

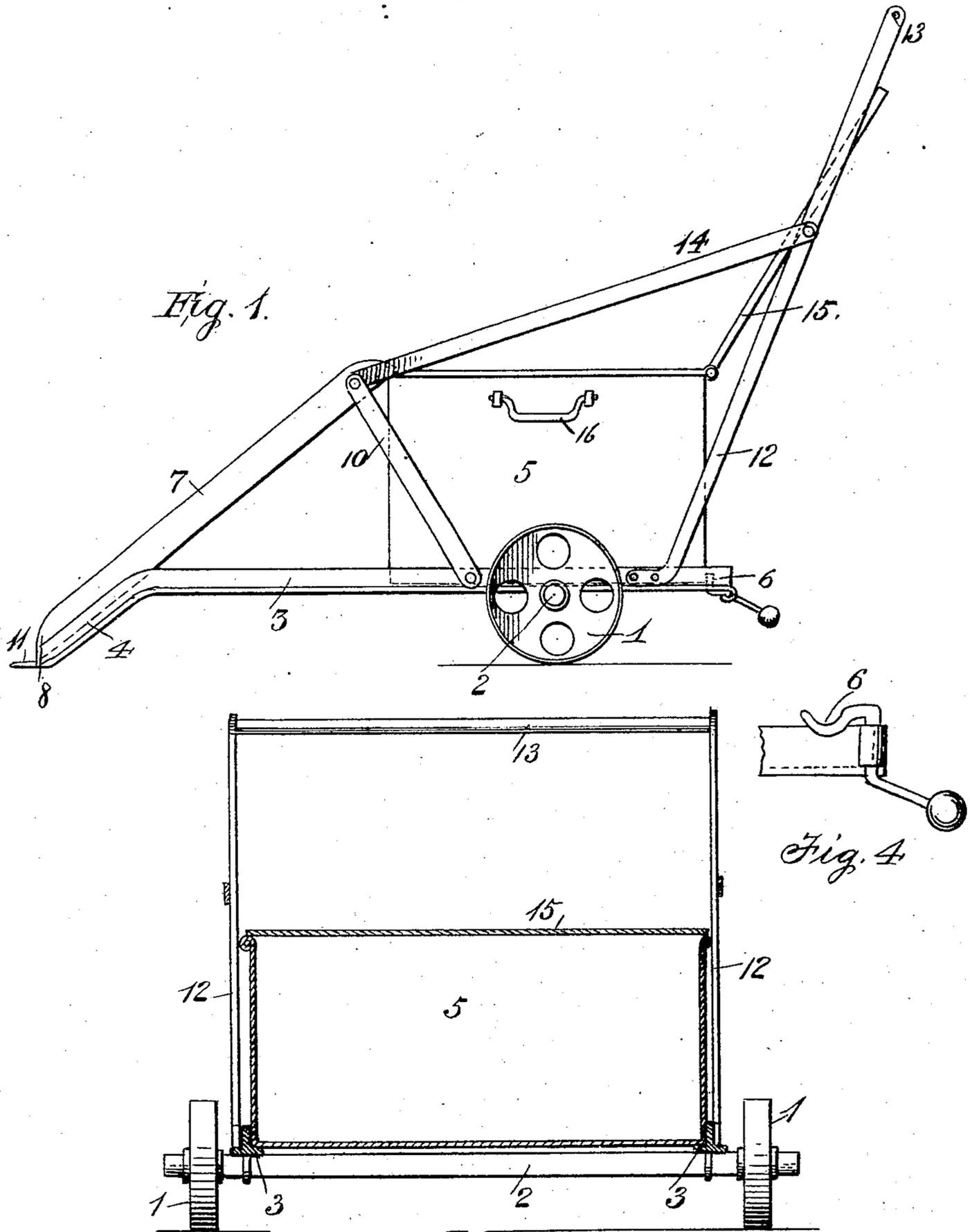
No. 855,619.

PATENTED JUNE 4, 1907.

W. A. CURTIS.
TRUCK.

APPLICATION FILED OCT. 23, 1906.

2 SHEETS—SHEET 1.



Inventor

Fig. 2

Witnesses
A. L. Curande
W. E. Lawson

By

Willard A. Curtis
Francis Appleson
Attorney

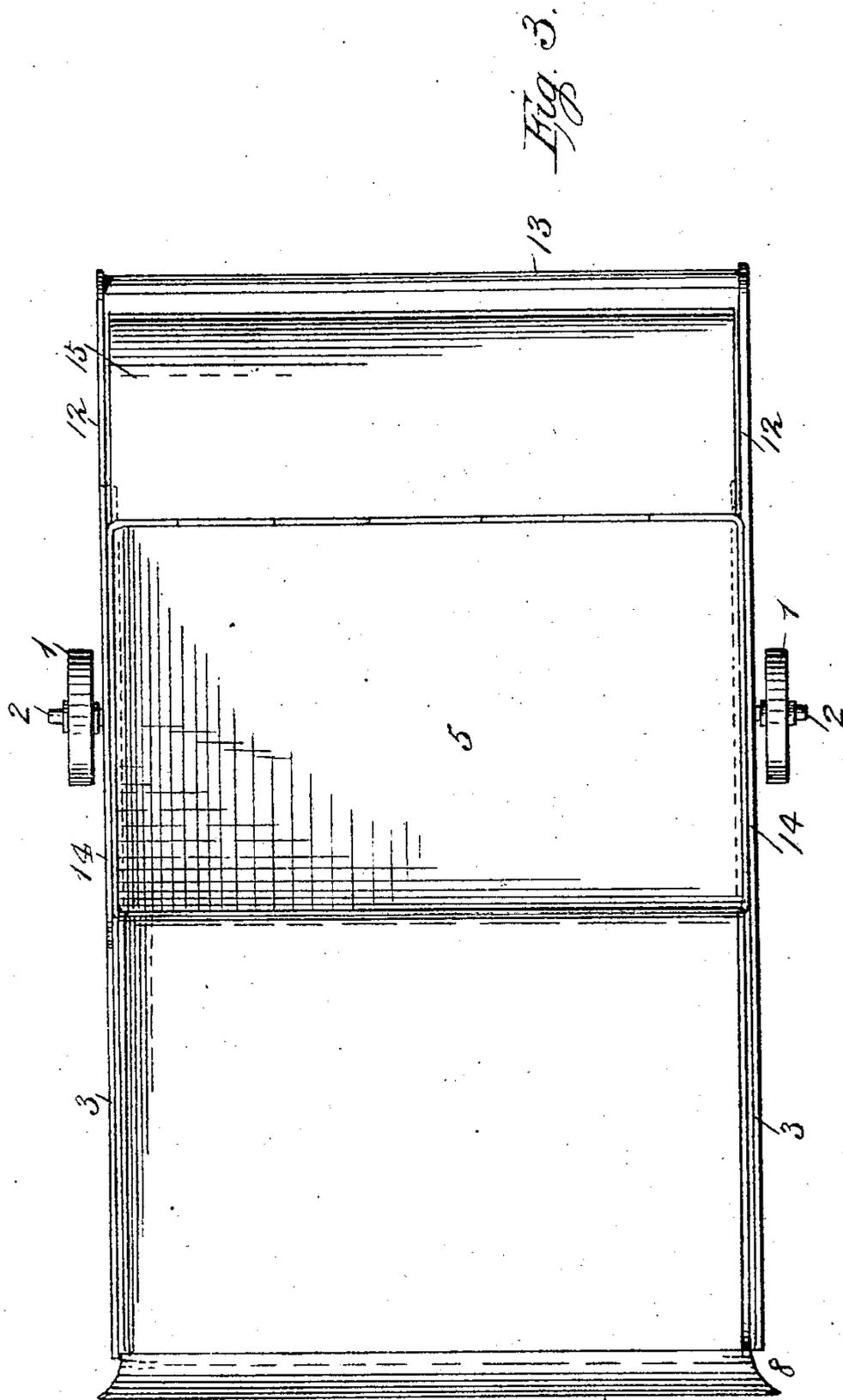
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Inventor

Witnesses
F. L. Curand
W. B. Lawson

By

William A. Curtis
Francis Appelman,
Attorney

UNITED STATES PATENT OFFICE.

WILLARD A. CURTIS, OF ST. PAUL, MINNESOTA.

TRUCK.

No. 855,619.

Specification of Letters Patent.

Patented June 4, 1907.

Application filed October 23, 1906. Serial No. 340,197.

To all whom it may concern:

Be it known that I, WILLARD A. CURTIS, a citizen of the United States of America, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented certain new and useful Improvements in Trucks, of which the following is a specification.

This invention relates to new and useful improvements in trucks and relates more particularly to that class employed for collecting refuse in the cleaning of highways.

It is an object of this invention to provide a novel device of this kind wherein the receptacle for receiving the refuse is easily removed or replaced.

It is also an object of this invention to produce a novel device of the character noted which will possess advantages in points of sanitation, simplicity, efficiency and durability, proving at the same time comparatively inexpensive to manufacture.

With the foregoing and other objects in view, the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail, reference will be had to the accompanying drawings forming part of this specification wherein like characters denote corresponding parts in the several views, in which—

Figure 1, is a side elevation of a street cleaning device embodying the invention. Fig. 2, is a vertical sectional view thereof, just back of the truck wheels. Fig. 3, is a top plan view thereof. Fig. 4, is a fragmentary detail.

In the drawings 1, denotes supporting wheels connected by the axle 2, and mounted on the axle adjacent the wheel are the rails 3, which extend quite a distance in front of the axle and terminate in the depending portion 4, intended to rest upon the ground. These rails are formed of angle iron and provide a guide-way for the receptacle of the refuse receptacle 5, which fits snugly within the rails. To prevent the receptacle from having any undue longitudinal movement on the rails, catches 6, are carried by the rails which engage the receptacle.

To the depending portion 4, of the rails is secured the end portion of a scoop 7, which has its lower end 8, flared and its sides 9, turned upward to prevent the refuse or material passing thereover from scattering as will, it is thought, be understood. The up-

per end of the scoop is supported by the braces 10, which are secured to the rails 3.

It may be well to mention that the scoop is arranged on a suitable incline. To the lower end of the scoop is fastened a plate 11, which extends the entire distance across the scoop, and projects slightly in front thereof. At the will of the operator this plate may be carried several inches above the ground or to contact with the surface of the ground by means of depressing or elevating the handle, thus enabling the operator to pass over solid obstructions or pick up refuse, at will.

Attached to the rear portion of the rails 3, are the lower ends of the handle bars 12, which are connected at the upper end by a cross rod 13. Brace rods 14, are arranged between the handle bars 12, and the top of the scoop 7.

The receptacle 5, is provided with a hinged cover 15, so that when the receptacle is filled, it may be closed to prevent the refuse therein from being scattered.

In operation the vehicle is wheeled to the pile of refuse to be collected, and said refuse is pulled up the scoop 7, by means of a brush, hoe, or other implement and caused to discharge within the receptacle 5. When the receptacle has been filled, the truck is wheeled to any suitable location where the receptacle is deposited and an unfilled receptacle substituted therefor. In order that the receptacle may be easily removed from the frame, it is only necessary to depress the handle bars which, through the medium of the braces 14, will cause the forward portion of the truck to elevate when the receptacle will easily slide from its guideway or rails. It may be well to mention that occasion may arise to release the catches from the receptacle.

It may be said that by the method commonly employed at present the sweepings are gathered in open trucks or wheeled scoops and deposited at convenient places on the street, where they remain until removed by the refuse wagon. When in process of loading, it is again open to the air or wind which carries off more or less of the dust and germs.

In order to facilitate the removal of the receptacle from the truck, the guides or handles 16, are provided.

It will be seen from the foregoing disclosure of the invention that undue handling of the sweepings is obviated and the said sweepings are not elevated on a shovel or like de-

vices which are commonly employed and hence are not subject to the action of the wind which so often carries the germ laden dust away from the operator. By the use of
5 this device a sanitary method is provided for elevating the sweepings and depositing them into a receptacle where as stated they are not subject to the action of the wind.

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

15 1. In combination, a wheeled support, guides carried thereby, a receptacle slidable within the guide, means carried by the guide for holding the receptacle against movement, and a scoop carried by the rails to discharge within the receptacle.

2. In combination, a wheeled support, guides carried thereby, a scoop arranged at

one end of the guides, braces interposed be- 20
tween an end of the scoop and the guides, a handle engaging the guides, and braces be-
tween the handle and the scoop.

3. In combination, a wheeled support, a handle therefor, guides carried thereby, a re- 25
ceptacle slidable within the guides, a catch holding the receptacle in place so arranged as to release the receptacle when the handle is depressed and allowing the receptacle by its gravity to slide rearward out of the grooves. 30

In testimony whereof I affix my signature in the presence of two witnesses, this 17th day of October, 1906.

WILLARD A. CURTIS.

Witnesses:

JOHN H. KAY,
HUMPHREY BARTON.