

(No Model.)

S. LOYD.
PIPE BRANCH.

No. 419,694.

Patented Jan. 21, 1890.

Fig. 1.

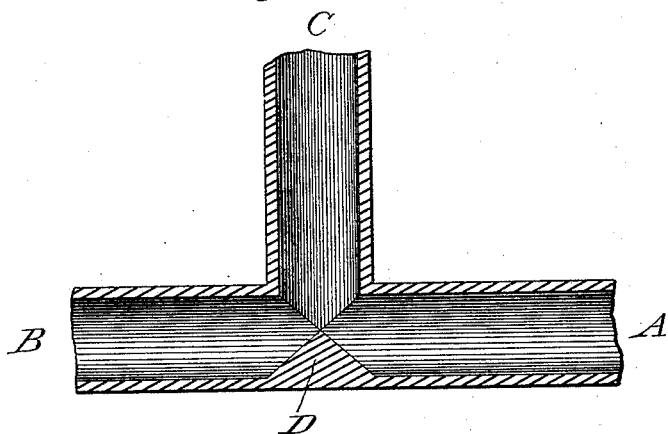
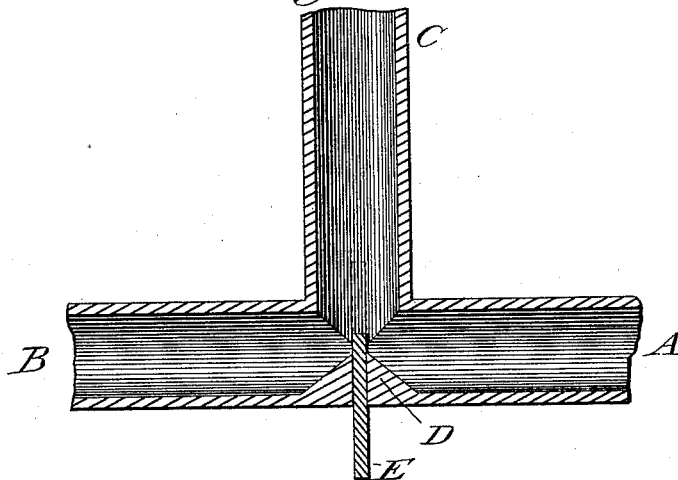


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

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PIPE BRANCH.

SPECIFICATION forming part of Letters Patent No. 419,694, dated January 21, 1890.

Application filed August 8, 1888. Serial No. 282,289. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL LOYD, a citizen of the United States, and a resident of the city, county, and State of New York, have
5 invented a new and useful Improvement in Pipe Branches, of which the following is a specification.

The object of my invention is to induce an upward flow of water through vertical
10 branches of service-pipe, so that the current will not be cut off or siphoned back when the lower faucets are being used.

In the accompanying drawings, Figure 1
15 represents a section of horizontal service-pipe with a vertical branch. The flow enters from either direction through the ports A or B, and, coming in contact with the projection D, is driven upward into the vertical branch C.

Fig. 2 represents a similar T-branch provided with the projection D, which is furnished with a slot for the introduction of the adjustable key for the purpose of regulating the volume of the flow.

I claim as my invention—

The combination, with a T-coupling for
25 pipes, of an adjustable current-deflector projecting into the arm of the vertical branch, as herein shown and described.

In testimony that I claim the foregoing as
30 my invention I have signed my name, in presence of two witnesses, this 1st day of June, 1888.

SAMUEL LOYD.

Witnesses:

A. W. ALMQVIST,
I. P. LOYD.