

(No Model.)

W. R. WHITE & O. BERGGREN.

END GATE.

No. 302,614.

Patented July 29, 1884.

Fig 1 -

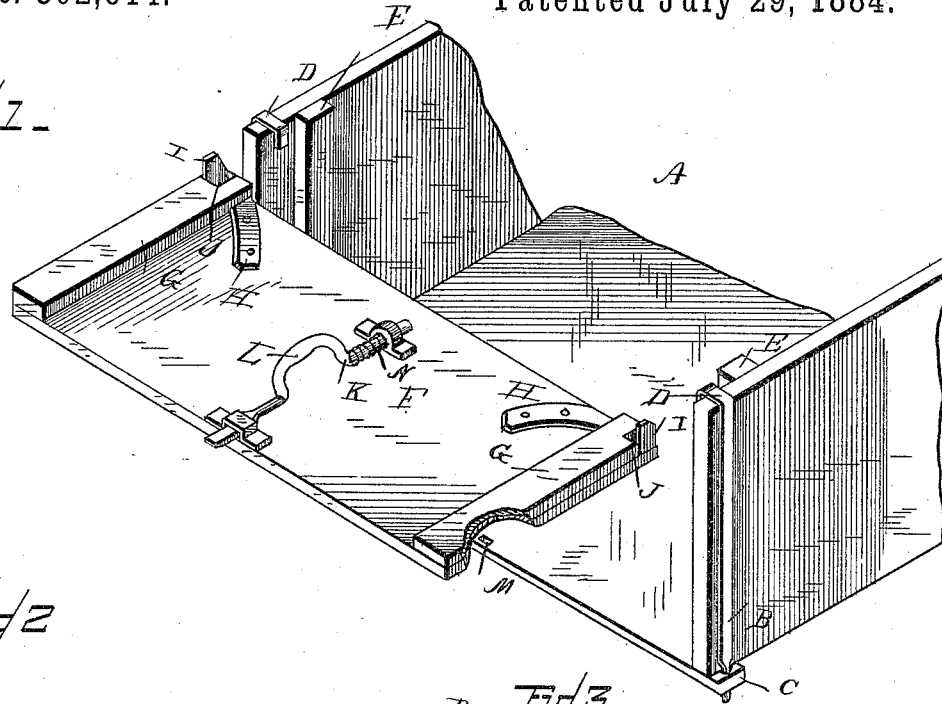


Fig 2

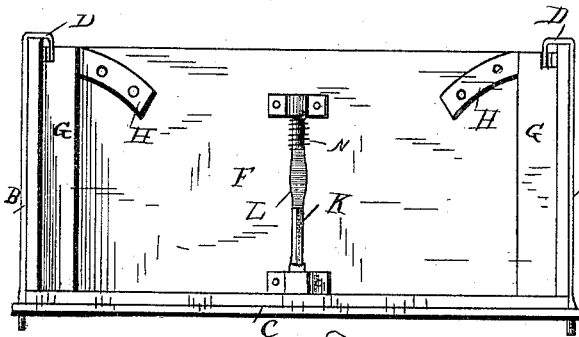


Fig 3

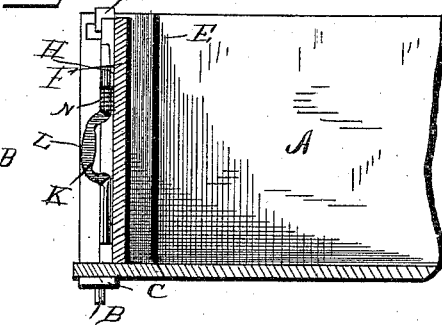
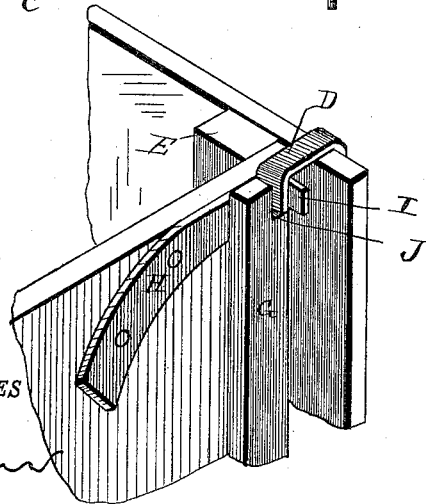


Fig 4



WITNESSES
F. L. Curran
E. J. Duggan

H. R. K. K. K.
Oscar Berggren
INVENTOR

by
H. R. K. K. K.
Attorneys

UNITED STATES PATENT OFFICE.

WILLIAM ROBERT WHITE AND OSCAR BERGGREN, OF AURORA, NEBRASKA;
SAID BERGGREN ASSIGNOR TO SAID WHITE.

END-GATE.

SPECIFICATION forming part of Letters Patent No. 302,614, dated July 29, 1884.

Application filed March 15, 1884. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM R. WHITE and OSCAR BERGGREN, citizens of the United States, residing at Aurora, in the county of Hamilton and State of Nebraska, have invented a new and useful End-Gate, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to end-gates; and it has for its object to simplify and cheapen the construction of the same, and make them more durable and efficient in use.

With these and other objects in view, the said invention consists in certain details of construction and combination of parts, as hereinafter set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of a wagon-body, showing our improved gate applied thereto. Fig. 2 is a rear view of the gate closed. Fig. 3 is a longitudinal sectional view of the same. Fig. 4 is a detail view enlarged, showing the manner of holding the upper corners of the gate.

Like letters of reference are used to indicate corresponding parts in the several figures.

Referring to the drawings, A designates the wagon-body, of any suitable construction, and having metallic straps or bands B B secured to the sides at the rear end of the body, said straps being rounded at their lower ends, a cross-bar, C, extending transversely across under the bottom, and connecting the lower ends of the straps or bands B. The upper ends of the straps are bent over the sides of the body and then extend downward, so as to form L-shaped extensions D, as shown, cleats E E being secured to the inner face of the sides forward of the extensions.

F designates the end-gate, which is in the form of a flat rectangular board, and having its ends provided with vertical cleats G G, curved plates H H being secured to the upper corners of the end-gate, one end of the plates passing through the cleats and formed with an outwardly-turned projection, I, which is adapted to engage with the extension D in adjusting the end-gate, a recess, J, being formed in the cleats G adjacent to the projection I, and

adapted to receive the ends of the said extensions.

K designates a rod working in guides in the outer face of the end-gate, and formed with a handle, L, said rod being arranged to engage with a socket or opening, M, in the bottom of the wagon-body. A spring, N, may be coiled around the rod at the upper end, so as to keep the rod from accidentally jumping out while in use.

The operation of our invention will be readily understood from the foregoing description, taken in connection with the annexed drawings.

In adjusting the end-gate in position the projections I are caused to engage with the extensions D, when the end-gate may be swung down in position, as shown, said gate resting against the cleats E. The rod K may then be pushed downward, so as to engage with the socket M and hold the gate from accidental displacement. In withdrawing the gate the rod K is drawn upward and the gate swung outward from the bottom and withdrawn, as will be seen.

It will be apparent that the projection I, in connection with the extensions D, acts as a pivot for the end-gate, the projections fitting in the space between the extensions and the sides of the wagon-body, and the extensions fitting in the recesses J on each side of the projections, so that when raised the end-gate will swing inward and outward from the upper corners as if it were pivoted, and when closed down the extensions D will fit over the projections and prevent the displacement of the end-gate.

It will be seen that the end-gate rests in the space between the cleats E and the extensions D, and is thus held vertically in position.

It will be apparent that an end-gate constructed as described will draw the bed tight without the use of hooks or rods, the latter being an objectionable feature in most end-gates, since the hooks come loose and the rods wear out, and besides it requires considerable time to adjust the end-gate where it is necessary to withdraw rods, bolts, and other devices.

Our improved end-gate is very solid, as the

bed can neither spread nor the gate rise up. It is readily adjusted, and, being simple in its construction, is not liable to get out of order.

Our improved end-gate is very cheap in its construction, efficient in operation, and will prove of great utility in use.

Having described our invention, we claim—

1. In an end-gate, the combination, with the wagon-body provided with cleats E and straps or bands B, the latter being formed with L-shaped extensions D, of the end-gate provided with cleats G, curved plates H, having projections I, and the securing-rod K, as set forth.

2. In an end-gate, the combination, with the wagon-body provided with vertical cleats secured to its sides, and straps or bands formed with L-shaped extensions D, of the end-gate having curved plates attached to its upper corners and formed with projections to en-

gage with the extensions of the straps or bands, and recesses formed in the upper corners of the gate to receive the L-shaped extensions, as set forth.

3. In an end-gate, the combination, with the wagon-body and the end-gate pivoted thereto at its upper corners, of the spring-pressed securing-rod arranged to engage at its lower end with a hole or socket in the wagon-body, and formed with a handle, L, near the center, as and for the purpose set forth.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

WM. ROBT. WHITE.
OSCAR BERGGREN.

Witnesses:

J. E. BAKER,
GEORGE WHITE.