

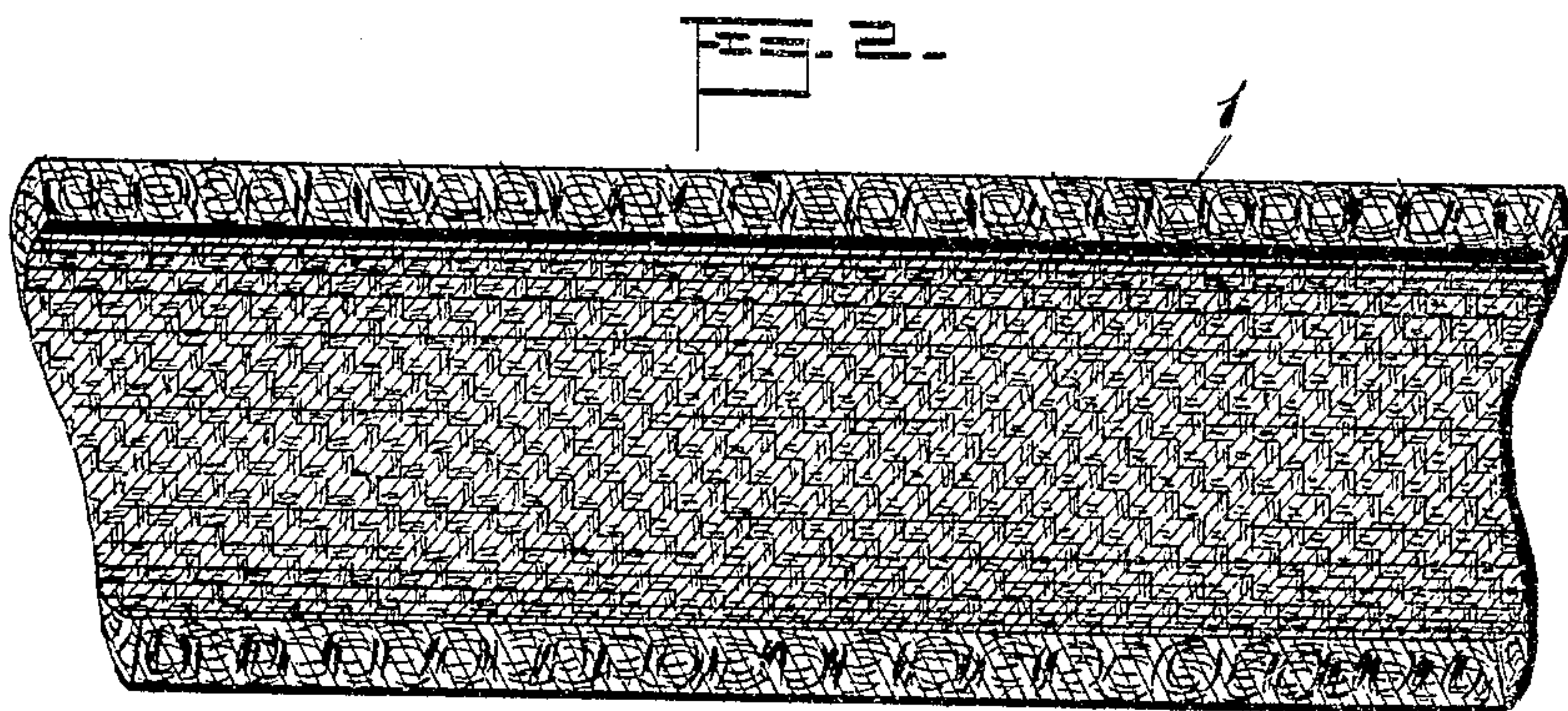
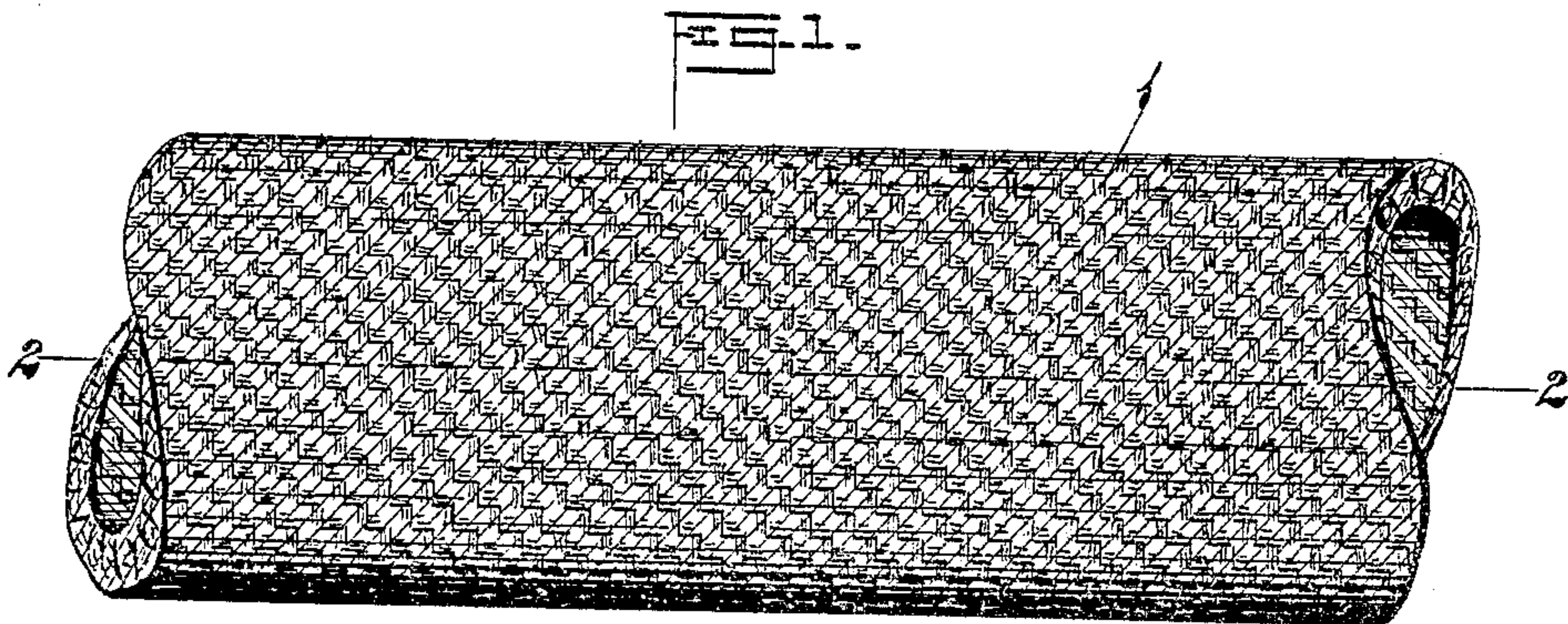
P. L. WOOSTER.

HOSE.

APPLICATION FILED AUG. 28, 1909.

956,506.

Patented Apr. 26, 1910.



WITNESSES

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# UNITED STATES PATENT OFFICE.

PHILIP L. WOOSTER, OF YONKERS, NEW YORK.

HOSE.

956,506.

Specification of Letters Patent.

Patented Apr. 26, 1910.

Original application filed October 17, 1905, Serial No. 283,173. Divided and this application filed August 28, 1909. Serial No. 514,984.

*To all whom it may concern:*

Be it known that I, PHILIP L. WOOSTER, a citizen of the United States, residing at Yonkers, in the county of Westchester and State of New York, have invented certain Improvements in Hose, of which the following is a specification.

This invention relates to certain improvements in fluid-conveying hose, such as garden or fire hose and similar flexible tubing, and is a division of my prior application, Serial No. 283,173, filed October 17, 1905.

The objects of the invention are to render the hose fabric water-proof and lasting in use; and for this purpose the invention consists in providing an absorbent woven fabric body portion which is impregnated with a solution of asphaltum and dried, as will be fully described hereinafter and finally pointed out in the claim.

Referring to the accompanying drawings, in which like numerals of reference indicate corresponding parts in each of the several figures, Figure 1 is a side elevation of a piece of my improved hose, and Fig. 2 is a section of the same on line 2—2 of Fig. 1.

In said drawings, 1 represents the tubular web of my improved hose, and which is preferably made of closely woven cotton fabric. This web is saturated under pressure, preferably from the inside, with a solution of asphaltum having a bituminous

base in a suitable hydrocarbon, carbon sulphid, or other suitable solvent of asphaltum. When the solution is impregnated through the woven body portion, the same is passed through suitable means for smoothing the surface, preferably, and then dried at ordinary or artificial temperature. It assumes thereby a dead-black color and is slightly moist to the touch and capable of resisting the changes of moisture in the atmosphere in a very effective manner, while it is rendered very durable and capable of outlasting the ordinary cotton or rubber hose.

The advantages of my improved hose are that it is unaffected by water, acids, alkalies or the like passing through it, resists the ordinary changes of temperature and moisture in the atmosphere, and has long life, great durability and low cost. The body portion can also be made from jute or other textile fiber.

Having thus described the invention, what I claim is:

As an article of manufacture, hose consisting of an absorbent woven fabric body portion which has been saturated with a solution of asphaltum and dried.

PHILIP L. WOOSTER.

In the presence of—

B. L. DURYEA,  
WM. SCHNEIDER.