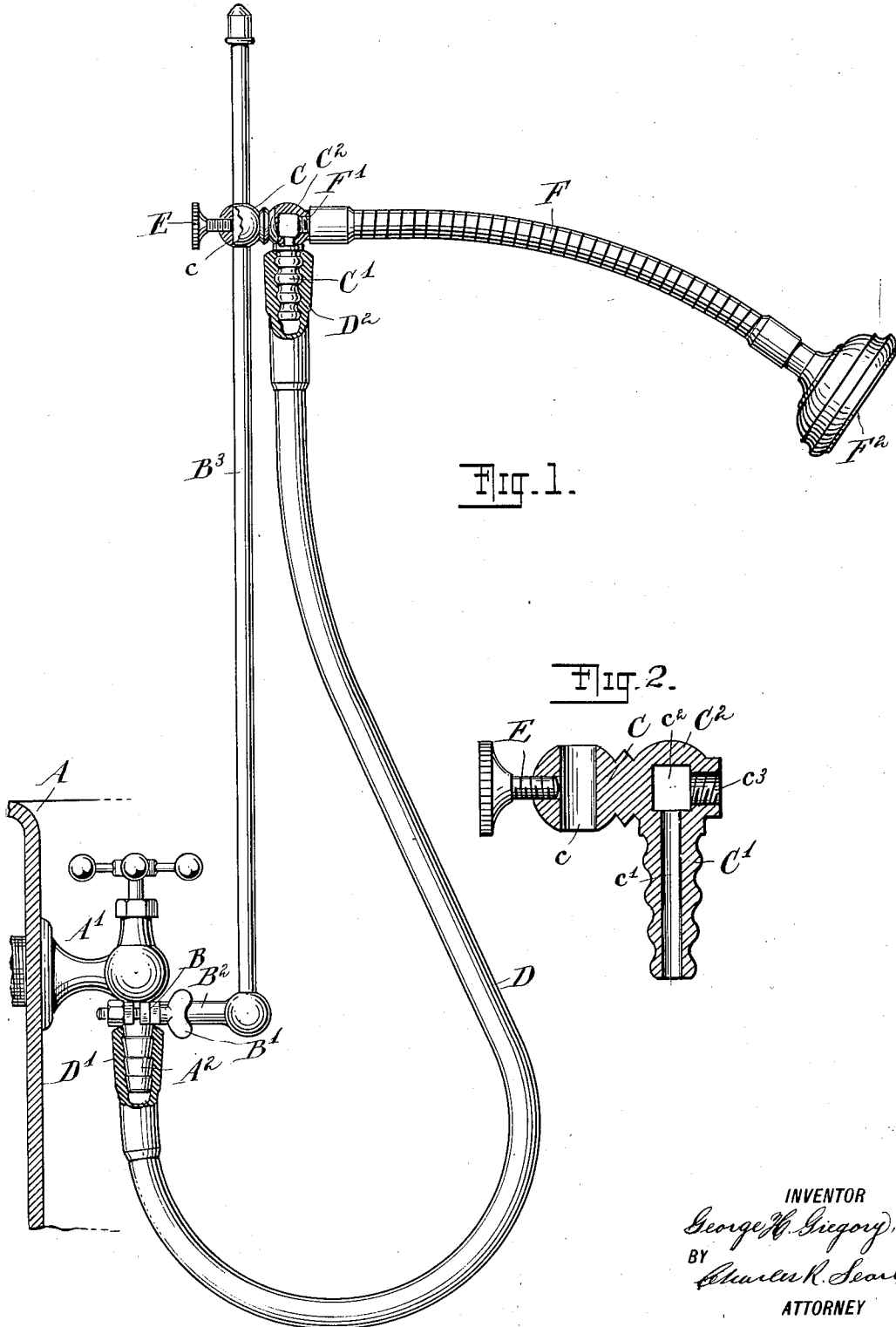


G. H. GREGORY.
ADJUSTABLE SHOWER SPRAY DEVICE.
APPLICATION FILED AUG. 16, 1919.

1,327,428.

Patented Jan. 6, 1920.



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UNITED STATES PATENT OFFICE.

GEORGE H. GREGORY, OF EAST ORANGE, NEW JERSEY.

ADJUSTABLE SHOWER-SPRAY DEVICE.

1,327,428.

Specification of Letters Patent.

Patented Jan. 6, 1920.

Application filed August 16, 1919. Serial No. 317,866.

To all whom it may concern:

Be it known that I, GEORGE H. GREGORY, a citizen of the United States, residing at East Orange, in the county of Essex and State of New Jersey, have invented a certain new and useful Improvement in Adjustable Shower-Spray Devices, of which the following is a specification.

The invention relates to bath sprays, and the object of the invention is to provide a simple, easily operated device which may be readily attached to or detached from a faucet or analogous water supply, with means for adjusting the position of the spray-carrier, and so arranged as to permit the spray to be delivered in any direction.

The invention consists in certain novel features and details of construction and arrangement by which the above objects are attained, to be hereinafter described and claimed.

The accompanying drawings form a part of this specification and show preferred forms of the invention as it has been carried out in practice.

Figure 1 is a side elevation of the device attached to a faucet connection and showing the carrier arranged for vertical adjustment in a bathtub, certain portions being shown in vertical section.

Fig. 2 is a vertical section on an enlarged scale, showing the spray-carrier alone.

Similar letters of reference indicate the same parts in both the figures.

Referring to Fig. 1, A is a bathtub and A¹ a faucet connection thereon which may be as usual, equipped with a downwardly projecting nozzle A² adapted to receive detachably the lower coupling head D¹ of a flexible hose D.

B is a clamp adapted to engage the faucet connection A¹ and held in such engagement by thumbscrews B¹. It has an outwardly extending short horizontal arm B² from which extends a vertical cylindrical rod or bar B³ of any desired length serving as a standard.

The spray-carrier C is provided with an opening *c* matching to and receiving the rod B³ on which the carrier slides, and has a setscrew E by which it may be moved vertically on the rod, see Fig. 2, and also partially rotated thereon to adjust the carrier at any height and horizontal angle.

On the carrier is a depending nozzle C¹ adapted to receive detachably the upper

coupling head D² of the hose D, and the passage *c*¹ through the nozzle C¹ connects with a chamber *c*² in a branch C² of the carrier, having a horizontally disposed screw-threaded opening *c*³ arranged to receive a corresponding coupling F¹ on a flexible metal tube F carrying at its outer end a suitable spray-head shown as a rose nozzle F².

Water from the faucet nozzle A² flows through the hose D to the carrier and is delivered through the tube F and rose nozzle F².

The flexible metal tube F is of the well-known armored type, and in short lengths, as shown in the drawings, is sufficiently stiff to hold any position in which it may be placed, thus offering a simple and efficient means for permitting the stream or spray from the nozzle F² to be directed as desired, and the carrier C affords vertical adjustment as above described so that the direction of the spray may be varied to suit the requirements of the bather and also be confined within the area of the bathtub.

The device is readily detached by simply uncoupling the hose D from the faucet nozzle A² and slackening the thumbscrews B¹ to free the clamp B from the faucet connection.

I claim:—

1. In a spraying device of the character set forth, a rod, a clamp thereon adapted to engage a faucet connection and hold said rod vertically, a carrier on said rod having inlet and outlet openings, a hose leading from said faucet connection to said inlet opening, a flexible metal tube connected to such outlet opening, and a delivery nozzle on said tube.

2. In a spraying device of the character set forth, a rod, a clamp thereon adapted to engage detachably the faucet connection of a bathtub and hold said rod vertically, a carrier slidably mounted on said rod and having inlet and outlet openings, means for adjusting said carrier on said rod, a hose detachably connected to such inlet opening and to said faucet connection, a flexible metal tube joined to such outlet opening, and a delivery nozzle on said tube.

3. In a device of the character set forth, a rod, means for detachably securing said rod to a faucet connection, a carrier on said rod, a flexible metal tube connected to said carrier and constructed to maintain itself

in any desired position, and means for delivering water from said faucet connection to said carrier and tube.

4. In a device of the character set forth,
5 a rod, a clamp thereon adapted to engage detachably the faucet connection of a bathtub and hold said rod vertically, a carrier having inlet and outlet openings and slidably mounted on said rod, a setscrew for
10 holding said carrier in adjustment on said

rod, a hose detachably connected to said faucet connection and to such inlet opening, a flexible metal tube connected to such outlet opening and constructed to maintain itself in any desired position, and a delivery 15 nozzle on said tube.

In testimony that I claim the invention above set forth I affix my signature.

GEORGE H. GREGORY.