

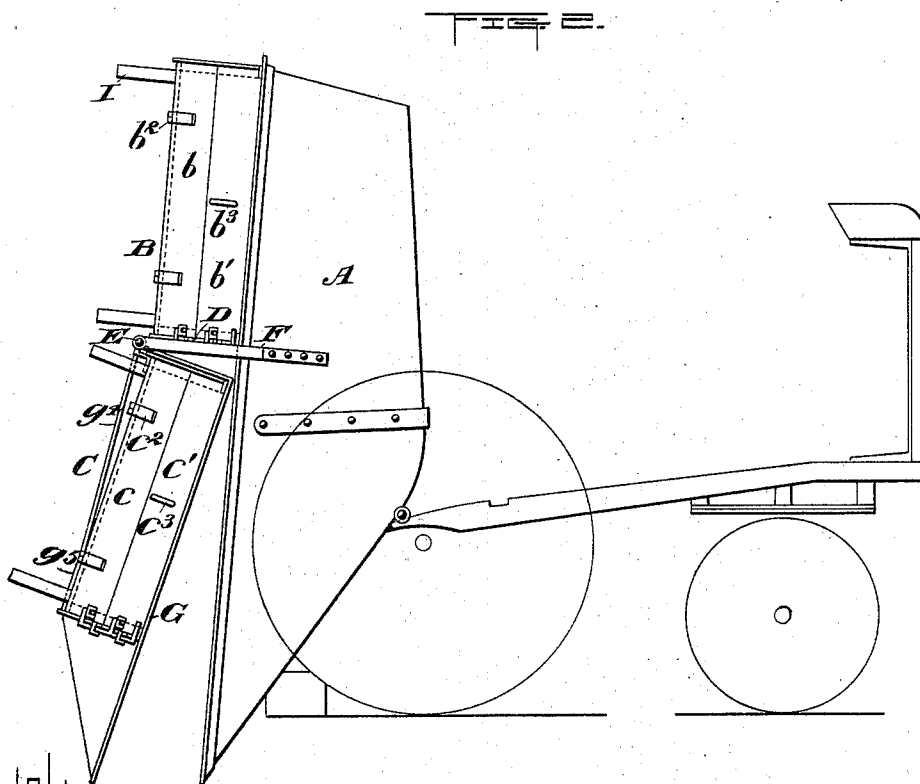
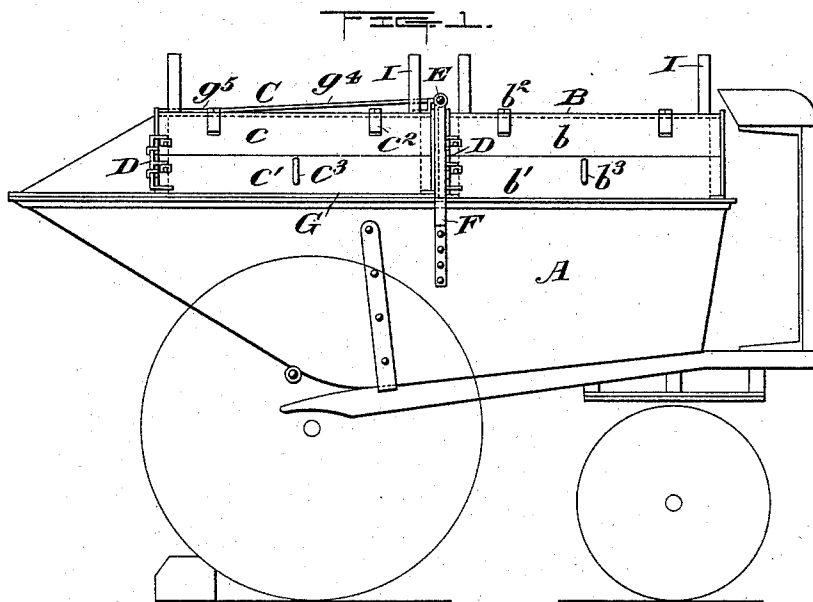
(No Model.)

2 Sheets—Sheet 1.

M. L. SENDERLING.
COVERED WAGON OR CART.

No. 574,078.

Patented Dec. 29, 1896.



Witnesses.
R. E. Howard.
George Barry.

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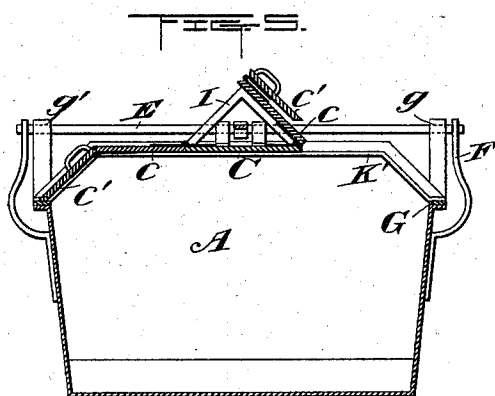
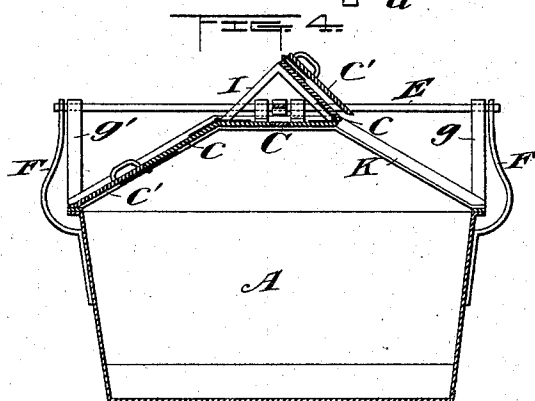
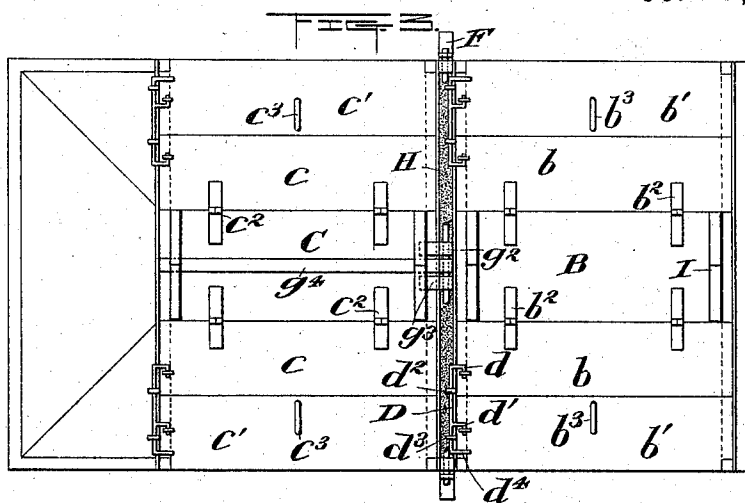
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2 Sheets—Sheet 2.

M. L. SENDERLING.
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UNITED STATES PATENT OFFICE.

MARTIN L. SENDERLING, OF JERSEY CITY, NEW JERSEY.

COVERED WAGON OR CART.

SPECIFICATION forming part of Letters Patent No. 574,078, dated December 29, 1896.

Application filed April 10, 1894. Serial No. 507,050. (No model.)

To all whom it may concern:

Be it known that I, MARTIN L. SENDERLING, of Jersey City, in the county of Hudson and State of New Jersey, have invented a new and useful Improvement in Covered Wagons or Carts, of which the following is a specification.

My invention relates to an improvement in covered wagons or carts, and more particularly to wagons or carts for removing refuse where it is desirable that the load should be exposed to as slight an extent as possible during the operation of loading and unloading and during the passage of the cart through the streets.

A practical embodiment of my invention is represented in the accompanying drawings, in which—

Figure 1 represents the wagon in side elevation with the body and its cover in the position which they assume while the wagon is being loaded and during its passage. Fig. 2 is a similar view showing the position of the body and its cover at the moment of dumping the load. Fig. 3 is a top plan view of the body with its covers closed, the pintle-rod for hinging the rear section of the cover being partially broken away to disclose the yielding cushion beneath. Fig. 4 is a transverse section through the line *xx* of Fig. 3, looking toward the front of the wagon; and Fig. 5 is a similar transverse section through the body, showing a cover of modified form.

The body of the wagon is denoted by A and is made with flaring sides and gradually decreasing in depth toward its rear end for convenience in dumping, the general shape of the body and the truck being of well-known form and arrangement.

The body A is provided with a cover the central portion of which is raised above the plane of the upper edges of the body A, the said cover consisting of two general sections B and C, the former fixed permanently to the body and the latter hinged in such a manner as to swing bodily away from the body during the operation of dumping. Each section B and C is further provided with a set of doors on each side of the wagon for purposes of loading the wagon. The particular form of doors which I prefer to use consists of a pair of folding sections *b b'*, the former hinged to the sta-

tionary central portion of the cover-section B, as shown at *b²*, so as to fold outwardly over toward the said central portion, and the door-section *b'* being hinged to the outer edge of the door-section *b*, so as to swing toward the under face of the section B when the latter is lifted from its normal position, as shown in Fig. 4.

The hinged cover-section C is provided with similar folding-door sections *c* and *c'*, hinged to its central portion, as at *c²*. For convenience in opening and closing the doors I provide the door-sections *b'* and *c'* with handles *b³* and *c³*.

Each set of folding doors is locked in closed position by means of a sliding bolt D, provided with hooked branches *d d'*, arranged to slide into staples or eyes fixed to the door-sections, the bolt itself being mounted in sliding and rotary adjustment in eyes or sockets *d² d³*, secured to the fixed portion of the cover. The bolt is conveniently provided with a handle *d⁴* for sliding it to engage or release its branches *d d'* with the doors and to rotate it in its bearings over out of the way of the doors and back again into position to lock them.

The cover-section C is hinged to a pintle-rod E, supported by a pair of side straps F, fixed to the body of the wagon.

The particular means which I have employed for hinging the cover-section are as follows: The section C is provided with an angle-iron edge frame G, which extends continuously around its sides and rear end, and from its front lower corners extends upwardly, forming a pair of hangers *g g'*, which at their upper ends loosely engage the pintle-rod E, as clearly shown in Fig. 4. To further secure the cover-section C to the pintle E and prevent it from any tendency to become displaced under lateral strain, I provide it upon opposite sides of its central portion with hinge-straps *g² g³*, which at one end engage the pintle-rod E and at their opposite ends are fixed to the central portion of the cover-section, and intermediate of the straps *g² g³* I provide a long strap *g⁴*, one end of which engages the pintle-rod E and the opposite end of which is fixed to the central portion of the cover-section C at a considerable distance to the rear of the pintle-rod E, as shown at *g⁵*, Fig. 2.

The joint between the stationary and hinged cover-sections B and C is filled with a cushion H of some suitable yielding material, such, for example, as rubber, which provision prevents any liability of the hinged section becoming unduly strained by the interposition of any hard small portion of the refuse which, if the joint were made tight and its opposite walls inflexible, might tend to produce such strain and would at the same time have a tendency to hold the hinged cover open to a greater or less degree. The cushion H extends across the upper edge of the stationary section, between it and the hinged section, and also down the sides of the meeting edges of the stationary and hinged sections.

I further find it convenient to provide slanting door-rests I, located in position to receive the opposite ends of the folded door-sections when the doors are open, as shown in Figs. 4 and 5.

In the form shown in Figs. 1, 2, 3, and 4 the folding doors when in normal position rest upon slanting end pieces K, extending straight from the middle portion of the cover-section down to its edge, as shown in Fig. 4, while in the form shown in Fig. 5 the said door-sections rest upon end pieces K', extending in a broken line from the central portion of the cover-section down to the edge.

In opening the doors when they are arranged in the manner shown in Figs. 1, 2, 3, and 4 it is necessary to first lift the hinged edges of the two door-sections and then push them back into folded position, while in operating the form shown in Fig. 5 it requires simply a push upon the outer door-section to cause it to slide open and fold onto the under side of the upper door-section.

It is obvious that numerous slight changes might be resorted to in the form and arrangement of the several parts without departing

from the spirit and scope of my invention. Hence I do not wish to limit myself strictly to the structure herein described; but

What I claim is—

1. The combination with the body and a cover-section fixed thereto, of another cover-section hinged at the edge of such fixed section to swing away from the body and a yielding cushion interposed between the meeting edges of such cover-sections adjacent to the hinge, substantially as set forth.

2. The combination with the body, of a cover comprising a stationary section and a swinging section, the swinging section of the cover being provided with an edge frame terminating in hinge-straps and a hinge-pintle with which the said straps engage, substantially as set forth.

3. The combination with the body and a hinge-pintle secured to and extending across the body, of a cover-section hinged to the said pintle at or near the outer edges of the cover and an additional hinge-strap connected at one end with the hinge-pintle and at its opposite end with the swinging cover at a point a considerable distance from the hinge-pintle, substantially as set forth.

4. The combination with the body and a swinging cover, of a hinge-pintle, straps connecting the hinge-pintle with the swinging cover at or near its outer edges, additional straps connecting the central portion of the cover with the pintle and a centrally-located strap connected at one end with the hinge-pintle and at its opposite end with the swinging cover at a point to the rear of the point where the aforesaid straps connect with the cover, substantially as set forth.

MARTIN L. SENDERLING.

Witnesses:

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