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AIR HOSE SUPPORT.

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1,395,616.

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Fig. 1.

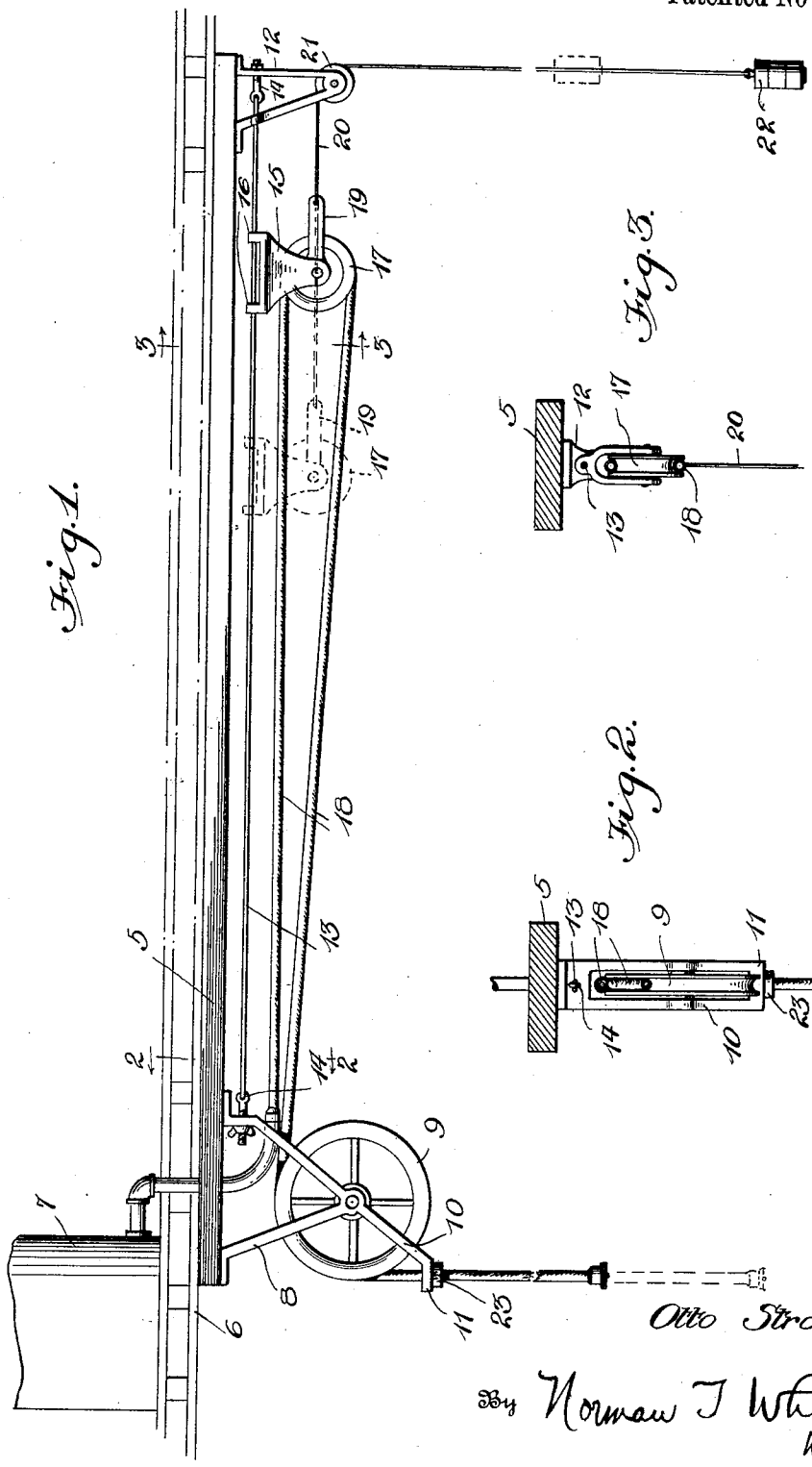


Fig. 3.

Fig. 2.

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OTTO STROBERGER, OF CREIGHTON, NEBRASKA.

AIR-HOSE SUPPORT.

1,395,616. Specification of Letters Patent. Patented Nov. 1, 1921.

Application filed October 2, 1920. Serial No. 414,238.

To all whom it may concern:

Be it known that I, OTTO STROBERGER, a citizen of the United States, and a resident of Creighton, in the county of Knox and State of Nebraska, have invented a new and useful Air-Hose Support, of which the following is a specification.

My invention is an air hose support, particularly adapted for garages and its principal object is to provide a device wherein the air hose will be normally suspended above the floor when not in use, but which may be readily drawn to the floor in order to inflate vehicle tires.

A further object of the invention is to provide a hose support which will normally retain the hose in a position where one end thereof may be grasped and pulled downwardly to reach the tires to be inflated and upon being released from the grasp of the operator will be automatically elevated.

It is another object of the invention to provide a pneumatic tire inflating apparatus which can be conveniently installed in any building and associated with the usual compressed air storage tank.

With the preceding and other objects and advantages in mind the invention consists in the novel combination of elements, constructions and arrangements of parts and operations to be hereinafter enlarged upon, claimed and illustrated in the accompanying drawing, wherein:

Figure 1 is a side elevation of the apparatus, the dotted line position indicating the position of the relative parts when the air hose is extended;

Fig. 2 is a vertical sectional view taken on line 2—2 of Fig. 1; and

Fig. 3 is a similar view taken on line 3—3 of Fig. 1.

Referring in detail to the drawing wherein like characters of reference designate corresponding parts, the numeral 5 designates a longitudinal beam or base secured to the ceiling 6 of the garage. A suitable air tank designated at 7 is supported above the ceiling 6.

Depending from one end of the base 5 is a vertically arranged bracket 8 in which a relatively large pulley 9 is mounted. The bracket 8 is formed with an angularly disposed leg 10 terminating in a lateral guide 11.

Supported at the opposite end of the base 5 is a second bracket 12. A tensioned wire or trackway 13 extends from one bracket to the other and is attached thereto through the medium of adjustable fastenings 14. A carriage adapted for movement longitudinally of the trackway is designated at 15 and includes a pair of upstanding perforated ears 16 through which the wire 13 passes. A pulley 17 of less diameter than the pulley 9 is journaled in the carriage 12. Leading from the air tank 7 is the usual air hose 18 adapted to conduct air from the tank to tires and the like to be inflated. This hose 18 extends around the pulley 17 and thence passes over the pulley 9 and through the guide 11 and suspended in a position where the same may be readily grasped by the operator.

An upstanding arm 19 is carried by the carriage 15 and secured to this arm is a flexible element 20 passing around a roller 21 journaled in the bracket 12. A weight 22 is suspended from this flexible element 20 and normally pulls the carriage 15 away from the bracket 8 to retain the hose in the position shown in Fig. 1. A stop 23 is carried by the free end of the hose for engagement with the guide 11 to limit the movement of the hose in one direction.

In use the operator grasps the depending end of the air hose 18 and pulls the same downwardly to the floor where it can be then connected with the tire to be inflated, thus causing the carriage and weights to assume the dotted line position as shown in Fig. 1. Upon release of the air hose the carriage will be returned to its normal position under the influence of the weights 22 to retract the air hose.

It is to be understood that the form of my invention herein shown and described is to be taken as a preferred example of the same, and that various changes in the shape, size and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

Having thus described my invention, what I claim as new and desire to secure and protect by Letters Patent of the United States, is:

1. In an air hose support a supported trackway, a carriage slidably mounted on the trackway, a fixed pulley, a pulley carried by the carriage, an air hose passing around the last mentioned pulley and having one end fixed and its opposite end depending

from the fixed pulley to be manually pulled downwardly, and means for moving the carriage away from the fixed pulley to draw the hose to elevated position.

2. In an apparatus of the character set forth, an elevated fixed pulley, a horizontally disposed trackway, a longitudinally movable pulley supported on the trackway, a flexible element passing around the movable pulley and having one end fixed and its opposite end passing over the fixed pulley and adapted to be extended therefrom, and means normally moving the movable pulley away from the fixed pulley to retract the flexible element.

3. In an apparatus of the character set forth, an elevated vertically disposed fixed pulley, a horizontal trackway extending rearwardly therefrom, a vertically disposed movable pulley swung from the trackway, a flexible element passing around the movable pulley and having one end fixed and the opposite end of the flexible element being passed over the fixed pulley and adapted to be drawn downwardly thereover, and means normally moving the movable pulley away from the fixed pulley to retract the flexible element.

4. The combination with a support, of a bracket depending therefrom, a vertically disposed pulley journaled therein, a second bracket depending from the support, a trackway extending from one bracket to the other, a carriage longitudinally movable over the trackway, a vertically disposed pulley journaled therein, a flexible element passing around the latter pulley and having one end fixed and its opposite end passed over the first mentioned pulley, an outstanding guide carried by the first mentioned bracket through which the flexible element passes, a stop carried by the flexible element and disposed below the guide to engage the latter to limit the movement of the flexible element in one direction, a pulley journaled in the last mentioned bracket, and a weighted flexible element passing around the pulley and connected with the carriage and normally moving the carriage away from the first mentioned pulley.

OTTO STROBERGER.