R. R. SANDHAM.

SPRAYING ATTACHMENT FOR BATH TUBS.

APPLICATION FILED FEB. 5, 1910.

963,812.

Patented July 12, 1910.

2 SHEETS—SHEET 1.

FIG. 1.

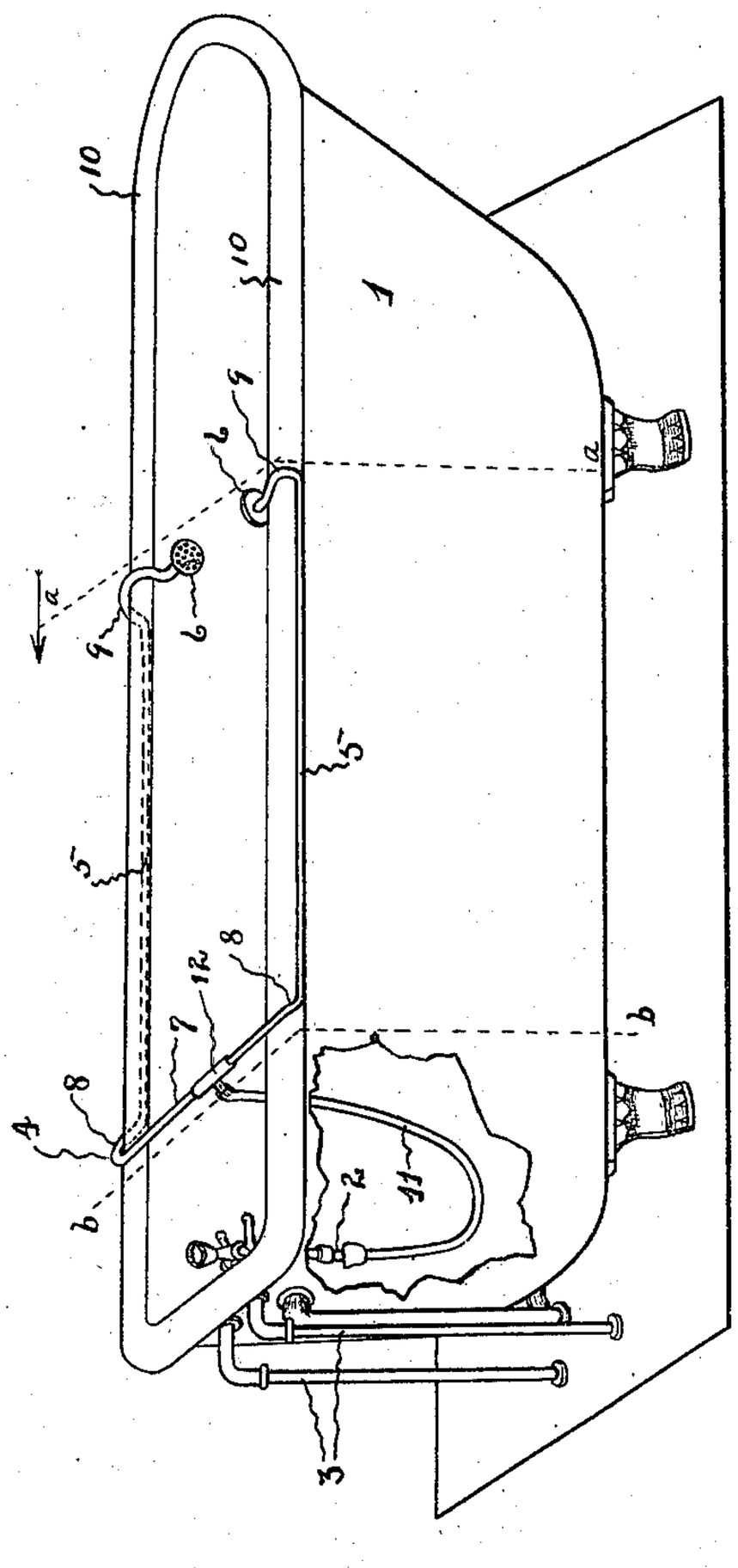
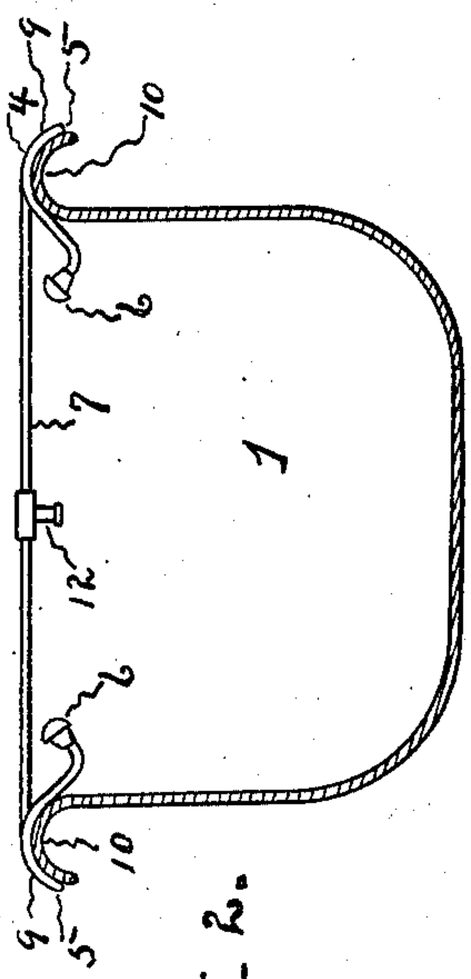


FIG. 2.



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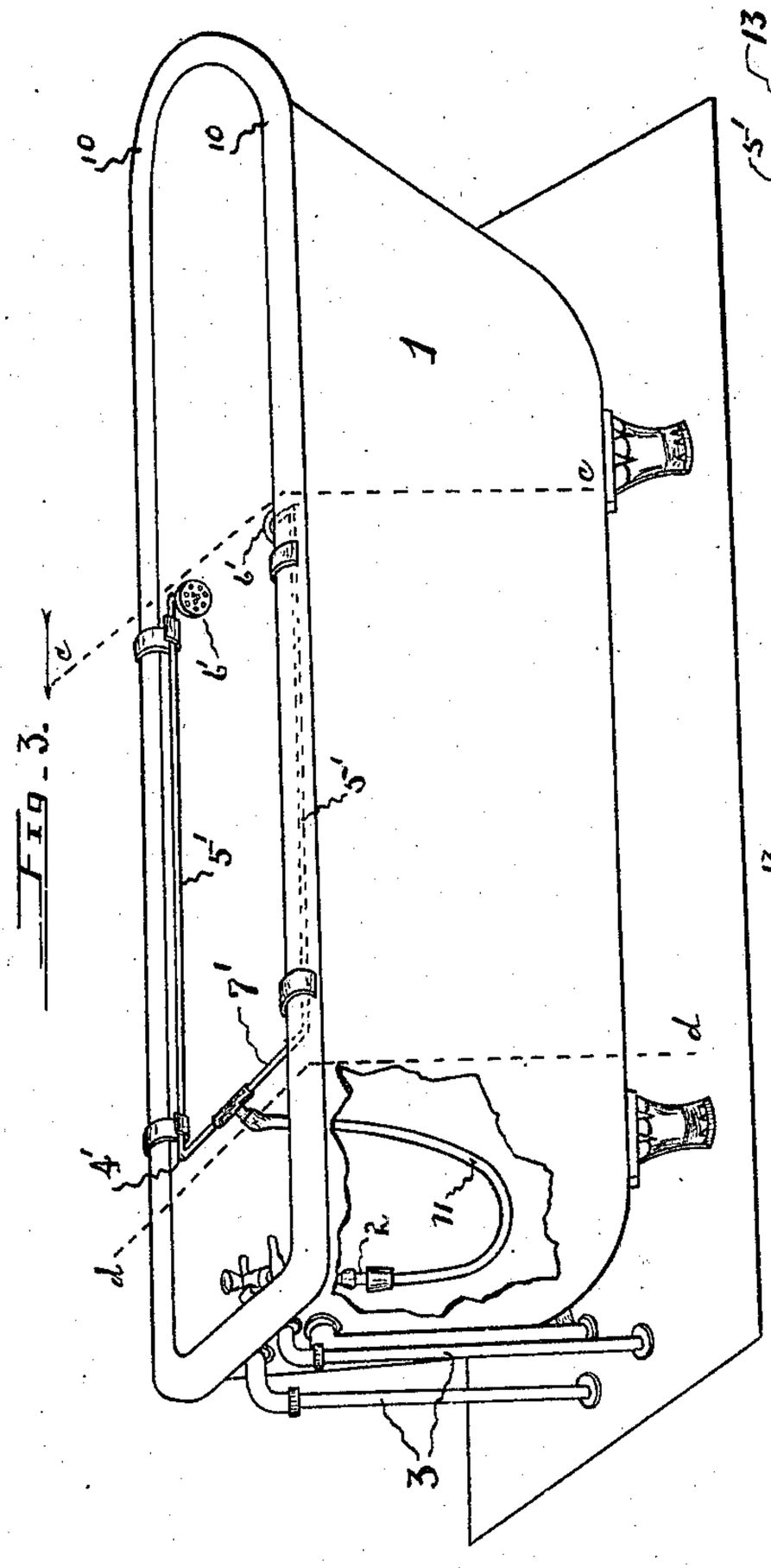

Fig. 3.

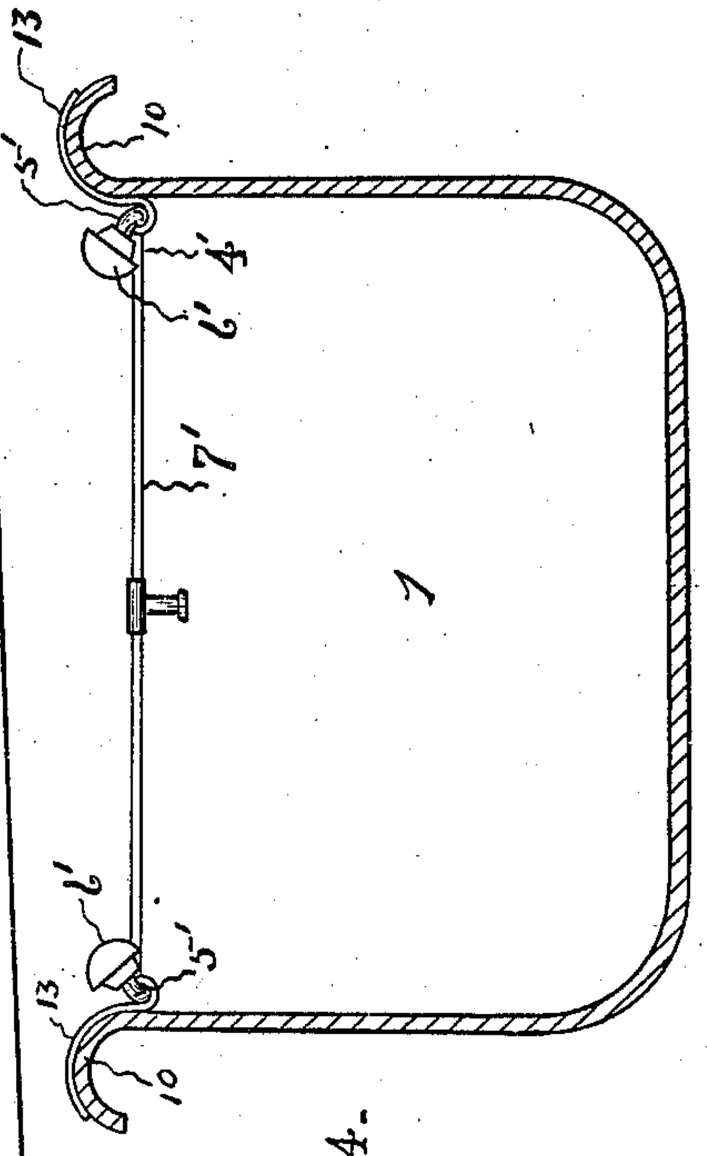

Fig. 4.

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UNITED STATES PATENT OFFICE.

RALPH R. SANDHAM, OF HARLAN, IOWA.

SPRAYING ATTACHMENT FOR BATH-TUBS.

963,812. Specification of Letters Patent. **Patented July 12, 1910.**

Application filed February 5, 1910. Serial No. 542,250.

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 an improved spraying attachment for bath tubs, and has for its object, broadly, to provide a portable attachment of simple construction which will be convenient and reliable in use for spraying the person of the bather, and may be readily attached to or detached from the tub.

The invention consists of a rigid, tubular, bow-shaped frame having a detachable connection with the water supply pipe, the two free ends or terminals of the frame being provided with spraying devices, said frame being supported by the rim and at opposite sides of the tub; the device to be of such form that, while it may be readily removed from the tub when desired, it will not be subject to accidental displacement when in use.

Another object is to provide a spraying attachment of this class which may have a slidable movement longitudinally of the tub, the construction being such that the roses or spraying-disks will be maintained at a fixed or predetermined pitch, so that a swinging movement, transversely of the tub, of the disks will be prevented.

With these objects in view the invention consists of the novel combination, construction and arrangement of parts as described herein and claimed, 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 claims, without departing from the spirit of the invention, or sacrificing any of its advantages.

In the accompanying drawing, Figure 1 is a perspective view of a bath tub with a spraying attachment embodying my invention, the tub being partly broken away. Fig. 2 is a sectional view between lines *a a* and *b b* of Fig. 1. Fig. 3 is a partly broken away, perspective view of a bath tub with a spraying attachment mounted thereon, the same being a modified form of my invention. Fig. 4 is a sectional view between lines *c c* and *d d* of Fig. 3.

Referring now to the drawing for a more particular description, numeral 1 indicates a bath tub having the usual supply pipe or nozzle 2 communicating with pipes 3, the latter communicating with any exterior source of supply.

I provide the rigid, tubular frame 4 comprising a pair of longitudinal conducting members 5 each having upon its free end a spraying member or perforated disk 6 secured thereon, and a transverse conducting member 7 communicating with members 5. The frame is adapted to have a seating upon the rim of the tub, and while thus supported may have a slidable movement longitudinally thereof, so that spraying may be effected at longitudinal intervals of the tub, and since the parts of the frame thus mentioned are rigid, the spraying disks will be reliably maintained in a fixed position with respect to their pitch or inclination, and a swinging movement of said disks, transversely of the tub, will be prevented.

It will be seen by referring to Figs. 1 and 2, that the frame is accessible or within reach by a party who may be within or near the tub, so that it may have the sliding movement referred to, and this is obviously a desired feature. Also, as illustrated in Figs. 1 and 2, since members 5 are curved at 8 and 9, near their ends to conform substantially to the curvature in cross section of the rim 10 above the respective sides of the tub, and since longitudinal members 5 are connected by transverse member 7, the frame will not be subject to accidental displacement, from the rim of the tub.

At 11 is indicated a tubular conducting member or hose, its respective terminals adapted to have mountings upon the supply pipe or nozzle 2 and the T-union 12 of the transverse pipe, and since said member 11 is flexible, frame 4 may have the sliding movement mentioned.

The bath tub attachment thus described consists of few parts and therefore is quite inexpensive in manufacture; and in addition to the desired features mentioned, it may be readily placed in operative position, or may be entirely removed from the tub.

In Figs. 3 and 4 are shown a bath tub and its water supply pipes, these being substantially the same as already described. It will be noted however, that while the tubular frame 4′ is rigid and consists of the longitudinal conducting members 5′ having the terminal spraying members 6′, and is pro-

vided with the transverse conducting member 7′ connected with the water supply-pipe 2 by the flexible pipe 11′, pipes or members 5′ are disposed inwardly of the sides of the tub, and are supported by straps or hangers 13, the latter being seated slidably upon the rim and at opposite sides of the tub.

The modification just described is believed to be within the scope of the invention since the function of all of the parts remain the same; the frame is rigid and slidable and the spraying disks are prevented from having swinging movements transversely of the tub, the frame being supported by the rim. While the structure just described is substantially the same as illustrated in Figs. 1 and 2, it is somewhat less expensive since certain curvatures are avoided and the frame has a less width.

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

1. In a spraying attachment for bath tubs, the combination with the supply pipe, of a rigid, tubular frame comprising a pair of longitudinal conducting members each provided with a terminal spraying member and a transverse conducting member communicating with said longitudinal conducting members, said frame adapted to have an endwise slidable movement while disposed longitudinally of and supported by the rim of the tub; and a flexible, tubular member communicating with said tubular frame and said supply pipe.

2. A spraying attachment for bath tubs, comprising, in combination with the supply pipe, a rigid, tubular, bow-shaped frame with spraying members rigidly secured thereon, said frame adapted to have a slidable movement longitudinally of and while supported by the rim at opposite sides of the tub; and a flexible, tubular member communicating with said tubular frame and with said supply pipe.

3. A spraying attachment for bath tubs, comprising, in combination with the supply pipe, a rigid, tubular frame consisting of a pair of longitudinal conducting members each provided with a terminal spraying member rigidly secured thereon and a transverse conducting member communicating with said longitudinal conducting members, said frame adapted to have a movement longitudinally of and while supported by the rim of the tub; and a flexible, tubular member communicating with the transverse conducting member of said frame and said supply pipe.

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

RALPH R. SANDHAM.

Witnesses:
L. M. KERR,
W. C. SMITH.