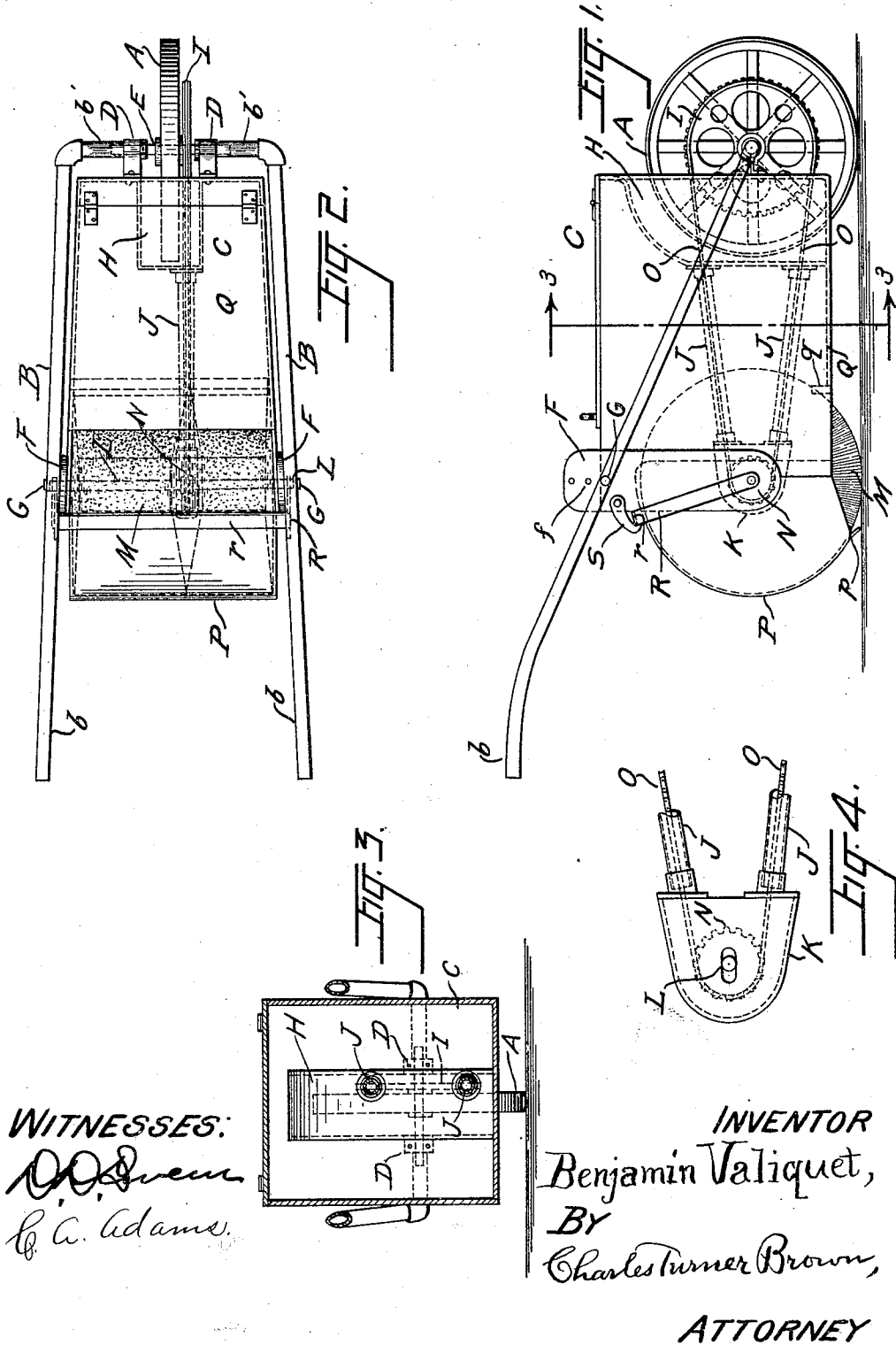


B. VALIQUET.
STREET CLEANING AND CONVEYING MACHINE.
APPLICATION FILED APR. 17, 1909.

944,705.

Patented Dec. 28, 1909.



WITNESSES:
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UNITED STATES PATENT OFFICE.

BENJAMIN VALIQUET, OF CHICAGO, ILLINOIS.

STREET-CLEANING AND CONVEYING MACHINE.

944,705.

Specification of Letters Patent.

Patented Dec. 28, 1909.

Application filed April 17, 1909. Serial No. 490,625.

To all whom it may concern:

Be it known that I, BENJAMIN VALIQUET, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Street-Cleaning and Conveying Machines, of which the following, when taken in connection with the drawing accompanying and forming a part hereof, is a full and complete specification, sufficient to enable those skilled in the art to which it pertains to understand, make, and use the same.

This invention relates to devices designed to clean, by sweeping, the pavement of a street, and to convey the sweepings from the street to a determined place. And the object of the invention is to obtain a device which can be actuated and controlled by a man on a crowded street or boulevard, and by means of which the pavement can be swept, the sweepings automatically collected and deposited in the receptacle of the device, and conveyed to a determined place and unloaded.

A further object of the invention is to obtain a device of the character named which can be adjusted for convenient use by men of different stature.

A further object of the invention is to obtain a device of the kind named which will be economical in manufacture, durable, and not liable to get out of order. And a further object of the invention is to obtain a device of the kind named which is easily manipulated on a street or boulevard where considerable travel by swiftly moving vehicles occurs.

In the drawing referred to Figure 1 is a side elevation of a device embodying the invention. Fig. 2 is a top plan view. Fig. 3 is a vertical section on line 3—3 of Fig. 1, viewed in the direction indicated by the arrows. And Fig. 4 is a vertical section of a detail of the driving gearing of the device embodying the invention.

A reference letter applied to designate a given part is used to indicate such part throughout the several figures of the drawing, wherever the same appears.

The device presents somewhat the appearance of a wheelbarrow, and is provided with a single wheel A and a frame, B, having handles *b, b*, and with the receptacle C.

D, D, are brackets on one end of receptacle C, and E is the axle of wheel A. Axle

E is arranged to turn in brackets D, D. The ends *b'* of frame B are secured in the brackets D, D.

F, F, are standards secured to the sides of receptacle C, and *f, f*, are apertures or recesses in standards F.

G is a pin which is removably put into a determined one of the apertures or recesses *f, f*, and which extends through the frame B. Raising and lowering of handles *b, b*, is thus provided for, so that the device may be adjusted for use by a person of a given height.

H is a recess in one end of receptacle C in which recess the wheel A and the driving wheel I extend. The driving wheel I is rigidly secured to the wheel A to turn therewith.

J, J are conduits or ways rigidly attached to the wall of the recess H, and to casing K. Casing K is maintained in position by such conduits or ways J, J.

L is a shaft rotatably mounted in journal bearings in standards F, F.

M is a brush mounted on shaft L, and N is a sprocket wheel secured to such shaft L to turn therewith. Sprocket wheel N is contained in the casing K and fixed to shaft L.

O is a sprocket chain arranged to extend through the conduits J, J, and around the wheels I and N, so that the brush M is rotated by the rotation of the wheel A as the device is trundled along the pavement by handles *b, b*.

P is an apron attached to one end and to the sides of the receptacle C, such sides being extended to reach the apron.

Q is the bottom of receptacle C, and *q* is a bar which is arranged to be brushed by the ends of the resilient members of brush M.

The edge *p* of apron P is arranged to touch, or to nearly touch, the pavement when the brush M is in proper relative position to the pavement to sweep material and articles on the pavement on to the apron. Articles swept on to apron P by brush M are carried upward on said apron and thrown therefrom over into the receptacle.

When handles *b, b*, are properly adjusted to suit the person operating the device, it may be trundled over the street or pavement with the brush in contact therewith, and when it is desired to sweep an article or thing from the street or pavement into the receptacle C a slight lowering of the handles *b, b*, will suffice so to do. The sides of

the casing K may consist of sheet metal, as tin, or of wood.

R, R, are supports pivotally attached to the receptacle C. They are shown mounted
5 on the ends of the shaft L, and as tied together by the bar r.

S is a latch arranged to engage with the bar r, (or with one of the supports R, R,) to hold said supports in an inoperative position.
10 tion.

When the device is to be left standing unused the supports R, R, are unlatched and turned down to hold the brush M up off the street or pavement, or other thing on
15 which the device is standing.

To operate the device it is moved along the street and the wheel A is turned thereby. Turning of the wheel A turns driving wheel I, and by means of flexible connection O
20 and driven wheel N the brush is rotated to brush material on the street on to the apron P and up said apron into the receptacle C, whenever the handles b, b, are lowered to bring the brush and apron in contact with
25 the pavement.

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

1. The combination of a wheel provided
30 with an axle, a receptacle pivotally attached to the axle and a frame pivotally attached to said axle, said frame provided with handles, means to attach the frame and the receptacle together with the handles of the
35 frame in an adjusted position, a rotatably mounted brush, means to rotate the brush by the rotation of the wheel, and an apron arranged to receive material swept thereonto by the brush and to direct the same
40 into the receptacle.

2. The combination of a wheel provided with an axle, a receptacle and a frame, said

receptacle and frame pivotally attached together and to the axle, said frame provided with handles and means to attach the frame
45 and receptacle rigidly together with the handles in an adjusted position, a brush rotatably mounted in the receptacle adjacent to one end thereof, a driving pulley on the wheel, a driven wheel on the brush, a flexible
50 connection between said wheels, and a conduit in said receptacle through which the flexible connection extends, and an apron arranged to receive material swept thereonto by the brush and to direct said material into
55 the receptacle.

3. The combination of a wheel provided with an axle, a receptacle, and a frame, said receptacle and frame pivotally attached together and to the axle, the said frame provided with handles and means to attach the
60 frame and receptacle together with the handles in a determined position, a brush rotatably mounted in the receptacle adjacent to one end thereof, the bottom of said receptacle provided with an aperture therein and the receptacle and brush respectively arranged so that the flexible members of the
65 brush extend through said aperture, a driving wheel on the wheel, a driven wheel on the brush, a flexible connection between said wheels, a casing arranged to form a cover to the driven wheel, conduits attached to one end of the receptacle and to said casing, said
70 conduits arranged so that the flexible connection extends therethrough, and an apron arranged to form one end of the receptacle and to receive material swept thereonto by the brush and to direct said material into the said receptacle.
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BENJAMIN VALIQUET.

In the presence of—

CORA A. ADAMS,

CHARLES TURNER BROWN.