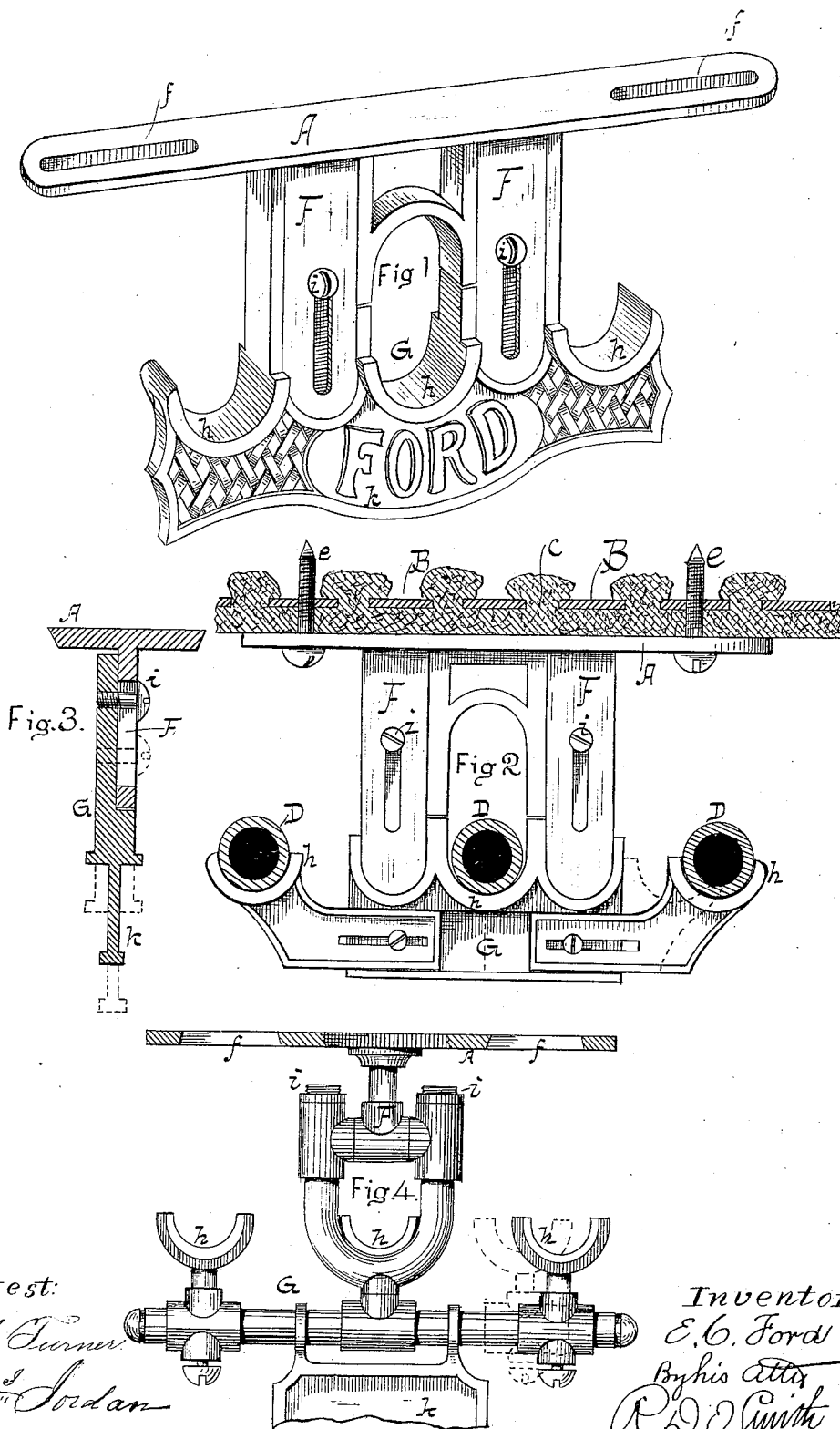


(No Model.)

E. C. FORD.
HANGER FOR PLUMBERS' PIPES.

No. 258,638.

Patented May 30, 1882.



UNITED STATES PATENT OFFICE.

EDWARD C. FORD, OF LAUREL, MARYLAND.

HANGER FOR PLUMBERS' PIPES.

SPECIFICATION forming part of Letters Patent No. 258,638, dated May 30, 1882.

Application filed April 4, 1882. (No model.)

To all whom it may concern:

Be it known that I, EDWARD C. FORD, of Laurel, Prince George's county, Maryland, have invented a new and useful Hanger-Bracket for the Support of Water and Gas Pipes below the Ceiling of an Apartment; and I do hereby declare that the following is a full and exact description of the same.

Until recently it was customary to conceal the water-pipes under the floors or in the walls to the greatest extent possible, and when not concealed they were fastened against the ceiling or wall. The modern practice is to leave such pipes exposed and accessible to the greatest possible extent; and by this invention I propose to provide means for the suspension of such pipes clear of the wall or ceiling, whereby the pipes are not only rendered freely accessible for repairs, but may be easily and thoroughly cleaned, and no longer become resting-places for dust or harbor for vermin.

That others may fully understand my invention, I will more particularly describe it, reference being had to the accompanying drawings, wherein—

Figure 1 is a perspective view of my bracket. Fig. 2 is a side elevation of the same, showing also a lateral adjustment of the exterior hooks. Fig. 3 is a vertical section of the same. Fig. 4 is a side elevation, which merely illustrates the variety of design which may be employed without departing from the invention.

I have been informed that plumbers usually group three pipes, and for that reason I represent a bracket provided with saddles for three pipes. The number can be increased or diminished, however, and the bracket provided with any number desired.

A is a plate which is attached to the wall or ceiling, and a common mode of attachment is shown in Fig. 2, where B B represent the lath, and C the plastering. The position and direction of the pipes D is fixed without reference to the places of attachment for the bracket-screws *e*, and it will often be found necessary to pass these into laths B, there being no joists or studs available. I

therefore provide a plate, A, with two slots, *f* 50 *f*, and the screw *e* may be placed in one part or another of its slot, as may be necessary to reach the center of a lath, and thus obtain a good support.

From the plate A one or more arms, F, descend. I prefer to employ two of said arms, as shown in Figs. 1 and 2. 55

A horizontal part, G, provided with the saddles *h h h*, is also provided with arms corresponding with and fitted to the arms F, so that they may be secured together by adjusting-screws *i i*, or some equivalent device, so that the saddles *h* may be raised or lowered. This is desirable, because in suspending these pipes below the ceiling it is desirable to place the pipes lower at one end than at the other, so as to secure drainage. The vertical adjustment is shown by dotted lines in Fig. 3. 60 65

It will also be necessary sometimes to vary the horizontal distances between the pipes, and therefore a horizontal adjustment will also be useful. This is shown in Figs. 2 and 4, where the outer saddles, *h*, are movable horizontally, so as to place the pipes nearer or farther apart. 70 75

The pendent portions *k* of the part G is simply for ornament and to enable the plumber to place his name, if he desires. This part may be entirely omitted, if preferred.

The structure shown in Fig. 4 may be built up of plumbers' T-couplings, &c., but may be more cheaply and just as efficiently cast solid in imitation of plumbers' work; or such other design may be employed as fancy or convenience may dictate. 80 85

Having described my invention, what I claim as new is—

1. A hanger or bracket for plumbers' use, consisting of a plate, A, with means for attachment to the ceiling, combined with a part, G, and saddles *h*, horizontally adjustable, substantially as set forth. 90

2. A hanger or bracket for plumbers' use, consisting of a part, A, for attachment to the wall, and a part, G, provided with saddles *h*, combined with slots *f* in the part A, whereby the fastening-screws *e* may have a lateral range of location irrespective of the location 95

of the bracket, as and for the purpose set forth.

3. A hanger or bracket for plumbers' use, consisting of a plate, A, provided with means
5 for attachment to the ceiling having a range of lateral location irrespective of the location of the bracket, combined with a part, G, and

saddles *h h*, which are capable of vertical and horizontal adjustment, substantially as set forth.

EDWARD C. FORD.

Witnesses:

R. D. O. SMITH,
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