

J. C. BAIRD & M. MILLER.

End-Gates for Wagons.

No. 144,429.

Patented Nov. 11, 1873.

Fig. 1.

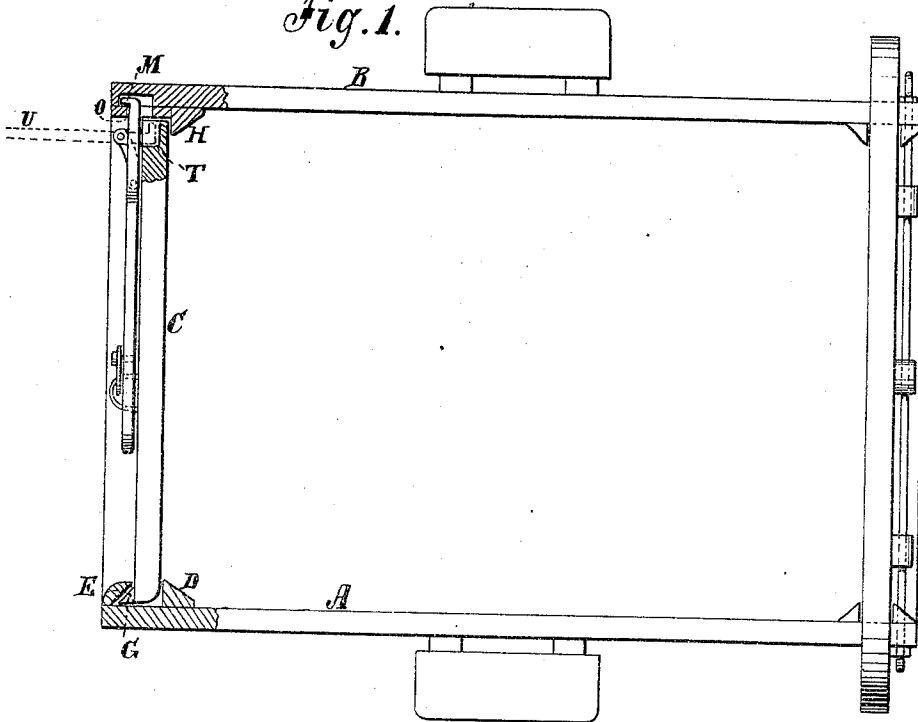


Fig. 2.

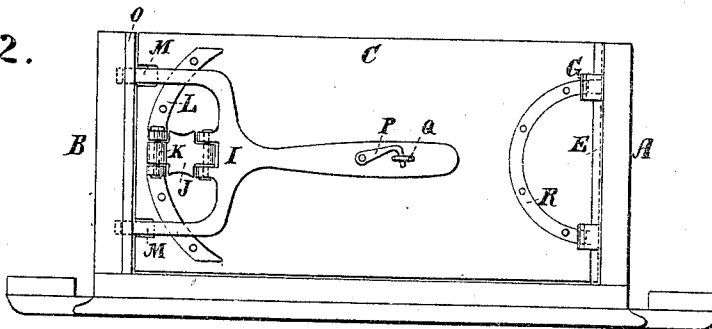
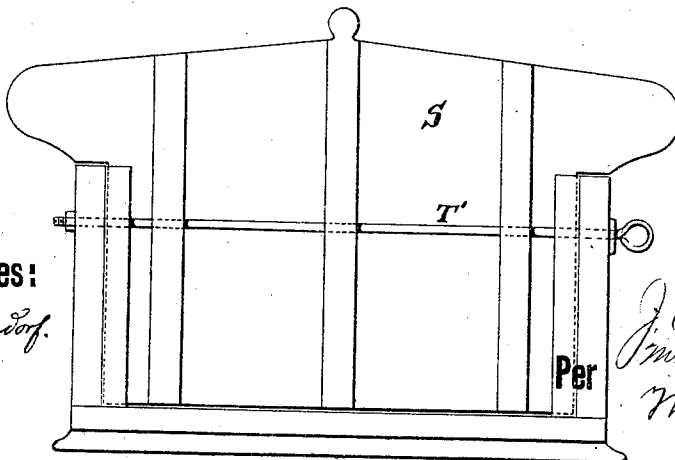


Fig. 3.



Witnesses:

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JOSEPH C. BAIRD AND MERRITT MILLER, OF HEATON, ILLINOIS.

IMPROVEMENT IN END-GATES FOR WAGONS.

Specification forming part of Letters Patent No. **144,429**, dated November 11, 1873; application filed August 30, 1873.

To all whom it may concern:

Be it known that we, JOSEPH C. BAIRD and MERRITT MILLER, of Heaton, in the county of Lee and State of Illinois, have invented a new and Improved End-Gate for Wagon-Boxes, of which the following is a specification:

Our invention is an improvement in devices for securing end boards or gates of wagon-boxes; and consists, chiefly, in a lever pivoted to the gate by a link or bar, and having, at one end, claws or hooks for taking into notches in one of the side boards, and at the other end a slot to receive a staple which projects from the gate, all as hereinafter described.

Figure 1 is a top view of a wagon-box with our improved end-gate attached, two of the corners of the box being sectioned to show the fastening clearly. Fig. 2 is a rear end elevation of the box, and Fig. 3 is front end elevation.

A and B are the side boards of the box, and C is the end-gate. The side C has two cleats, D and E, for holding one end of the end-gate, the same as ordinary boxes; and, besides, the outside cleat, E, has a couple of recesses, F, into which a corresponding pair of lugs, G, on the end-gate catch when the gate is presented to the cleats end first, with the other end a little in advance of the other side of the box, so that the points of the lugs enter first, and the end of the end-gate swings in afterward by moving the opposite end of the gate back to its place against the cleat H on side B. I is the lever-catch, for fastening the other end. It is jointed to a short connecting-link, J, which is hinged to a shaft, L, of iron, embedded in the surface of the end-gate, and has hooked prongs M, which swing into notches N on the

side B and engage behind metal plates O when the lever is swung backward against the end-gate, and firmly secure the latter in place, when the lever is fastened by the hook P and staple Q. The lugs G consist of strong metal projections of a metal plate, R, embedded in the end-gate. The end-gate has recesses T, into which the hooks M swing to clear the plate O, when the lever swings out, as at U, to release the end-gate.

Thus we secure the end-gate as firmly as it can be with the rods heretofore used, but so that we can put it in and take it out much more conveniently than with the rods; and we avoid making the end-gate in two parts and jointing them together in the middle, as has been done in some cases, but which is objectionable on account of weakening it.

S represents the front end-gate, which, not being required to be taken out often, may be fastened by the rods T in the common way.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The end-gate C, provided with the lugs G at one end and engaged between the cleats D E, and having the lever-catch I at the other end, the lever being jointed to the side of the end-gate by a link, and provided with hooked prongs M to engage the side board when the catch is fastened, all substantially as specified.

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Witnesses:

^{his}
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