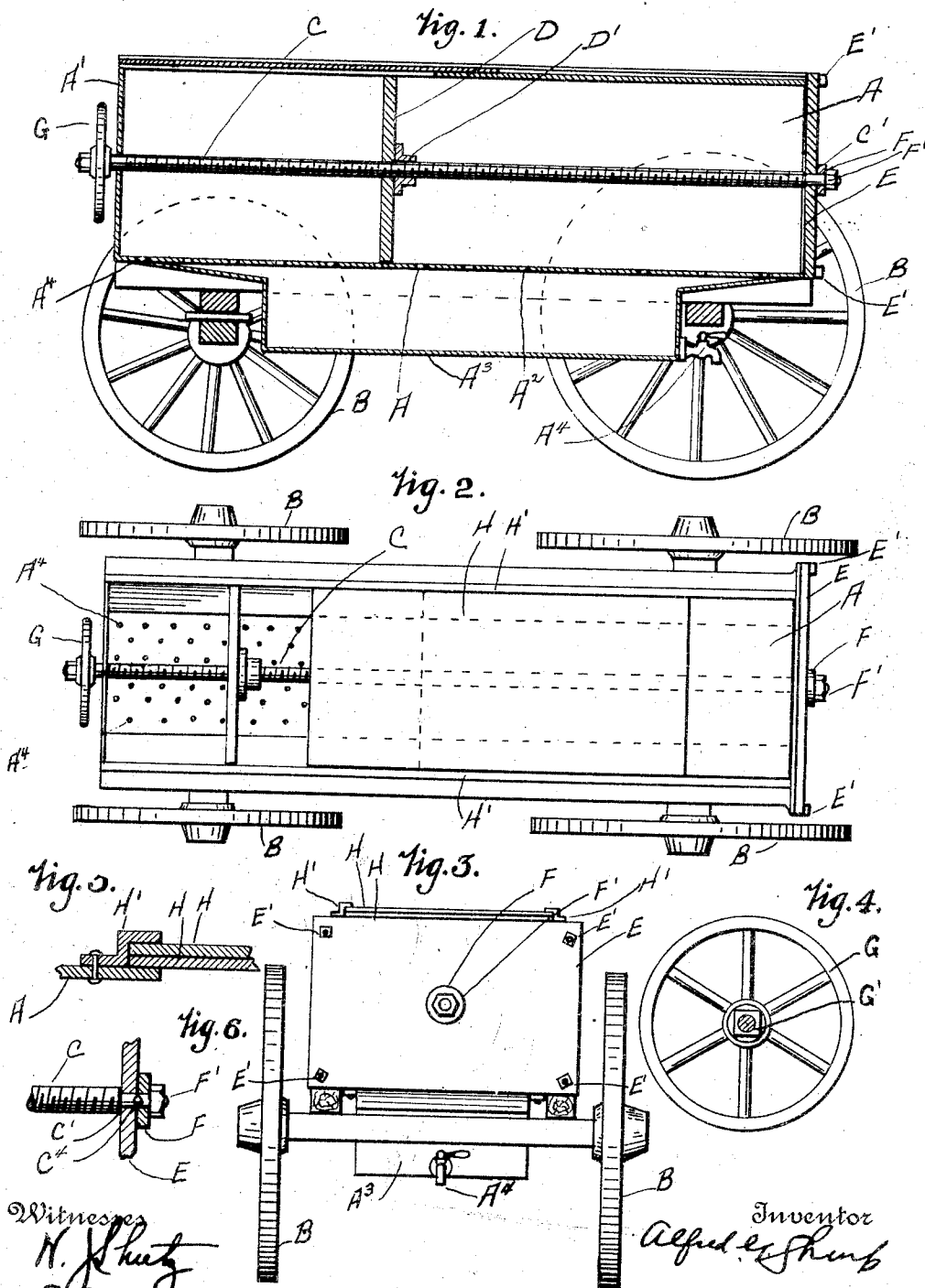


A. G. SHARP.
GARBAGE COLLECTING VEHICLE.
APPLICATION FILED OCT. 16, 1907.

902,115.

Patented Oct. 27, 1908.



Witnesses
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ALFRED G. SHARP, OF BETHESDA, MARYLAND

GARBAGE-COLLECTING VEHICLE.

No. 902,115.

Specification of Letters Patent.

Patented Oct. 27, 1908.

Application filed October 16, 1907. Serial No. 397,627.

To all whom it may concern:

Be it known that I, ALFRED G. SHARP, a citizen of the United States, residing at Bethesda, in the county of Montgomery and State of Maryland, have invented certain new and useful Improvements in Garbage-Collecting Vehicles, of which the following is a specification.

My present invention relates to improvements in garbage collecting vehicles or more particularly to garbage collecting vehicle bodies and has for its object to provide a means within the body for compressing the garbage as it is deposited, separating the fluids which may be discharged into any convenient sewer and increasing the carrying capacity of solids.

I attain this object by the mechanism and arrangement of parts illustrated in the accompanying drawing in which

Figure 1, represents a vertical central section of the vehicle, Fig. 2, a plan view of same, Fig. 3, an end elevation of same, Fig. 4, a detail of hand wheel showing square hole to take squared end of screw, Fig. 5, a detail in cross section of the sliding doors on top of the body, Fig. 6, a detail of rear end of the compressing screw manner of securing same to the rear end of the body.

Similar letters refer to similar parts throughout the several views.

Referring to the drawings: A represents the body which is made of sheet metal or any other suitable material, secured in any proper manner to the wheels B—B. C represents the compressing screw which passes through the front end A¹ of the body A, then through the compressing plate D which is provided with a threaded nut D¹ to receive the screw thread. The rear end of the screw C is reduced to form a shoulder C¹ which abuts against the plate E, which in turn forms the rear end of the body A. The reduced end of the screw C is provided with a hole C² drilled through its body for the purpose of attaching a cord or chain when it is desired to draw the contents of the body through the rear end. The reduced end of the screw C passes through the plate E and then through the washer F and is provided with a nut F¹ which serves to keep the screw in position. The front end of the screw C is provided with a hand wheel G which has a square hole G¹ to receive the squared end of the screw C. It can thus be seen that when

the hand wheel G is turned, motion is transmitted to the screw C and then to the compressing plate and causing it to move up or down the body A according to the direction the wheel is turned. The bottom of the body A is provided with a series of perforations A² which communicate with a fluid chamber A³ fastened in any suitable manner to the bottom of the body A. This fluid chamber is provided with a cock A⁴ which serves to draw off the fluids when desired.

The top of the body A is provided with two sliding doors H—H which slide one over the other between two rabbets H¹ so that access can be had to the interior of the body at either end. The body is loaded by opening the rear sliding door H and depositing the garbage or waste material in the rear end. The compressing plate D having been drawn by means of the screw C and the hand wheel G toward the front of the body out of the way. When sufficient has been loaded, the hand wheel G is turned which turns the screw C and causes the compressing plate D to tightly compress the garbage and remove the fluids which pass into the fluid chamber A³ through the perforations A² from which they are drawn off through the cock A⁴. When desired to remove the compressed contents of the body A, the hand wheel G is removed, then the nut F¹ and the washer F is removed, after which the nuts E¹ are removed and the back plate E is lifted off. A cord or chain is then attached to the end of the screw C, through the hole C² and the screw and compressing plate is drawn out through the rear end bringing the compressed contents with them.

Having described my invention, what I desire to secure by Letters Patent are:

1. In a garbage collecting vehicle, a body of metal or other suitable material, running on wheels and provided with means for compressing the contents.

2. In a garbage collecting vehicle, a body of sheet steel running on wheels provided with means for compressing the contents of the body, separating the fluids therefrom.

3. In a garbage collecting vehicle, a body of sheet metal running on wheels adapted to be propelled by any suitable power and provided with longitudinal means for compressing the contents and extracting the fluids therefrom.

4. In a garbage collecting vehicle, a body

of sheet metal running on wheels adapted to be propelled by any suitable power, provided with longitudinal means for compressing the contents, and provided with a fluid chamber to catch and hold the fluids.

5 5. In a garbage collecting vehicle, a body of sheet metal running on wheels, adapted to be propelled by any suitable power, provided with longitudinal means for compressing the contents, chamber to catch the fluids, means for drawing off the fluids and sliding doors on top of the body substantially as described.

10 6. In a garbage collecting vehicle, a body provided with a screw, actuated by a hand wheel, screw running through threaded hole in a compression plate for the purpose of compressing the contents when wheel is turned substantially as described.

15 7. In a garbage collecting vehicle, a body provided with a screw, running longitudinally through the body, provided with a hand wheel running through threaded hole in a compression plate, a compression plate

and means for securing other end of screw to the end of body substantially as described. 25

8. In a garbage collecting vehicle, a body provided with a screw running longitudinally through the body provided with means for turning same, running through and operating a compression plate, a compression 30 plate, a back plate forming end of the body and means for securing the end of the screw to the back plate.

9. In a garbage collecting vehicle, a body carried on wheels, adapted to be propelled by 35 any suitable means, provided with means for compressing the contents, separating the fluids therefrom, means for retaining and drawing off same, substantially as described and for the purposes set forth. 40

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

ALFRED G. SHARP.

Witnesses:

W. J. SHEETZ,
A. C. GLANCY.