

E. A. LELAND.

COMBINED STOP-COCK AND T JOINT.

No. 178,312.

Patented June 6, 1876.

Fig. 1.

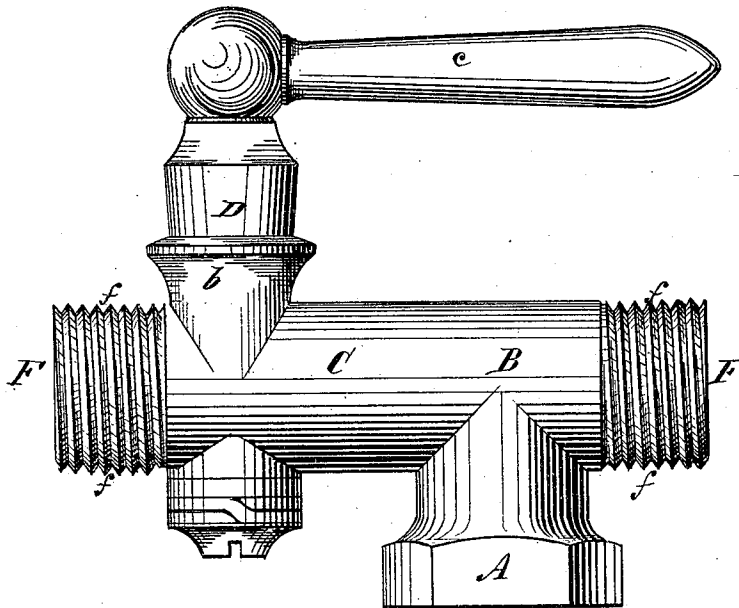
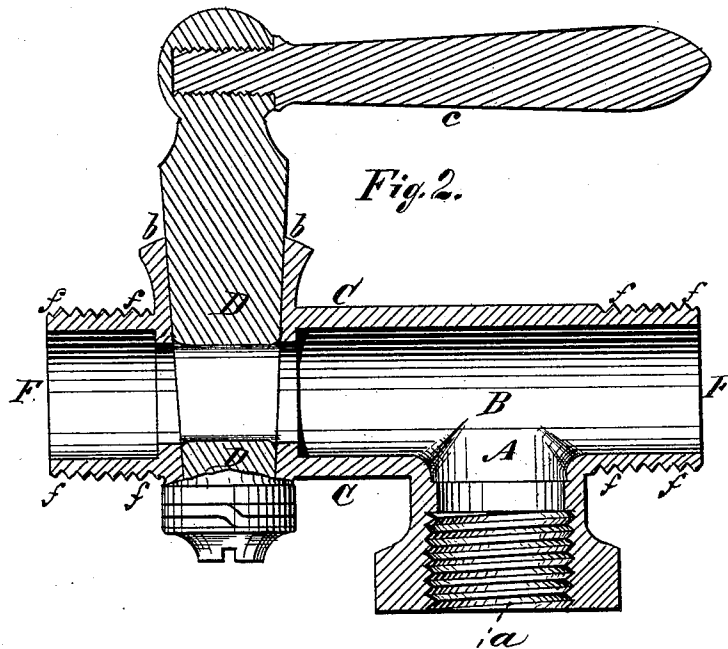


Fig. 2.



Witnesses:

Henry Eichling.
Edmund Kelly.

Inventor:

Edwin A. Leland.
per James A. Whitney
Atty.

UNITED STATES PATENT OFFICE.

EDWIN A. LELAND, OF NEW YORK, ASSIGNOR TO LEONARD RICHARDSON,
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IMPROVEMENT IN COMBINED STOP-COCKS AND T-JOINTS.

Specification forming part of Letters Patent No. **178,312**, dated June 6, 1876; application filed
April 12, 1876.

To all whom it may concern:

Be it known that I, EDWIN A. LELAND, of the city, county, and State of New York, have invented an Improvement in Combined Stop-Cocks and T-Joints for Range-Boilers, &c., of which the following is a specification:

It is the ordinary practice in fitting stop-cocks and T-joints to range-boilers and other like apparatuses to wipe the T-joint into the pipe, and also to wipe the stop-cock into the pipe in proper relation with the T-joint, three wipe-joints being thereby rendered necessary in providing the T-joint and stop-cock for the boiler—an ugly and cumbrous job being thus produced, and the joints being liable to sweat where the T-joint and the stop-cock are inserted; all this being well understood by plumbers, and requiring no more specific description here.

The object of my invention is to obviate all this, by providing as a new and complete article, ready for use, a combined T-joint and stop-cock formed in one, with a short section of pipe, and provided at each end with a screw-thread. By this means the insertion of the T-joint and stop-cock by the clumsy wipe-joints is avoided, and provision is made for the insertion of the appliances into the pipe at a mere fraction of the cost involved in the practice of the usual method; the device complete being simple, cheap, strong, and constituting a new article of manufacture and trade.

Figure 1 is a side view, and Fig. 2 a longitudinal section, of a combined T-joint and stop-cock made according to my invention.

A is the stem of the T-joint, internally threaded, as shown at *a*, to receive any pipe desired to be attached thereto, and B is the T or head of said joint.

The T or head B is formed in one portion of a short section-pipe, C, in the opposite ends of which is formed the socket *b*, which receives the plug D of the stop-cock—this latter furnished with the usual handle *c*.

Upon the two opposite ends of the device, as thus constituted, are formed screw-threads *f*, upon which lengths or sections of pipes may be screwed when the stop-cock and T-joint are applied in position with reference to the range-boiler or similar apparatus.

It will be observed that the T-joint A B, the stop-cock D *c* with its adjuncts, and the screw-threaded ends *f*, are all formed in one—that is to say, taken together they constitute a single device, apparatus, or piece of mechanism, which would fail to accomplish its intended purpose if any or either of the just herein-named parts were removed; and that the said apparatus is fitted into its place, when applied to use, by its threaded ends *f*, afore-said; the troublesome, expensive, and clumsy wiped joints, ordinarily requisite in the attachment of a stop-cock and T-joint to the pipe of a range-boiler or like apparatus, being entirely superseded and done away with, a much neater and satisfactory, as well as much cheaper, job being secured.

What I claim as my invention is—

The herein-described new article of manufacture, comprising the T-joint A B, short pipe-section C, stop-cock D *b c*, and the ends F, constructed with the screw-threads *f*, the whole combined, constructed, and arranged substantially as and for the purpose herein set forth.

EDWIN A. LELAND.

Witnesses:

EDWARD HOLLY,
H. WELLS, Jr.