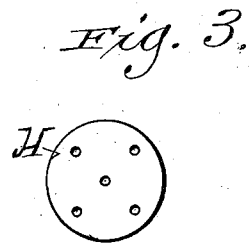
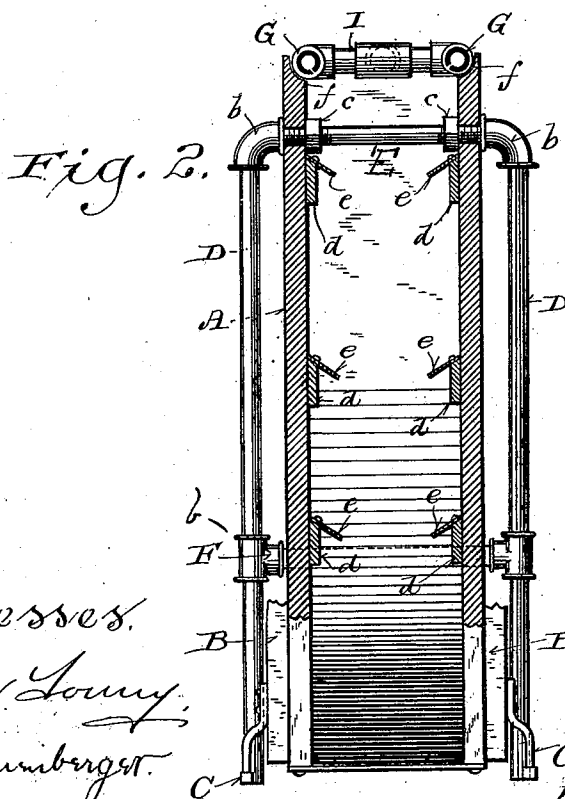
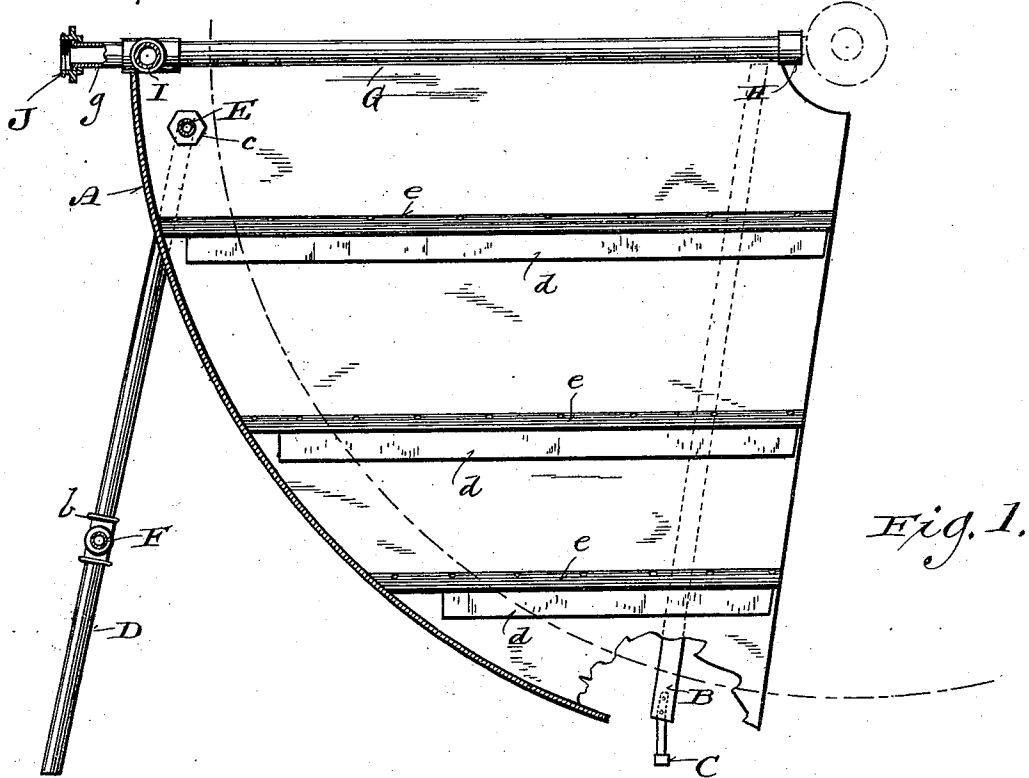


(No Model.)

F. A. DIEFFENBACH.
WHEEL WASHER.

No. 510,680.

Patented Dec. 12, 1893.



Witnesses.
Geo W Louny
J. H. Lumberger

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UNITED STATES PATENT OFFICE.

FREDERICH A. DIEFFENBACH, OF MILWAUKEE, WISCONSIN.

WHEEL-WASHER.

SPECIFICATION forming part of Letters Patent No. 510,680, dated December 12, 1893.

Application filed June 19, 1893. Serial No. 478,137. (No model.)

To all whom it may concern:

Be it known that I, FREDERICH A. DIEFFENBACH, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee, and in the State of Wisconsin, have invented certain new and useful Improvements in Wheel-Washers; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention has for its object to provide a simple, economical device for washing the wheels of carriages and analogous vehicles; the same consisting in certain peculiarities of construction and combinations of parts hereinafter described with reference to the accompanying drawings and subsequently claimed.

In the drawings: Figure 1 represents a vertical longitudinal section of my wheel-washing device; Fig. 2, a front elevation of the same partly in transverse section; and Fig. 3, a detail front view of a sprinkler-head forming part of said device.

Referring by letter to the drawings A represents a preferably segmental water-way. The one herein shown comprises wooden sides, united by any suitable means, and a sheet-metal plate joined to the curved lower edges of said sides. The upper front corners of the water-way sides are cut away on arcs of circles to give clearance for the hub of a wheel, and as herein shown I provide said water-way sides with vertically disposed cleats B to which metallic feet C are suitably secured.

In order to vary the angle of the water-way A and thereby accommodate the same to wheels of less than a predetermined maximum radius I employ pivotal rear legs D, and as a matter of preference these legs are made from gas-pipe united by couplings *b* to upper and lower braces E, F, of like material, the former brace being loose in openings in the sides of the water-way and set nuts *c* relatively arranged on this brace, as shown in Fig. 2, serve to clamp the legs in their adjusted position. Upon its interior each side of the water-way is provided with a series of horizontal cleats *d* having inclined upper edges. Fast to these upper edges of the

cleats are strips *e* of rubber or other suitable water proof material that converge toward each other in pairs, as is also illustrated in Fig. 2. The upper edges of the water-way sides are made somewhat concave to form seats *f* for a pair of pipes G perforated at regular intervals of their lengths and the front ends of these pipes are provided with heads H having perforations therein. As herein shown the pipes G are suitably connected to a transverse union I having a branch *g* provided with a coupling J for a hose or other conveyer leading from a source of water supply.

In practice the sprinkling devices are connected to a water supply system and the water-way positioned so as to receive a vehicle wheel previously elevated by means of a jack placed under its axle, this wheel being indicated by dotted lines in Fig. 1. The water is now turned on and the wheel rotated by hand in order that its hub, spokes and rim may be washed, the water in its descent from the sprinkler pipes G being diverted from one side to the other of the water-way by the deflectors above specified. The washing having been completed, the wheel is rinsed off by giving it a rotation in a direction opposite to that at which it was previously turned.

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

1. A suitable water-way, sprinkling-pipes mounted thereon, suitable means for the connection of these sprinkling-pipes with a source of water-supply, and deflectors upon the interior of the water-way, substantially as set forth.

2. A suitable water-way provided with pivotal rear legs, sprinkling-pipes mounted on the water-way, and suitable means for connecting the sprinkling pipes with a source of water supply, substantially as set forth.

3. A wheel-washer comprising a water-way having segmental sides joined to a curved bottom, the upper front corners of the sides being cut away on arcs of circles to give clearance for the hub of a wheel, sprinkling-pipes arranged on the water-way at the sides

thereof, a union for the pipes provided with
a coupling for connection with a water-con-
veyer, a series of deflectors upon the interior
of said water-way, and suitable legs for sup-
5 porting the parts aforesaid, substantially as
set forth.

In testimony that I claim the foregoing I

have hereunto set my hand, at Milwaukee, in
the county of Milwaukee and State of Wis-
consin, in the presence of two witnesses.

F. A. DIEFFENBACH.

Witnesses:

N. E. OLIPHANT,

J. W. SENENBERGER.