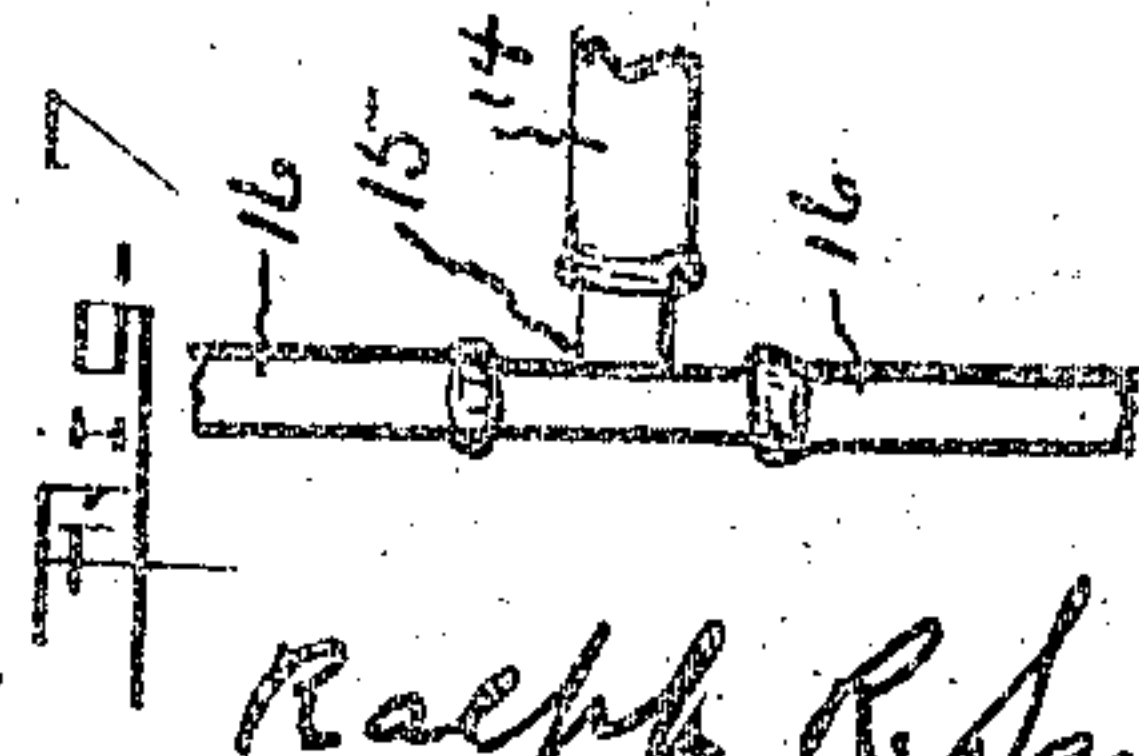
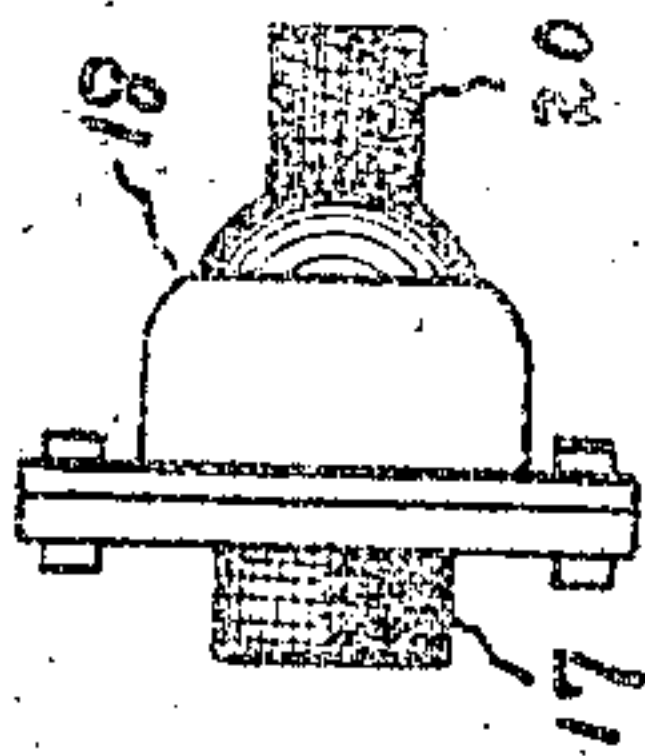
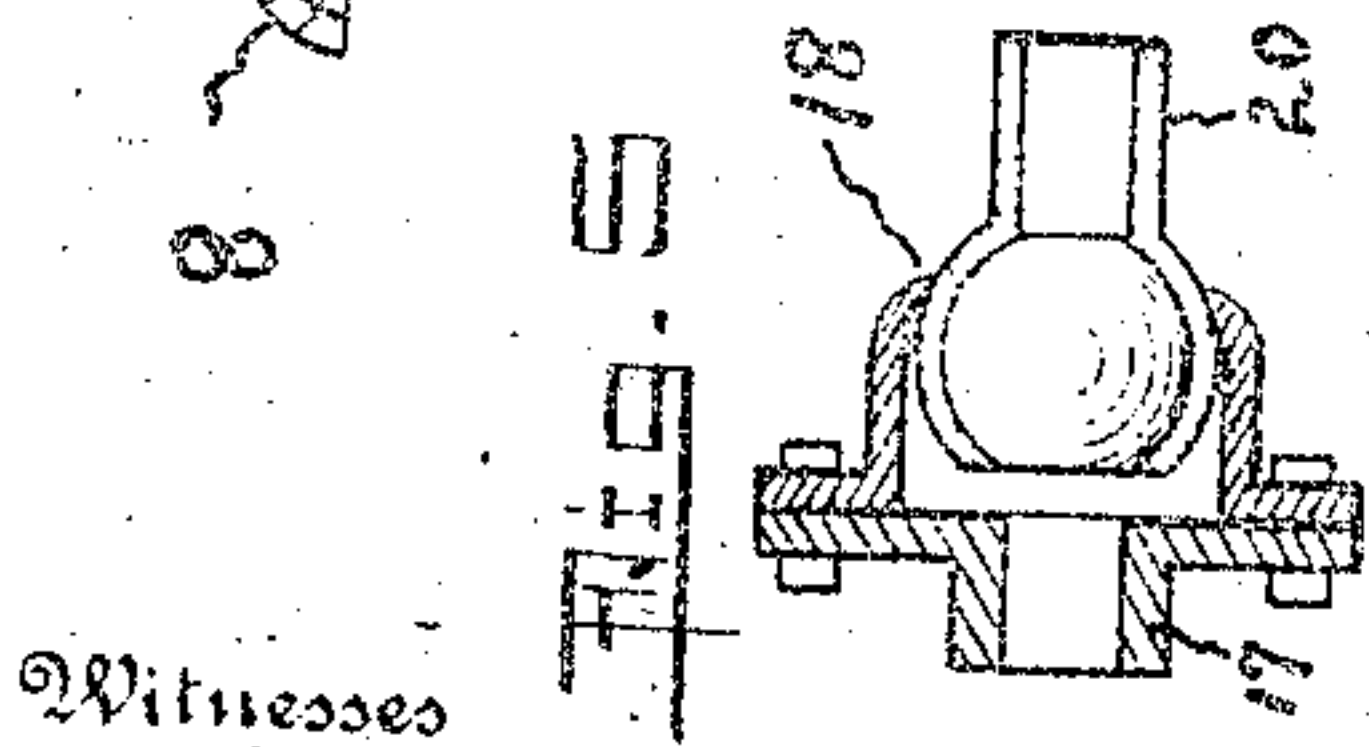
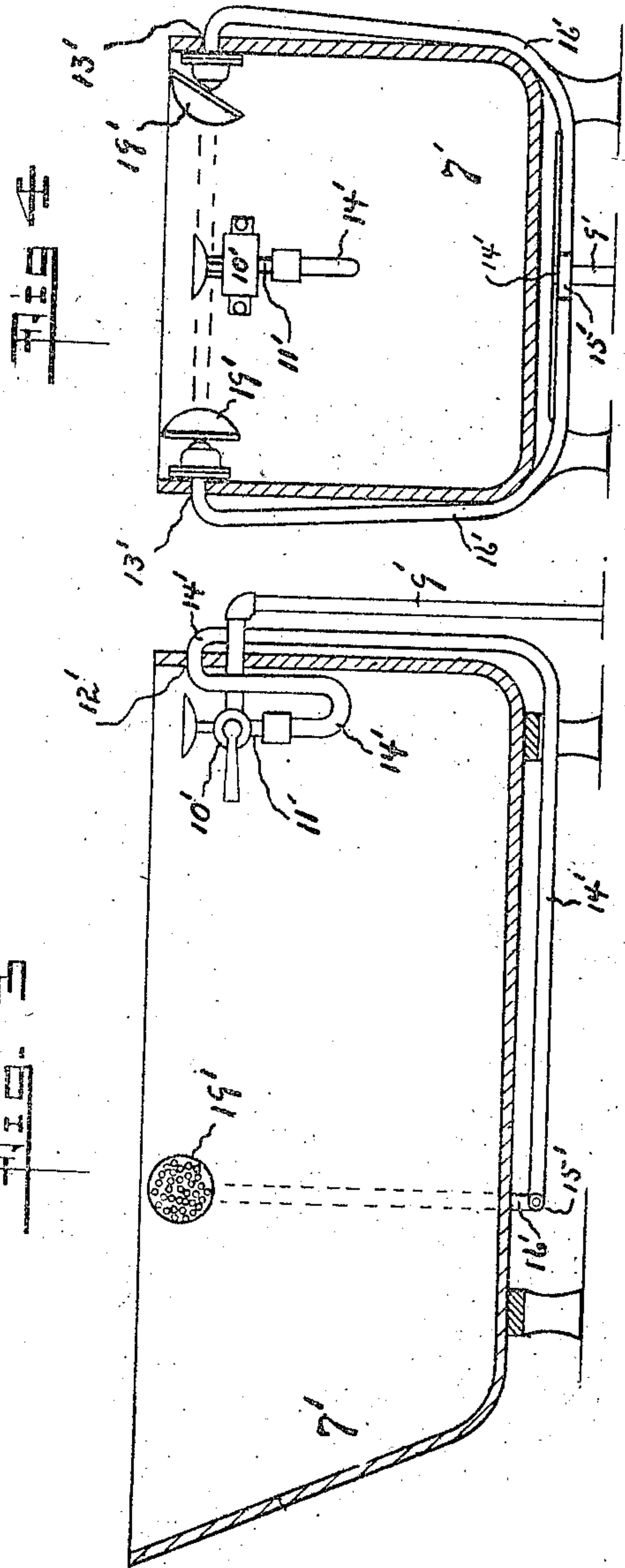
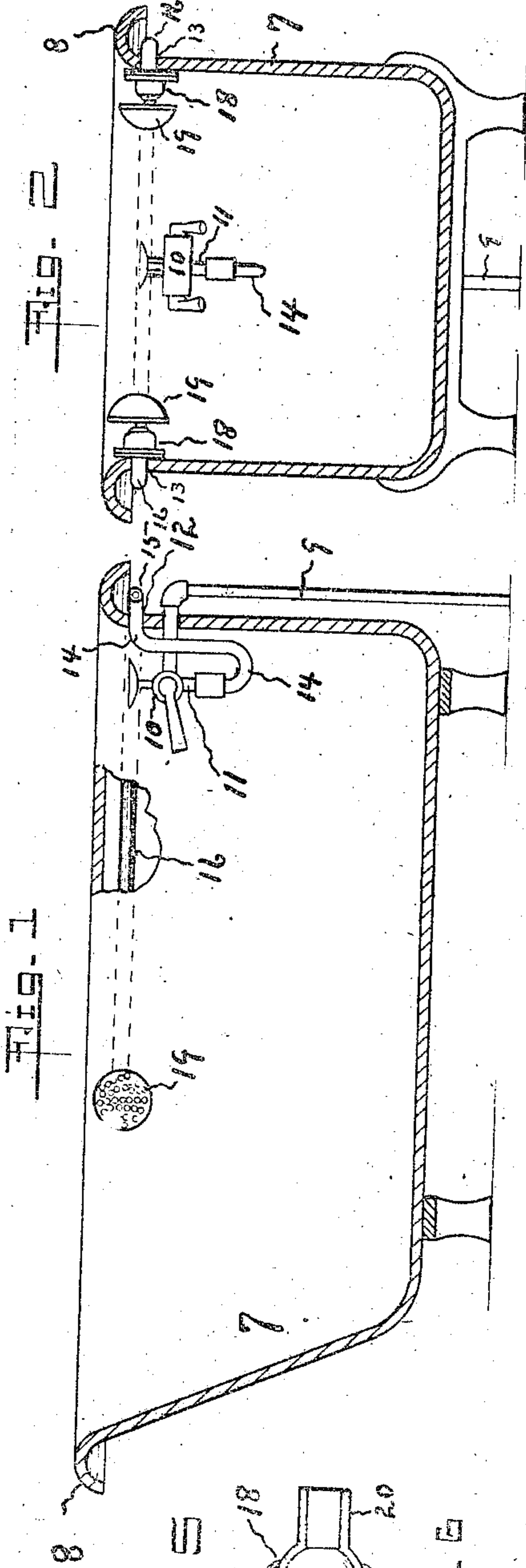


R. R. SANDHAM.
 SPRAYING ATTACHMENT FOR BATH TUBS.
 APPLICATION FILED JULY 8, 1909.

963,945.

Patented July 12, 1910.



Witnesses

Arthur Sturges,
 Geo. E. Clark.

By

Inventor
 Ralph R. Sandham
 Neirum A. Sturges -
 Attorney

UNITED STATES PATENT OFFICE.

RALPH R. SANDHAM, OF HARLAN, IOWA.

SPRAYING ATTACHMENT FOR BATH-TUBS.

963,945.

Specification of Letters Patent.

Patented July 12, 1910.

Application filed July 8, 1908. Serial No. 506,492.

To all whom it may concern:

Be it known that I, RALPH R. SANDHAM, a citizen of the United States, residing at Harlan, in the county of Shelby and State of Iowa, have invented certain new and useful Improvements in Spraying Attachments for Bath-Tubs, of which the following is a specification.

This invention relates to spraying attachments for bath tubs, and has for its object to provide a convenient spraying means for use of a person when bathing, and also convenient for rinsing or cleaning the tub, said means to be effective for the purpose and to comprise few parts so that construction may be economical in manufacture.

The invention has reference to an attachment which may be manufactured in connection with the tub, or may at any time be mounted upon the tub; and to be used in connection with tubs having either curved or flat rims, said attachment being adapted to throw sprays of water in any desired direction under control of an operator or of a person while bathing, the rose or spraying disk being supported by the wall of the tub, thereby leaving the hands free. Also the invention includes novel means for conveying a water supply from the nozzle of the supply pipe to the spraying disks.

With these and other objects in view, the invention consists of the novel combination and arrangement of parts as described herein, pointed out by the appended claim, and as illustrated in the drawing, it being understood that changes in form, size, proportion and minor details may be made within the scope of the claim, without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawing Figure 1 is a partly broken away view of a bath tub having a curved rim, the view being in longitudinal section and showing a spraying attachment embodying my invention. Fig. 2 is a transverse, sectional view of the tub shown in Fig. 1, with spraying attachments mounted thereon. Fig. 3 is a view of my newly invented bath tub attachment mounted upon a tub having a flat terminal wall, the tub being in longitudinal section. Fig. 4 is a transverse sectional view of the tub shown in Fig. 3 with the spraying attachment thereon. Figs. 5 and 6 are views of the flexible ball joint employed, Fig. 5 showing the same in section. Fig. 7 is a detail view

relating to the mounting or connection of the pipes.

Referring now to the drawing for a more particular description, numeral 7 indicates 60 a bath tub having an outwardly curved rim 8; the supply pipe for the tub is indicated at 9 and water is under control of valve 10, the usual nozzle being indicated at 11. Adjacent rim 8 and at the end of the tub near 65 the supply pipe I provide in the tub wall, an aperture 12, and in the sides of the tub, adjacent the rim, I provide apertures 13. These openings, of course, may be made at the time the tub is manufactured or by use 70 of a drill, may be formed at any time thereafter. I provide a main connecting-pipe 14 adapted to have a seating in aperture 12, one of its ends connecting with nozzle 11, the other end being mounted upon the T 75 pipe union, beneath rim 8, and indicated at 15. I provide secondary connecting-pipes or distributing pipes 16, one end of each of these pipes being mounted upon the T pipe union, their opposite ends being mounted 80 upon the base-rim or flange 17 of a socket member or universal ball joint 18, after traversing apertures 13. The main and secondary pipes, preferably, are of rubber hose or other flexible material; but may be of 85 metallic construction, and, as will be noted, the pipes thus described are not obtrusive since they are disposed beneath the curved rim of the tub. I provide spraying disks 19 which are mounted upon stems 20 of uni- 90 versal ball joints 18.

The device thus described consists of few parts, is comparatively inexpensive, and provides a convenient and complete spraying attachment. Disks 19 are operatively sup- 95 ported upon the wall of the tub, and as will be noted from the construction, by swinging the disks upon their seatings, water may be thrown in any desired direction, and upon any part of the wall of the tub, for cleansing 100 or bathing purposes.

Numeral 7' in Figs. 3 and 4 indicates a bath tub similar to the one already described, except it has no curved rim. The supply pipe, valve and nozzle are indicated 105 respectively at 9', 10' and 11'. Apertures 12' and 13' are provided in the wall of the tub similar to those above mentioned. Since the tub has no curved rim the main connecting pipe 14' is disposed beneath the 110 bottom of the tub, after traversing aperture 12', formed in and near the upper part of

the tub wall; and secondary conducting pipes 16' may be extended vertically from disks 19' at opposite sides of the tub to mountings at their lower ends upon the T pipe union 15'. In the use of the device upon tubs of this class, it will be noted that no part of the tub rim is obstructed by the parts comprising the spraying attachment; the main connection pipe 14' is not obtrusive, and pipes 16, occupy but a limited, vertical space upon the sides of the tub.

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

15 The combination with a bath tub, of a centrally disposed water supply pipe lead-

ing through the head end of said tub, branch pipes extending in opposite directions from said centrally disposed pipe and passing through the opposite sides of the bath tub 20 near the top thereof, ball and socket joints to which said pipes are connected, and spray heads connected to said ball and socket joints, said ball and socket joints and said spray heads being supported by the walls of 25 the bath tub and said branch pipes.

In testimony whereof I have affixed my signature in presence of two witnesses.

RALPH R. SANDHAM.

Witnesses:

HIRAM A. STURGES,
GEO. HENDERSON.