

J. R. FITZHUGH.
HAY ELEVATOR.

No. 181,515.

Patented Aug. 22, 1876.

Fig. 1.

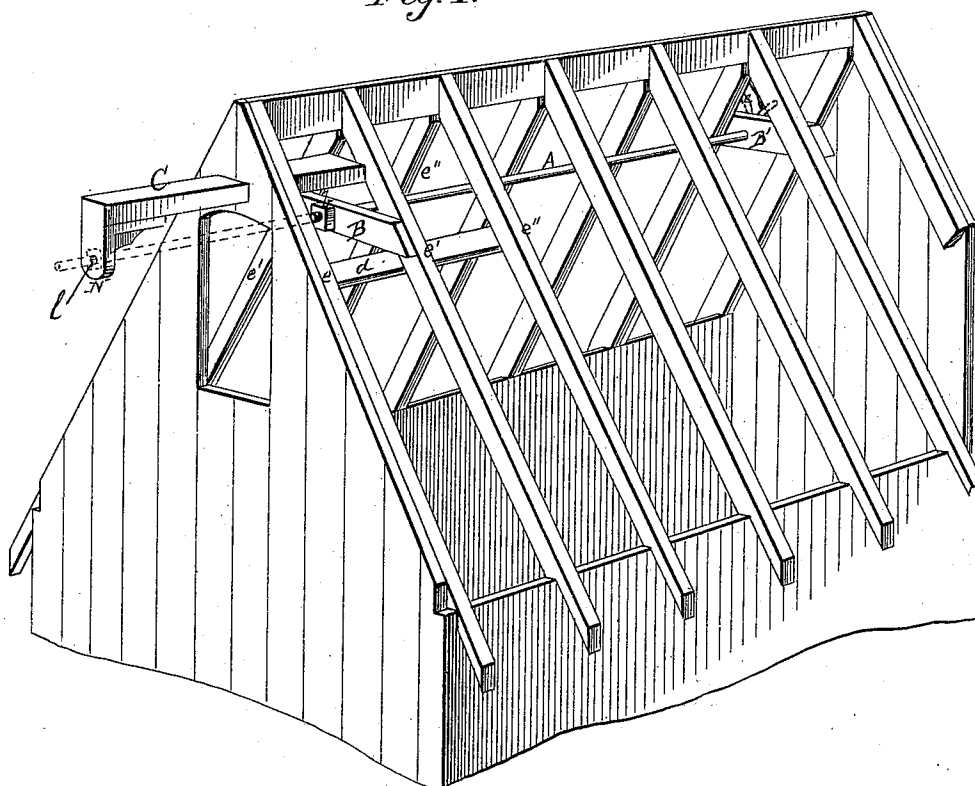
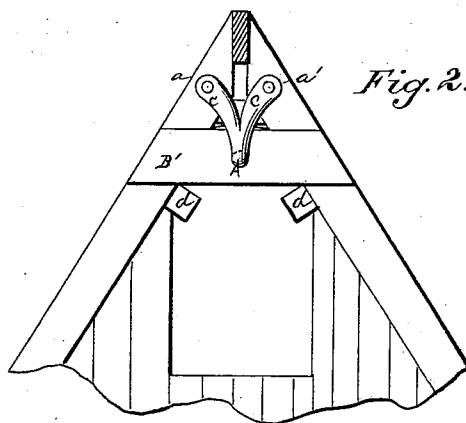


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

JACOB R. FITZHUGH, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN HAY-ELEVATORS.

Specification forming part of Letters Patent No. 181,515, dated August 22, 1876; application filed August 16, 1876.

To all whom it may concern:

Be it known that I, JACOB R. FITZHUGH, of Philadelphia, in the State of Pennsylvania, have invented a new and Improved Track for the Carriages of Hay-Elevators; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view, showing how the track is laid in a barn. Fig. 2 is a cross-section, showing one means of mounting the track so as to keep it from turning.

My invention relates to hay-elevators; and it consists in the method of mounting the track on which the carriage travels, as hereinafter set forth.

In order that those skilled in the art may make and use my invention I will proceed to describe the manner in which I have carried it out.

In the said drawings, A represents the bar or rod, which forms the track on which the elevator-carriage travels, and B B' cross-bars or braces, which are firmly attached to the rafters of the roof. The bar A is passed through the cross-bars B B', and has one end bifurcated, forming two prongs, *c c*, which are secured to the rafters at *a a'*. The other end is fastened by means of a screw-thread and

nut, *b*. The object of the two prongs *c c* is to fasten the bar A so that it will be impossible for it to turn when the carriage is traveling over it. The rafters *e e' e''* are fastened together by means of the braces *d d*, the object of which is to afford a firm resistance against the downward strain which a heavily-loaded carriage will cause to be brought to bear on rod A, and also the strain required to fasten rod A properly in place.

When it is desired to hoist the hay, grain, &c., from outside the building, a brace, C, can be run out, provided with a bracket casting, N, which has an eye, *l*, into which the bar A will rest in lieu of the cross-bar B. When thus constructed the cross-bar B will be dispensed with.

I claim the following:

1. The bar A, provided with the prongs *c c*, in combination with the cross-bars B B', substantially as set forth.

2. The bar A, provided with the prongs *c c*, in combination with the cross-bars B B', braces *d d*, and rafters *e e' e''*, substantially as and for the purpose set forth.

JACOB R. FITZHUGH.

Witnesses:

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