Dec. 29, 1925. 1,567,131

J. R. FLINN

CAP FOR WASTE AND VENT PIPES

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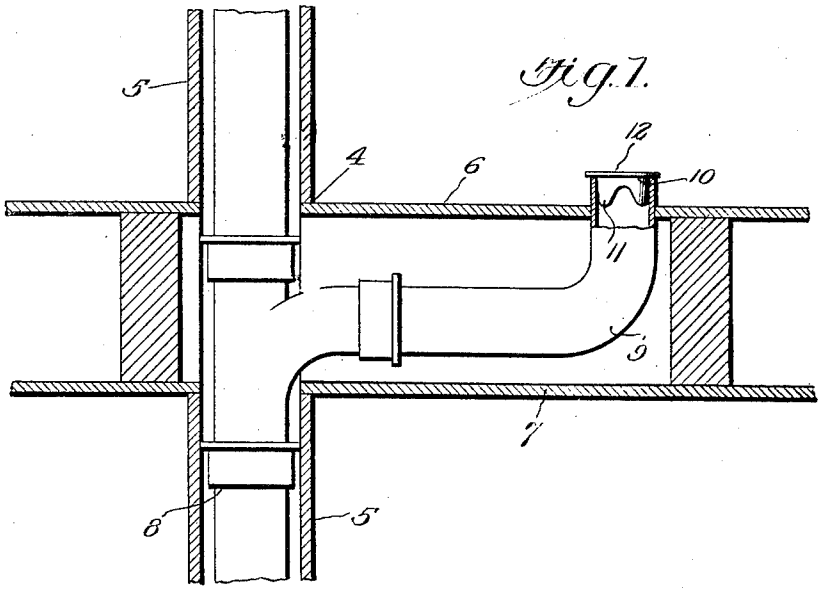


Fig. 1.

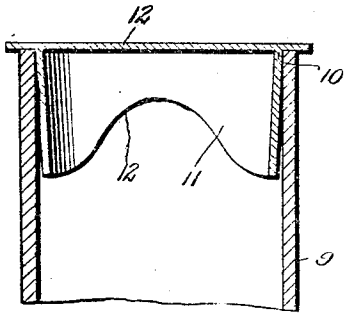


Fig. 2.

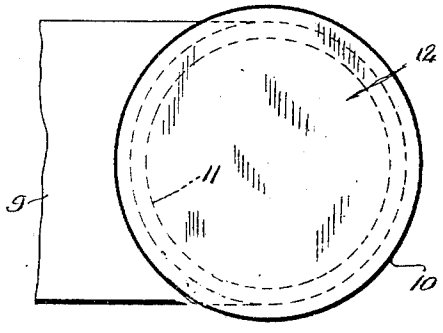


Fig. 3.

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UNITED STATES PATENT OFFICE.

JOHN R. FLINN, OF JOHNSTOWN, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO TIMOTHY P. FLINN AND P. H. FARRELL, BOTH OF JOHNSTOWN, PENNSYLVANIA.

CAP FOR WASTE AND VENT PIPES.

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To all whom it may concern:

Be it known that I, JOHN R. FLINN, a citizen of the United States, residing at Johnstown, in the county of Cambria and State of Pennsylvania, have invented certain new and useful Improvements in Caps for Waste and Vent Pipes, of which the following is a specification.

The present invention relates to caps for waste and vent pipes and has for an object to provide a simple, inexpensive and durable cover capable of application to a waste or vent pipe immediately upon installation of the latter, to forestall the possibility of débris entering the open end of the pipe, which is usually exposed for a protracted period of time before connecting the plumbing fixtures thereto.

A coordinate object of the invention is to provide a cap or cover which is so constructed that it may be conveniently fitted into castings of different configurations and is likewise applicable for use on castings of varying diameters and uneven peripheries, thereby adapting the device for castings or roughing of all kinds without need for change or adjustment preparatory to using the same.

Other objects of the invention will be apparent from the following description of the present preferred form of the invention taken in connection with the accompanying drawings wherein:—

Fig. 1 is a side elevational view of a cap constructed in accordance with the present invention illustrating its application;

Fig. 2 is a vertical sectional view of the same; and

Fig. 3 is a top plan view thereof.

It is well known in the art of plumbing that to equip a building with plumbing facilities the so-called "roughing" is first done which consists in the installation of waste and vent pipes in the walls, between the floors and ceilings, etc. leaving open ends of certain of the pipes exposed for engagement of plumbing fixtures, such as wash stands, water closets, etc., thereto. The roughing work in plumbing is customarily done before the lathers, plasterers, carpenters and other artisans complete their work with the result that unless these open ends of the roughing are covered in some way débris, such as particles of plaster, pieces of wood, sometimes tools and the like, get into the waste and vent pipe with obvious results. Sometimes plumbers use rags or paper to fill up the open ends of the pipes with the result that these are frequently pushed down into the pipe with ensuing trouble. A more expensive way of covering these openings is to make a lead cap and fit it thereover which is costly in the extreme and, therefore, impractical. It is, therefore, the purpose of the present invention to provide caps which can be expeditiously mounted in the open ends of the waste and vent pipes which a plumber can carry with him with the rest of his materials eliminating all loss of time.

In order to illustrate the application of the present invention a portion of a building 4 is shown consisting of walls 5, floor 6 and ceiling 7. Between the walls, floors and ceiling the waste pipe system or "roughing" 8 is mounted one end of the "bend" 9 of which extends above the floor 6 and is adapted to receive the water closet, or other plumbing fixture.

The present invention per se consists of a cap 10 preferably made of metal and comprising a tapering tubular body portion 11 and a circular or discal shape head 12. The free marginal edge of the tubular portion 10 of the cap is scalloped to provide recesses 12 at intervals. This permits the accommodation of any enlargements or inequalities formed on the inner periphery of the bend 9 and if the cap is made of a resilient metal, likewise permits this portion of the cap to be contracted under pressure. The head 12 closes the open end of the pipe 9 and is adapted to impinge against the outer terminal of the latter to prevent the entrance of any materials whatsoever into the pipe. Moreover, it will be noted that the periphery of the head extends appreciably beyond the outer periphery of the pipe 9 to provide a ledge against which a hammer or other instrument may be engaged to remove the cap from the waste pipe.

The cap is preferably of integral construction as shown in the drawings and may be stamped, cast, molded, or otherwise manufactured, depending largely upon the nature of the materials used. Preferably, a very inexpensive material is desired to re-

duce the cost of manufacture of the devices to a minimum. Furthermore, by tapering the tubular portion of the cap it is adapted for use with pipes of different sizes and when pressure is applied thereto adjusts itself to the inequalities of the waste pipe, which latter, as a rule, are of very crude construction.

It is, of course, to be understood that the device of the present invention is susceptible of uses other than the one set forth herein. Moreover, the configuration of the device may be changed to adapt the same for use under different conditions, within the scope of the claim hereto appended.

What is claimed is:—

A cap for waste and vent pipes including an integral body comprising a tapering tubular portion one terminal of which is scalloped and the other terminal equipped with a circular head the periphery of which protrudes beyond the outer periphery of the pipe.

JOHN R. FLINN.