G. J. WINTER.

HOSE COUPLING.

APPLICATION FILED MAR. 19, 1915.

1,181,280. Patented May 2, 1916.

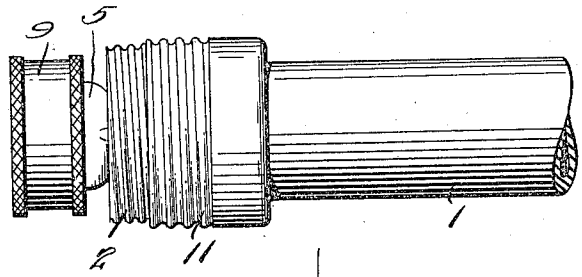



Fig. 1.

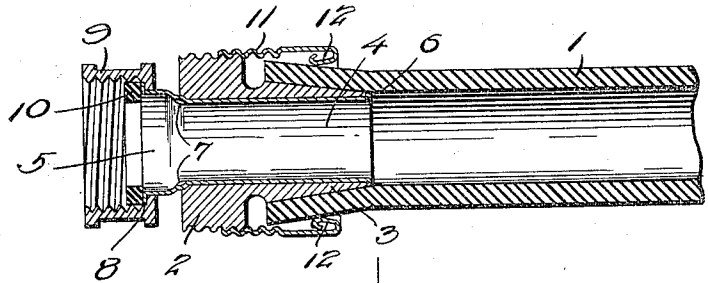



Fig. 2.

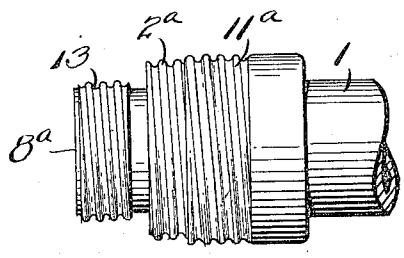



Fig. 3.

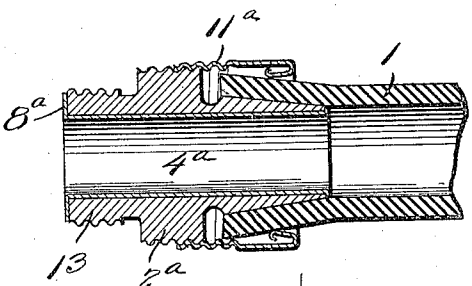



Fig. 4.

Witnesses

E. J. Sheehy

Inventor

Geo. J. Winter.

By James J. Sheehy & Co

Attorneys.

# UNITED STATES PATENT OFFICE.

GEORGE J. WINTER, OF BUFFALO, NEW YORK, ASSIGNOR TO THE REPUBLIC HOSE COUPLER CORPORATION, OF BUFFALO, NEW YORK.

## HOSE-COUPLING.

1,181,280. Specification of Letters Patent. Patented May 2, 1916.

Application filed March 19, 1915. Serial No. 15,468.

*To all whom it may concern:*

Be it known that I, GEORGE J. WINTER, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented new and useful Improvements in Hose-Couplings, of which the following is a specification.

My present invention pertains to hose couplings; and it consists in the peculiar and advantageous coupling hereinafter described and definitely claimed.

In the accompanying drawings: Figure 1 is an elevation of one embodiment of my invention. Fig. 2 is a longitudinal section of the same. Fig. 3 is an elevation of a modification. Fig. 4 is a longitudinal section of the modification.

Referring by numeral to the said drawings and more particularly to Figs. 1 and 2 thereof: 1 is a hose section, and 9 is a swivel member designed to effect connection of the coupling to a spigot or the like and provided with a conventional washer 10.

As will be noted by comparison of Figs. 1 and 2, my novel coupling comprises a body 2, exteriorly-threaded and having a rear exteriorly-tapered portion 3 and also having a central bore, a collar 11 threaded to engage the exterior thread of the body 2 and having a rear inturned and blunt flange 12, and a bushing 4, of brass or other suitable sheet-metal, arranged in the bore of the body 2 and having a rear flange 6, opposed to and covering the rear end of the body and also having a forward, diametrically-enlarged portion 5 on which the member 9 is revolubly mounted. At an intermediate point of its length the bushing 4 is provided with lugs 7, and these are seated in notches in the forward end of the body 2 so as to hold the bushing in fixed relation to the body 2 and against movement endwise and also about the axis of the bushing. On the forward end of the bushing is a flange 8 which extends to the interior thread of the member 9 and serves to retain said member 9 on the bushing and at the same time prevents cutting or wear of the washer 10 by the bushing; said flange 8 being opposed throughout its width to the washer 10 as shown.

The collar 11 is suitably formed of sheet-metal, and the body 2 is formed of wood, pressed-material or other material that is light in weight and is not liable to corrode. In this connection I would have it understood that the metallic bushing 4 serves to effectually prevent the water from deteriorating or having any effect whatever on the material of the body 2; the flange 6 serving to protect the rear end of the body 2 against the action of water, and the forward portion of the bushing serving to isolate the forward end of the body 2 from the water that passes through the coupling.

In addition to being light in weight, the collar 11 of the form illustrated and described, is advantageous because it is not liable to damage plants and grass during the dragging of the hose across a lawn.

In the practical use of my novel coupling it will be manifest that the collar 11 serves to strongly hold the hose section in a water-tight manner on the tapered portion of the body 2, and that through the medium of the coöperating bushing 4 and swivel member 9, the body 2 may be expeditiously and strongly connected with a threaded spigot or any other threaded outlet appurtenant to a building.

The embodiment shown in Figs. 3 and 4 comprises a body $2^a$ of the same material as the before described body 2, a sheet-metal bushing $4^a$, and a collar $11^a$ identical with the before-described collar 11. The body $2^a$ is provided with an exteriorly-threaded extension 13 for the connection of a nozzle (not shown), and it will be observed that the bushing $4^a$ is provided with a rear flange that covers and protects the rear end of the body $2^a$, while at its forward end said bushing has a flange $8^a$. This latter flange entirely covers the forward end of the body $2^a$ and presents a flat surface to the washer in the nozzle and in that way effectually prevents cutting of the said washer by the thread of the extension 13.

It will be gathered from the foregoing that so far as the protection of the material of the body from the action of the water is concerned, the embodiment shown in Figs. 3 and 4 is possessed of all of the advantages ascribed to the embodiment shown in Figs. 1 and 2; also, that like the embodiment shown in Figs. 1 and 2, the coupling of Figs. 3 and 4 is not liable to injure plants or flowers when the hose is drawn over a lawn or flower bed.

Having described my invention, what I

claim and desire to secure by Letters-Patent, is:

1. A hose coupling, comprising a body formed of material that is light in weight and is not liable to corrode and having a longitudinal bore and also having a rear portion for arrangement in the end of a hose, means for securing hose on said rear portion of the body, and a bushing snugly fitting in the bore of the body and having a rear flange opposed to and covering the rear end of the body and also having a forward portion opposed to the forward end of the body and between which and the rear flange the body is snugly held; said forward portion being also constructed and arranged to isolate the forward end of the body from liquid passing through the bushing.

2. A hose coupling comprising a tubular body, and a bushing arranged longitudinally in said body and having a rear flange opposed to the rear end of the body and also having a portion, of increased diameter, opposed to the forward end of the body and projecting forwardly from said end.

3. In a hose coupling, the combination of a tubular body having a longitudinal bore, a bushing arranged in the bore of the body and having a rear flange that covers the rear end of the body, and a forward portion of increased diameter disposed in front of the body and carrying lugs arranged in seats in the body and also carrying a forward flange, and a swivel member mounted and retained on the forward portion of the bushing back of the flange thereof.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

GEORGE J. WINTER.

Witnesses:
CECILIA M. PERNER,
CHARLES S. DEEBOLT.

**Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."**