

H. C. Hoover; Carriage Bow Setter.

Nº 75,916

Patented Mar. 24. 1868.

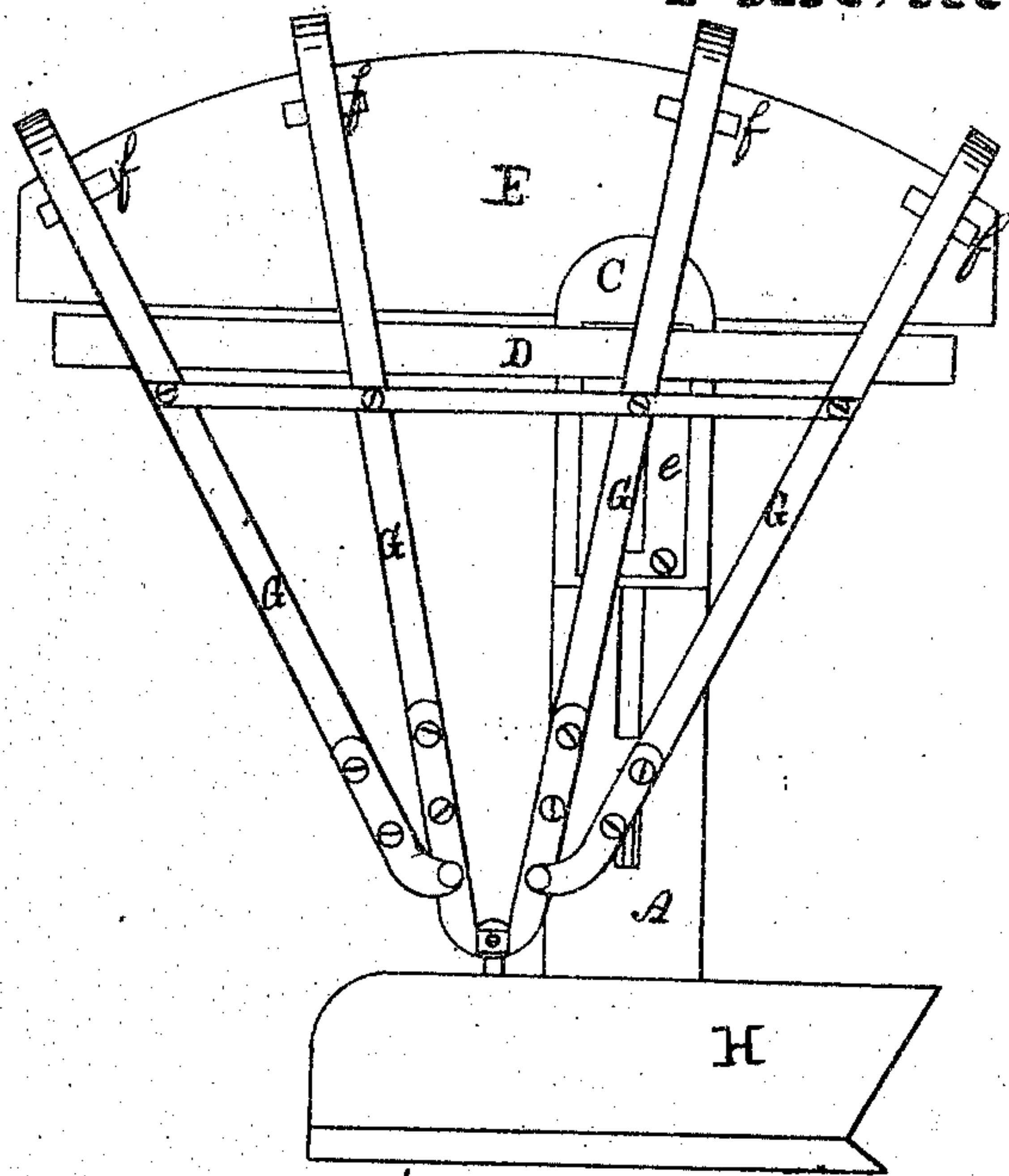


Fig. 1.

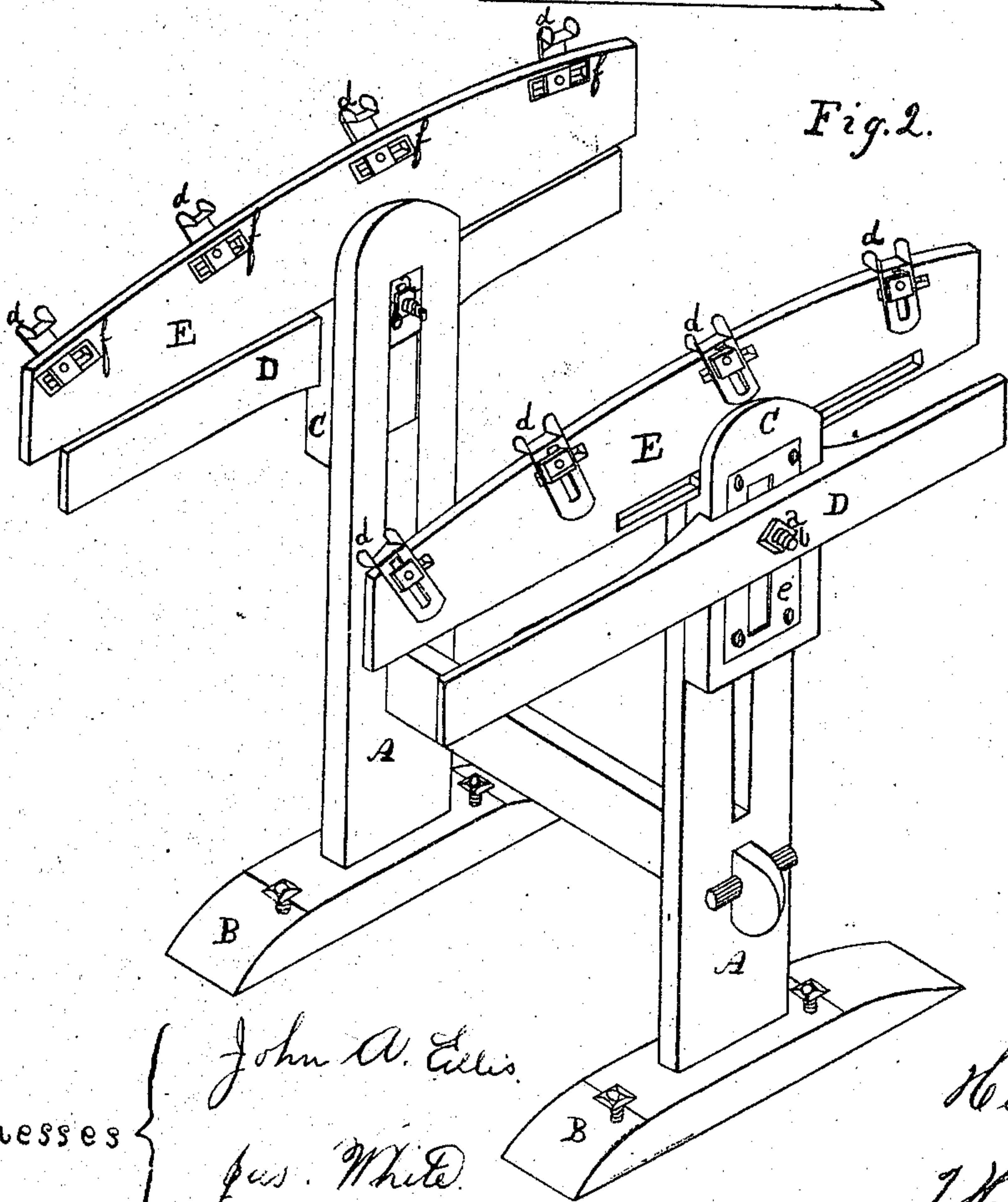


Fig. 2.

Inventor

Henry C. Hoover

Per
J. H. Alexander & Co
Attys

Witnesses {

John A. Ellis.

Geo. White.

United States Patent Office.

HENRY C. HOOVER, OF GREEN CASTLE, PENNSYLVANIA.

Letters Patent No. 75,916, dated March 24, 1868.

IMPROVEMENT IN CARRIAGE-BOW SETTERS.

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, HENRY C. HOOVER, of Green Castle, in the county of Franklin, and State of Pennsylvania, have invented certain new and useful Improvements in Carriage-Bow Setters; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, in which—

Figure 1 is a side elevation of my machine, showing, also, its position and relation to the carriage-bows when in actual use.

Figure 2 is a perspective view of the machine itself.

To enable others skilled in the art to make and use my invention, I will now describe its construction and operation.

A A represent uprights secured to the foot-pieces or sills B B. These uprights are provided with an elongated slot, as shown in fig. 2. C C are sliding blocks, each with a tongue formed upon its inner side to fit in the slots just referred to. The object of these tongues is to serve as guides to the blocks C C, and also to keep them perfectly true and free from lateral motion. The face of blocks C C is provided with a vertical slot, as represented in the drawings. D D are sliding-gauge bars, which are connected to block C C by means of bolt *a* and nut *b*. The head of this bolt slides between the slotted piece of metal *c* and slide C, as partly illustrated in fig. 2.

E E represent two sliding boards, with grooves in them, as seen at *x*, fig. 2. The inner top portion of sliding blocks C C should be cut away, leaving a transverse tongue, as partly seen in fig. 2. The boards E E are confined between the blocks C C and the uprights A A, with the tongues resting in the grooves, thus allowing the boards E E to slide to the right or left. *d d* represent slotted metal supports or holders. These holders are provided with projections or ears, in order more effectually to retain the carriage-bows G G in their proper places during the operation of setting them. The boards E E are provided with slots, *f f*, and the holders *d d* are secured to said boards, by means of screw-bolts passing through the slots, both in the boards and holders. The bolts are furnished with nuts, to enable the holders to be adjusted to the angle or elevation of the bows.

Thus it will be seen that this machine, though perfectly simple in its construction and arrangement, yet possesses every feature necessary in the operation of setting or adjusting carriage-bows.

By means of the gauge-bars D D, the quarter-bars can be accurately adjusted, while the sliding boards E E, with the holders *d d*, enable the operative to give any inclination or elevation to the bows which may be desirable. The machine, when in use, is secured to the seat H, by means of screws or clamps.

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

1. The sliding boards E E, as and for the purpose set forth.
2. The slotted holders *d d*, in combination with sliding boards E E, substantially as described.
3. The block C C, in combination with boards E E, substantially in the manner specified.
4. The gauge-bars D D, substantially as set forth; and
5. The combination of sliding blocks C C, boards E E, holders *d d*, and bars D D, all arranged as described.

In testimony that I claim the foregoing as my own, I affix my signature in the presence of two witnesses.

HENRY C. HOOVER,

Witnesses:

C. ALEXANDER,
JNO. A. ELLIS.