

O. A. NESS.
FLOOR SCRUBBING MACHINE.
APPLICATION FILED JULY 2, 1909.

966,230.

Patented Aug. 2, 1910.

Fig. 1.

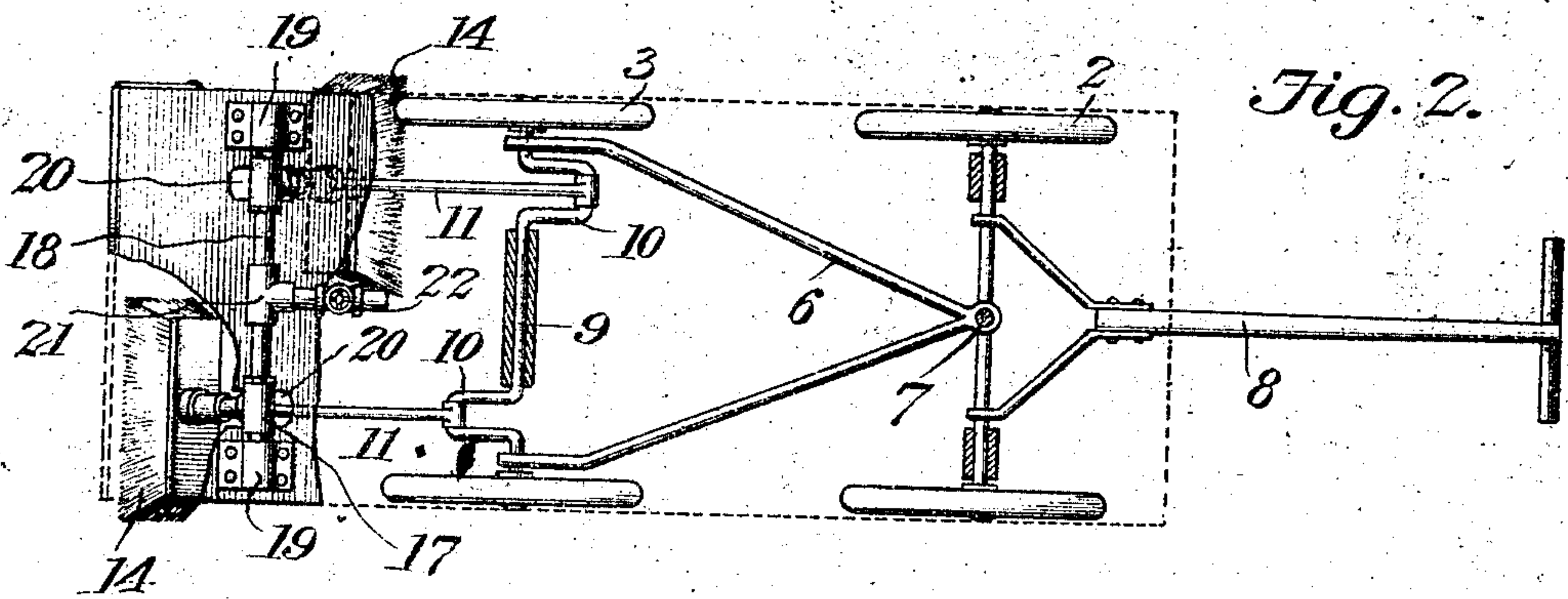
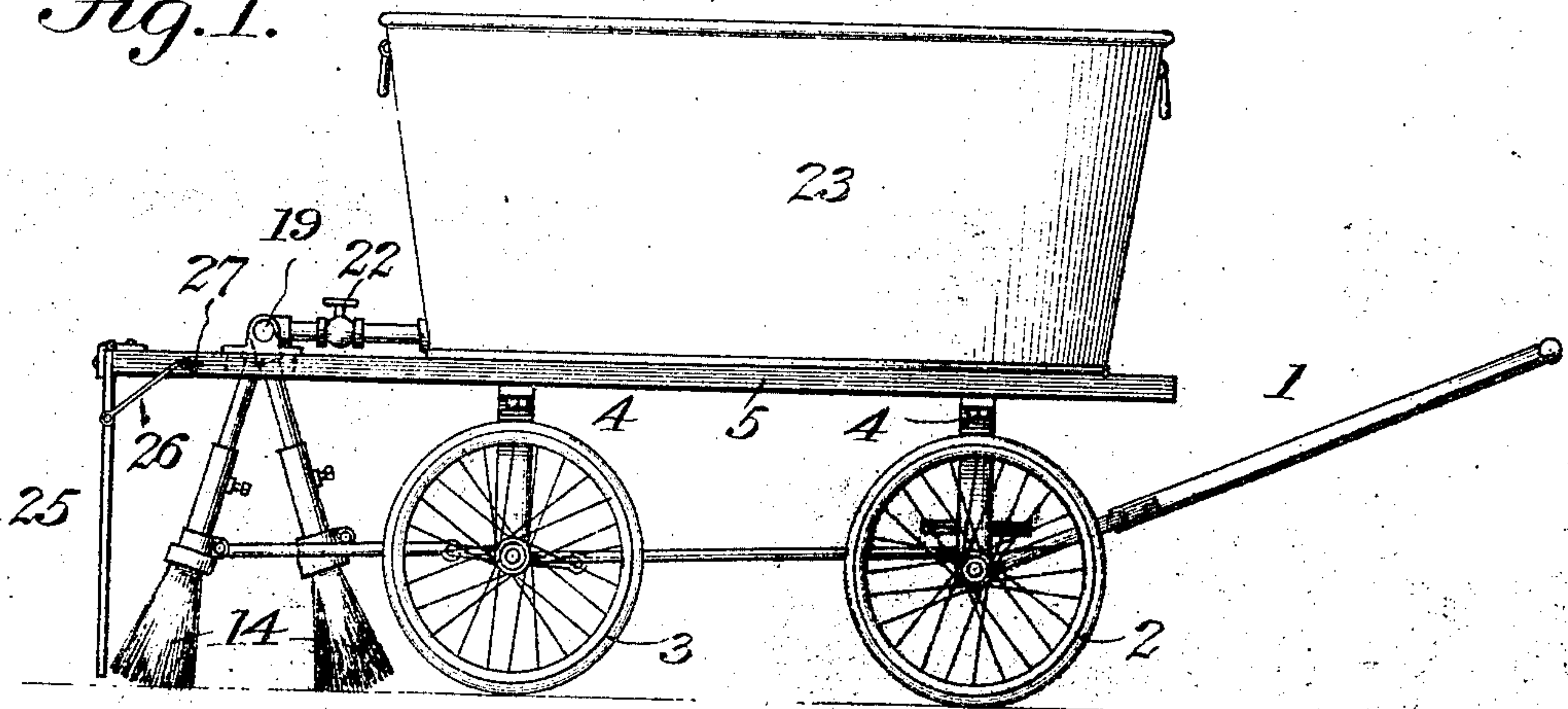
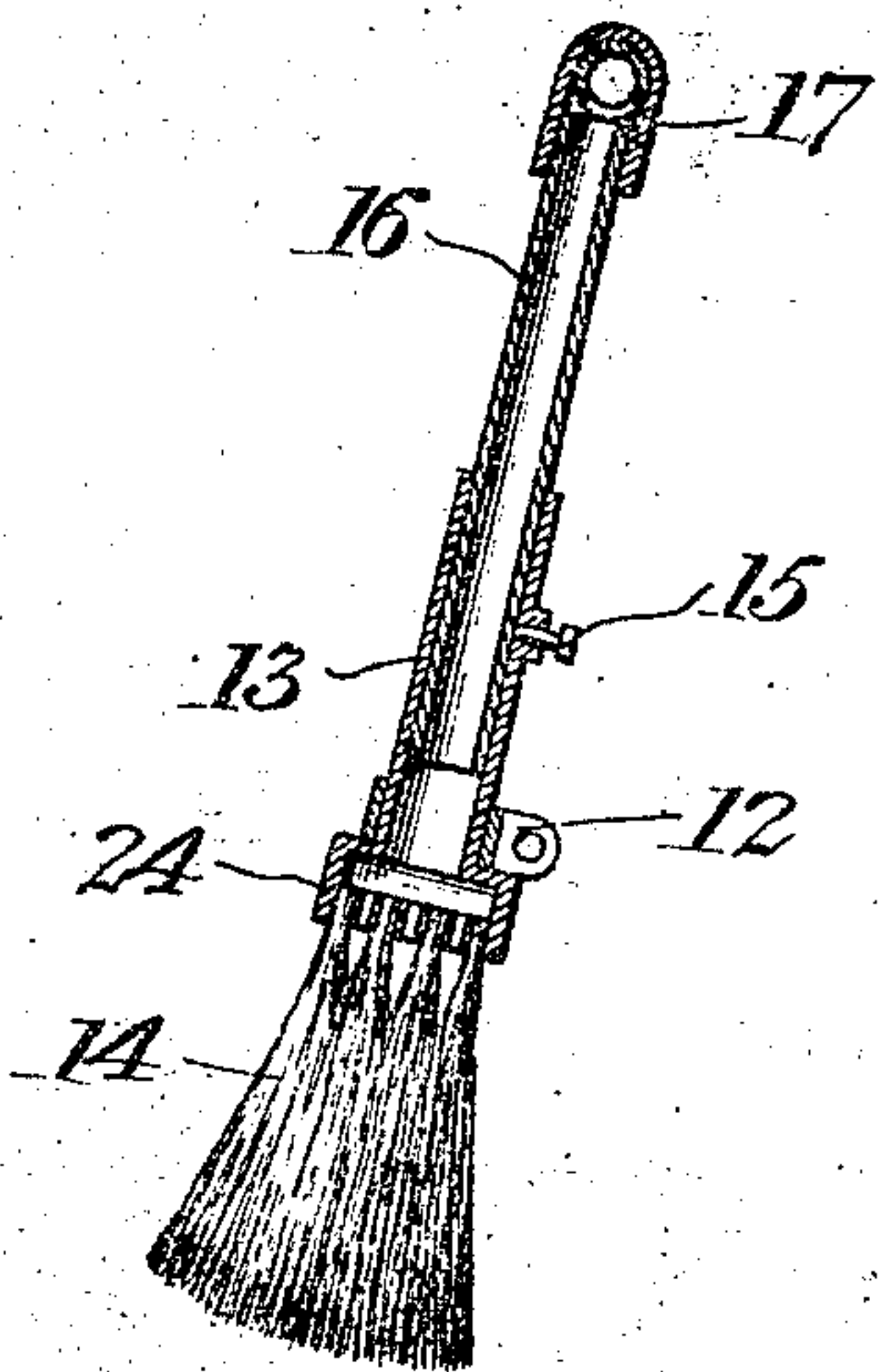


Fig. 3.



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FLOOR-SCRUBBING MACHINE.

966,230.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, OLOF A. NESS, a citizen of the United States, residing at Wakefield, in the county of Gogebic and State of Michigan, have invented new and useful Improvements in Floor-Scrubbing Machines, of which the following is a specification.

This invention relates to floor scrubbing devices and the object of the invention is to provide a device of this character mounted upon a wheeled truck, and which is adapted to be operated as the truck is propelled.

Another object of the invention is to provide a device of this character which is simple in construction, comparatively cheap to manufacture and which will perform the functions for which it is intended with accuracy and efficiency.

With the above and other objects in view which will appear as the description progresses the invention resides in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawing, Figure 1 is a side elevation of the device constructed in accordance with the present invention. Fig. 2 is a top plan view of the device, parts being broken away and shown in section, and in dotted lines to more clearly illustrate the details of the device. Fig. 3 is a vertical sectional view of one of the scrubbing brushes.

Referring to the drawings the numeral 1 designates the truck of the device. This truck 1 is provided with forward wheels 2 and rear wheels 3. The axles of these wheels are provided with suitable upstanding members 4 and 5 whereupon the body 5 of the truck is supported. Connecting the axles of the wheels is a substantially V-shaped brace member 6 having its forward portion pivotally connected as at 7 with the forward axle of the device. This forward axle is also provided with a handle 8 whereby the device is operated in a manner hereinafter to be described.

By reference to Fig. 2 of the drawing it will be noted that the rear axle, designated by the numeral 9 is provided with oppositely disposed offsets 10 which are adapted for the reception of links 11 which are connected to collars 12 provided upon the projecting stems 13 of the scrubbing brushes 14. The stems 13 of these brushes 14 are hollow and are each provided with a threaded aper-

ture within which is positioned a threaded element 15. Each of the stems 13 are connected through the medium of this member 15 with a tube 16, and these tubes has its upper portion provided with a suitable T— 17 whereby the members are connected with a delivery pipe 18 supported upon the rear portion of the body 5 of the truck. This delivery pipe 18 has both of its ends closed and is mounted in suitable brackets 19 arranged adjacent the sides of the body 5. By reference to Fig. 2 it will be noted that the tube members 16 extend downwardly through longitudinal slots 20 provided by the body 5 of the device. The delivery pipe 18 is centrally provided with a suitable T connection 21 and this T is adapted for engagement with a valve pipe 22, which communicates with a water receptacle 23.

The bottom portion of the stem 13 is enlarged as clearly shown in the figures of the drawing and the base of this portion is provided with a plurality of openings 24.

From the above description, it will be noted that as the wheels of the device are rotated the brushes 14 through the medium of the offset portions 10 of the rear shank 9 and the links 11 will be oscillated in opposite directions and it is to be understood that water contained within the receptacle 23 is fed through the pipes 22 and 18 to the tube 16 connected with the stem 13 of the brush 14. It will be further noted that the amount of water or saponaceous fluid fed to the brushes may be readily regulated through the medium of the valve connected with the pipe 22.

In order to prevent the brushes from splashing the water I have provided the rear of the body 5 with a hinged apron 25. This apron 25 is adapted to be retained in a substantially vertical position through the medium of a hook 26 engaging an eye 27 provided upon the sides of the body 5.

Having thus fully described the invention what is claimed as new is:

1. In a device for the purpose set forth, a wheeled truck having front and rear axles, the rear axle being provided with oppositely disposed offsets, brush members hingedly connected with the truck, and links connecting the brush members with the offsets of the axle.

2. In a device for the purpose intended, a wheeled truck having front and rear axles,

the rear axle being provided with oppositely disposed offsets, a tank upon the truck, supports hingedly connected with the truck, a brush carried by each support, a hollow connection between the brushes and the tank, and links connecting the brush members with the offsets of the rear axle.

3. A truck having front and rear axles and wheels therefor, the rear axle being provided with oppositely arranged offsets, a water receptacle upon the truck, a pair of brush supports hingedly connected with the truck, each comprising hollow and adjustable tubes, a brush carried by each support, means for conducting fluid from the receptacle to the hollow supports, and links pivotally connected with the offsets of the rear axle, adapted to impart oscillatory motion to said brushes.

4. In a device for the purpose set forth, a truck provided with front and rear axles and wheels therefor, the rear axle being provided with oppositely disposed offsets, a water receptacle upon the truck, telescoping tube members hingedly connected with the truck, a valved communication between the tank and the tube members, brushes provided with perforated heads connected to and in direct communication with the interior of the tube members, and links pivotally connected with the tube members and with the offsets of the rear axle.

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

OLOF A. NESS.

Witnesses:

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