June 3, 1924. 1,496,307

W. EMISON

SERVING STATION

Filed July 28, 1923 2 Sheets-Sheet 1

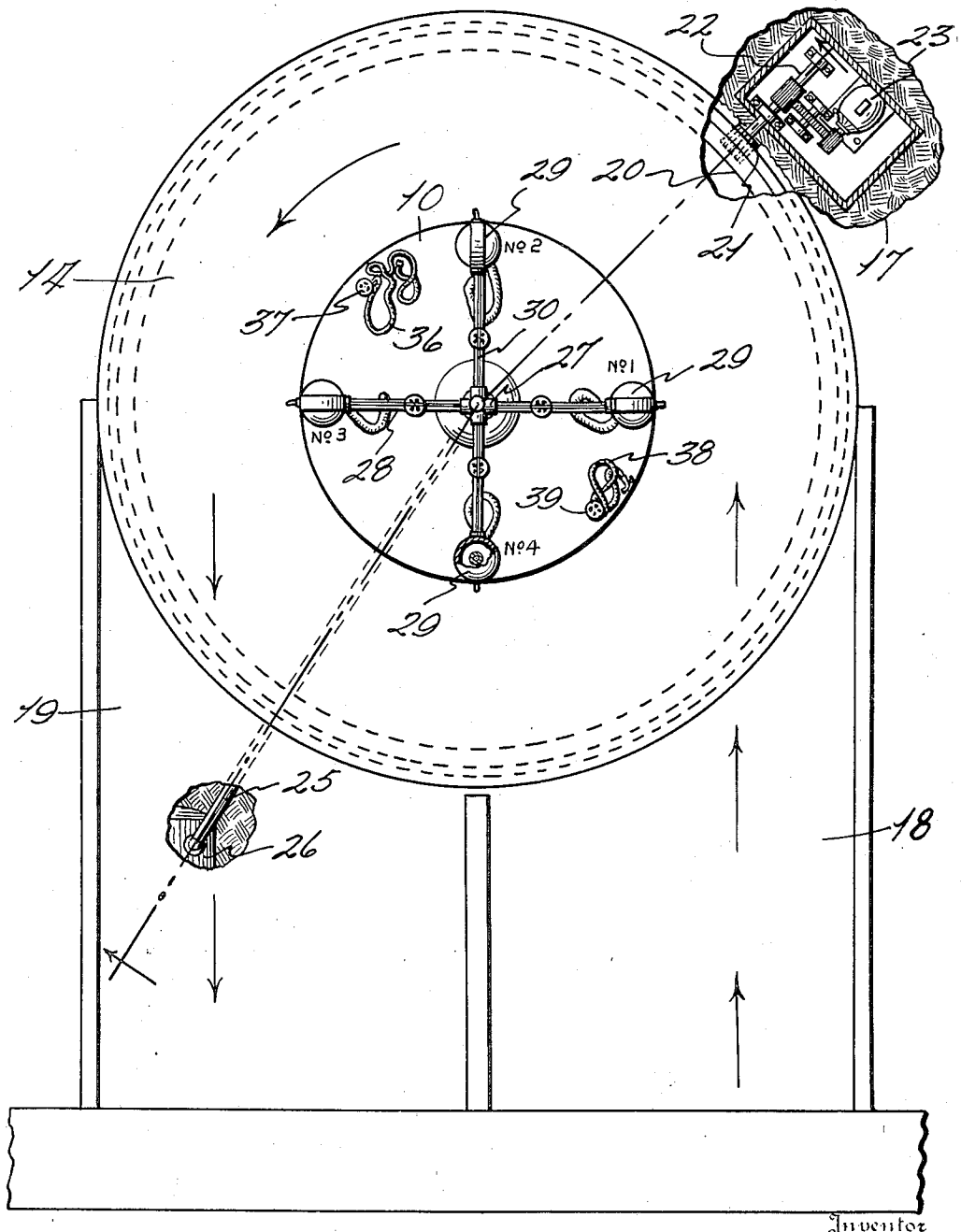


Fig. 1.

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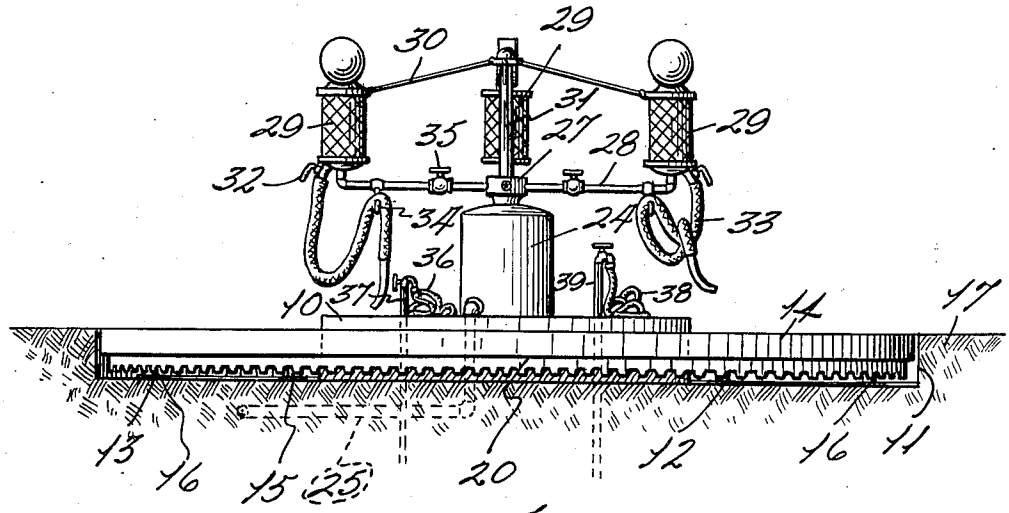


Fig. 2.

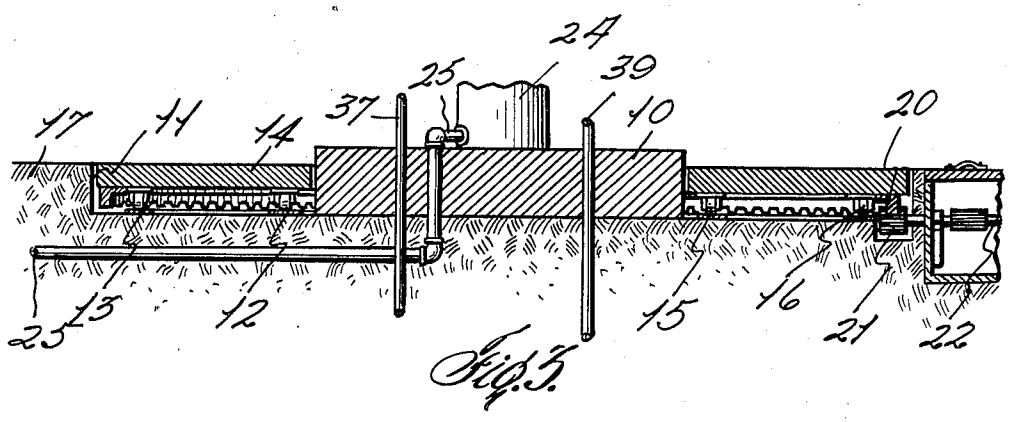


Fig. 3.

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Patented June 3, 1924. 1,496,307

UNITED STATES PATENT OFFICE.

WALTER EMISON, OF BROWNWOOD, TEXAS.

SERVING STATION.

Application filed July 28, 1923. Serial No. 654,326.

To all whom it may concern:

Be it known that I, WALTER EMISON, citizen of the United States of America, residing at Brownwood, in the county of Brown and State of Texas, have invented certain new and useful Improvements in Serving Stations, of which the following is a specification.

This invention relates to new and useful improvements in automobile serving stations.

The object of the invention is to provide a rotating table onto which an automobile may drive for the purpose of being served with gasoline, air and water, while said platform is rotating, whereby the service may be expedited and more cars handled in a given period.

A further object is to provide means for keeping an automobile in constant motion while it is being served with gasoline, air and water, and for receiving the car at one point and delivering it at another so as to avoid congestion.

A construction designed to carry out the invention will be hereinafter described together with other features of the invention.

The invention will be more readily understood from a reading of the following specification and by reference to the accompanying drawings, in which an example of the invention is shown, and wherein:

Fig. 1 is a plan view of a serving station constructed in accordance with my invention,

Fig. 2 is a view showing the platform and service mediums in elevation and the foundation in sections, and

Fig. 3 is a cross-sectional view of the rotating table and platform.

In the drawings the numeral 10 designates a circular fixed platform built up of concrete or in any suitable manner. This platform is surrounded by a circular runway 11, having an inner annular track 12 and an outer annular track 13. An annular rotating table 14 has inner wheels 15 running on the track 12 and outer wheels 16 travelling on the track 13.

The table has its upper surface flush with the surrounding pavement 17. An approach 18 leads to the table, while an exit 19 leads therefrom. On the under side of the margin of the table is a ring gear 20 with which a pinion 21 meshes. The pinion 21 is mounted on a drive shaft 22 which is suitably driven from a motor 23 located below the surface of the pavement 17. It is to be understood that the table may be rotated in any suitable manner.

The automobile is driven onto the table from the approach 18 and the table is rotated at a slow rate of speed. After the car has been served it is driven off the table onto the exit 19. By making the table large enough to care for four or more cars at a time, congestion about the station will be avoided.

At the center of the platform 10 I mount a gasoline pump 24 of any suitable type which is supplied by a pipe 25 from an underground tank 26. A rotatable distributing head 27 is mounted on the top of the pump and suitably connected with the gasoline discharge thereof. A plurality of pipes 28 radiate from the head and each supports a dispenser 29 of suitable construction, on its outer end. The dispensers are braced by guys 30 extending from a central post 31.

The dispensers overhang the edge of the platform and each has a discharge valve 32 and a filling hose 33, which may be hung on a hook 34 or otherwise supported when not in use. Each radial pipe 28 has a cut-off valve 35. Each hose 33 is long enough to reach the car. On the platform I connect an air hose 36 to an air supply pipe 37 and a water hose 38 is connected to a water supply pipe 39.

In operation the table 14 is kept constantly rotating at a slow rate of speed. An automobile is driven from the approach 18 onto the table. When the car is within reach of the hose 33 of the first or No. 1 dispenser 29, said hose is connected to the tank of the car and the valve 32 opened. The car may be served with water from the hose 39 and with air from the hose 36. The dispenser is rotated with the platform either by hand or otherwise, when it becomes necessary to move the dispenser to keep its relative position with the car.

Other cars may follow the first car, being served at dispensers No. 4, No. 3 and No. 2 in the order named. When the car has been served it is driven off the table onto the exit 19.

It is obvious that many constructions and arrangements may be worked out in connection with the invention, such as the manner of rotating the table and dispensers,

the gasoline supply and dispensers as well as the supplies of air and water, and the approach and exit and all such as come within the scope of the appended claims are included.

What I claim is:

1. In an automobile serving station, a fixed platform, a serving table for automobiles rotating around said platform, and a plurality of dispensers rotatable with the table.

2. In an automobile serving station, a fixed platform, a serving table for automobiles rotating around the platform, and a dispenser for serving the automobiles with gasoline.

3. In an automobile serving station, a fixed central platform, a rotatable table surrounding the platform, an automobile approach contiguous to the table, and a dispenser having a hose for serving the automobiles with gasoline.

4. In an automobile serving station, a fixed central platform, an annular automobile carrying table rotatable around said platform, and a movable gasoline dispenser mounted above the platform and having a hose for supplying a car.

5. In an automobile serving station, a fixed central platform, an annular automobile carrying table rotatable around said platform, a movable gasoline dispenser mounted above the platform and having a hose for supplying a car, and an air supply hose adjacent the table, and a water supply hose adjacent the table.

6. In an automobile serving station, a fixed central platform, an annular automobile carrying table rotatable around said platform, and a plurality of gasoline dispensers rotatably mounted on the platform at spaced intervals and having hose connections for supplying automobiles carried by the table.

In testimony whereof I affix my signature.

WALTER EMISON.