J. F. BARKER.

PUMP BASE.

APPLICATION FILED FEB. 23, 1910.

978,538. Patented Dec. 13, 1910.

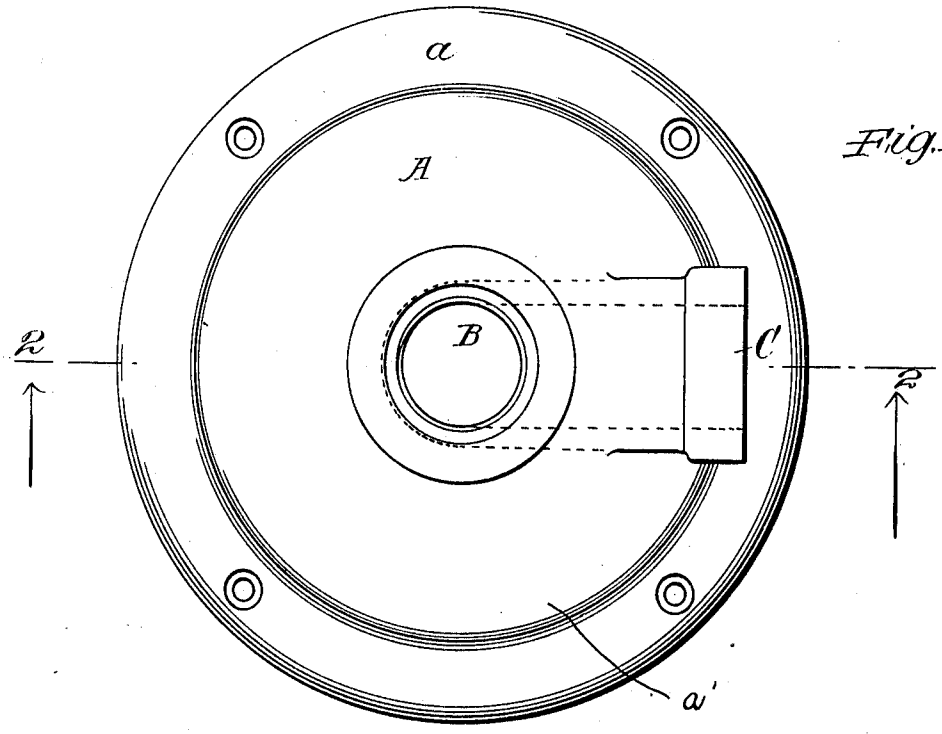

Fig. 1.

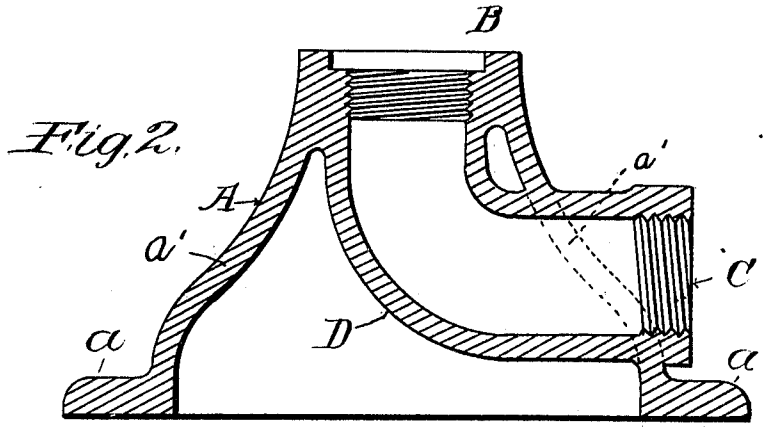

Fig. 2.

Witnesses:
W. F. Benjamin
S. F. Randall

Inventor
John F. Barker
By his Attorney
Clarkson A. Collins

UNITED STATES PATENT OFFICE.

JOHN F. BARKER, OF SPRINGFIELD, MASSACHUSETTS.

PUMP-BASE.

978,538. Specification of Letters Patent. Patented Dec. 13, 1910.

Application filed February 23, 1910. Serial No. 545,421.

To all whom it may concern:

Be it known that I, JOHN F. BARKER, a citizen of the United States, residing in the city of Springfield, county of Hampden, and State of Massachusetts, have invented a new and Improved Pump-Base, of which the following is a specification.

My invention relates to that class of bases used for heavy pumps, such as measuring pumps for gasolene, which are required to be securely attached to the floor or platform upon which the pump stands, so as to provide a rigid and steady support therefor. Such bases have heretofore been formed of cast metal in the shape of a hollow cone, into which enter the pipes leading from the source of supply and to the pump, such pipes being secured together within the hollow base by a coupling into which the pipes, or nipples to which the pipes are attached, are screwed. With such an arrangement not only is much time and labor required to connect the pipes, or nipples, with the coupling, because of the difficulty of securing a proper alinement of the parts within the hollow base, but such connection affords a point of possible leakage within the base which may long remain undiscovered, and in the case of gasolene is a source of danger, and which can only be remedied by a complete disconnection of the pump and pipes and removal of the base from its setting. To the end of eliminating these defects while retaining the advantages incident to the hollow conical base, my improvement, broadly stated, consists in providing the pump base with a pipe section located within the base and cast integral therewith, which connects vertical and lateral openings in the base, which openings are screw-threaded to permit of the attachment of the pipes leading from the base to the pump and to the source of supply. By this means the pump base is enabled to be firmly secured in place in the first instance, after which the pipes can be easily secured thereto, and no subsequent leakage within the base is possible.

My invention will be best understood by reference to the accompanying drawings, Figure 1 of which shows a plan view, and Fig. 2, a section on the line 2—2, Fig. 1 of an embodiment thereof.

Referring to the drawings, A indicates a hollow cast metal base, of generally conical form, provided with a conical supporting wall *a'* terminating at the bottom in an outwardly extending reinforcing flange or rim, *a*, for attachment of the base to a floor or other surface, and having a vertical opening, B, and lateral opening, C, screw-threaded for the attachment of pipes thereto. Within the base and formed integral therewith in the process of casting is a pipe section, D, which connects the openings, B, C, and forms a continuous and permanent passage through the base for the liquid to be delivered by the pump. The pipe section D forms a curved brace extending from the edges of the aperture B at the top of the hollow body to the edges of the aperture C at the side and greatly strengthens the construction while permitting it to be cast with comparatively thin walls, thus making it light, and inexpensive to manufacture. The construction of this base is important as it forms the only support for the pump and the only means of holding the pump steady against lateral strains and vibration, to which it is very largely subjected. In setting up the pump with such a base, the base, A, is secured to the floor or other surface by screws passing through the rim, *a*, and the connecting pipes can then be easily connected by screwing them directly into the threaded openings, B, C. In case it is necessary to disconnect and replace the pump it is not required to move the base, which can remain permanently in position since there is no possibility of leakage therein, advantages which will be readily appreciated by those skilled in the art.

What I claim as new and desire to secure by Letters Patent is:

The herein described pump base comprising a hollow cast metal body having a substantially conical wall provided with a continuous lower edge, for engaging a supporting surface and bracing the pump in all directions, and with means for attaching it to the supporting surface, said body having a

threaded aperture at its upper end to receive the lower end of a pump cylinder, and a threaded lateral aperture in said wall to receive a pipe, and a curved pipe section cast integrally with said main body connecting said threaded apertures and serving as an additional brace for the conical wall.

In testimony whereof, I have hereunto subscribed my name, this 19th day of February, A. D. 1910.

JOHN F. BARKER.

Witnesses:

CHARLES C. RAMSDELL,

RAYMOND J. SHEA.