

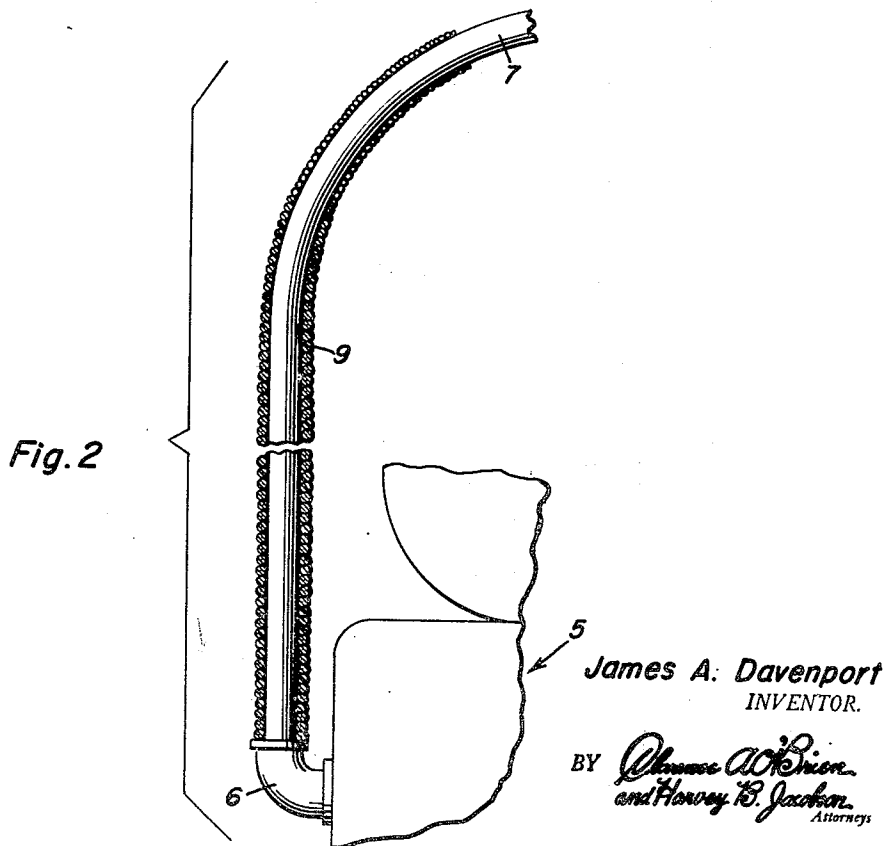
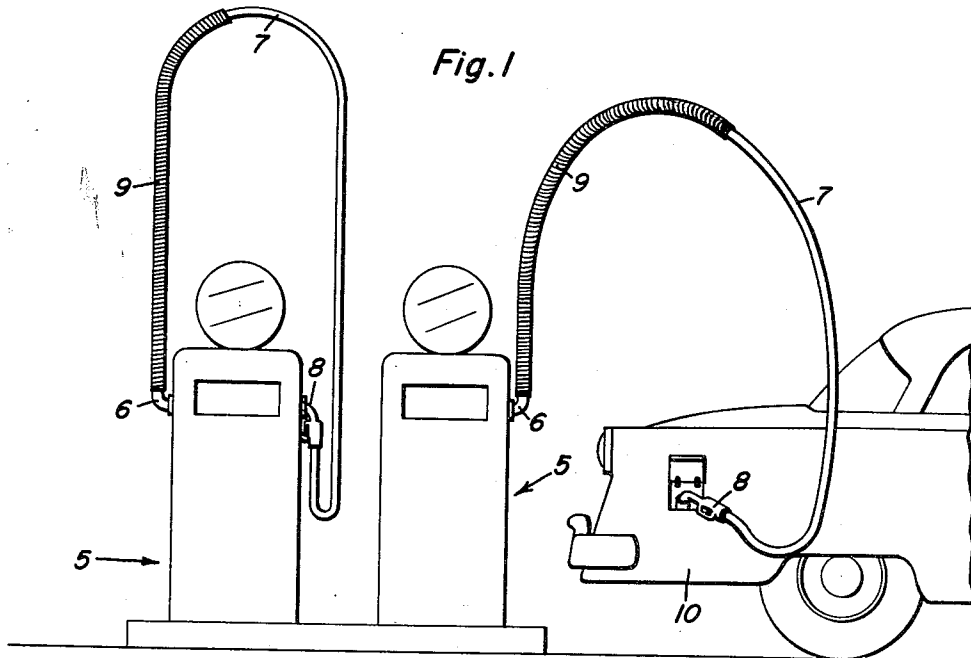
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PUMP HOSE SUPPORT

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PUMP HOSE SUPPORT

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1 Claim. (Cl. 222-527)

The present invention relates generally to gasoline dispensing pumps and has for its primary object to provide, in a manner as hereinafter set forth, novel means for yieldingly supporting the usual flexible delivery hose of such pumps in an elevated, out-of-the-way position at all times.

Other objects of the invention are to provide a dispensing pump hose support of the aforementioned character which will be comparatively simple in construction, durable, compact, attractive in appearance and which may be manufactured at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawing wherein like characters of reference designate corresponding parts throughout the several views, and wherein:

Figure 1 is a side elevational view, showing a pair of gasoline dispensing pumps equipped with hose supports in accordance with the present invention; and

Figure 2 is a view showing the device in vertical section in position on a hose.

Referring now to the drawing in detail, it will be seen that reference character 5 designates a gasoline dispensing pump. Connected to the outlet or discharge side of the pump 5, adjacent the top thereof, is an upturned elbow 6. A flexible delivery hose 7 has one end connected to the elbow 6. The other or free end of the hose 7 is provided with a nozzle 8.

Mounted on the inner portion of the hose 7 for yieldingly supporting same in a substantially upright position is a resilient sleeve in the form of a coil spring 9 of suitable metal. The resilient sleeve 9, which may be of any desired length and of a diameter to accommodate the hose 7, rests on the elbow 6 in the manner shown to advantage in Figure 2 of the drawing.

It is thought that the manner in which the device functions will be readily apparent from a consideration of

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the foregoing. Briefly, the coil spring 9 is sufficiently stiff or rigid to support the hose 7 in the manner shown to the left in Figure 1 of the drawing, as when said hose is not in use and the nozzle 8 on the free end thereof has been hung on the usual hook provided therefor on the pump 5. However, the resiliency of the coil spring 9 permits the nozzle 8 to be readily taken to any point within the range of the hose 7 for servicing an automobile, as at 10. It will be noted that at all times the coil spring 9 supports the hose 7 in an elevated, out-of-the-way position. After the vehicle has been serviced and the nozzle 8 is replaced, the coil spring 9 functions as an automatic take-up for the hose 7. The coil spring 9 progressively increases in flexibility from its lower end to the upper end thereof. This greatly facilitates manipulating the hose 7 and turning or twisting same to any desired position. This increasing flexibility towards the upper end of the spring 9 is accomplished by progressively decreasing the diameter of the stock or material from which said coil spring is formed, as also shown to advantage in Figure 2 of the drawing.

It is believed that the many advantages of a pump hose support constructed in accordance with the present invention will be readily understood and although a preferred embodiment of the device is as illustrated and described, it is to be understood that changes in the details of construction may be resorted to which will fall within the scope of the invention as claimed.

What is claimed is:

In combination, a dispensing pump including an upstanding elbow on its outlet side, a flexible delivery hose having one end inserted in the upper end of said elbow and rising therefrom, and a resilient sleeve mounted on the hose and enclosing the inner end portion thereof for yieldingly supporting same in a substantially vertical position, said sleeve being engaged throughout its length with the hose and comprising an internally and externally tapered coil spring of a material length resting on the upper end of the elbow and progressively increasing in flexibility from its lower end to its upper end.

References Cited in the file of this patent

UNITED STATES PATENTS

Re. 11,829	Poindexter	June 5, 1900
2,011,009	Paige	Aug. 13, 1935
2,102,010	Kopp	Dec. 14, 1937
2,166,448	Schuknecht et al.	July 18, 1939
2,185,741	Sorg et al.	Jan. 2, 1940
2,206,703	Lowe	July 2, 1940
2,251,340	Moore	Aug. 5, 1941