

(No Model.)

C. J. PHILLIPS.

COMBINED PLUG AND FERRULE FOR WASH TRAY CONNECTIONS.

No. 383,982.

Patented June 5, 1888.

Fig. 1.

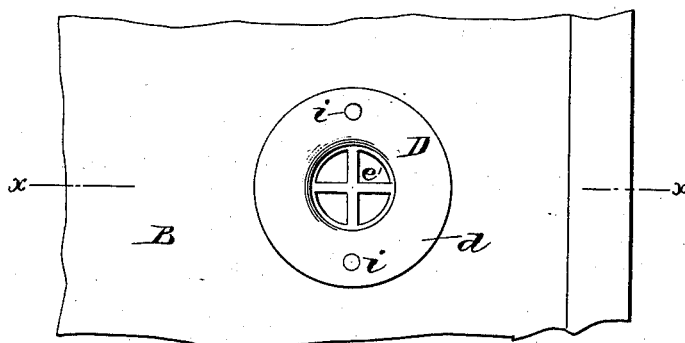
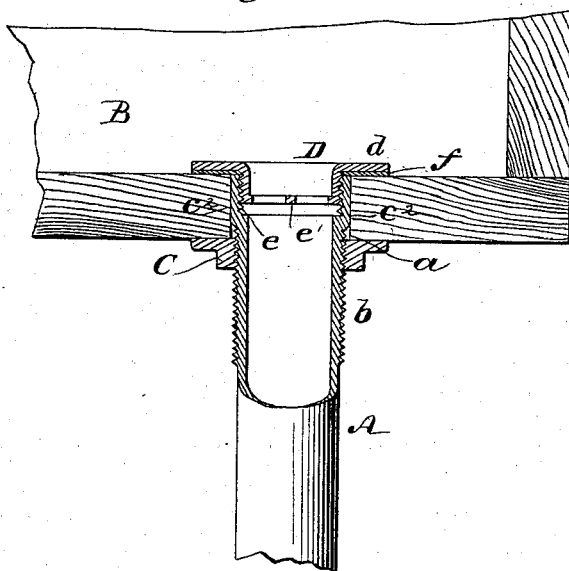


Fig. 2.



WITNESSES:

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COMBINED PLUG AND FERRULE FOR WASH-TRAY CONNECTIONS.

SPECIFICATION forming part of Letters Patent No. 383,982, dated June 5, 1888.

Application filed May 18, 1887. Serial No. 238,611. (No model.)

To all whom it may concern:

Be it known that I, CORNELIUS J. PHILLIPS, of the city, county, and State of New York, have invented a new and Improved Combined Plug and Ferrule for Wash-Tray Connections, of which the following is a full, clear, and exact description.

The object of my invention is to provide such construction of wash-tray and similar connections for connecting the tray with the waste-pipe as to avoid the use of a coupling, and such that any length of connection may be used.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a detailed plan view of a part of a wash-tub or similar receptacle having my invention applied thereto, and Fig. 2 is a broken sectional elevation of the same on the line *x x* of Fig. 1.

A represents the pipe-connection which connects the tray B with a waste-pipe. (Not shown.) This pipe passes directly up through the aperture *a* in the tray B, and is externally screw-threaded below the tray B, as shown at *b*. Upon the screw-threaded portion is placed the jam-nut C, which may be screwed up firmly against the bottom of the tray B. The upper end of the pipe A is internally screw-threaded, as shown at *e*, and in it is screwed the plug-bushing or ferrule D. This is externally screw-threaded to match the internal

screw-threads, *e*, and is formed with the grating *e'* and with the upper flange, *d*, between which and the bottom of the tray the packing *f* is placed, as shown in Fig. 2. In the flange *d* are formed the small holes *i i*, for convenience in inserting and removing the ferrule D from pipe A. The outer surface of the pipe A, where it passes through the bottom of the tray, is plain, as shown at *e'*, and of slightly greater diameter than the lower part of the pipe, to fit and form a close joint with the aperture in the bottom of the tray B.

The ferrule D by this construction is made to serve the double purpose of ferrule and holder for the pipe A in the tray, and it furnishes the resisting-flange for the drawing action upon the pipe A by the jam-nut C, and the pipe A may be made of any length continuous, and no coupling is required.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The pipe A, internally screw-threaded at its upper end, enlarged in diameter at *e'*, and externally screw-threaded at *b*, in combination with the ferrule D, formed with flange *d*, and externally screw-threaded to enter the top of the pipe, and the jam-nut C, placed upon the threads *b*, substantially as shown and described.

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Witnesses:

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