

A. G. HEIST.  
Extension Wagon-Bodies.

No. 150,036.

Patented April 21, 1874.

Fig. 1.

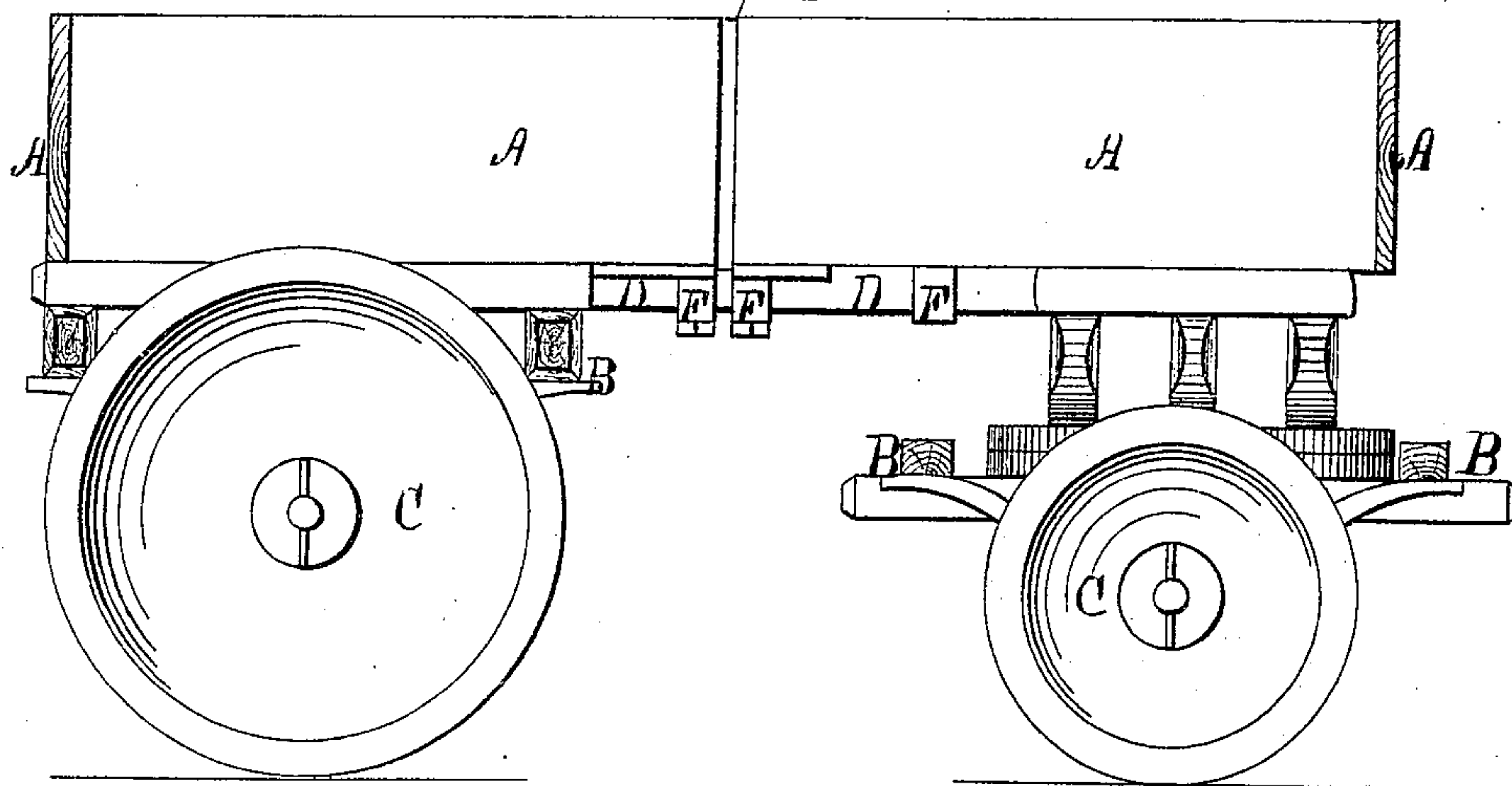
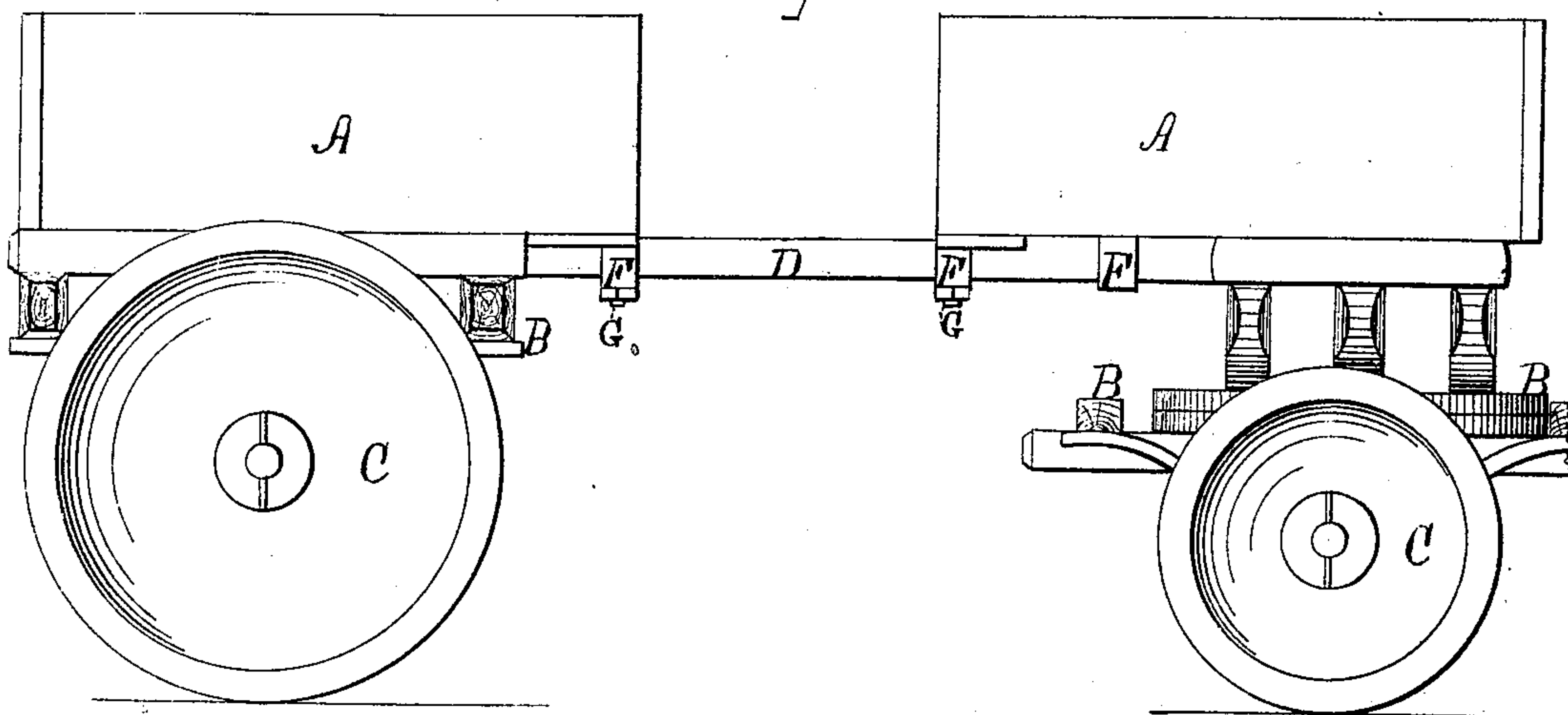


Fig. 2.



WITNESSES.

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John R. Young

INVENTOR.

Alfred G. Heist, by  
Prindle and Beane, his Attys.

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Fig. 3.

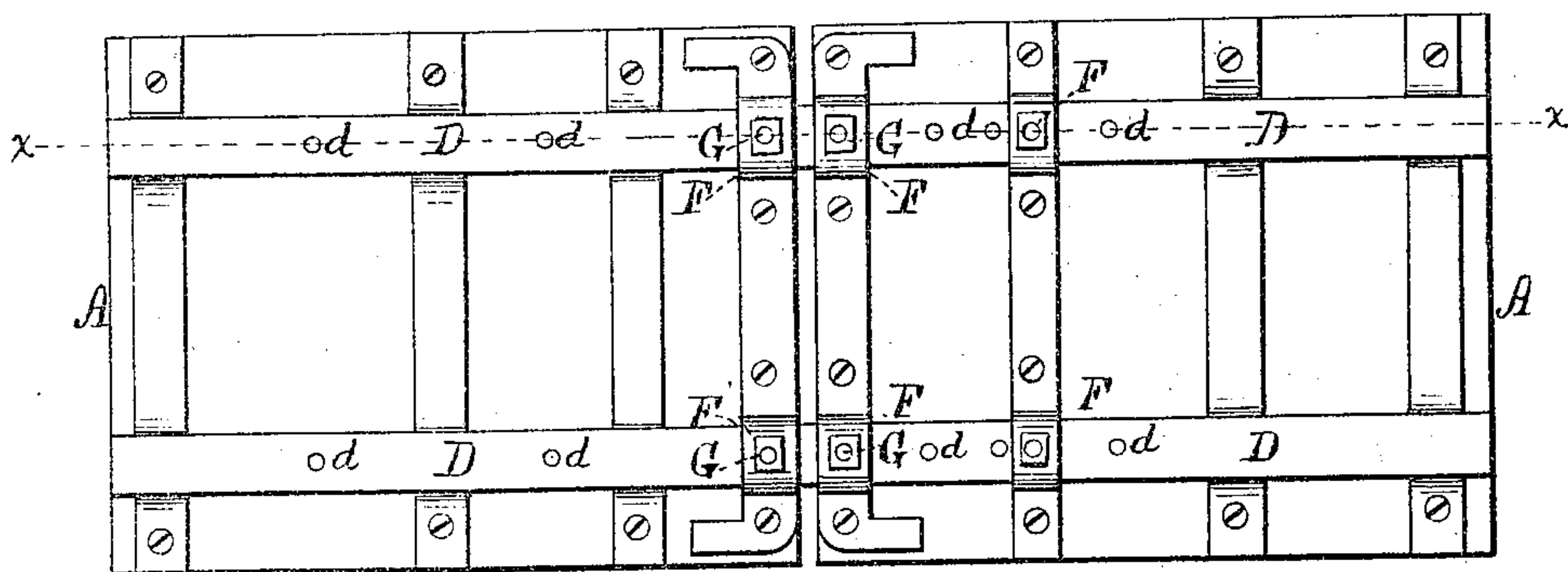
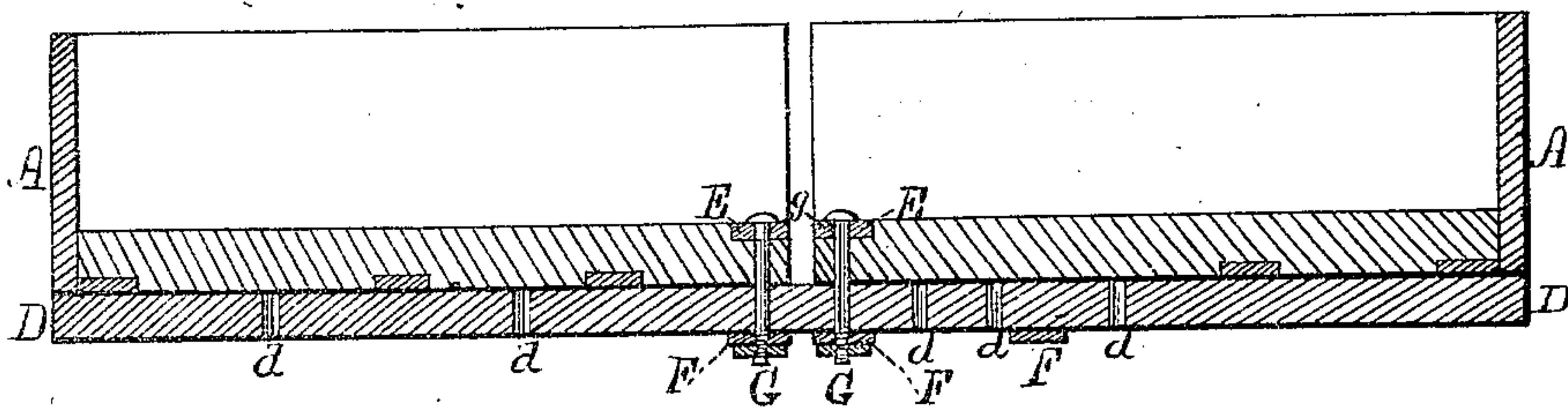


Fig. 4.



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# UNITED STATES PATENT OFFICE.

ALFRED G. HEIST, OF ALLENTOWN, PENNSYLVANIA.

## IMPROVEMENT IN EXTENSION WAGON-BODIES.

Specification forming part of Letters Patent No. **150,036**, dated April 21, 1874; application filed March 13, 1874.

*To all whom it may concern:*

Be it known that I, ALFRED G. HEIST, of Allentown, in the county of Lehigh and in the State of Pennsylvania, have invented certain new and useful Improvements in Wagons; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings making a part of this specification, in which—

Figure 1 is a side elevation of my improved wagon with the box closed together. Fig. 2 is a like view of the same, showing the box extended. Fig. 3 is a plan view of the lower side of said box, and Fig. 4 is a vertical section upon line *x x* of Fig. 3.

Letters of like name and kind refer to like parts in each of the figures.

In some sections of the country it would be profitable for wagons employed for hauling timber from saw-mills to town, upon return trips to haul merchandise, were it not for the fact that the requirements of the different materials composing the loads render impracticable the use of the same style of wagon.

To obviate these difficulties is the design of my invention, which consists in a wagon having its box and running-gear made extensible, in the manner and for the purpose substantially as is hereinafter specified.

In the annexed drawings, A represents the box of a wagon, which, at its ends, rests upon and is supported by means of running-gear B and B and ground-wheels C and C, of any usual or ordinary construction. At or near its longitudinal center the box A is divided transversely, and the sections thus formed are connected together by means of two wooden bars, D and D, which have, preferably, a rectangular form in cross-section, and are contained within suitable metal straps F and F, that are secured upon the lower side of said box, two of said straps being placed at the inner end

of each section of the same. The upper side of the bottom of each box-section, at its inner end, is strengthened by means of a metal plate, E, through which said bottom, and the strap F immediately beneath, is provided an opening, *g*, that receives a bolt or pin, G. A series of openings, *d*, which correspond in size to the transverse dimensions of the bolt G, is provided in and through each bar D, and enable said bolt to be passed through the latter and confine it in longitudinal position within the strap F.

As thus arranged, it will be seen that by removing the bolts G and G, the sections of the box A can be separated to such distance as to permit lumber having any desired length to be contained therein, after which, by replacing said bolts within their openings and within the coinciding openings of the bars D and D, said box-sections will be securely connected together.

The construction shown increases but slightly the cost of a wagon, while it enables the same to perform the offices of two heretofore separate and distinct wagons.

Having thus fully set forth the nature and merits of my invention, what I claim as new is—

The box A, divided centrally and transversely, and having its sections connected together by means of the bars D and D, which are provided with the openings *d* and *d*, rest within the straps F and F, and receive the bolts G and G, all combined substantially as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand this 5th day of March, 1874.

ALFRED G. HEIST.

Witnesses:

GEO. S. PRINDLE,  
JOHN R. YOUNG.