

No. 675,863.

Patented June 4, 1901.

G. R. McGINNIS, Dec'd.

J. F. McGINNIS, Administrator.

SCOOP BOARD FOR WAGON BODIES.

(Application filed Feb. 23, 1901.)

(No Model.)

Fig. 1.

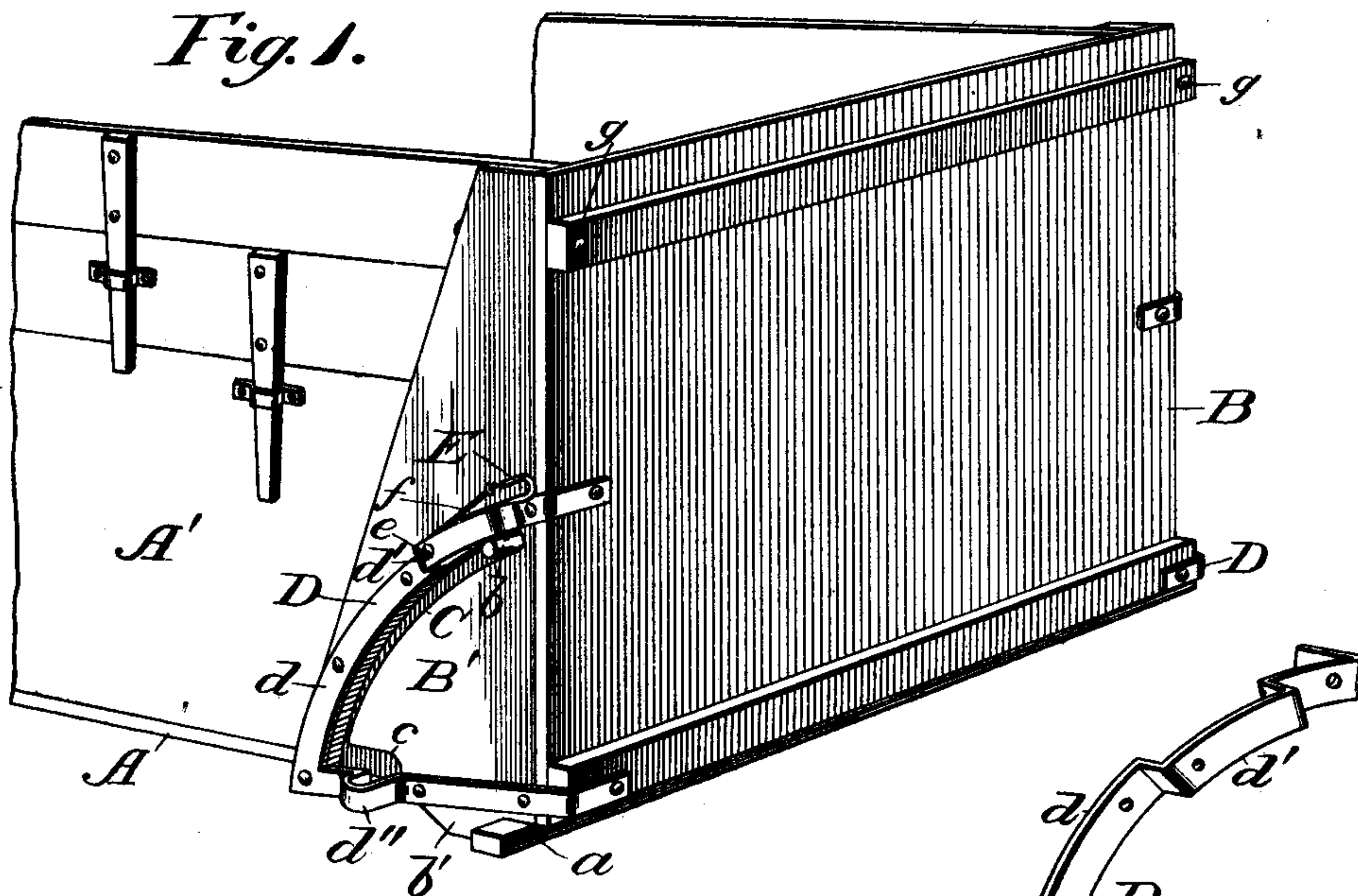


Fig. 2.

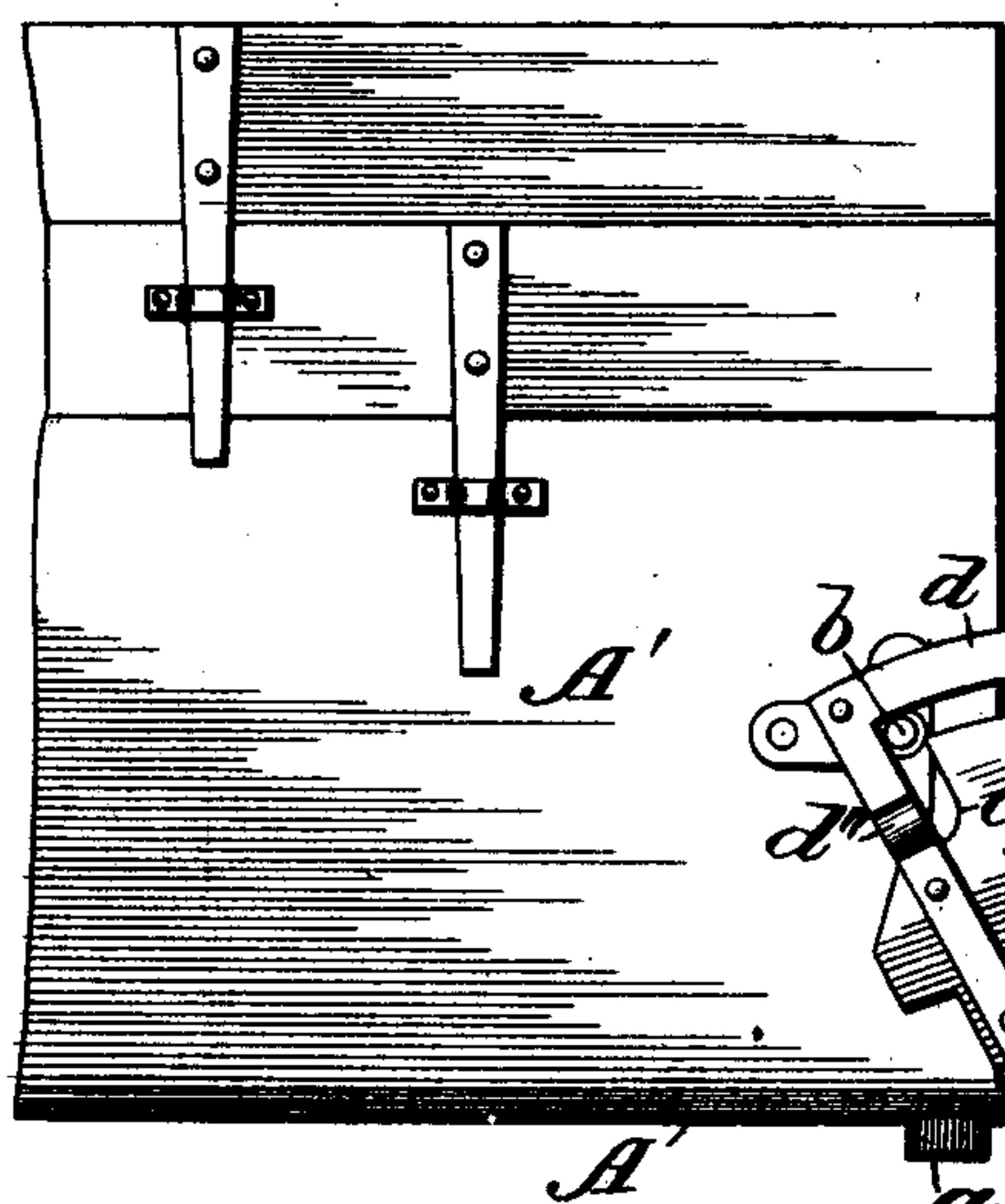


Fig. 3.

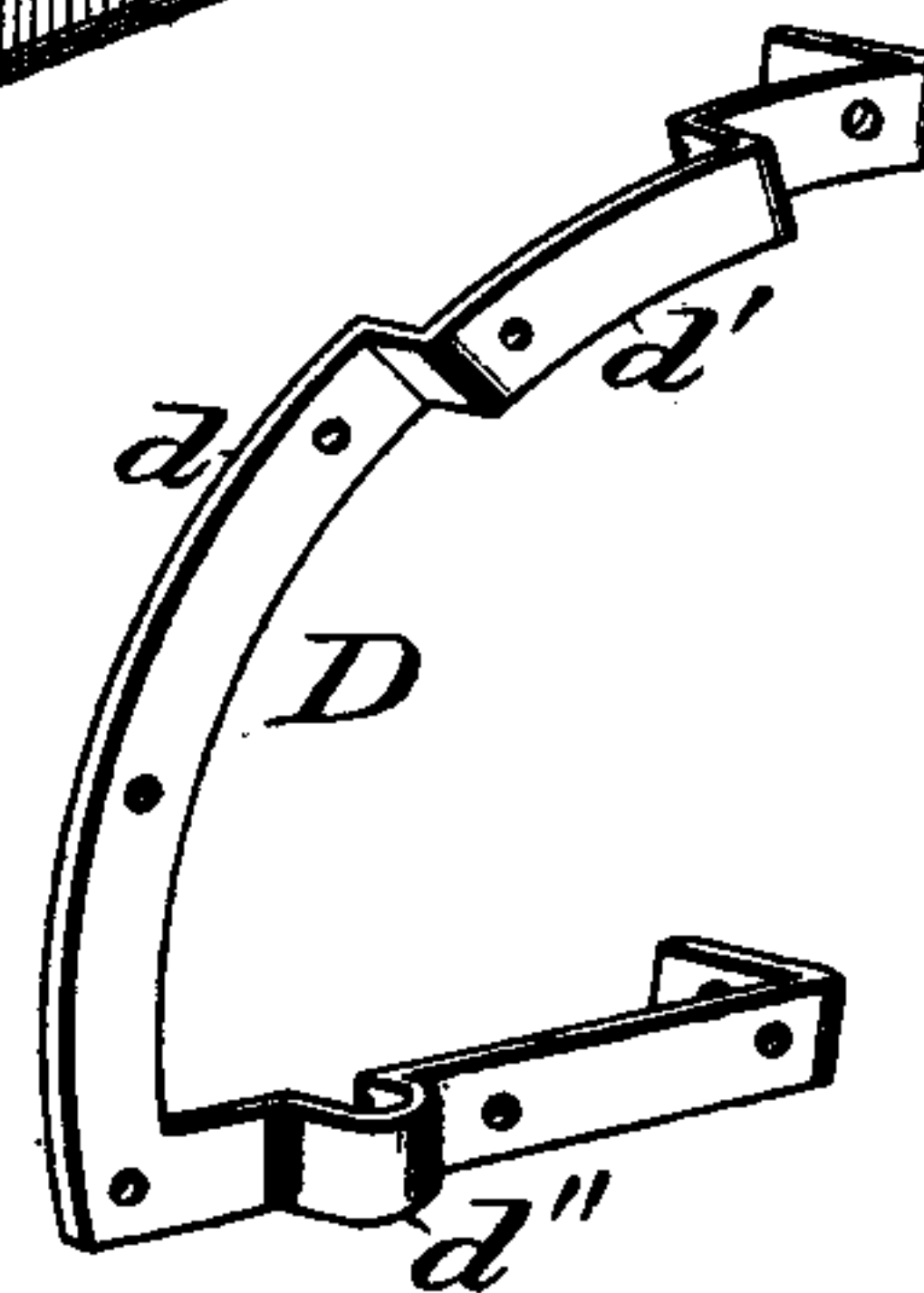
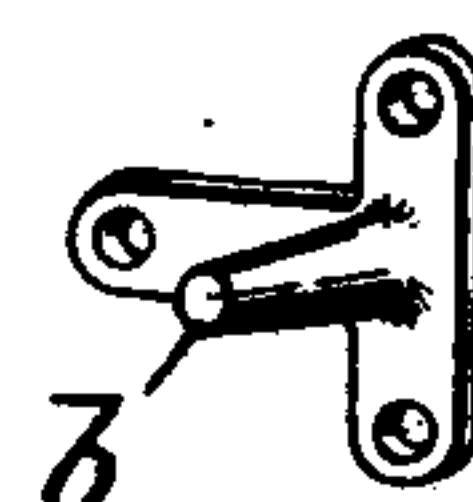


Fig. 4.



Fig. 5.



G. R. McGinnis, Inventor.

Witnesses
C. F. Walker.
J. F. Walker.

by Eugene W. Johnson,
his Attorney

UNITED STATES PATENT OFFICE.

GEORGE R. MCGINNIS, OF ARGENTA, ILLINOIS; JOHN F. MCGINNIS, ADMINISTRATOR OF SAID GEORGE R. MCGINNIS, DECEASED, ASSIGNOR OF ONE-HALF TO EMERY S. MCGINNIS, OF CISCO, ILLINOIS.

SCOOP-BOARD FOR WAGON-BODIES.

SPECIFICATION forming part of Letters Patent No. 675,863, dated June 4, 1901.

Application filed February 23, 1901. Serial No. 48,448. (No model.)

To all whom it may concern:

Be it known that I, GEORGE R. MCGINNIS, a citizen of the United States, residing at Argenta, in the county of Macon and State of Illinois, have invented new and useful Improvements in Scoop-Boards or End-Gates for Wagon-Bodies, of which the following is a specification.

This invention relates to certain new and useful improvements in end-gates for wagon-bodies, and embodies in its construction means whereby when the scoop-board is lowered for use it will be supported by engagement with a projecting end of the wagon-box and by pins attached to the side-boards of the wagon-box, the pins passing through segmental and eccentrically-disposed slots in the side wings of the scoop-board, the organization of the parts being such that when the scoop-board is placed in a vertical position it will bear upon a sill-piece or batten attached to the under side of the bottom boards of the wagon-box, the scoop-board being retained in such position by a latch, which engages with the pin, and by a stop which abuts against the batten.

In the accompanying drawings, Figure 1 is a perspective view showing my invention applied to a wagon-box, the scoop-board being maintained in a vertical position to close the end thereof. Fig. 2 is a side elevation, the scoop-board being shown lowered. Fig. 3 is a perspective view of a casting, which provides a brace for the side wings, and a latch-carrying frame. Fig. 4 is a detail view of the latch, and Fig. 5 a view of one of the pins which are attached to the wagon-box.

The wagon-box A is provided near its rear end and beneath its bottom boards with a sill-piece or batten *a*, which projects beyond the sides A'. The bottom boards extend slightly beyond the rear ends of the side pieces A', and to said side pieces are secured pins *b*, which project from a base-piece formed integral with the pins, and through the perforations in the base-piece are passed bolts for holding the fixture in place.

The scoop-board or end-gate B has on its outer side transverse cleats, and through the side wings B' are segmental or sector-shaped

slots C, the curve thereof being struck from a center which is considerably beyond the lower corner of the scoop-board. The slots C are of a width which will permit the passage therethrough of the pins *b*, and the main slot C is connected or communicates with a slot *c*, which leads to one edge of the scoop-board.

The side wings of the scoop-board B adjacent to the slots or pin-passages C *c* are reinforced or braced by castings D, each made in a single piece, which are shaped on one side to correspond with the contour of the pin-passages. The curved portion *d* of the casting D has adjacent to the end of the slot C an outwardly-projecting portion *d'* for the reception of a latch E, the same being held in place by a pin *e*, which is passed through the casting and latch, a spring *f* engaging the latch and the side wings B'. The latch is shaped to provide a lug, which engages the pin *b* and holds the same against one end of the slot when the board is raised, this latch having a handpiece for lifting the same out of the path of the pin, said handpiece also limiting the movement of the latch by abutting against an outwardly-projecting portion *d'* of the casting or brace D. The casting is provided near the end of the slot *c* with an outwardly-curved portion *d''*, beneath which the pin *b* may pass when it is desired to remove the end-gate from the wagon-box. Both ends of the casting D are bent at right angles, said bent-over portions being secured to the scoop-board and to the lower cleat thereof, as shown. The casting serves to brace the side wings B', the straight part forming a tie-piece, and below said tie-piece the side wings have extended portions *b'*, which are adapted to bear or rest upon the batten *a* when the scoop-board is raised.

When the scoop-board is in a vertical position, as illustrated by Fig. 1 of the drawings, the lug or projecting portion of the latch holds the pin against the end of the curved slot C, and the projecting portions *b'* of the side wings bear upon the laterally-projecting end of the sill or batten *a*. To lower the scoop-board, it is only necessary to release the latches from the pins, and as the board

is swung downward the slot and curved portion of the brace moving over the pins will raise the end of the scoop-board, so that the bottom boards thereof will rest upon the upper sides of the bottom boards of the wagon-box, thus positioning the scoop-board above the bottom boards of the wagon-box, so that it will not be cut or injured by the shovels or scoops. To remove the scoop-board from the wagon-box, it is first lowered, as is shown in Fig. 2, and then the end adjacent to the wagon is raised so that the pins will enter the straight portion of the slot *c* until they reach the end thereof, after which the pins may pass beneath the curved portions *d'* of the tie-piece, which will entirely free the scoop-board from the wagon-box. The upper cleat of the scoop-board may be connected to the bottom boards and to the side wings by bolts *g*, which bolts will assist in holding the parts together and prevent the side wings being split. In use the pins *b b* will bear upon the metallic brace, thereby insuring ease of movement in changing the position of the scoop-board, and said brace strengthens the side wings.

I claim—

1. In combination with a wagon-box having a sill-piece the ends of which project beyond the sides of the box, and outwardly-projecting pins, of a scoop-board having a curved slot which is intersected by a straight slot or

pin-passage, a brace having a tie-piece which is bent outwardly adjacent to the end of the straight portion of the slot and a sector-shaped portion corresponding with the curve of the slot, said sector-shaped portion having an offset, a latch pivoted between the offset portion of the brace and the side wings of the scoop-board, said latch being adapted to engage with the pin which projects from the side-board and passes through the slot, the side wings having a projecting portion beyond the tie-piece of the brace, substantially as shown and for the purpose set forth.

2. In combination with a wagon-box having outward-projecting pins attached thereto, of a scoop-board one of the side pieces having a segmental slot which at its lower end is intersected by a straight slot, a brace or casting which is shaped to correspond with the slots and to extend across the lower part of the scoop-board, the brace having an outwardly-projecting part adjacent to the end of the straight slot, substantially as shown and for the purpose set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

GEORGE R. MCGINNIS.

Witnesses:

J. H. TOWERS,

F. F. McMULLEN.