

(No Model.)

C. GÜMLICH, Jr.

HOSE ATTACHMENT FOR STREET WASHERS.

No. 295,164.

Patented Mar. 18, 1884.

Fig. 1.

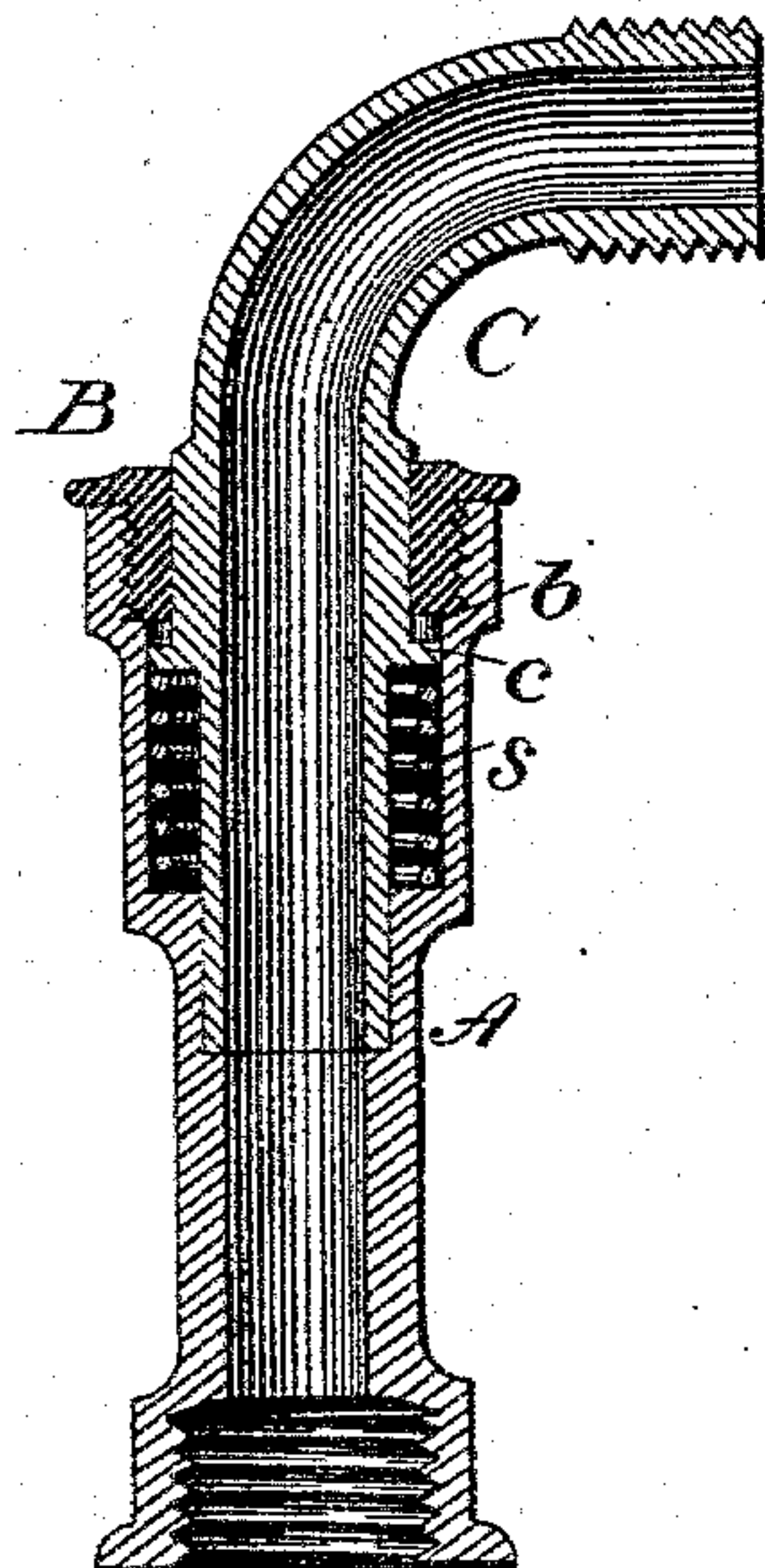


Fig. 2.

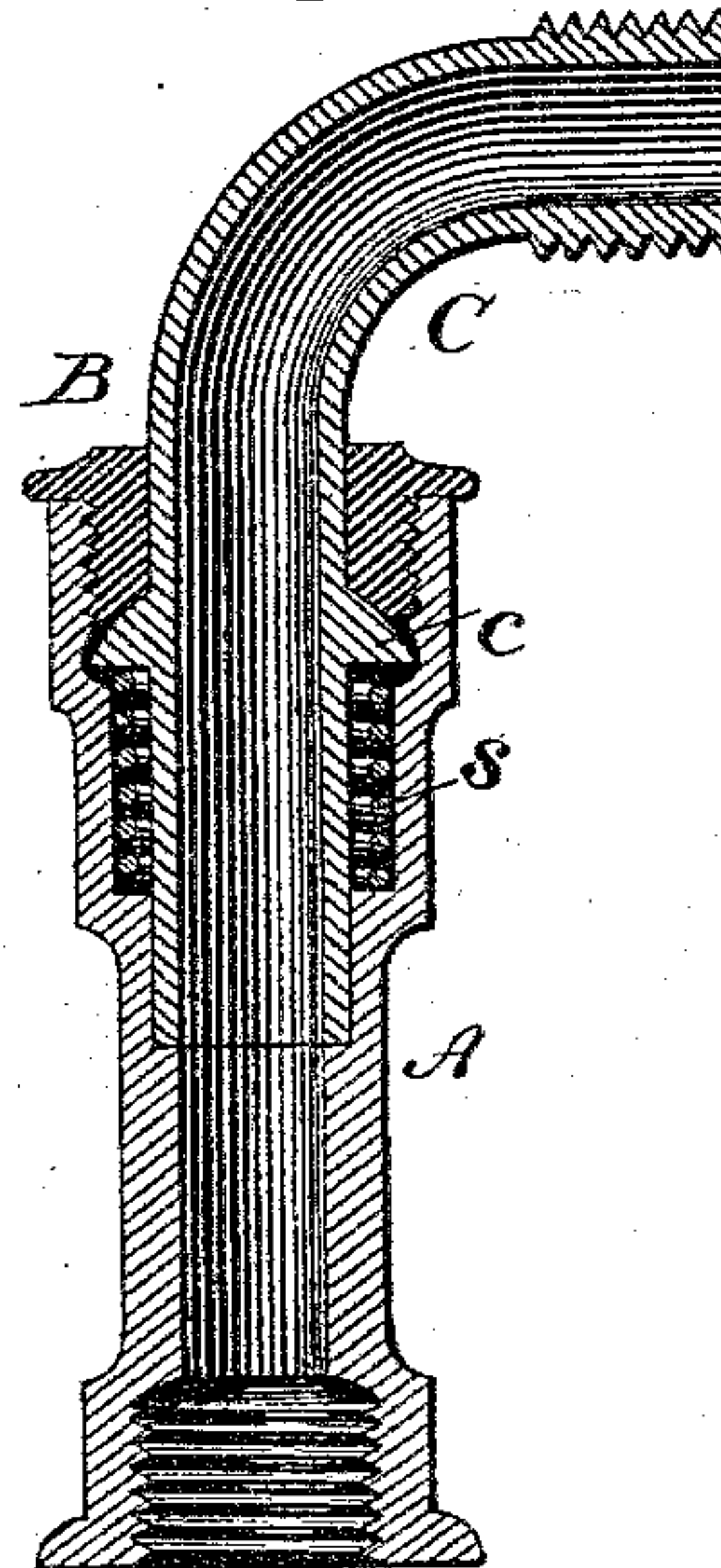
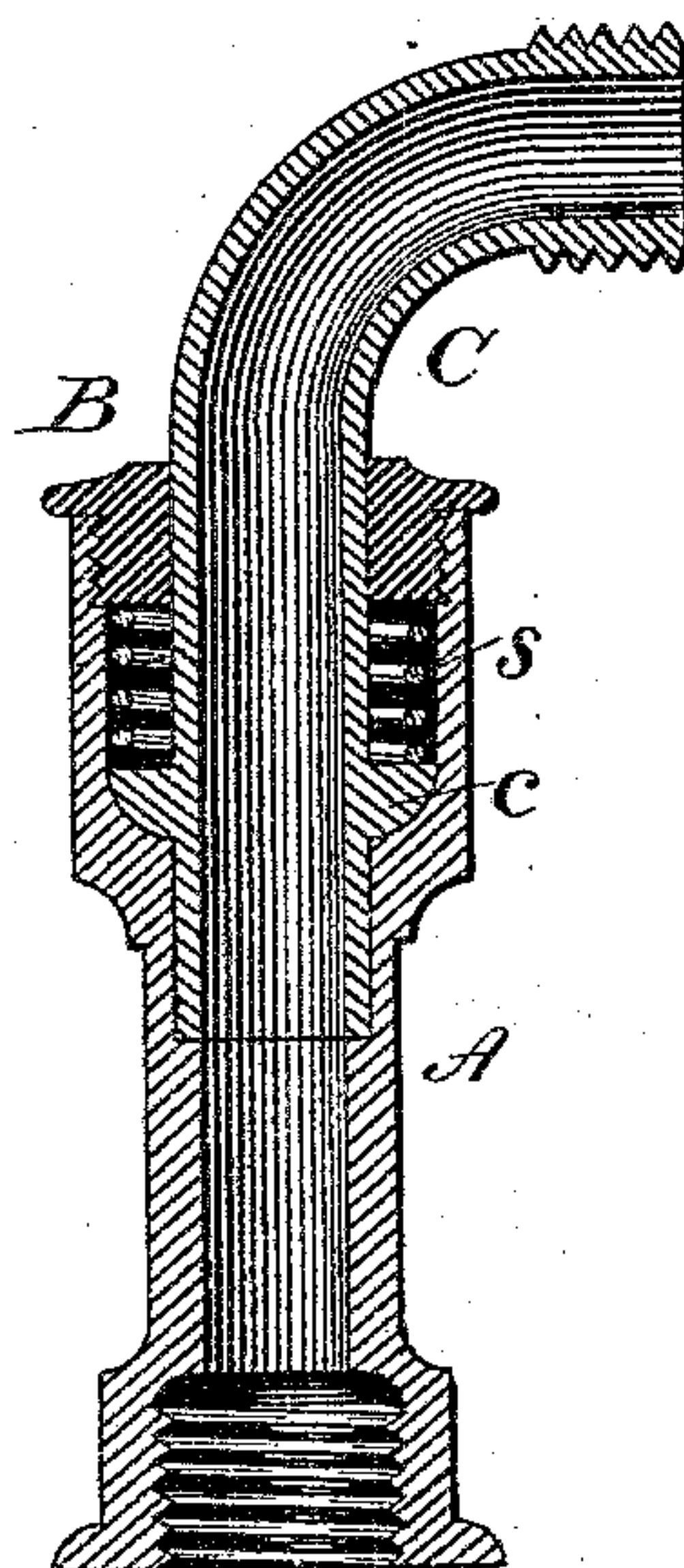


Fig. 3.



Witnesses:

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HOSE ATTACHMENT FOR STREET-WASHERS.

SPECIFICATION forming part of Letters Patent No. 295,164, dated March 18, 1884.

Application filed May 17, 1883. (No model.)

To all whom it may concern:

Be it known that I, CHARLES GUMLICH, Jr., of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Hose Attachments for Street-Washers, of which the following is a specification.

In the accompanying drawings, Figure 1 is a vertical section of my improved hose attachment, showing one form of constructing the swivel-joint. Figs. 2 and 3 are each vertical sections, showing modified forms of constructing said swivel-joint.

These improvements consist of a pipe, to be attached to the street-washer, a neck provided with a flange, a spring, and a nut, to comprise a swivel-joint for attaching hose to street-washers, substantially constructed and operating as hereinafter described and claimed.

In the several figures, A is a short pipe, to be attached to the street-washer, the object of which is to elevate the swivel-joint a sufficient distance above the bowl of the casing of the street-washer at the surface of the ground in which it is set to give freedom to play. The upper end of pipe A in Figs. 1, 2, and 3 has an enlargement for providing a chamber, which is closed by a hollow screw-threaded nut, B.

C is an elbow or curved neck, having a stem which fits down in the pipe A, the lower end resting on a shoulder, so that the bore of the pipe and neck are alike, so as to make a continuous smooth passage for the water. The

said neck is provided with a flange, *c*, which varies a little in form in the different modifications shown. In Figs. 1 and 2 said flange rests on a spiral spring, *s*, contained in the chamber, and which bears on a shoulder forming the bottom of said chamber. Over said flange *c* in Fig. 1 the ring B rests, holding a packing-ring, *b*. In Fig. 2 the top surface of said flange is made spherical, and the ring B, which rests on it, is made hollow to conform to the surface. This makes a ground-joint. In Fig. 3 the lower side of the flange *c* is made spherical, and rests in a spherical seat in the bottom of the chamber, while above it and between it and the ring B is placed a spiral spring. The upper end of the curved necks in Figs. 1, 2, and 3 are provided with a screw-thread for attaching the hose.

From the foregoing it will be seen that the neck C will turn as the hose may be drawn in moving around a field, so that the hose will not be bent or crooked at or near the connection.

Having described my invention, I claim—

The combination of the pipe A with the neck C, provided with the flange *c*, the spring *s*, and the nut B, whereby a swivel-joint is formed, substantially as described.

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Witnesses:

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