

(No Model.)

2 Sheets—Sheet 1.

G. WESTINGHOUSE, Jr.

PIPE JOINT FOR GAS MAINS.

No. 340,268.

Patented Apr. 20, 1886.

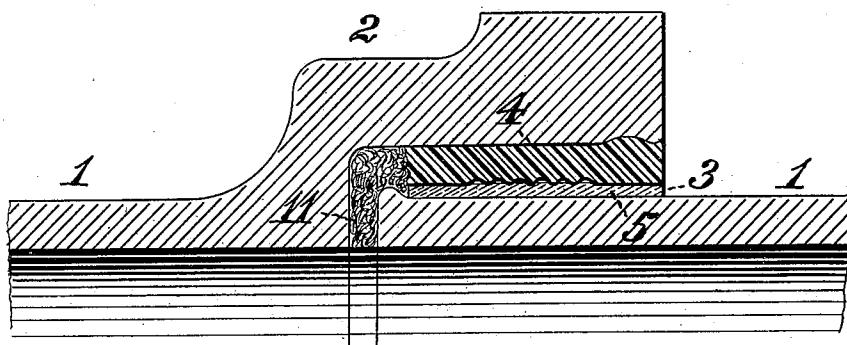


Fig. 1.

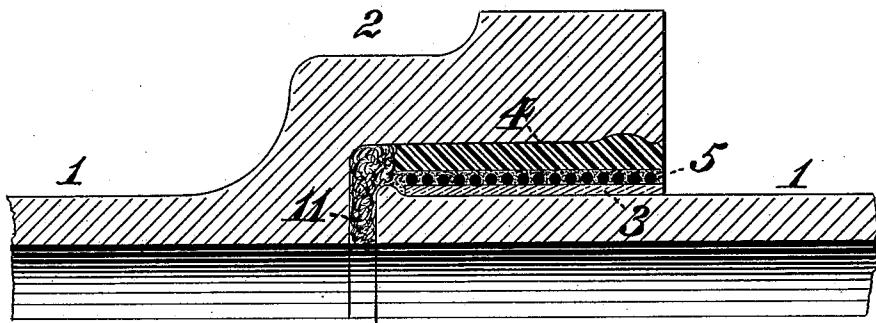


Fig. 2.

Witnesses.

C. M. Clarke
R. H. Whittlesey

Inventor George Westinghouse Jr.
By Attorney J. Howard Bell.

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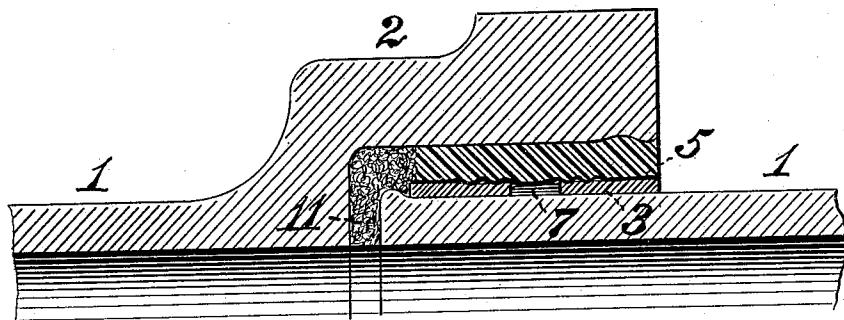


Fig. 3.

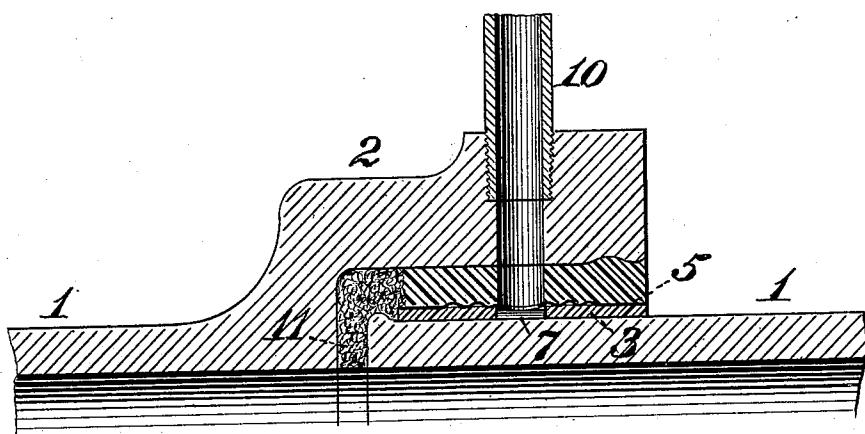


Fig. 4.

Witnesses.

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Inventor George Westinghouse, Jr.
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UNITED STATES PATENT OFFICE.

GEORGE WESTINGHOUSE, JR., OF PITTSBURG, PENNSYLVANIA.

PIPE-JOINT FOR GAS-MAINS.

SPECIFICATION forming part of Letters Patent No. 340,268, dated April 20, 1886.

Application filed March 1, 1886. Serial No. 193,560. (No model.)

To all whom it may concern:

Be it known that I, GEORGE WESTINGHOUSE, Jr., residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, a citizen of the United States, have invented or discovered a certain new and useful Improvement 5 in Pipe-Joints for Gas-Mains, of which improvement the following is a specification.

In the accompanying drawings, which make 10 part of this specification, Figures 1 to 4 are longitudinal half-sections through pipe joints illustrating the application of my invention.

My invention relates to pipe joints of the 15 bowl and spigot type; and its object is to afford effective and convenient means for packing the same.

To this end my invention, generally stated, consists in the combination of a bowl or socket ended pipe-section, a spigot or plain ended 20 section inserted therein, a packing of rubber, fiber, or analogous material, stretched over the spigot end and protected by a metallic cover, and a soft-metal packing filling the 25 space in the bowl exterior to the spigot packing.

The improvement claimed is hereinafter fully set forth.

In the practice of my invention the spigot end of a pipe-section, 1, is inserted in the usual 30 manner in the bowl 2 of the adjacent pipe-section 1. The spigot end within the bowl is inclosed by a packing, 3, of rubber, fiber, or analogous material, which is stretched around it, and is in turn inclosed by a metallic cover, 5, 35 in order to protect it while the lead packing with which the remaining space within the bowl is to be filled is being poured. The cover of the spigot-packing may be either a strip or plate of metal, plain or corrugated, as in 40 Figs. 1 to 3, or a coil of wire wound around it, as in Fig. 4. The space between the cover 5

and the inner surface of the bowl is filled with a packing, 4, of lead or other soft metal, which is poured into the bowl and calked at its outer end. Hemp or other packing, 11, may be interposed between the end of the spigot and the shoulder of the bowl. 45

The spigot-packing 3 may be divided longitudinally into two sections, separated by an intervening space, which forms a chamber, 7, 50 for intercepting leakage from the main, as in sundry of my prior patents, and such chamber may be provided with a vent or escape-pipe, 10, communicating with a passage leading through the bowl, soft-metal packing, and 55 cover of the spigot-packing, and connected in any suitable manner.

I claim herein as my invention—

1. The combination of a bowl or socket ended section, a spigot or plain ended section 60 inserted therein, a packing of rubber, fiber, or analogous material inclosing the spigot-end, a protecting cover of metal surrounding said spigot-packing, and a soft-metal packing filling the space in the bowl exterior to said cover, substantially as set forth.

2. The combination of a bowl or socket ended pipe section, a spigot or plain ended section inserted therein, a packing of rubber, fiber, or analogous material formed in two 70 sections, separated by an intervening space constituting a leakage-intercepting chamber, a protecting cover of metal surrounding said spigot-packing, and a soft-metal packing filling the space in the bowl exterior to said cover, 75 substantially as set forth.

In testimony whereof I have hereunto set my hand.

GEO. WESTINGHOUSE, JR.

Witnesses:

J. SNOWDEN BELL,
R. H. WHITTLESEY.