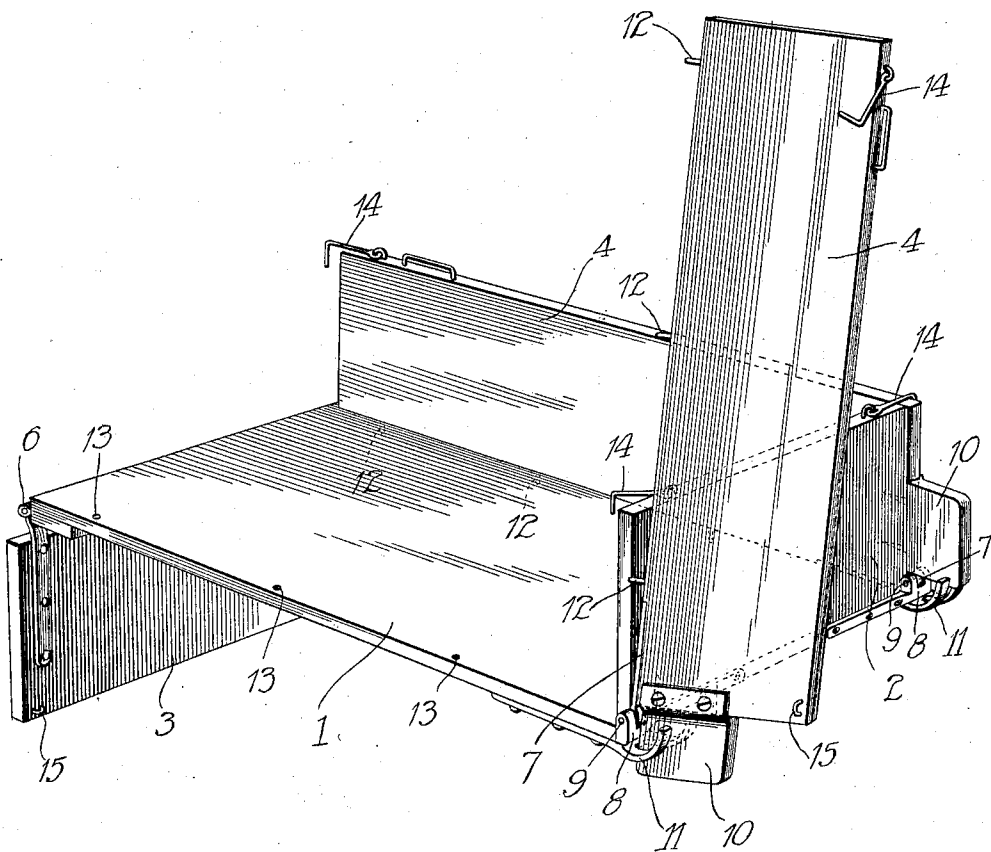


1,038,247.



COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

GEORGE WEITZEL, OF CHICAGO, ILLINOIS.

WAGON-BOX.

1,038,247.

Specification of Letters Patent.

Patented Sept. 10, 1912.

Application filed April 10, 1912. Serial No. 689,797.

To all whom it may concern:

Be it known that I, GEORGE WEITZEL, a citizen of the United States of America, and a resident of Chicago, county of Cook, State of Illinois, have invented certain new and useful Improvements in Wagon-Boxes, of which the following is a specification.

The main objects of this invention are to provide an improved form of vehicle body, the parts of which may be easily and conveniently shifted to positions that will facilitate the unloading of the body; to provide an improved mounting and arrangement of the sides of a wagon body whereby they are adapted to be shifted clear of the bottom of the body; to provide improved means for counterweighting the sides; and to provide improved means for securing the parts of the body in their normal positions.

An illustrative embodiment of this invention is shown in the accompanying drawing, which is a perspective view of a vehicle body constructed according to this invention showing the end member swung downwardly and one of the sides shifted to a vertical position.

In the construction shown in the drawings, the body member comprises the bottom member 1, end members 2 and 3 and side members 4. The end member 2 is rigid on the bottom member 1 and is adapted to support a seat (not shown) in the usual manner. The end gate 3 is hinged on a horizontally disposed axis 6 in the usual manner at the rear of the bottom member 1.

The bottom member 1 and the side members 4 have respectively secured thereto the fittings 7 and 8 which are pivotally connected together on horizontally disposed axes 9 adjacent to the forward end of the side and bottom members, whereby either or both of the side members 4 may be swung from a horizontal position to a vertical position, as indicated. Counterweights 10 are secured to the forward ends of the side members 4 forwardly of the pivotal connection thereof to the bottom member 1. The counterweights 10 render the lifting of the side members easy and also assist in the retaining of the side members in their vertical positions. Guides 11 having upwardly disposed prongs are secured to the bottom member 1 and adapted to receive the counterweights 10 for guiding the side members 4 when being shifted from one to the other of their positions.

The bottom member 1 and side members 4 are respectively provided with coacting shoulders which may be in the form of dowel pins 12 and notches or recesses 13 and which are adapted to have interfitting engagement, when the side members are in their lowered or normal position, for securing the same against transverse shifting or displacement. Means are provided for securing the end members and side members together in their normal positions on the bottom member which are herein shown in the form of hooks 14, which are adapted to be received in the eyes 15.

The operation of the device shown is as follows: Normally the end members 2 and 3 and the side members 4 rest upon the bottom member 1 in the form of a box and are secured in such positions by means of the hooks 14 and eyes 15, the side members being prevented from transverse shifting on the bottom member 1 through the engagement of the dowel pins 12 in the notches 13. With the parts in this position, the body may be loaded in any manner that may be desired. When it is desired to unload the body, the hooks 14 may be disengaged from the eyes 15 and the end member 3 dropped down and one or both of the side members 4 elevated, being swung upwardly on the axes 9 to a vertical position. The counterweights 10 render the elevating of the sides easy and coast with the guides 11 in insuring the proper elevation of the sides, and also in holding the sides in their vertical positions. The contents of the body may then be removed in any manner that may be convenient as determined by the nature of the contents. After unloading the body the side members 4 and end member 3 are again shifted to their normal positions and locked.

Although but one specific embodiment of this invention has been herein shown and described, it will be understood that numerous details of the construction shown may be altered or omitted without departing from the spirit of this invention as defined by the following claims.

I claim:

1. In a wagon box, the combination of a bottom member, a pair of side members hinged to said bottom member on horizontally disposed axes located adjacent to the lower corner at one end thereof, and adapted to be swung in their own planes substantially as and for the purpose specified.

2. In a vehicle body, the combination of a bottom member, a pair of side members hinged to said bottom member on horizontally disposed axes located adjacent to the forward ends thereof, and adapted to be swung in their own planes, and guides arranged adjacent to the axes of said hinges so as to insure the proper swinging of said side members substantially as and for the purpose specified. 15
- 5
- 10 3. In a vehicle body, the combination of a bottom member, a pair of side members hinged to said bottom member on horizontally disposed axes located adjacent to the forward ends thereof, and adapted to be swung in their own planes, and guides arranged adjacent to the axes of said hinges so as to insure the proper swinging of said side members substantially as and for the purpose specified.

GEORGE WEITZEL.

Witnesses:

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