

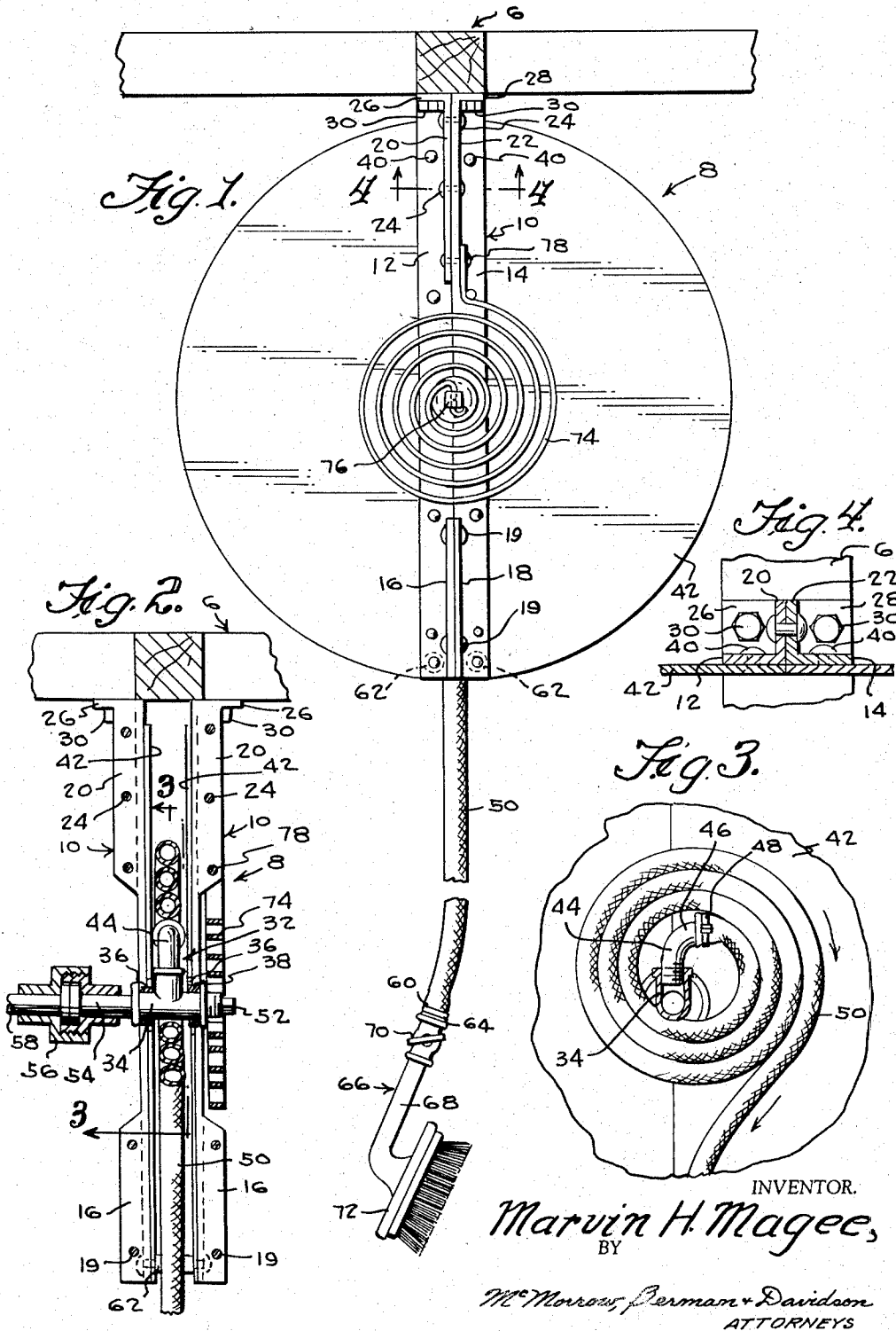
May 19, 1959

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HOME OVERHEAD CAR WASHER

Filed May 3, 1957



1

2,887,121

## HOME OVERHEAD CAR WASHER

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Application May 3, 1957, Serial No. 656,942

2 Claims. (Cl. 137—355.23)

This invention relates to a home overhead car washer devised to be mounted overhead in a garage or other suitable place and providing a manually manipulated brush or mop supplied with wash water through a hose, the brush having a combined water flow controlling and shut-off valve.

The primary object of the invention is to provide a practical, efficient, and easy to use device of this kind which can be easily and quickly installed, and which, when not in use, is entirely out of the way in a garage or other place.

Another object of the invention is to provide a device of this kind which is compact and of flat form, enabling the device to be economically transported, stored, and displayed by merchants, such as hardware outlets.

A further object of the invention is to provide a device of the above indicated character which is composed of a minimum number of simple parts, and which can be made in attractive, rugged, and serviceable forms at relatively low cost, from a variety of readily available materials and readily available stock components.

Other important objects and advantageous features of the invention will be apparent from the following description and the accompanying drawings, wherein, for purposes of illustration only, a specific form of the invention is set forth in detail.

In the drawings:

Figure 1 is a fragmentary contracted side elevation of a device in accordance with the present invention, the hose being partially unreeled;

Figure 2 is a fragmentary vertical transverse section taken substantially centrally through Figure 1;

Figure 3 is a fragmentary vertical section taken through Figure 2 on the line 3—3; and

Figure 4 is an enlarged fragmentary horizontal section taken on the line 4—4 of Figure 1.

Referring in detail to the drawings, wherein like numerals designate like parts throughout the several views, the numeral 6 generally designates an overhead support, such as a roof member of a home garage, on which is dependently suspended a car washing device 8 in accordance with the present invention.

The device 8 comprises a pair of laterally spaced co-extensive vertical supports 10, each composed of a pair of side-by-side and coplanar vertical elongated flat bars 12 and 14. On the facing edges of the bars 12 and 14 near their lower ends are lateral flanges 16 and 18, respectively, which are secured together, preferably by rivets 19, spaced therealong. On the facing edges of the bars 12 and 14 near to and reaching to the upper ends of the bars 12 and 14 are lateral flanges 20 and 22, respectively, which are preferably secured together by vertically spaced rivets 24.

On the upper ends of the upper lateral flanges 20 and 22 are horizontal flanges 26 and 28, respectively, which are adapted to be secured, by suitable means, such as bolts 30 to the underside of the overhead support 6.

2

Horizontally traversing the supports 10 is a plumbing T 32 having a cross head 34 extending through openings defined by semi-circular notches 36 in the facing edges of the bars 12 and 14 of the two supports 10 and journaled in preferably brass bushings 38 secured in suitable manner in these openings. Secured to the facing sides of the supports 10 by suitable means, such as rivets 40, are circular plates 42 which are also traversed centrally by the bushings 38. The T fitting 32 also includes a radial arm 44 which terminates in a lateral nipple 46 onto which is secured, as indicated at 48, one end of a flexible hose 50.

One end of the crosshead 34 of the T-fitting 32 is closed by a plug 52, and secured in its other end is one end of a pipe nipple 54, on whose other end is rotatably mounted a rotary hose connector or coupling 56, including a conduit 58 to which a pressure water supply pipe (not shown) is adapted to be connected to supply water through the T-fitting 32 to the hose 50.

As shown in Figures 2 and 3, the hose 50 is wound spirally around the T-fitting 32 between the circular plates 42 and has a free end 60 which depends between spaced guide rollers 62 which are secured to the lower ends of the bars of the supports 10 and extend between the supports 10.

Connected as indicated at 64 to the free end 60 of the hose 50 is a brush or mop 66 comprising a tubular handle 68 incorporating at its hose connected end a manual combined water flow regulating and shut-off valve 70, and having on its other end a lateral brush or mop head 72.

At the outer side of the support 10 remote from the rotary hose coupling 56 and surrounding the crosshead 34 of the T-fitting 32 is a flat spiral spring 74 having its inner end secured, as indicated at 76 to the plug 52, and at its outer end secured, as indicated at 78 to the upper lateral flanges 20 and 22 of the adjacent support 10. The spring 74 is arranged and tensioned to urge the T-fitting 32 to rotate in a hose-winding direction, and serves to reel up the hose 50 until the brush handle 68 engages the guide rollers 62 whenever the operator releases the hose 50 from an unreeled position.

It will be evident from the foregoing that the operator's hand in grasping the brush handle 68 and manipulating the brush head 72 in a car-washing operation, is in a position to easily and appropriately control the rate of flow of water to the brush head, and to completely cut off such flow when desired.

It is pointed out that the above described components can be in the form of simple low cost castings rather than being made up of the already available stock parts described.

While there has been shown and described herein a preferred form of the invention, it is to be understood that the invention is not necessarily confined thereto, and that any change or changes in the structure of and in the relative arrangements of components thereof are contemplated as being within the scope of the invention as defined by the claims appended hereto.

What is claimed is:

1. In combination, an overhead support, a pair of vertically elongated supports having upper ends secured to said overhead support, said supports being in laterally spaced relation to each other, a T-fitting including a cross head and a lateral nipple, the cross head being journaled horizontally through and extending between said supports intermediate the ends of said supports, a pair of circular plates circumposed about said cross head and fixedly secured to said supports, a flexible hose wound directly around said cross head and between said fixed circular plates, said hose having an inner end connected in communication with said lateral nipple and having a

3

free outer end depending from said supports, means closing one end of said cross head, and a rotary coupling on the other end of said cross head and adapted to be connected to a water supply.

2. The combination according to claim 1 which includes in addition spring means operatively connected to said cross head for urging said cross head to rotate in a hose winding direction.

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