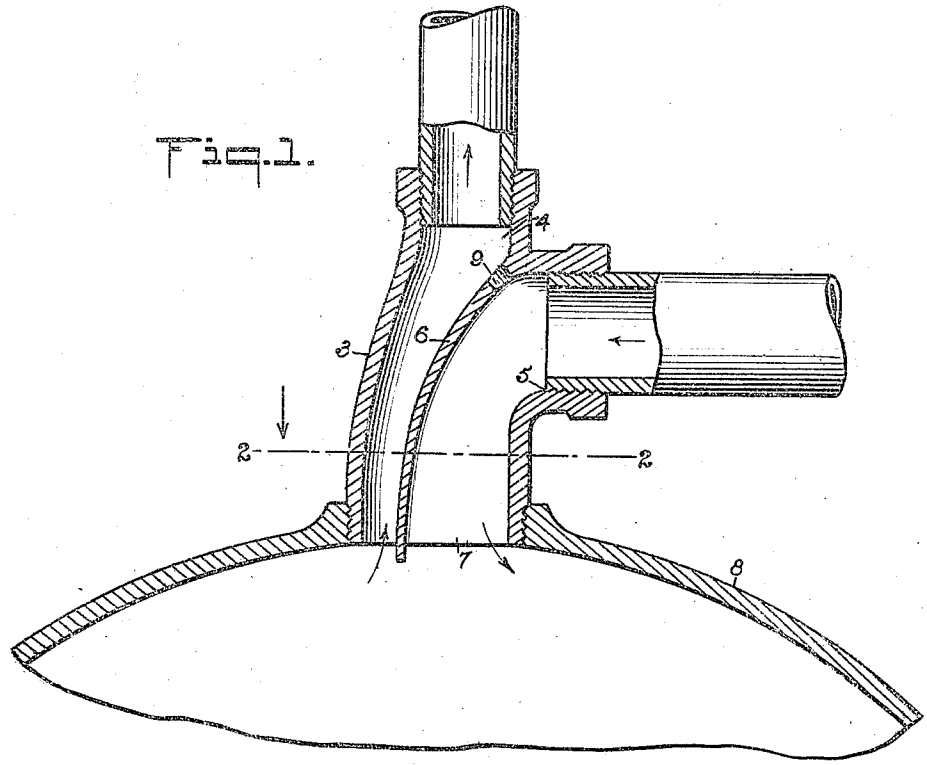
G. K. GILBERT.

PIPE FITTING.

APPLICATION FILED JAN. 31, 1917.

1,236,160. Patented Aug. 7, 1917.

Fig. 1.



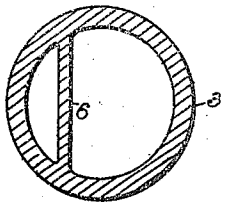


Fig. 2.

WITNESSES

INVENTOR

G. K. Gilbert

BY Munn & Co

ATTORNEYS

UNITED STATES PATENT OFFICE.

GEORGE KNUTE GILBERT, OF JUNEAU, TERRITORY OF ALASKA.

PIPE-FITTING.

1,236,160. Specification of Letters Patent. Patented Aug. 7, 1917.

Application filed January 31, 1917. Serial No. 145,649.

To all whom it may concern:

Be it known that I, GEORGE K. GILBERT, a citizen of the United States, and a resident of Juneau, in the Territory of Alaska, have invented a new and Improved Pipe-Fitting, of which the following is a full, clear, and exact description.

My invention relates to a pipe fitting particularly suitable for hot-water-pipe connections. An object of the invention is to provide a fitting which will facilitate the circulation of hot water in the connection between the hot-water-heating coil and the storage tank or range boiler.

With the above and other objects in view, the nature of which will more fully appear as the description proceeds, the invention consists in the novel construction, combination and arrangement of parts as herein fully described, illustrated and claimed.

In the accompanying drawings, forming part of the application, similar characters of reference indicate corresponding parts in both views.

Figure 1 is a section through a storage tank or range boiler provided with a fitting embodying my invention; and

Fig. 2 is a cross section on line 2—2, Fig. 1.

The fitting 3 is in the shape of a T, the openings 4 and 5 of which are separated by a partition 6 which preferably extends slightly out from the openings 7 of the fitting. This partition forms a baffle between the openings 4 and 5 and establishes independent communication between the openings 7 with the openings 4 and 5 respectively. This baffle 6 prevents a direct flow of fluid from the opening 5 to the opening 4 without causing the fluid to pass through the opening 7.

In case of a hot water system, the fitting 3 would be secured to the tank 8 so that the opening 7 would be in direct communication with the tank. If water is drawn through the opening 4 of the fitting, and water flows into the tank from the heating coil through the opening 5, the water from the opening 5 cannot pass directly into the opening 4 without passing through the tank 8. To prevent air lock at the opening 5 when drawing water through the opening 4, a vent 9 is provided in the partition or baffle 6 in proximity of the openings 4 and 5.

It is self-evident that the fitting at the openings may have exterior or interior threads and be provided with any other suitable means for securing it in the desired place.

I claim:

A T-shaped fitting having a partition separating two of the openings and bringing each of said separated openings into direct communication with the third opening, said partition projecting out of said third opening and having a vent in proximity to the two openings separated by the partition.

GEORGE KNUTE GILBERT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."