J. P. GORDON.
Wagon-Body.

No. 197,844. Patented Dec. 4, 1877.

Fig 1.

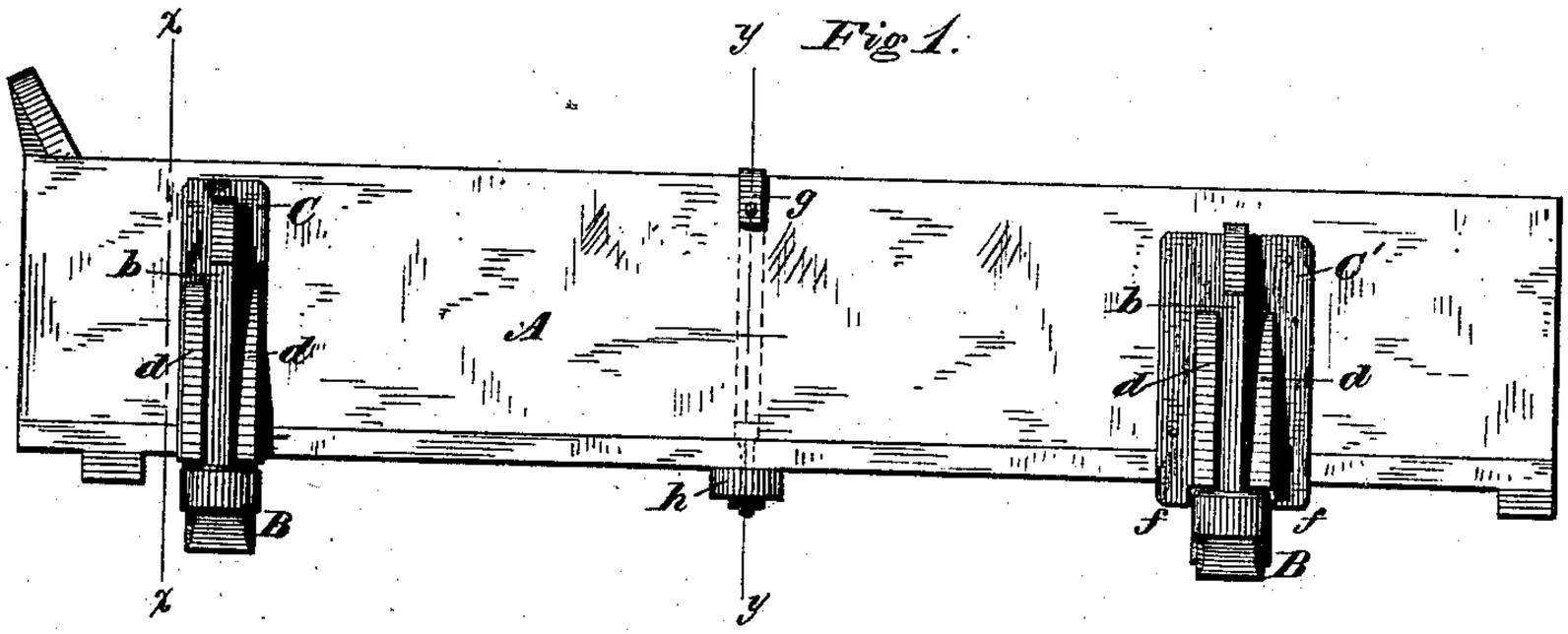


Fig 2.

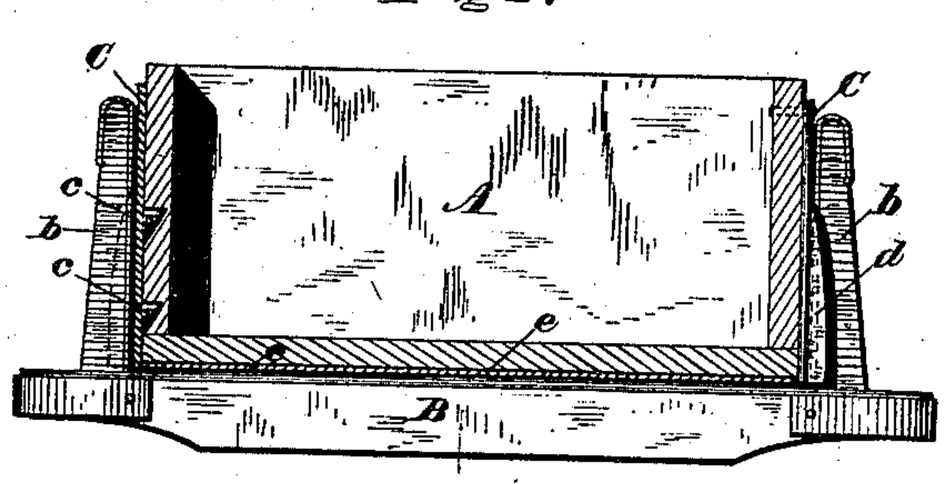
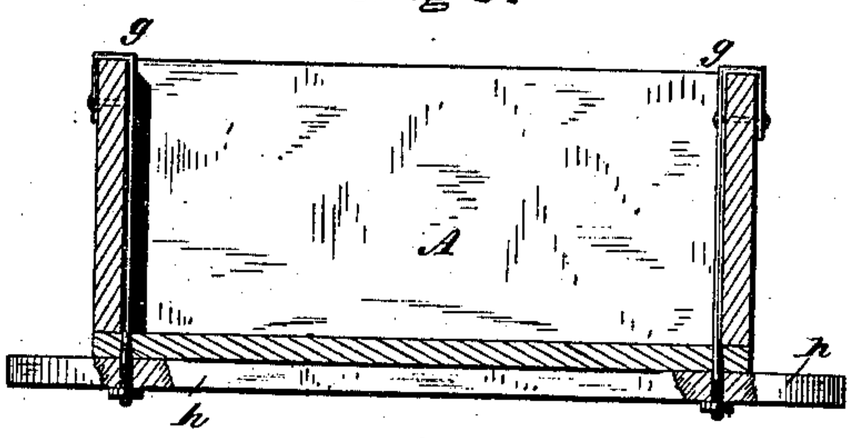


Fig 3.

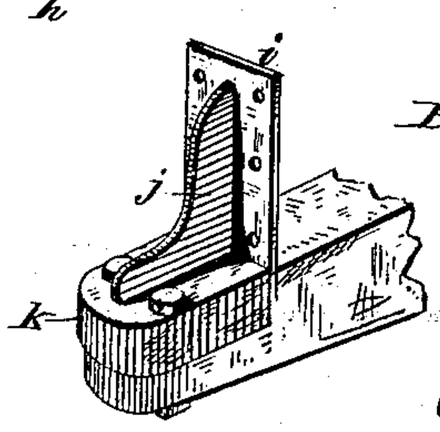


Witnesses.

Harry King

L. Wm. Moffett

Fig 4.



Inventor.

James P. Gordon,
By his Attorneys,
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UNITED STATES PATENT OFFICE.

JAMES P. GORDON, OF COAL VALLEY, ILLINOIS.

IMPROVEMENT IN WAGON-BODIES.

Specification forming part of Letters Patent No. **197,844**, dated December 4, 1877; application filed October 22, 1877.

To all whom it may concern:

Be it known that I, JAMES P. GORDON, of Coal Valley, in the county of Rock Island and State of Illinois, have invented certain new and useful Improvements in Wagon-Boxes; and I do hereby declare that the following is a full, clear, and exact description thereof, which 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 letters of reference marked thereon, which form a part of this specification.

Figure 1 is a side view of my improved wagon-body. Fig. 2 is a transverse section of Fig. 1 on line *x x*. Fig. 3 is a similar view on line *y y* of same figure; and Fig. 4 is a detached perspective view of my combined body-support, standard, and bolster-cap.

Corresponding parts in the several figures are denoted by like letters.

This invention relates to certain improvements in wagon-bodies; and it consists of plates or supports for the body, provided with broad projections, which enter the body; secondly, in providing said plates or supports with flanges, between which are received the bolster-standards; and, thirdly, in providing the said flanged plates or supports with projections, substantially as hereinafter more fully set forth.

In the annexed drawings, A refers to a wagon-body, constructed in the usual way, and adjusted in position upon bolsters B B, having uprights or standards *b b*, all of ordinary construction. C C′ refer to plates or supports, which are bolted to the sides of the body A. In addition to bolts, these plates or supports may be also provided with stout projections *c c*, preferably made broad upon their upper surfaces and tapering toward their free ends, as seen in Fig. 2, the function of which will appear hereinafter. These plates or supports extend down to and are supported upon the bolsters B B, to transfer the weight of the load received upon the sides of the body from the bottom of the body to the bolsters, and thus distribute the weight.

The bolsters are, preferably, plated where they support the plates or supports C C′.

The plates or supports C C′, transferring the weight of the load, as above stated, the broad or stout projections *c c* thereon and entering notches in the sides of the body, serve to support the said sides, and also to strengthen the connection between said supports and sides of the body.

The plates or supports C C′ are provided with flanges *d d*, between which the uprights or standards of the bolsters are received, and to retain the body in position between the said standards.

In this connection it will also be observed that the plates or supports C C′ prevent the wearing of the body by the bolster-standards.

The bottom of the body A is provided upon its lower side with plates *e e*, interposed between it and the bolsters B B, to prevent the wearing of the bottom at those points by the bolsters.

The rear plates or supports C′ C′ are provided, at their lower ends, with projections *f f*, extending down along each side of the rear bolster, to prevent endwise movement of the body, or its slipping upon the bolster. About midway of their lengths the bottom and sides of the body are connected together by metallic straps *g g*, the upper ends thereof being hooked over the upper edges of the sides, and firmly secured, in any known way, thereto, and their lower ends passed through the bottom and an underneath cross-piece, *h*, to which they are fastened by nuts *e*. By thus strapping the said parts together, the weight of the load is distributed upon the sides and bottom of the body.

The supports or plates, if desired, may be put on the inside of the body.

My combined body-support, standard, and bolster-cap consists of the plate *i*, edgewise-disposed plate or standard *j*, and cap *k*, all constructed together, or in one piece, and is

adapted to answer the purposes its name indicates, as will be readily understood by reference to Fig. 4.

What I claim is—

1. The body supports or plates C C′, having the broad projections *c c*, penetrating and in combination with the body A, and the bolsters B B, substantially as and for the purpose set forth.

2. The plates or supports C C′, having the broad projections *c c* and flanges *d d*, in combination with the body A and bolster-standards *b b*, substantially as and for the purpose specified.

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

JAMES P. GORDON.

Witnesses:

THOMAS PHILLIPS,

J. B. PHILLIPS.