

No. 640,118.

Patented Dec. 26, 1899.

J. J. ECK.

COMBINED SPRINKLER AND DIRT WAGON.

(Application filed Apr. 27, 1899.)

(No Model.)

Fig. 1.

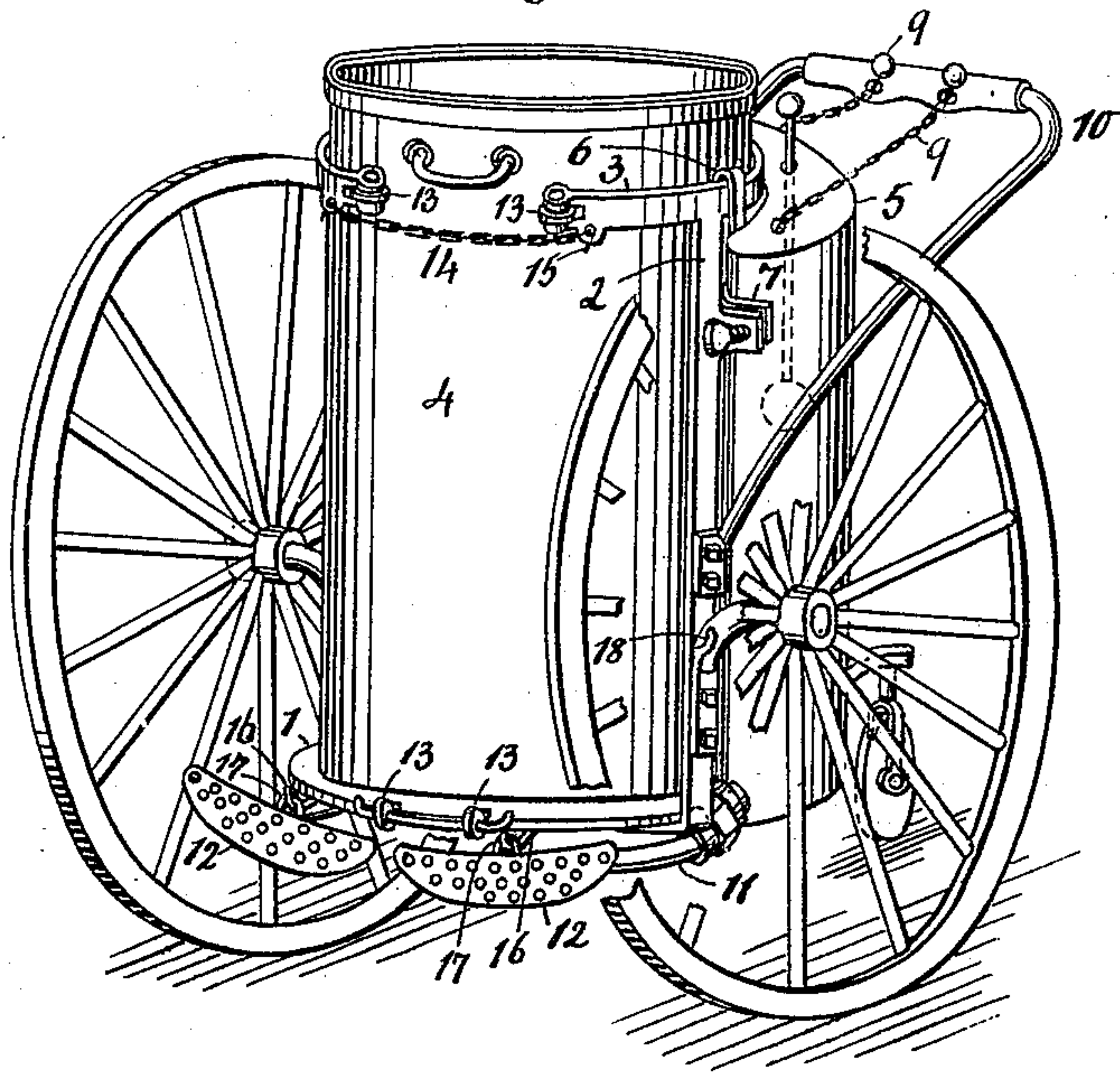


Fig. 2.

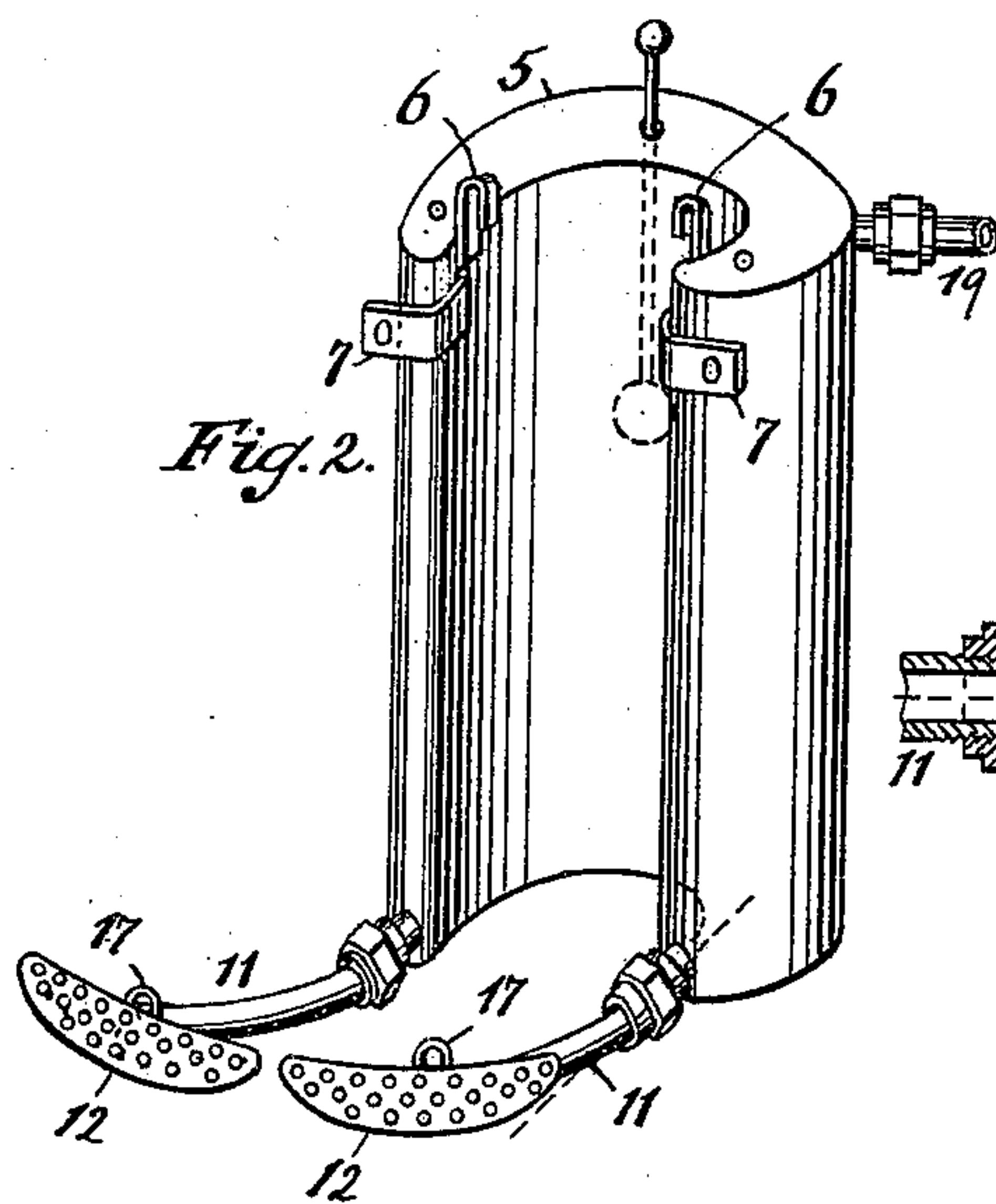


Fig. 3.

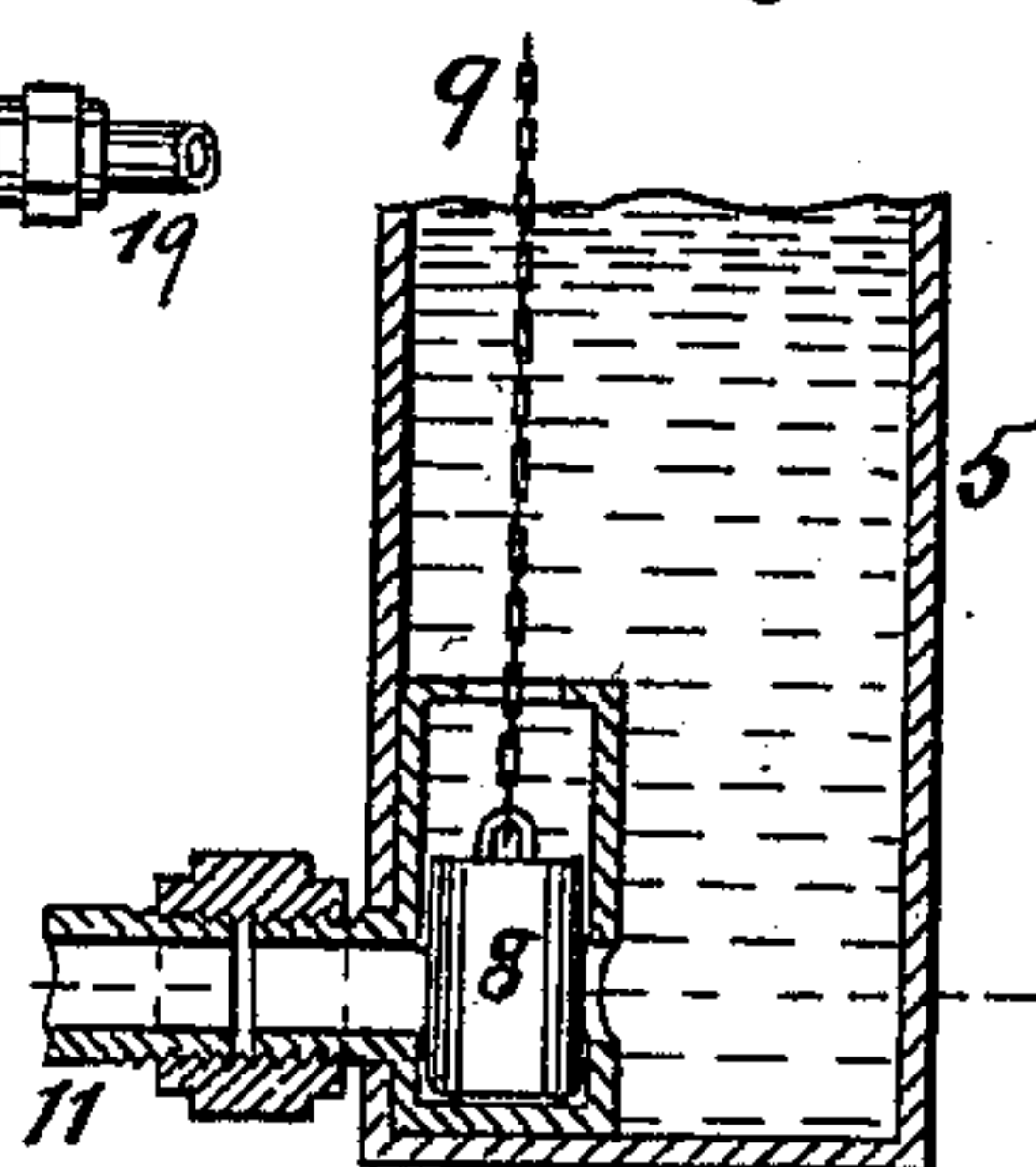
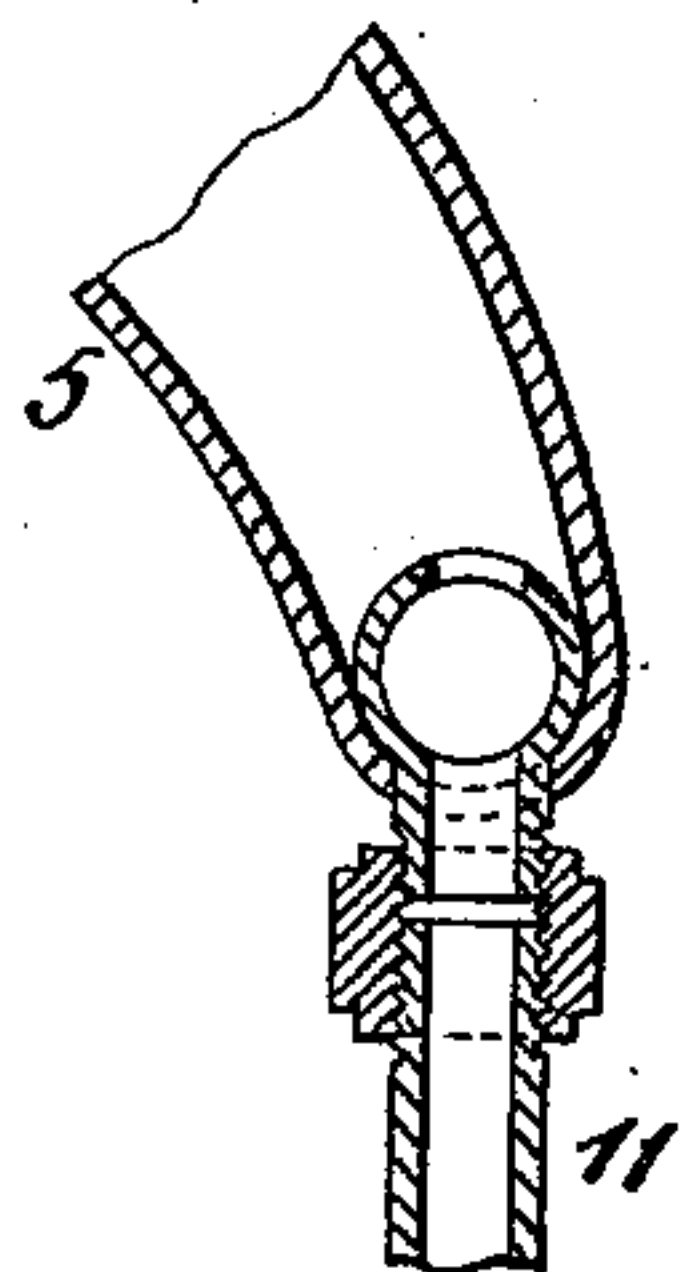


Fig. 4.



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COMBINED SPRINKLER AND DIRT-WAGON.

SPECIFICATION forming part of Letters Patent No. 640,118, dated December 26, 1899.

Application filed April 27, 1899. Serial No. 714,704. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. ECK, a citizen of the United States, residing at New York, borough of Manhattan, in the county and State of New York, have invented new and useful Improvements in a Combined Sprinkler and Dirt-Wagon, of which the following is a specification.

By means of this invention the labor of sprinkling and cleaning a street or the like is facilitated; and the invention resides in the novel features of construction set forth in the following specification and claims, and illustrated in the annexed drawings, in which—

Figure 1 is a perspective view of a wagon with a sprinkler and a dirt-receptacle, parts being broken for clearer illustration. Fig. 2 is a perspective view of a tank with a sprinkler. Fig. 3 is a detail sectional view of a part of the tank at a valve. Fig. 4 is a transverse section of Fig. 3.

In the drawings is shown a three-wheeled dirt-wagon, on the body of which can be mounted or supported a can or bag as commonly seen in charge of a sweeper on the public streets. The sweeper has heretofore been obliged to carry a separate sprinkling-can to moisten the street. To avoid this inconvenience, the present invention provides a sprinkler-tank with sprinkling arrangement which can be detachably secured to the wagon. This wagon has platform 1, from which rise the frame-posts or side bars 2, which at their upper ends have attached the three-quarter or open ring or brace 3, the ends or arms of which are elastic and tend to spring inward and yieldingly clasp or close in on the dirt can or receptacle 4, so that the latter is firmly held in place and spilling of contents avoided.

About the wagon-frame 2 3 is placed the sprinkling arrangement, consisting of a water-tank 5, of semicircular or similar shape in cross-section, to extend partially around, embrace, and fit the can 4. The tank has hooks 6 and clamps or securing parts 7, which, attached to the clasp or brace 3 and frame-posts 2, respectively, properly support such tank. At each lower side or corner the tank has a valve 8, operated by two independent chain connections 9, leading to the handle 10 of the wagon-frame in convenient reach of the sweeper. From the valves 8 lead feed-pipes

11 to the sprinkler 12, each pipe 11 supplying one-half of the sprinkler, the latter being in two sections, so that sprinkling can be done at both sides at the same time or only one side (right or left)—as, for instance, in a gutter. The pipes 11 are seen to lead somewhat beneath platform 1, so that the spray device or sprinkler 12 is not in the way of the can when the latter is removed, as for emptying the contents. The cylindrical can is removed by pulling it bodily rearward on the platform 1, the spring-arms of the open ring or brace 3 yielding sufficiently for this. Such removal of can 4 from platform 1 is facilitated by providing the latter at its outer edge with rollers 13, and the ends of the arms or brace 3 are also provided with such rollers 13 for a like purpose. The spring-arms of the open ring or brace 3 can be held fixed by a chain 14, having hook attachment 15, when the can or receptacle 4 is in position, so as to prevent the latter from tilting or otherwise losing its proper position.

This sprinkling device can be attached to wagons adapted for bags or other receptacles as well as cans.

The spray device or sprinkler 12 can be one piece suitably partitioned off into separate chambers or a series of independent sprinklers, each with its connection or flexible hose 11. The sprinklers can be suspended under the platform 1 by suitable means, such as hooks 16 and eyes 17. Being under the platform, the sprinklers are protected and will not be injured or crushed by the can. The spray devices or sprinklers can be hung at the sides of the cart by the lateral hooks or attachments 18 when desired. The cleaner or sweeper operating with this device, drawing the cart after him by handle 10, can readily grasp or pull one or both valve connections 9, and the sprinkling which occurs taking place back of or at the other side of the cart that occupied by the sweeper, the latter need not spatter or soil his clothes or uniform. The valve-actuating cord or connection being extended to the handle can be suitably supported or held therein by an eyelet or other connection, and each cord 9 can be actuated independently of the other. The detachable hooks and clamps 6 and 7, at the top 3 and sides 2 will steady or securely hold the reser-

voir 5 and allow the same to be dismantled, as for repairs or when not to be used—say in freezing weather. The detachable sprinkler 12 and dismantlable or disconnectible hose 11 5 can also be removed and replaced as required. The valve or plug 8 normally closes or drops by its weight; but any suitable valve can be applied to be opened or operated by connection 9. The clamps 7 can be of any suitable form— 10 as, for example, tapped lugs adapted to be releasably engaged by screws or bolts. The reservoir 5 can have any suitable filling-opening, hose, or connection, as indicated at 19.

What I claim as new, and desire to secure 15 by Letters Patent, is—

1. A dirt-wagon and sprinkler, consisting of a wheeled frame, a dirt-receptacle detachably mounted on the frame, a water-reservoir carried by the frame and curved in cross-section 20 to extend around, embrace and fit against the dirt-receptacle, and a spray device connected with the reservoir, substantially as described.

2. A dirt-wagon and sprinkler, consisting 25 of a wheeled frame composed of vertical side bars having a platform at the lower end and a brace-ring at the upper end, a removable dirt-receptacle resting on said platform and held by said brace-ring, a water-reservoir fitting against the dirt-receptacle and detachably engaged at its upper end with said brace-ring, a spray device, and a connection between the spray device and the reservoir, 30 substantially as described.

3. A dirt-wagon and sprinkler, consisting 35 of a wheeled frame composed of vertical side bars having a platform at their lower ends and a brace-ring at their upper ends, a removable and replaceable dirt-receptacle resting on

said platform and engaged with the brace- 40 ring, a water-reservoir curved in cross-section to embrace and fit the dirt-receptacle, devices on the upper end of the reservoir engaging said brace-ring, devices connecting the reservoir with said vertical side bars, and a spray 45 device connected with the reservoir, substantially as described.

4. A dirt-wagon and sprinkler comprising a frame adapted to support or hold a receptacle, a reservoir having hooks and clamps 50 made to engage the top and side bars of the frame, and a sprinkler for the reservoir substantially as described.

5. A dirt-wagon and sprinkler comprising a frame for holding a receptacle, a reservoir, 55 and a series of sprinklers, said sprinklers being detachable and independent of one another and the frame having hooks or lateral supports 18 for the sprinklers substantially 60 as described.

6. A dirt-wagon comprising a frame having a platform for supporting a receptacle and provided with antifriction-rollers for easing the removal and replacement of the receptacle 65 substantially as described.

7. A dirt-wagon comprising a frame having a platform for supporting a receptacle and provided with an open ring or clasp having antifriction-rollers at the opening for easing the removal and replacement of the receptacle 70 substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOHN J. ECK.

Witnesses:

WM. C. HAUFF,

CHAS. E. POENSGEN.