

April 3, 1951

W. J. COLLISON

2,547,567

SOIL PIPE REDUCER

Filed Oct. 12, 1949

Fig. 1.

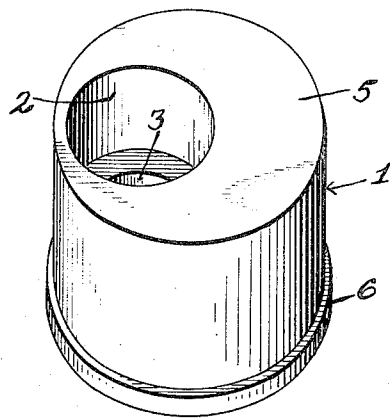


Fig. 2.

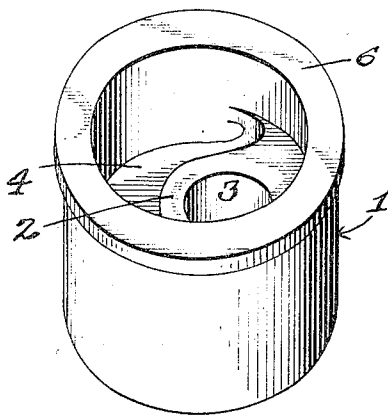
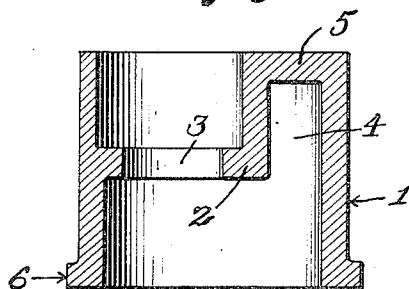


Fig. 3.



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UNITED STATES PATENT OFFICE

2,547,567

SOIL PIPE REDUCER

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Application October 12, 1949, Serial No. 120,989

1 Claim. (Cl. 285—183)

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This invention relates to a soil pipe reducer pattern or an eccentric countersunk offset soil pipe reducer.

An object of the invention is the production of a device which is short, stubby and light in weight, and which device requires no coring to mold, all of which produces a device very inexpensive to manufacture.

Another object of the invention is the production of a device having eccentric action or construction, thereby eliminating the use of two additional fittings to install pipe hidden behind the finished plastered wall; very often my device will save cutting timber and walls by turning the device, with the eccentric feature, to fit the occasion.

A still further object of the invention is the construction of a soil pipe reducer device in which there is a primary cylinder having its upper and lower ends in the same vertical plane, and within said primary cylinder is positioned an auxiliary cylinder, which auxiliary cylinder is integral throughout its height at one side with said primary cylinder.

This invention embodies valuable improvements over the disclosures in my United States Patent No. 2,455,470, issued December 7, 1948.

With the foregoing and other objects in view, my invention comprises certain novel constructions, combinations, and arrangements of parts as will be hereinafter fully described, illustrated in the accompanying drawings, and more particularly pointed out in the appended claim.

In the drawings:

Figure 1 is a perspective view of a device constructed in accordance with the present invention.

Figure 2 is a perspective view, looking at the bottom of the device.

Figure 3 is a vertical, central, sectional view.

Referring to the drawings in which the preferred embodiment of this invention is illustrated, 1 designates the primary cylinder, which is of the same size throughout its length. An auxiliary cylinder 2 is formed in the primary cylinder 1, the auxiliary cylinder 2 being integral throughout its height at one side with said primary cylinder. The auxiliary cylinder has a central opening 3. The primary cylinder 1 has a deep crescent-shaped socket 4, which lightens the device

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and saves material in the construction thereof. The primary cylinder 1 has a substantially crescent-shaped top 5, which performs the dual function of closing the inner end of the crescent-shaped socket 4, as well as providing a surface upon which advertising may be exposed, such as the number of the patent and the manufacturer's name and address.

An annular outwardly extending bead 6 is integral with the inner end of the primary cylinder 1.

The peculiar top portion 5 strengthens the device, as well as providing the features therefor, as hereinbefore described.

The bead 6 is placed on the primary cylinder 1 in the position that is commonly called the spigot end of all soil fittings.

While I have described the preferred embodiment of the invention and illustrated the same in the accompanying drawings, certain minor changes or alterations may appear to one skilled in the art to which this invention relates during the extensive manufacture of the same, and I, therefore, reserve the right to make such changes or alterations as shall fairly fall within the scope of the appended claim.

What I claim is:

As a new article of manufacture, a single piece soil pipe reducer, comprising a primary cylinder of the same thickness throughout its length, an auxiliary cylinder in said primary cylinder and integral throughout its height at one side with said primary cylinder, said primary cylinder provided with a deep socket at one side of said auxiliary cylinder, said primary cylinder provided only at its top with a flat, solid portion closing the inner end of said deep socket and conforming to the shape of said deep socket, and an integral bead on the lower end of said primary cylinder.

WILLIAM J. COLLISON.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
706,298	Carlson	Aug. 5, 1902
2,455,470	Collison	Dec. 7, 1948