

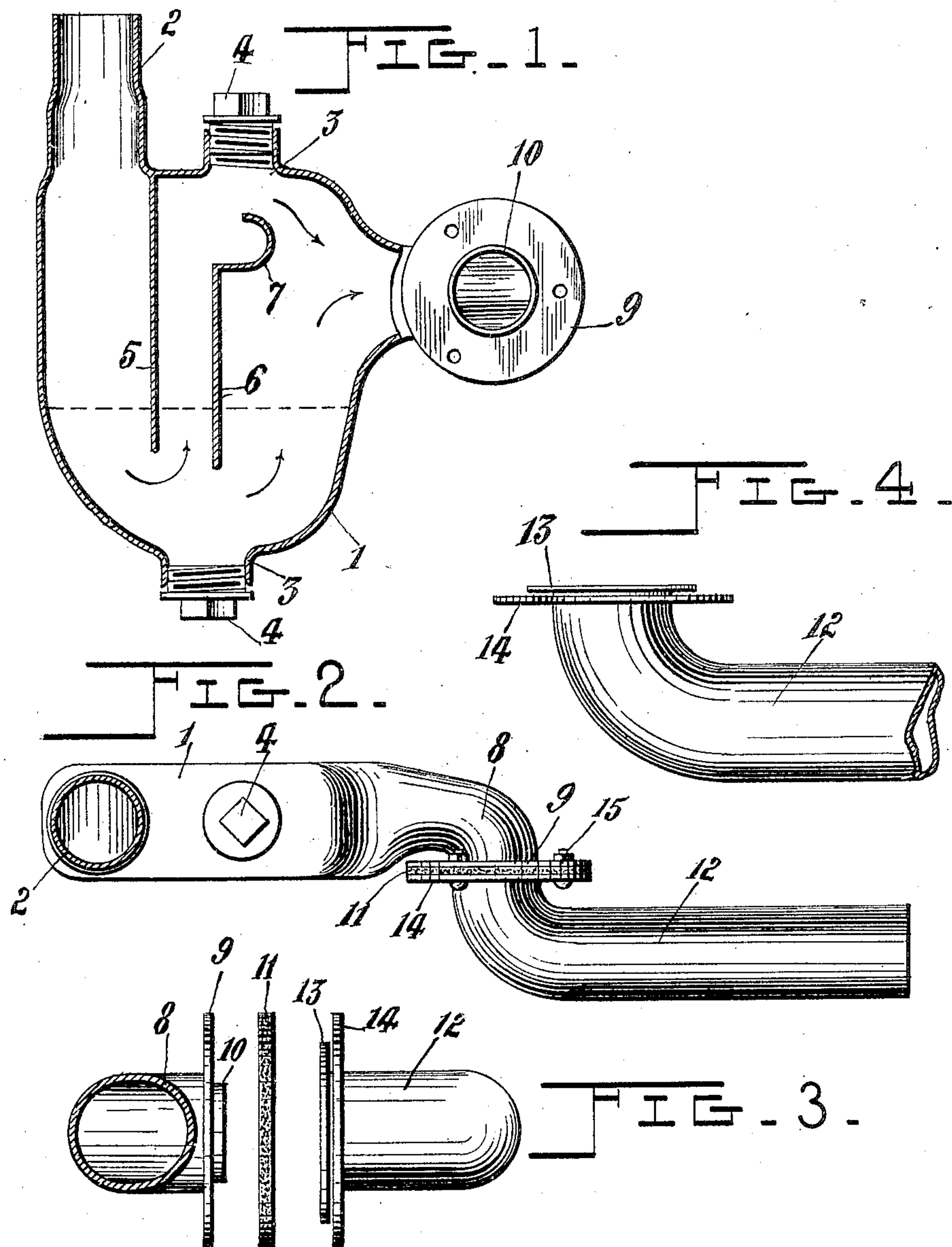
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C. MARTINEAU & C. PREVOST.

WATER TRAP.

APPLICATION FILED NOV. 29, 1905.



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CHARLES MARTINEAU AND CAMILLE PREVOST, OF MONTREAL, CANADA.

WATER-TRAP.

No. 822,462.

Specification of Letters Patent.

Patented June 5, 1906.

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To all whom it may concern:

Be it known that we, CHARLES MARTINEAU and CAMILLE PREVOST, subjects of the King of Great Britain, residing in the city and district of Montreal, in the Province of Quebec, Canada, have invented certain new and useful Improvements in Water-Traps; and we do hereby declare that the following is a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to water-traps.

The object of our invention is to provide means to prevent water from being siphoned from the trap, so that a quantity of water will always be retained for the purpose of maintaining a seal.

A further object of our invention is to provide means for connecting the trap to a waste-pipe at any angle.

A further object of our invention is to provide means for arresting the movement of solid objects which may be carried into the trap; and our invention consists of the construction, combination, and arrangement of parts as herein illustrated, described, and claimed.

In the accompanying drawings, forming part of this application, we have illustrated one form of embodiment of our invention, in which drawings similar reference characters designate corresponding parts, and in which—

Figure 1 is a central vertical section through the trap, showing the waste-pipe in elevation. Fig. 2 is a plan view of the trap and the outlet-pipe, showing the inlet-pipe in section. Fig. 3 is a plan view of the parts forming the connection between the outlet-pipe and the waste-pipe, said parts being separated, but shown in their relative operative positions. Fig. 4 is a plan view of the waste-pipe detached.

Referring to the drawings, 1 designates a casing having an inlet-pipe 2 and having clean-out openings 3, which latter are closed

by screw-threaded plugs 4. Depending from the upper wall of the casing 1 is a baffle-plate 6, having a curved upper end 7.

The casing 1 is provided with an outlet-pipe 8, having a flange 9 transverse to its axis and lying in a plane parallel to the sides of the casing 1. The outlet-pipe 8 is provided with an annular flange projecting parallel to the axis of the outlet-pipe, around which is disposed suitable packing 11.

Disposed over the end of the annular projection 10 is the end of a waste-pipe 12, provided with a flange 13, adapted to bear against the packing and to receive the contact of a washer 14, which is of the same size as the flange 9 upon the outlet-pipe 8. The flange 9 and the washer 14 are held together by bolts 15.

Water admitted into the trap through the inlet-opening will take the course indicated by the arrows in Fig. 1—that is to say, it will be divided into two channels, one between the partition 5 and the plate 6 and the other between the plate 6 and one side of the casing 1. That portion of the water lying between the partition 5 and the plate 6 when the supply is cut off will not be siphoned off through the outlet-pipe 8, but will flow back and fill the space below the dotted line in Fig. 1, so that the lower ends of the partition 5 and baffle-plate 6 are covered, thereby providing a water seal. The curved upper end 7 of the baffle-plate 6 will effectually arrest the movement of solid matter passing between the partition 5 and the baffle-plate 6 and will to a certain extent arrest the flow of water therethrough.

By means of the washer 14 a tight joint between the outlet-pipe 8 and the waste-pipe 12 may be effected, and at the same time the pipe 12 may be connected to the pipe 8 at any angle in the same vertical plane.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A water-trap comprising a casing having a depending partition and provided with

a baffle-plate having a curved upper end, and provided with an outlet-pipe.

2. In a water-trap, the combination comprising a casing having a depending partition
5 and a baffle-plate provided with a curved upper end and having an outlet-pipe provided with a plurality of flanges, a packing disposed around one of said flanges, a waste-pipe provided with a flange, a washer on the waste-

pipe, and bolts adapted to connect the washer with one of the flanges of the outlet-pipe.

In witness whereof we have hereunto set our hands in the presence of two witnesses.

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Witnesses:

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