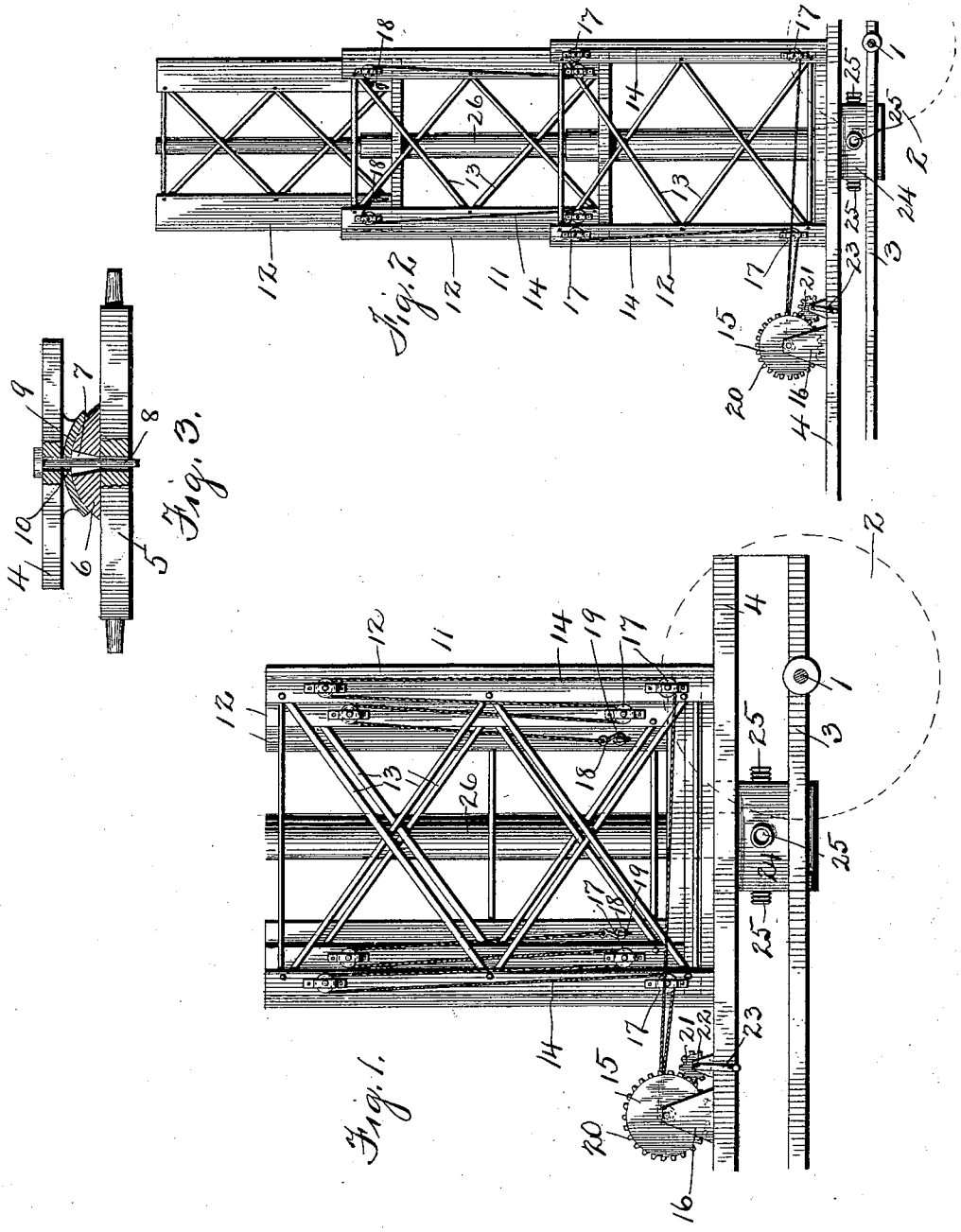
No. 629,493. Patented July 25, 1899.

J. F. CHAZOTTE.

FIRE LADDER OR TELESCOPING WATER TOWER.

(Application filed Dec. 27, 1898.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

JEAN FRANCOIS CHAZOTTE, OF MONTREAL, CANADA.

FIRE-LADDER OR TELESCOPING WATER-TOWER.

SPECIFICATION forming part of Letters Patent No. 629,493, dated July 25, 1899.

Application filed December 27, 1898. Serial No. 700,469. (No model.)

To all whom it may concern:

Be it known that I, JEAN FRANCOIS CHAZOTTE, a citizen of the French Republic, residing in the city and district of Montreal, Province of Quebec, Canada, have invented certain new and useful Improvements in Telescoping Water-Towers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in telescoping water-towers.

The object of my invention is to provide a construction of this character in which the tower is made sectional, capable of being raised to varying heights, the water-pipe also being telescopic, moving with the sections of the tower, carrying the nozzle to any desired height.

A further object is to provide a construction by means of which the tower will be held in vertical position although the supporting-axle at the front of the platform may be out of horizontal alinement.

To these and other ends my invention consists in the improved construction and combination of parts hereinafter fully described, and particularly pointed out in the appended claim.

In the drawings similar numerals of reference indicate similar parts in all of the figures.

Figure 1 is a side elevation of my improved invention, the parts being shown in inoperative or closed position. Fig. 2 is a similar view, the parts being shown extended or in their open position. Fig. 3 is a sectional view showing the connection between the front axle and the supporting-platform.

1 designates the rear axle, mounted on suitable wheels 2. The axle 1 is mounted on a frame 3, between which and the platform 4 are interposed springs or other yielding supporting means in order that the tower may be subjected to the least amount of "jar." The front end of the platform 4 is connected to the front axle 5 in the manner shown in Fig. 3, the axle 5 being provided with a semi-spherical support 6, having a vertical opening 7, inclined, as shown, for the passage of the pin 8. A concave plate 9, adapted to fit the semispherical support 6, is attached to the under side of the platform 4 in a suitable manner, said plate 9 being provided with an opening 10 for the passage of the pin 8, said pin serving to hold the parts in proper position. This construction enables the platform to retain its horizontal position regardless of any tendency of the axle 5 passing out of alinement owing to the surface of the ground on which it may be standing or over which it may pass.

The platform 4 is provided near its rear end with the telescoping tower 11, comprising the separate sections 12, braced together, as at 13, said frames being adapted to telescope, as shown in the drawings. The sections 12 are moved by means of the ropes or chains 14, the front ends of which are adapted to be secured to a suitable winding-drum 15, rotatively mounted in the standards 16, located on the platform 4. The ropes or chains 14 are then carried over suitable pulleys 17, secured on the sections 12, the rope being passed over said pulleys successively, as best shown in Fig. 1, the free end of the rope being provided with a hook 18, adapted to be passed into suitable staples 19, secured on the inner section 12. The winding-drum is provided with a suitable gear 20, adapted to coact with a pinion 21, mounted on a shaft 22, said pinion being provided with suitable position-retaining means, such as a pawl, and also having a handle 23, by means of which the pinion and winding-drum may be rotated. Although I have shown a means for rotating the drum by hand, it is to be understood that I may operate the same by other power—such as horses, &c.—suitable mechanism being provided for this purpose.

A suitable reservoir 24 is secured beneath the platform 4 directly below the center of the sections 12, said reservoir being provided with openings 25 for the passage of the water from the hose-pipes connected to the reservoir by suitable hose-coupling. Extending upwardly centrally of the sections is a telescoping stand-pipe 26, the sections of which are adapted to have movement with the sec-

tions 12 in any approved manner. While I have shown no nozzle connections at the upper end of the stand-pipe, it is to be understood that any suitable connection may be provided.

The operation of the device will be apparent, it being necessary only that with the parts in the position shown in Fig. 1 by rotating the handle the winding-drum will be rotated, winding up the ropes, and by so doing drawing up the sections 12 until the required height is reached, when the pawl is placed in position holding the apparatus in its adjusted position.

The advantages of my construction are apparent, including the ease with which the parts may be operated, the durability of construction, and the low cost of manufacture. The present construction may also be substituted for the lazy-tongs construction shown in the patent granted to me for fire-escape ladders, No. 572,244, dated December 1, 1896.

While I have herein shown a preferred form of carrying my invention into effect, yet I do not desire to limit myself to such preferred details of construction, but claim the right to use any and all modifications thereof which will serve to carry into effect the objects to be attained by this invention, in so far as such modifications and changes may fall within the spirit and scope of my said invention.

Having thus described my invention, what I claim as new is—

A wheeled telescoping water-tower, comprising a platform; a wheeled rear axle yieldingly connected to said platform; a wheeled front axle; a semispherical support mounted centrally on the upper face of said front axle, said support having a flared opening; a concave plate located on said support, said plate serving to hold said platform out of contact with said support; an opening formed in said plate; a pin, adapted to fit said opening in said plate, removably mounted in said platform and passing through said plate, said support and said front axle, whereby said platform will be automatically held in a horizontal position regardless of the traction movement of said tower; a telescoping tower and stand-pipe mounted on said platform; means for moving said tower and stand-pipe vertically; and a reservoir mounted on said platform below said stand-pipe, said reservoir being adapted to be connected to a source of water-supply, substantially as and for the purposes herein specifically set forth.

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

JEAN FRANCOIS CHAZOTTE.

Witnesses:

J. A. MARION,

A. W. YOUNG.