L. HEINO.

WASHTRAY.

APPLICATION FILED OCT. 7, 1915.

1,342,046. Patented June 1, 1920.

FIG. 3

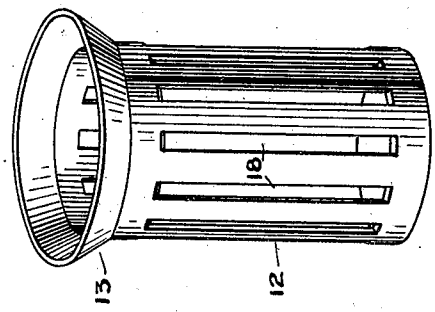


FIG. 2

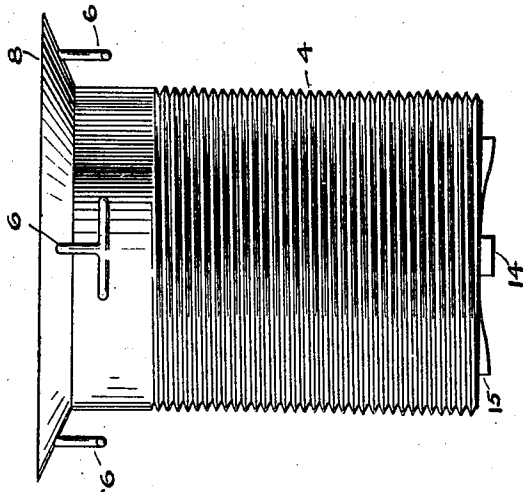
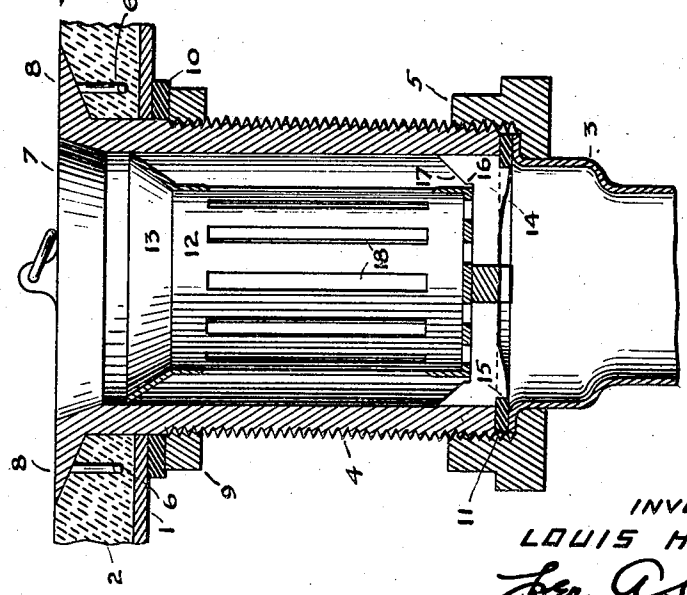


FIG. 1



INVENTOR

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Per A.S. Paré

ATT'Y.

UNITED STATES PATENT OFFICE.

LOUIS HEINO, OF OAKLAND, CALIFORNIA.

WASHTRAY.

1,342,046. Specification of Letters Patent. Patented June 1, 1920.

Application filed October 7, 1915. Serial No. 54,565.

To all whom it may concern:

Be it known that I, LOUIS HEINO, citizen of the United States, residing at the city of Oakland, county of Alameda, State of California, have invented certain new and useful Improvements in Washtrays, whereof the following is a specification.

This invention relates to strainers for waste pipes. Its object is to simplify the construction and cheapen the device and render it more certain and efficient in operation.

In carrying out my invention I take the ordinary waste pipe connection of a wash tray, or equivalent device, and provide it with anchors which, embedded in the cement which forms the bottom of the tray, securely anchors and secures the same. This connection is provided with the usual stopper at the top where it enters into the tray, and with the usual union at the lower end, where it connects with the waste pipe, eliminating thereby all putty connections around the joints that are likely to crack at the least vibration.

I further provide the said connection with a straining cup of peculiar construction, to wit:—The cup has a flaring flange at the top, which bears against the interior sides of the connecting cylinder, thus leaving a space all around the cup. At the bottom of the connecting cylinder I provide a spider whose members are sloped from the sides of the connecting cylinder toward the center, so as to center the cup when it is dropped into place; and the members of the spider may be recessed or depressed to receive the end of the cup.

The straining cup has perforated sides, and its bottom may be also perforated, if desired. The perforations in the sides are in the form of slots or kerfs, for the reasons, first, that slots may be narrower than other form of perforations, and thus more perfectly strain out the solids from the liquid passing through. Second, the slots may be cut with a saw, or milling cutter, and thus the strainer may be of cheap stamped metal instead of the more expensive cast metal, as would be necessary with any other form of perforation, as the expense of boring a stamped metal cup would be prohibitive. Third, the straining cup may be fished up with a button hook, a common household implement, which can be inserted into a slot, but could not be inserted into a round or square hole of a size to have the same straining efficiency.

In the drawings:—

Figure 1 is a central sectional elevation showing part of a wash tray, and waste pipe, constructed according to and containing my invention.

Fig. 2 is an elevation, showing the waste pipe connecting cylinder.

Fig. 3 is a perspective elevation of the straining cup.

In the drawings: 1 is the metal bottom of the wash tray, 2 is the cement applied thereto, 3 is the waste pipe and 4 is the waste pipe connecting cylinder, joined to the waste pipe 3 by the usual union 5. 6 are the anchors applied to the cylinder 4, and embedded in the cement 2.

The cylinder 4 is provided with the stopper 7, and has the usual flange 8, to which the anchors 6 may be applied. These anchors may be of T shape, as shown in Fig. 2, for a better hold in the cement. 9 is a packing ring, threaded upon the cylinder 4, and 10 a washer, said parts serving to make a tight joint between the cylinder and the wash tray. 11 is a similar washer applied to the union joint 5.

12 is the straining cup; it is provided with the flaring flange 13, at its top, which has the dual function of acting as a funnel to guide discharged materials into the cup, and serving to space the cup from the sides of the cylinder whereby the sides may be effective for straining purposes. 14 is a spider at the bottom of connecting cylinder 4, resting upon the washer 11, and notched as at 15 for that purpose. The members of the spider are centrally depressed as at 16 to receive the lower end of the cup, and provided with the upward extending inclined portions 17 which guide the cup 12 to its central position, when it is dropped into the cylinder. The sides of the cup are perforated by the narrow slots or kerfs 18, for the purpose of straining out solid matters from the discharged liquid. To cleanse the cup a button hook may be engaged in a slot 18, and the cup lifted out of the cylinder the plug 7 being first removed. When cleaned, the cup may be dropped into place again and will drop onto the spider 14 and ride down the inclines 17 to its proper central position.

Having thus described my invention, and an embodiment of it, in the full, clear and exact terms required by law, and knowing

that it comprises novel, useful and valuable improvements in the art to which it pertains, I here state that I do not wish to be limited to the precise construction and arrangement of the several parts, as herein set forth, as the same may be variously modified by a skilled mechanic without departing from the spirit of the invention.

What I claim and desire to secure by Letters Patent of the United States, is the following, to wit:—

1. A waste pipe connection for wash trays comprising a cylinder having a beveled flange projecting outwardly therefrom and adapted for securing said cylinder to said wash tray, in combination with a straining cup having perforate sides located within said cylinder, a spider integrally formed at the lower part of said cylinder, forming a support for said straining cup, said spider being provided with central depressed portions, to centralize said cup and upward inclined portions to direct said cup into said depressed portions.

2. A waste pipe connection for wash trays comprising a cylinder having an externally threaded shank and a beveled flange projecting outwardly therefrom, said shank and the beveled flange adapted for securing said cylinder to said wash tray, in combination with a straining cup having perforate sides located within said cylinder, provided with means to space said cup from the sides of said cylinder, and to guide discharged materials thereinto, a spider, integrally formed at the lower part of said cylinder, forming a support for said straining cup, said spider being provided with a central depressed portion to centralize said cup and upward inclined portions to direct said cup into said depressed portions.

In testimony that I claim the foregoing I have hereto set my hand in the presence of two witnesses, this 27th day of September, 1915.

LOUIS HEINO.

Witnesses:
CERF ROSENTHALL,
LÉON BOILLOT.