust the arm, draw out the slide, as denoted in broken lines, fig. 1, and as also shown in fig. 3, and move the arm C to or from the fixed arm B to the desired position, and return the slide into a corresponding notch.

By this construction, the arm may be quickly moved to any position, and the clamp set upon the work without the necessity of running the screw to any great length out or in, as in clamps of common construction.

I am aware that clamps have been constructed with adjustable arms, I therefore do not wish to be understood as claiming such construction; but

I do claim—

A clamp, composed of the beam A, constructed with the fixed arm B and grooves *a*, in combination with the adjustable arm C, having the slide *d* arranged thereon, and operating in the manner described.

SAMUEL C. BRADLEY.

Witnesses:

A. J. TIBBITS,
J. H. SHUMWAY.