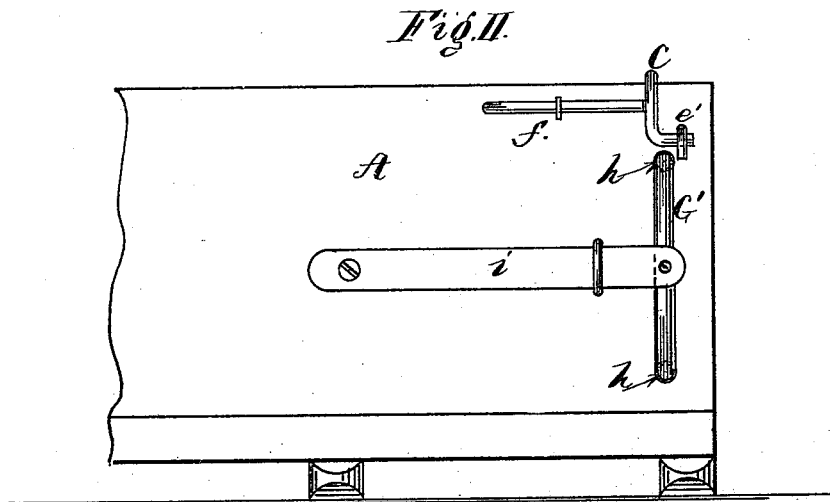
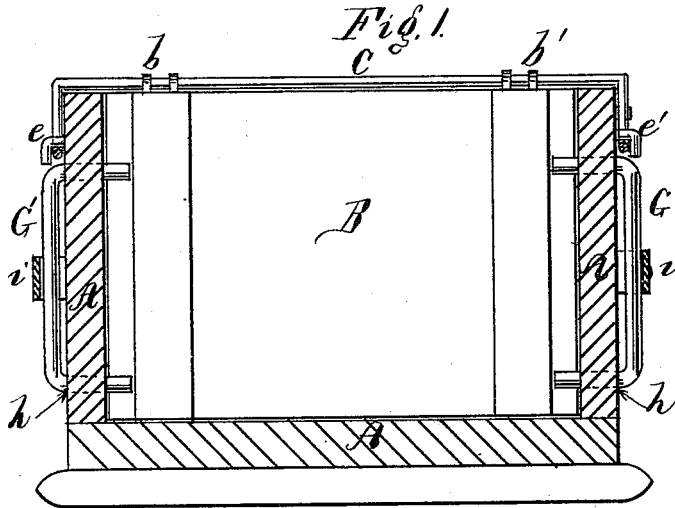


F. C. BROOKE.
 Vehicle End-Gates.

No. 166,495.

Patented Aug. 10, 1875.



Witnesses:
 Franklin Barritt.
 Richard Gerner.

Inventor:
 Fernen C. Brooke.
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UNITED STATES PATENT OFFICE.

FIRMEN C. BROOKE, OF GILMAN, ILLINOIS.

IMPROVEMENT IN VEHICLE END-GATES.

Specification forming part of Letters Patent No. **166,495**, dated August 10, 1875; application filed June 8, 1875.

To all whom it may concern :

Be it known that I, FIRMEN C. BROOKE, of Gilman, Iroquois county, State of Illinois, have invented certain Improvements in Adjustable Backboards for Wagons, of which the following is a specification :

The object of my invention is to provide for an adjustable backboard for wagons, especially farm-wagons, which may be readily removed altogether when required without weakening the box, or which will, when the wagon is dumped and the fastenings released, swing on a top bar and remain connected to the box.

My invention consists in constructing a backboard which will fit the inside end of the box, where it is placed, resting against two cleats or guards fastened to the inner sides of the box. To the top of this backboard are fastened eyes, through which passes an iron rod resting on the top of the box. Both ends of this box are bent at right angles, to conform with the shape of the box. One end of this rod, formed into a hook, is inserted in an eye in the side of the box. The other end of the rod, also hook-shaped, is also fitted into an eye on the other side of the box, where it is held by aid of a spring. The backboard is held against the cleats or guards by aid of two stays or catches, which are inserted in holes in the sides of the wagon-box in front of the backboard, and held in their position by two springs, one fastened on each side, and to the outside of the box.

In order to describe my invention more fully, I refer to the accompanying drawing, forming a part of this specification.

Figure I is a back view of a wagon-box and backboard embodying my invention. Fig. II is a side view of the same.

A is the wagon-box; B, the backboard, with eyes *b* and *b'*. C is the rod passing through the eyes *b* and *b'*, and loosely fastened at one end to the eye *e* on the side of the wagon-box. The other end of the rod is hook-shaped, and fits into the eye *e'* on the other side of the wagon-box, and is held in this position by the spring *f*. G and G' are the catches or stays, inserted in the holes *h h*, and held in this position by aid of the springs *i* and *i'*.

The operation of my improved backboard is as follows: To remove the backboard altogether when required, draw the spring *f* outward and withdraw the hook-shaped end of the rod C from the eye *e*, and detach also the other hooked end from the eye. The rod may then be detached from the backboard by sliding it through the eyes, and is then replaced on the wagon-box, where it serves to hold the sides of the box together. When the backboard is in its place on the box, and before the box is dumped, the side springs *i* and *i'* are drawn outward, and at the same time carry the stays with them, thus relieving their hold upon the backboard.

Having thus described my invention, I desire to claim—

1. The catches G and G' and springs *i* and *i'*, in combination with the backboard B and wagon-box A, substantially as described.

2. The rod C and spring *f*, in combination with the backboard B and wagon-box A, substantially as described.

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