

No. 848,259.

PATENTED MAR. 26, 1907.

F. B. MORTON.
DRAINAGE FITTING.
APPLICATION FILED AUG. 13, 1906.

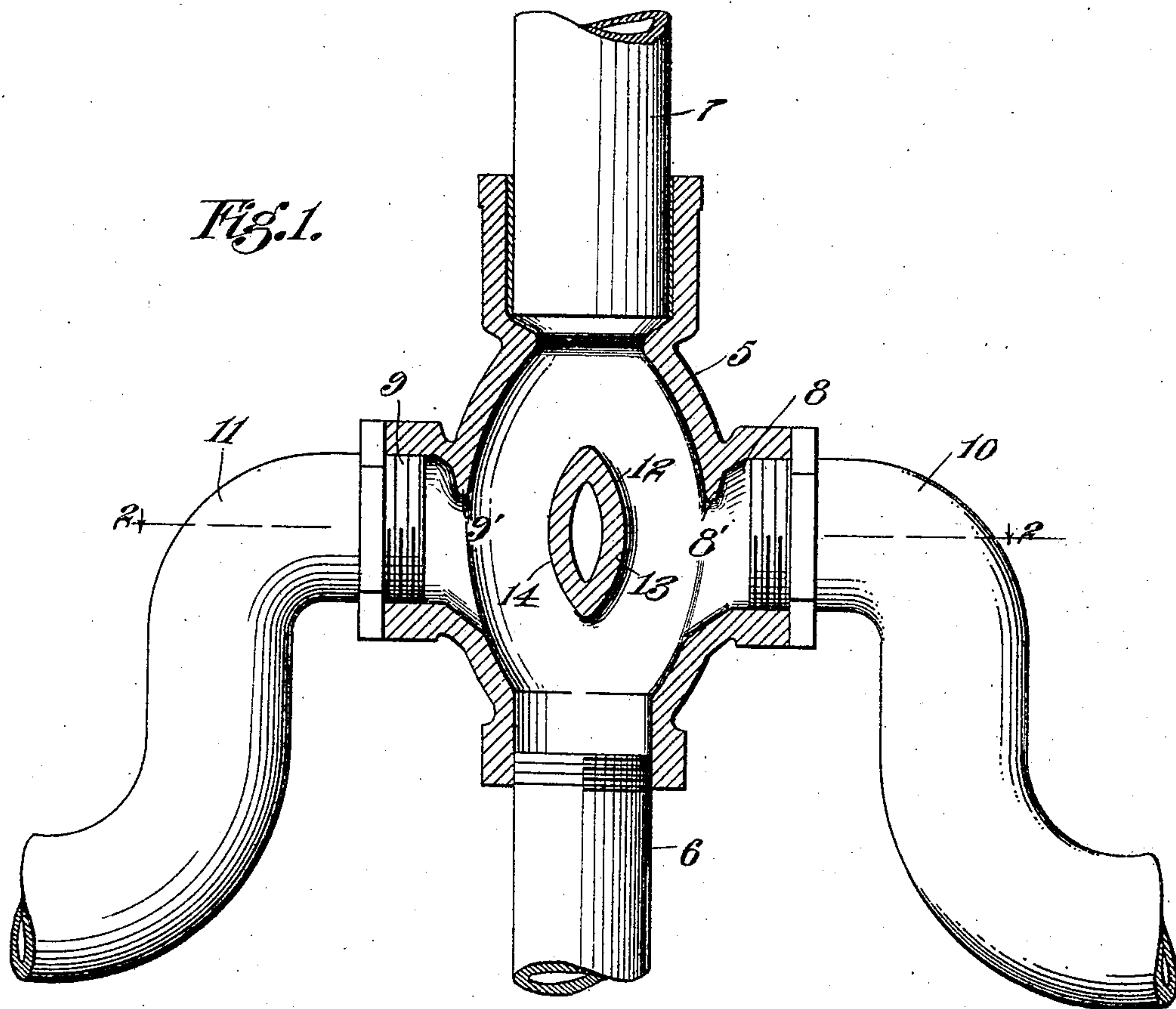
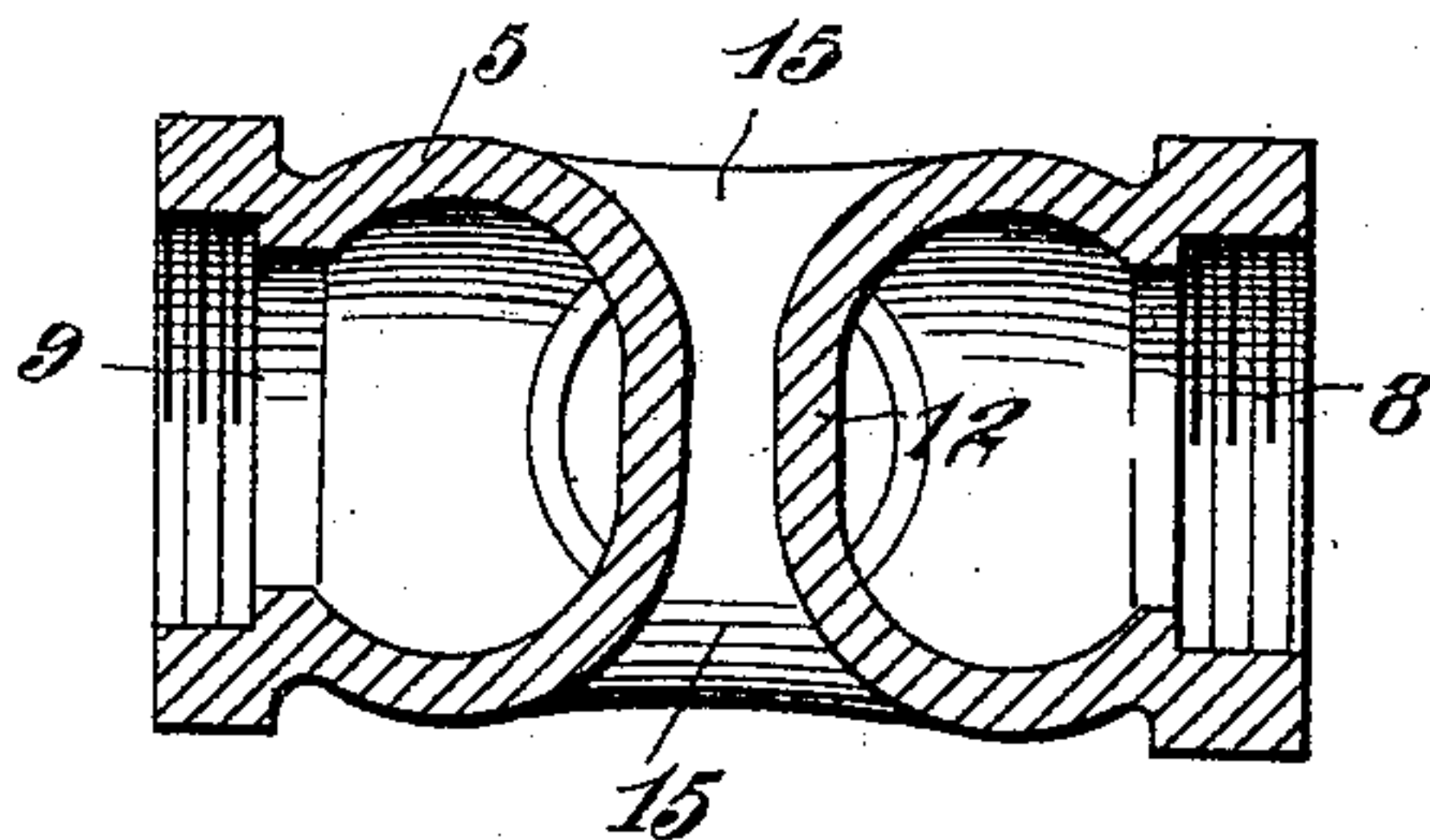


Fig. 2.



Witnesses

Frank C. Cullen
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By

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UNITED STATES PATENT OFFICE.

FRED B. MORTON, OF PASADENA, CALIFORNIA.

DRAINAGE-FITTING.

No. 848,259.

Specification of Letters Patent.

Patented March 26, 1907.

Application filed August 13, 1906. Serial No. 330,307.

To all whom it may concern:

Be it known that I, FRED B. MORTON, a citizen of the United States, residing at Pasadena, in the county of Los Angeles and State of California, have invented new and useful Improvements in Drainage-Fittings, of which the following is a specification.

My invention relates to a T or cross for use in waste and ventilating pipes that are placed in partitions and which afford outlets and ventilation on both sides of the partition; and the object thereof is to provide a T-fixture that when used in a pipe in a partition will absolutely safeguard the trap of the fixture on one side of said partition from being siphoned out when the waste in the fixture of the other side of the partition is passing through the T and to prevent water from one fixture from passing into the outlet of the other fixture.

Another object is to provide a fitting in which straight walls and sharp angles are avoided and in which curved full-discharge clearances are provided.

I accomplish this object by means of the T described herein and illustrated in the accompanying drawings, in which—

Figure 1 is a central longitudinal section taken through the outlets, showing the pipe connections in elevation. Fig. 2 is a transverse section of the T, taken on line 2 2 of Fig. 1.

In the drawings the fitting is shown as composed of two oppositely-curved pipes 5 and 6, having a common bottom 7, to which is connected the waste-pipe 8. These pipes have a common top 9, to which is connected the usual vent-pipe 10, which when there are several floors is connected to a common vent outlet-pipe. (Not shown.) Between the common top and the bottom these pipes are preferably separated to form an elliptical opening 12 therethrough, as thereby the inner surfaces are all curved surfaces and all sharp corners in which waste commonly lodges are avoided. At opposite sides of pipes 5 and 6 are the inlets 13 and 14 for the reception of the fixture-pipes 15 and 16. The upper edges of these inlet-openings are preferably provided with downwardly-pro-

jecting deflector-tongues 17 and 18 to deflect the water downwardly. The lower edges of these inlets slope downwardly to compensate for the tongues, that they may not obstruct the passage of water there-through. It will thus be seen that the fixture connected to either outlet may be used without in the slightest manner affecting the opposite fixture, as each discharges into an independent passage, and that both passages are independently vented, so that one cannot siphon the trap of the other. It will further be seen that from the inlets 13 and 14, both upwardly and downwardly, the passages are substantially circular in cross-section, thereby, as before stated, avoiding sharp corners and providing curved surfaces over which waste will flow freely. This fitting is cast in a single piece and is simple in construction and can be quickly put in place and has no leakable joints.

What I claim is—

1. A fitting comprising two pipes having circular passages therethrough and having a common top and bottom and provided with inlets on opposite sides thereof.

2. A fitting comprising two oppositely-curved pipes having circular passages therethrough and having a common top and bottom and provided with inlets on opposite sides thereof.

3. A fitting comprising a casing provided with two circular passages, said passages having a common top and bottom and two opposed inlets on said passages, one on each passage at points where said passages are separated.

4. A fitting comprising two oppositely-curved pipes having circular passages therethrough, said pipes being united at the top and bottom and provided with inlets on the opposite sides thereof, the whole being cast in one piece.

In witness that I claim the foregoing I have hereunto subscribed my name this 7th day of August, 1906.

FRED B. MORTON.

Witnesses:

EDMUND A. STRAUSE,
B. M. WILKINSON

It is hereby certified that in Letters Patent No. 848,259, granted March 26, 1907, upon the application of Fred B. Morton, of Pasadena, California, for an improvement in "Drainage-Fittings," errors appear in the drawings requiring correction, as follows: In Figure 1, reference numerals should be corrected to read as follows: "6" should read 8; "7" should read 10; "8" should read 13; "8'" should read 17; "9" should read 14; "9'" should read 18; "10" should read 15, and "11" should read 16. In the same figure, numerals "13" and "14" should be stricken out; "12" should be connected to the elliptical opening; the common bottom should be designated by reference numeral 7; the common top by numeral 9, and the opposite curved pipes by numerals 5 and 6. In Figure 2, reference numeral "12" should be stricken out and numerals 8, 9, and 15 should read 13, 14, and 12, respectively; and that the said Letters Patent should be read with these corrections therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 28th day of May, A. D., 1907.

[SEAL.]

E. B. MOORE,
Acting Commissioner of Patents.