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Patented Aug. 15, 1899.

G. S. WARREN.
WAGON GRAIN BOARD.

(Application filed Jan. 23, 1899.)

(No Model.)

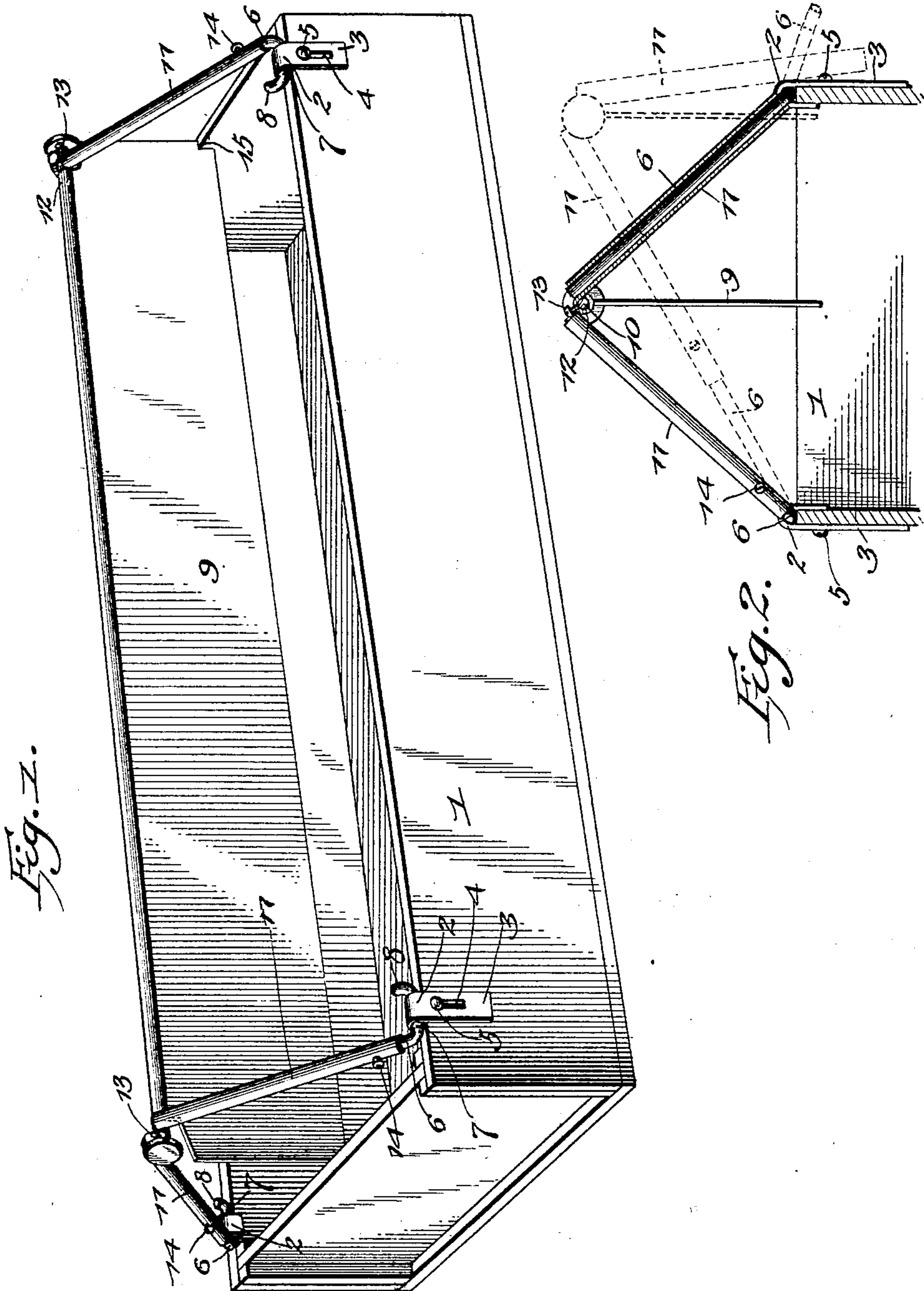


Fig. 1.

Fig. 2.

Witnesses:-

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WAGON GRAIN-BOARD.

SPECIFICATION forming part of Letters Patent No. 630,956, dated August 15, 1899.

Application filed January 23, 1899. Serial No. 703,102. (No model.)

To all whom it may concern:

Be it known that I, GARLAND S. WARREN, a citizen of the United States of America, residing near High Point, in the county of Decatur and State of Iowa, have invented certain new and useful Improvements in Grain-Boards, of which the following is a specification.

This invention relates to attachments for wagon-bodies, and particularly to that class known as "grain-boards," used for arresting grain and other material and directing it into the box or wagon-body.

As this invention is to be used for deflecting material other than grain, the device heretofore known as a "grain-board" will be termed a "baffle-board" throughout this specification.

The object of this invention is to provide a frame or support for the baffle-board whereby said baffle-board may be supported longitudinally of the body at either side or at varying positions with regard to the width of said body.

Furthermore, the object of the invention is to provide means whereby the elevation of the baffle-board may be varied and whereby it may be secured in its adjusted position.

A further object of the invention is to provide means whereby the baffle-board proper may be held rigidly in a vertical position or at any angle of adjustment within certain prescribed limits, that the material which might pass over the body may be deflected to the proper place.

The invention also has for its object the provision of means whereby the baffle-board may be swung out over the side of the body to rest against the crib or building, that the material being transferred cannot fall between the wagon and the building but on the baffle-board, which being set at an incline will divert the material into the body.

A further object of the invention is to produce a baffle-board in which the parts will prove strong and durable, as well as efficient and satisfactory in use, while at the same time it will be comparatively inexpensive.

With the above and other objects in view the invention consists in the novel details of construction, as well as the arrangement and

combination of parts, to be hereinafter more fully shown, described, and claimed.

In disclosing and illustrating the invention reference will be had to the accompanying drawings, forming part of this specification, wherein like characters of reference denote corresponding parts in both views, in which—

Figure 1 is a perspective view of a wagon-body with my invention applied. Fig. 2 is a sectional view of the body and the first sleeve.

In the drawings, 1 indicates the wagon-body, and 2 are clips fitting over the sides of the body. The outer legs 3 of the clips are longer than the inner sections and are provided with slots 4, whereby the said clips are slidable on the screws or bolts 5, said bolts holding the said clips in position. This arrangement permits the clips to be elevated when desired, so that their inner sections will rise sufficiently to allow the arms of the frame to be sprung therefrom when it is desired to remove the baffle-board and its supports.

The arms 6 of the frame have an angular section 7 embraced by the clip, while the extremity 8 of each arm is bent at right angles to the angular sections 7 for the purpose of preventing a disengagement of the arms and loops. The arms can be swung toward the center or to the outside of the body, thus permitting the baffle-board to be supported by the building into or from which the material is being transferred.

The baffle-board 9 is rigidly attached to a rod 10 at its upper edge, and this rod is swingingly mounted on the ends of tubes 11, said tubes having extending ends 12 encircling the rod. It is my intention to provide one or more of these ends 12 with screw-threaded apertures and set-screws 13 for the purpose of binding the rod 10 and preventing oscillation of the baffle-board after it is set in a certain position. The lower ends of the tubes are also provided with apertures and set-screws 14 for binding the tubes and arms at any desired adjustment with relation to the width of the body or elevation of the baffle-board.

The front end of the baffle-board is notched at 15 to fit on the end of the body, while the rear end is undisturbed, for the end-gate being high the rear end of the baffle-board is

designed to fit inside, the arms and sleeves in the rear sufficing to support the parts.

The construction, operation, and advantages will, it is thought, be appreciated from the foregoing description, it being noted that various changes in the shape, proportions, and other details of construction may be resorted to without departing from the spirit of the invention, for this invention resides in the broad idea of a baffle-board and a combination of parts which support it on either side of a wagon-body or other conveyance, or intermediately thereof. It will be noted also that I do not wish to be limited to any form of baffle-board or the material from which it is formed, it being apparent that a metallic plate, a canvas, or other material may be employed in this connection. It will be noted also that the baffle-board may be of such width as to form a cover for the body, thus increasing its utility.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a device of the character described, a baffle-board and means for supporting same on either side or intermediately of a conveyance-body.

2. In a device of the character described, a conveyance-body, a baffle-board arranged longitudinally of the body and means for supporting the baffle-board above the body at any desired distance from either side.

3. In a device of the character described, a conveyance-body, clips embracing the upper edges of the sides, arms pivoted to the clips, a baffle-board and connections between the

arms and baffle-board, substantially as described.

4. In combination, arms pivoted to the sides of a conveyance-body, sleeves slidable on the arms and a baffle-board supported by the sleeves, substantially as described.

5. In combination arms pivoted from the sides of a conveyance-body, sleeves slidable thereon, means for binding the sleeves and arms together, a baffle-board swingingly mounted on the ends of the sleeves and means for binding the baffle-board to the sleeves to prevent oscillation.

6. In combination, clips embracing the sides of a conveyance-body, said clips having slots to receive a bolt, arms pivoted to the clips, sleeves on the arms, a baffle-board secured to the sleeves, means for binding the arms and sleeves in their adjusted position and means for holding the baffle-board rigid.

7. In combination, clips slidable on the sides of a conveyance-body, arms confined by the clips, the said clips being so arranged as to release the arms, when elevated.

8. In combination with a baffle-board and a conveyance-body, means for hinging the baffle-board to permit it to be adjusted intermediately of the width of the body or to swing beyond the edge thereof from either side and rest against a building, bin, or the like.

In testimony whereof I affix my signature in the presence of two witnesses.

GARLAND S. WARREN.

Witnesses:

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