

(No Model.)

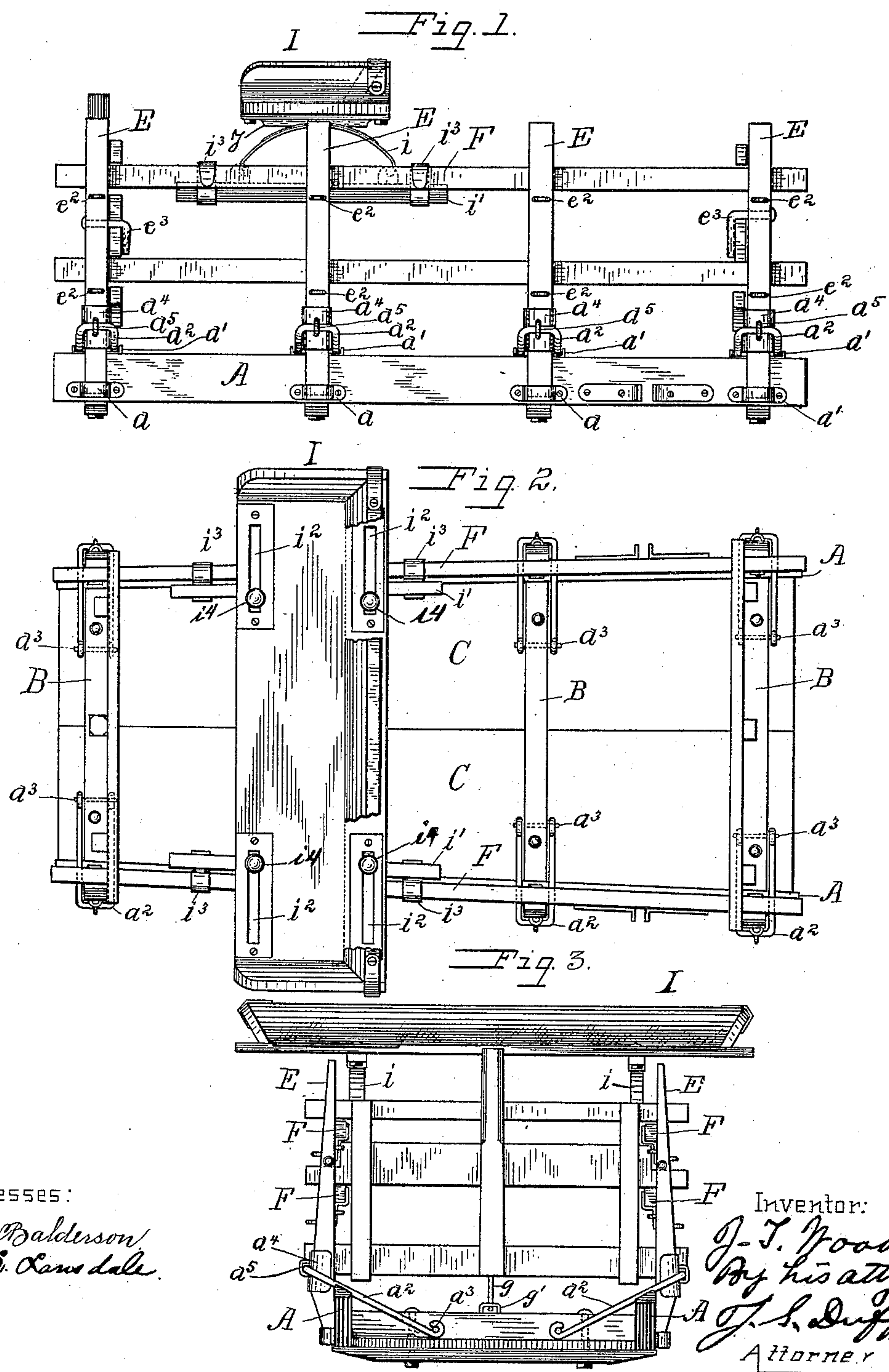
2 Sheets—Sheet 1.

J. T. WOODS.

HAY FRAME, STOCK FRAME, AND SPRING SEAT COMBINED.

No. 409,764.

Patented Aug. 27, 1889.



N. PETERS. Photo-Lithographer, Washington, D. C.

(No Model.)

2 Sheets—Sheet 2.

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Fig. 4

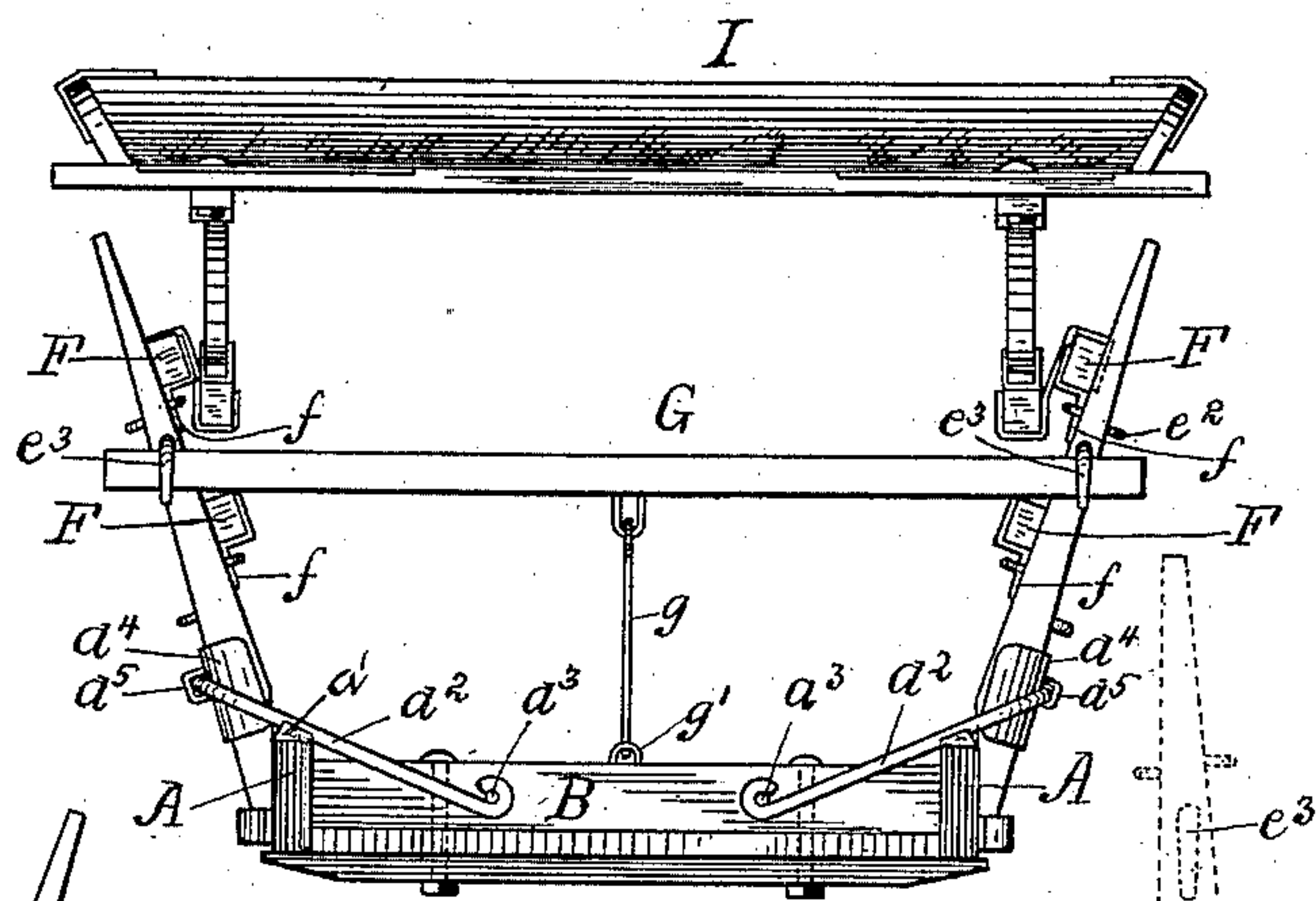


Fig. 5.

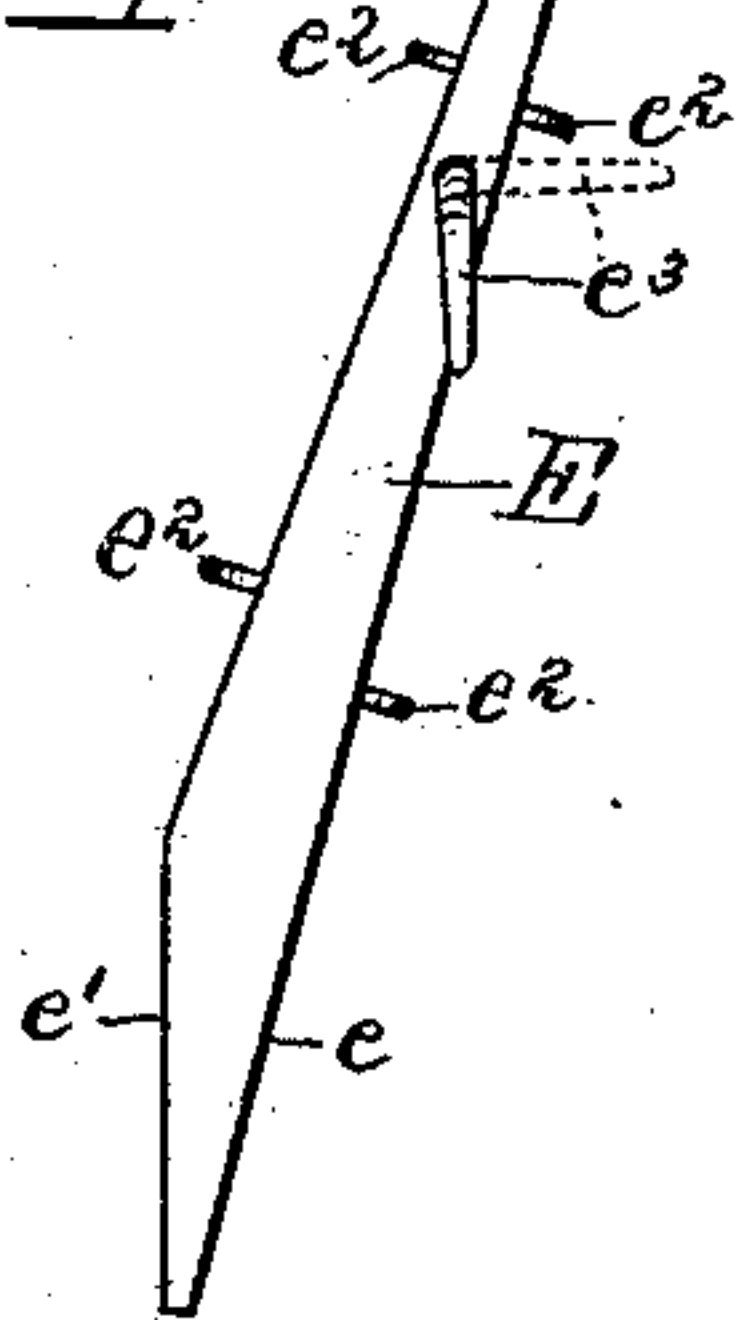


Fig. 6.

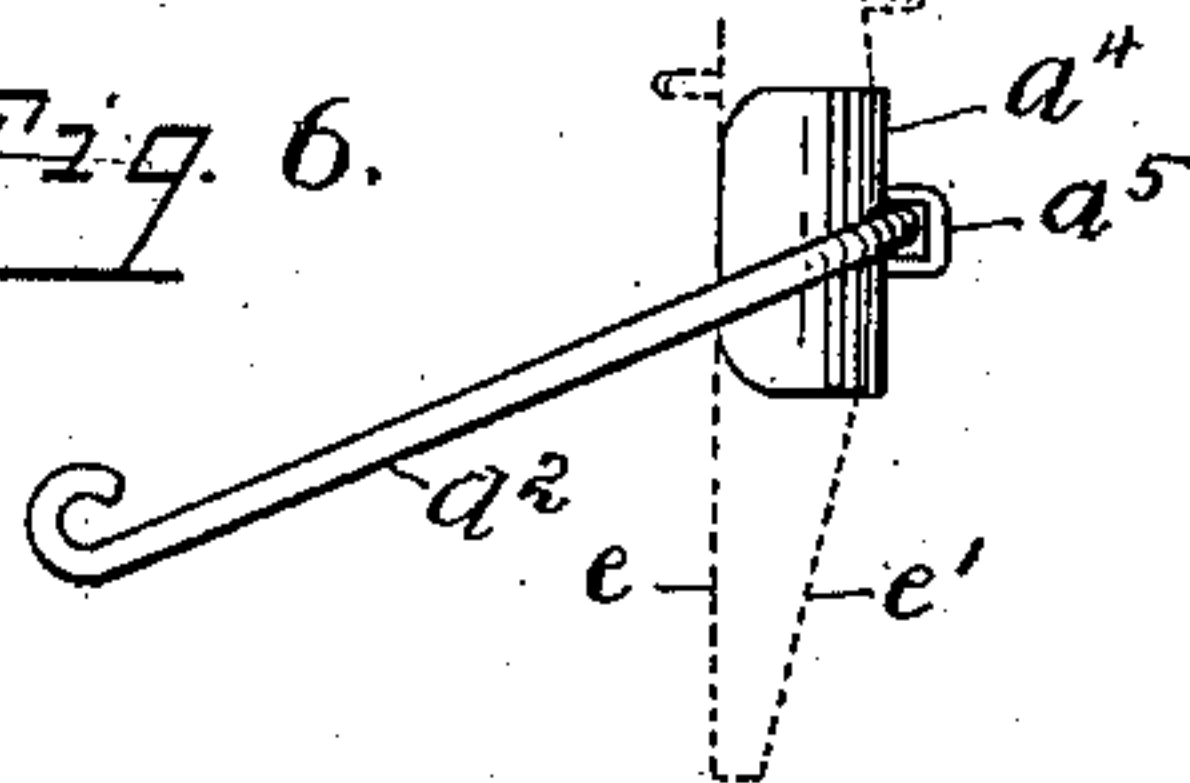


Fig. 7

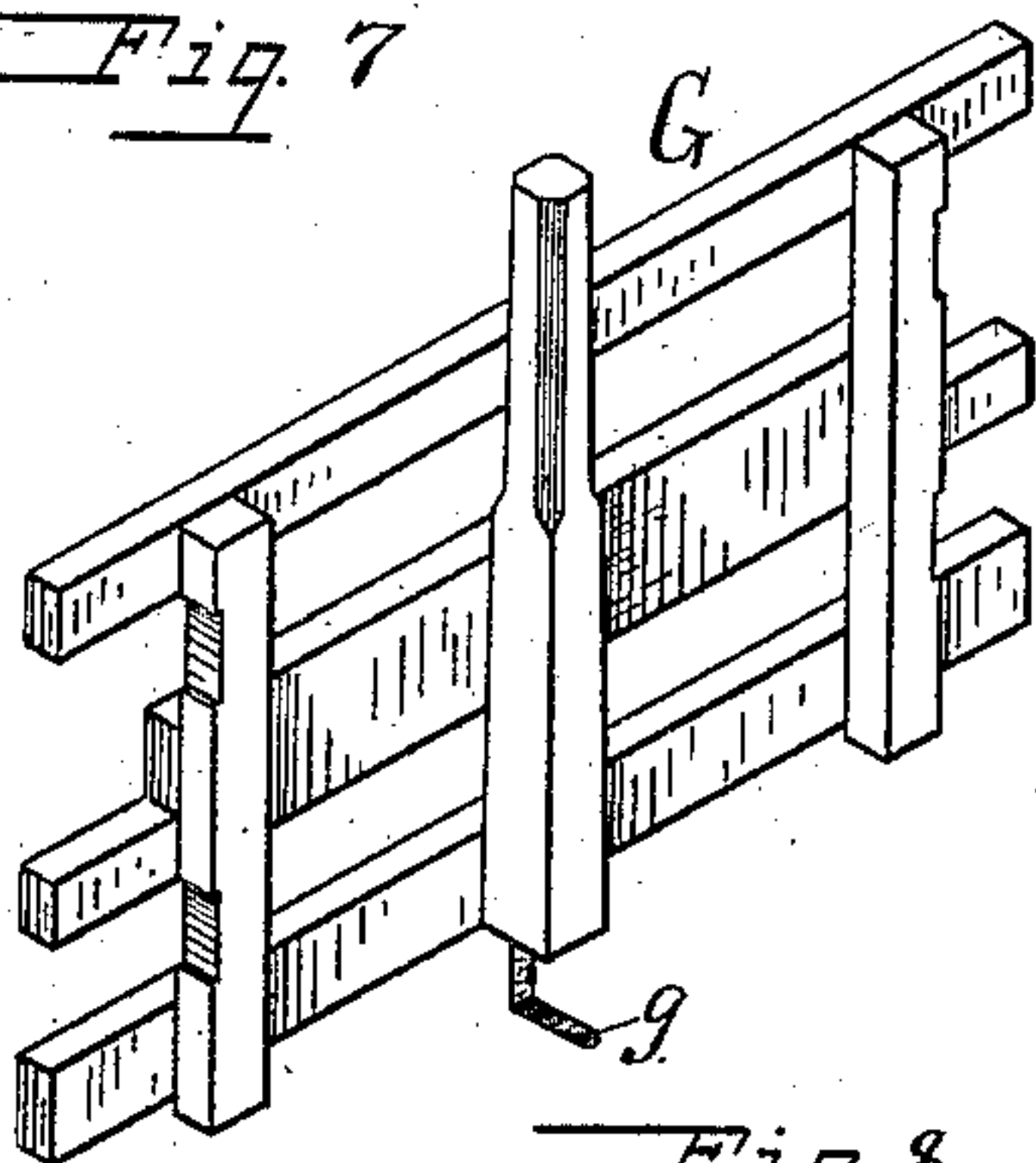


Fig. 9.

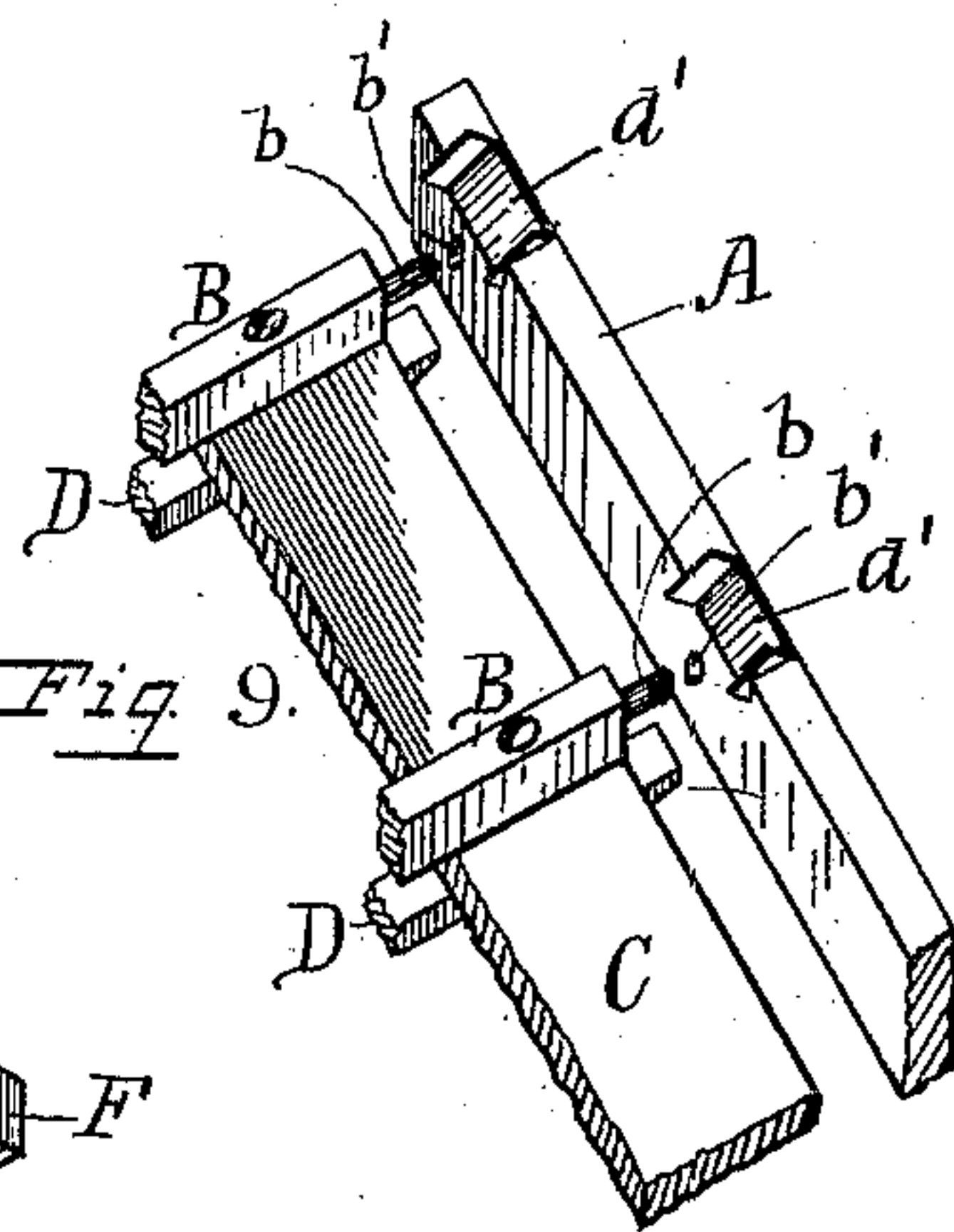
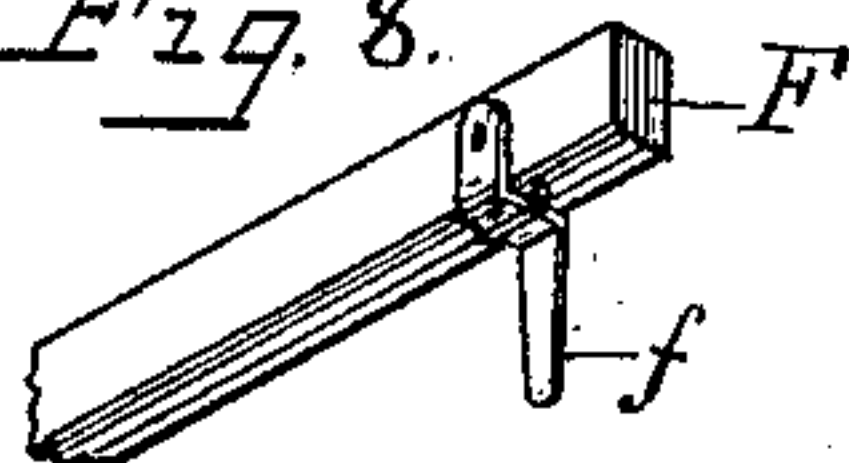


Fig. 8.



Witnesses

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Inventor

J. T. Woods.
By his atty-
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UNITED STATES PATENT OFFICE.

JOHN T. WOODS, OF SUPERIOR, NEBRASKA.

HAY-FRAME, STOCK-FRAME, AND SPRING-SEAT COMBINED.

SPECIFICATION forming part of Letters Patent No. 409,764, dated August 27, 1889.

Application filed May 6, 1889. Serial No. 309,715. (No model.)

To all whom it may concern:

Be it known that I, JOHN T. WOODS, a citizen of the United States, residing at Superior, in the county of Nuckolls and State of Nebraska, have invented certain new and useful Improvements in a Hay-Frame, Stock-Frame, and Spring-Seat Combined; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention has relation to hay and stock frames to be used on the running-gear of a wagon; and it consists in the novel construction and arrangement of its parts.

In the accompanying drawings, Figure 1 is a side elevation of my frame and spring-seat. Fig. 2 is a top plan view of Fig. 1. Fig. 3 is a front end view of Fig. 1. Fig. 4 is a front end view of Fig. 1, showing the standards reversed, thus widening the frame and converting it from a stock to a hay frame. Figs. 5, 6, 7, 8, and 9 are detail views.

My invention is described as follows:

In the accompanying drawings, A represents the bottom side rails, the outer faces of which are provided with laps *a* to hold the standards in place. Their inner and upper edges are provided with metal rests *a'* to bear and hold in place the standard-guards *a''*, the inner ends of which are turned over bolts *a'''*, which pass through the cross-beams B, while their U ends pass round the sliding half-sleeves *a''''*, that grasp the outer edge of the standards E, and are held in place by staples *a'''''*, secured to said half-sleeves.

B represents the end and middle upper cross-rails, the ends of which are provided with pins *b*, (see Fig. 9,) adapted to enter the perforations *b'* in said side rails to hold them in place.

C represents the flooring of the frame, and is secured by screws or otherwise between the upper cross-beams B and the lower cross-beams D, the ends of which latter project beyond the flooring C to provide rests for and to more securely hold the said side rails A.

E represents standards, which are secured to the outer faces of said side rails A by means

of the laps *a*, sliding half-sleeves *a''*, and standard guards or supporters *a'''*. These standards may be slipped in and out at will. When it is intended that they shall stand straight up, their straight sides *e* are put against the face of said sill, as shown in Figs. 1, 2, and 3; but when they are intended to lean out, so as to convert the frame into a frame for hauling hay or the like, the beveled side *e'* is put against the face of the sill, as shown in Fig. 4. Said standards are provided with four staples *e''*—two on their outer and two on their inner edges—and the end standards are also provided with elbow-bolts *e'''*.

F represent the middle and upper side rails, which are provided with tongues *f*, (see Figs. 4 and 8,) which enter the staples *e''* on the straight side of the standards E when the frame is built to carry sheep, hogs, or other stock; but when it is built to carry hay, grain, or the like they enter the staples on the bevel sides of said standards. The end-gates G are held in place by elbow-bolts *e'''*, hooks *g*, and staples *g'*.

In connection with my said stock and hay frame I have invented a seat I, adapted to be used with it. Said seat is provided with cross-beams *y* and springs *i*, the bodies of which are secured to said cross-beams, the lower ends of which springs coil loosely around bolts in beams *i'*, which gives said springs sufficient play to make the seat easy. Said seat is provided with slots *i''*, through which headed bolts *i'''* work, so that the beams *i'*, to which the springs *i* are secured, may be adapted to fit on the frame, whether the same be built to carry stock or hay. The seat is held on the upper side rails by means of hooks *i''''*.

My invention is so constructed that it may be put together without an additional bolt, screw, or pin of any kind, and when so put together all the parts combine to hold every other part in place, and it is so constructed that it may be taken apart without the use of any tool whatever.

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

1. The combination of the lower side rails A, provided with the loops *a*, standard guard-rests *a'*, and perforations *b'* with the cross-beams B, provided with the middle pins *a'''*

and end pins b , lower cross-beams D, standard-guards a^2 , which hook round the middle pins a^3 , and are provided with the sliding half-sleeves a^4 , standards E, having the sloped sides e' , and provided with the staples e^2 and elbow-bolt e^3 , middle and side sills F, provided with the tongues f , adapted to fit in the staples e^2 , end-gates G, adapted to fit in the front and rear ends of said frame and to be held in place
10 by the elbow-bolts e^3 , hooks g , and eyes g' , all substantially as shown and described.

2. In combination with my said frame, the seat I, provided with the cross-beams y , springs

i , side beams i' , longitudinal slots i^2 in the bottom and near either end of said seat, securing-bolts i^4 , passing through said slots into said cross-beams y , and hooks i^3 , substantially as shown and described, and for the purposes set forth.

In testimony whereof I affix my signature in
presence of two witnesses.

JOHN T. WOODS.

Witnesses:

JOHN G. MOORE,
GRAHAM B. LAIRD.