

A. N. WESTGATE.

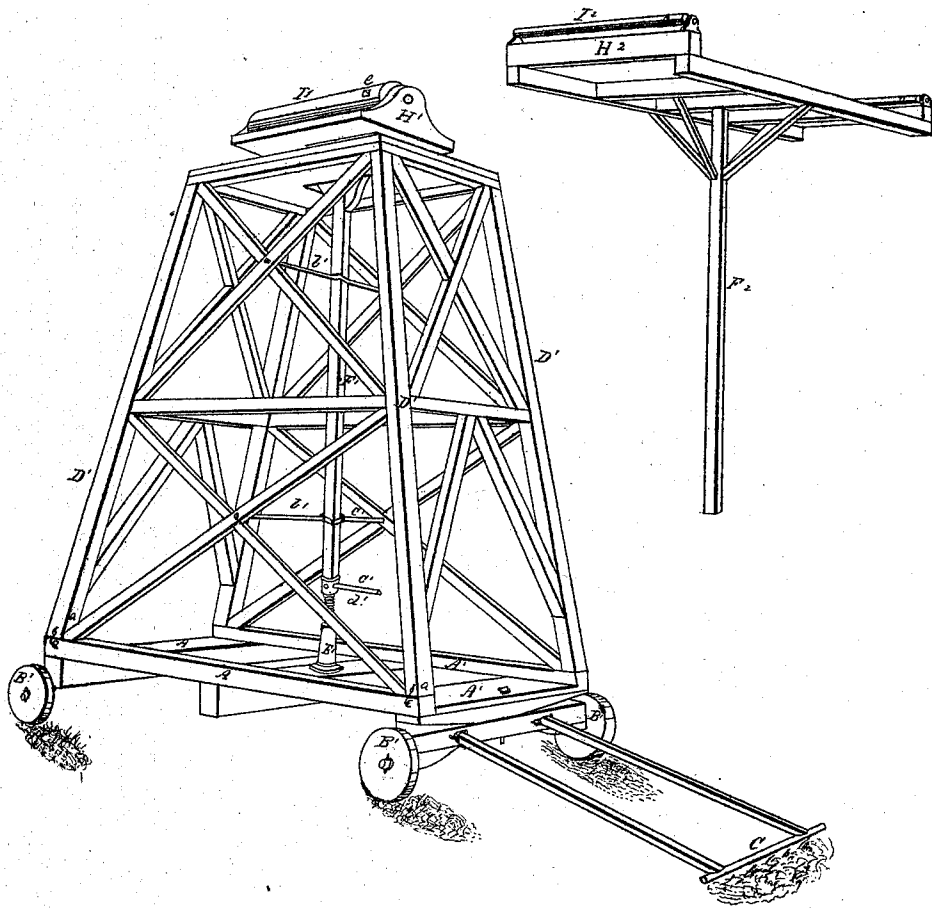
Improvement in Beam Adjusting-Scaffolds.

No. 131,920.

Patented Oct. 1, 1872.

Fig. 1.

Fig. 2.



Witnesses

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ABIAL N. WESTGATE, OF ACUSHNET, MASSACHUSETTS.

IMPROVEMENT IN BEAM-ADJUSTING SCAFFOLDS.

Specification forming part of Letters Patent No. 131,920, dated October 1, 1872.

To all whom it may concern:

Be it known that I, ABIAL N. WESTGATE, of Acushnet, in the county of Bristol and State of Massachusetts, have invented certain Improvements in Beam-Adjusting Machines, of which the following is a specification:

My invention relates to the combination of carriage and horse, for the purpose of transporting the beam to its position over the wall on which it is to rest. The jack-screw and standard are for elevating the beam above the wall of the building, and also for settling it onto the wall when in position. The roll on the top of the standard is for adjusting the beam endwise. The frame on the standard is to support the beam horizontally.

Figure 1 is a perspective view embodying the devices of my invention. Fig. 2 is a view of the standard removed from Fig. 1.

A' A' A' is the frame of the carriage, which should be constructed of strong timber, and should be about six feet square. B' B' B' are wheels, which should be constructed of strong material, and should be about one foot in diameter. C' are thills. D' D' D' is a horse or frame secured to the frame of the carriage with hooks a' a'. This horse should also be made of strong timber, and should be well braced. E' is a jack-screw, which rests on the center of the carriage. d' is a bar for rotating the screw. F' is a standard resting in a socket in the end of the screw. H' is a frame secured to the standard. I' is a roll hung in frame H'. e' is a hole through the roll for the adjusting-bar, which bar is also used to bar one of the rolls when two beam-adjusters are used in the adjusting of one beam. The standard F' may

be made round and may revolve in guides b' b', &c.

Operation.

The beam-adjuster herein described, being constructed as herein specified, its operation may be noted. The carriage with horse attached on it, as herein shown, is placed on the floor of the building inside of the walls, the beam to be placed in position is hoisted by means of a derrick standing on the ground outside of the wall, and placed transversely across the frame and roll on the top of the standard, which frame, roll, and standard are supported by the jack-screw. The carriage, with beam supported on the roll and frame a few inches higher than the wall, being drawn to the opposite end of the building, and adjusted endwise to the desired position by the roll in the frame of the standard, is settled to the wall or to its columns by turning down the jack-screw. When large beams are to be handled two beam-adjusters may be used. Thus, by this device, massive beams may be quickly and accurately placed on the walls of buildings, as will be observed without further specification.

I make no claim to the devices of the beam-adjuster, separately considered; but I claim—

The combination of carriage A', horse D', frame H', and roll I', as herein set forth and described, for the purpose specified.

ABIAL N. WESTGATE.

Witnesses:

JNO. DAVIS,
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