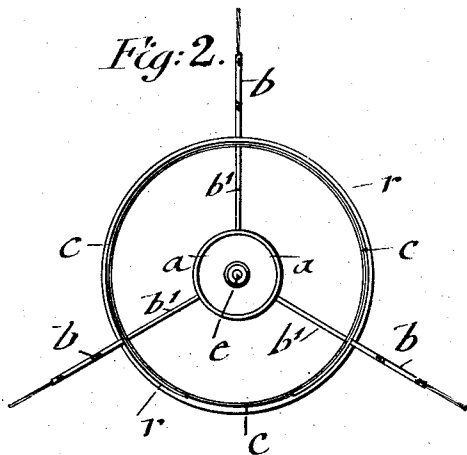
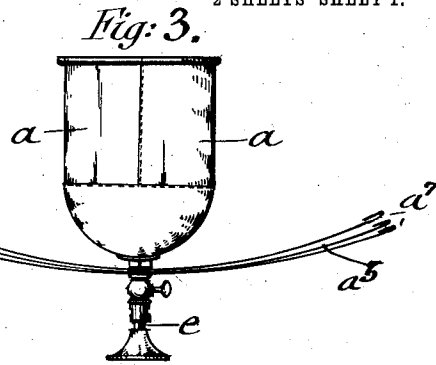
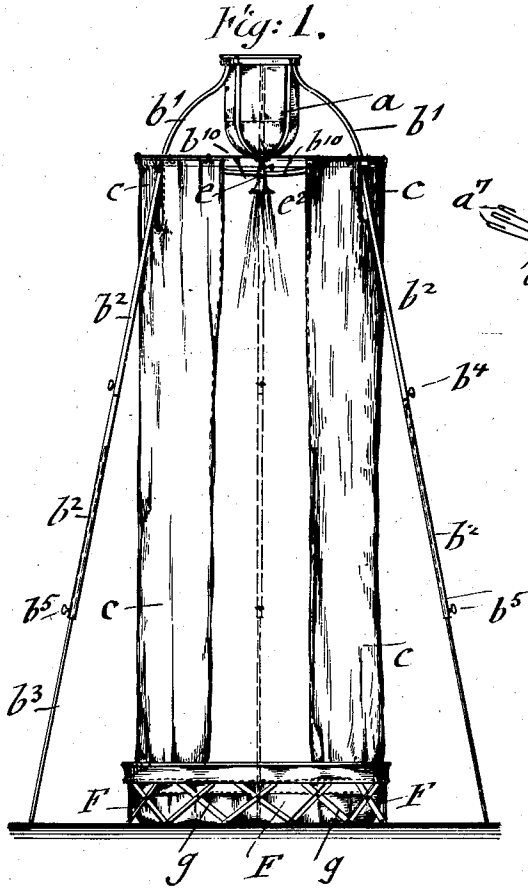


M. HERSCOVITZ.
 PORTABLE SHOWER BATH APPARATUS.
 APPLICATION FILED APR. 17, 1912.

1,049,714.

Patented Jan. 7, 1913.

2 SHEETS—SHEET 1.



Witnesses:
 John Murtagh
 L. M. Dorman

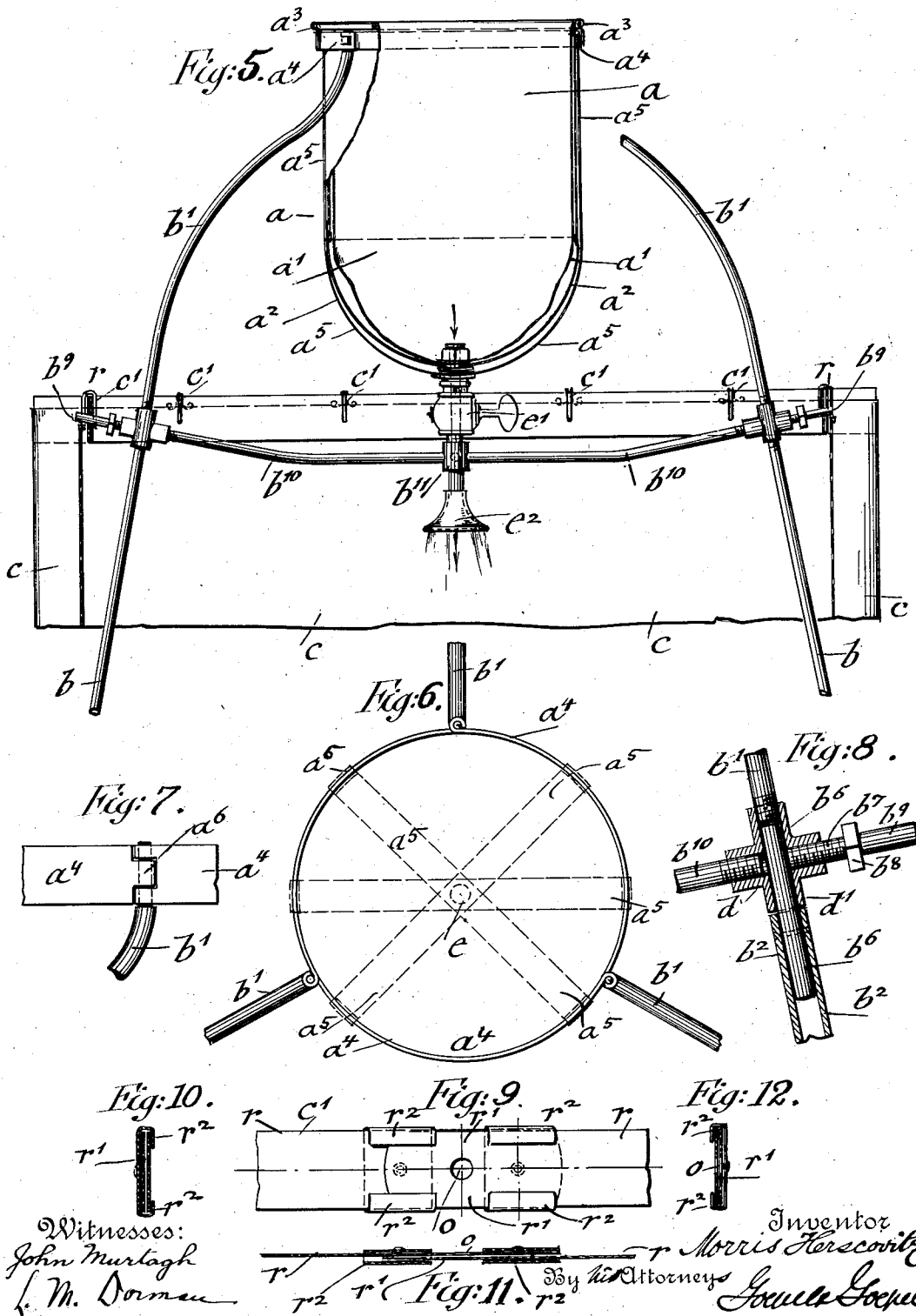
Inventor
 Morris Herscovitz
 By his Attorneys
 J. J. L. Coyle

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UNITED STATES PATENT OFFICE.

MORRIS HERSCOVITZ, OF NEW YORK, N. Y.

PORTABLE SHOWER-BATH APPARATUS.

1,049,714.

Specification of Letters Patent.

Patented Jan. 7, 1913.

Application filed April 17, 1912. Serial No. 691,388.

To all whom it may concern:

Be it known that I, MORRIS HERSCOVITZ, a citizen of the United States of America, residing in New York, in the borough of Manhattan, county and State of New York, have invented certain new and useful Improvements in Portable Shower-Bath Apparatus, of which the following is a specification.

This invention relates to an improved portable shower-bath apparatus which can be readily folded up into a compact shape and carried along for use in the country, in camping and wherever bathing facilities are not handy within reach; and for this purpose the invention consists of a portable shower-bath apparatus, which comprises a collapsible water-tank provided with an outlet-cock and rose at its lower end, telescoping supporting-rods for the tank, a curtain-supporting ring-frame below the tank, and a cylindrical foldable curtain suspended from said ring.

The invention consists further of the special construction of the collapsible water-supply tank supported at the upper ends of the supporting stay-rods of the shower-bath, as will be fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1 represents a side elevation of my improved portable shower-bath apparatus. Fig. 2 is a plan-view of the same. Fig. 3 is a detail side-view of the water-tank shown as detached from the supporting rods. Fig. 4 represents a side elevation of the shower-bath as folded up for transportation. Fig. 5 represents a vertical central section of the water-tank and the upper portion of the bath shown assembled for use. Fig. 6 is a detail plan-view of the ring-shaped supporting-frame for the water-tank. Fig. 7 is a detail side-view of one of the joints of the collapsible tank supporting-ring. Fig. 8 is a detail section of the cross-shaped coupling connecting the sections of the supporting-rods with each other and with the curtain supporting-ring; and Figs. 9, 10, 11 and 12 represent details of the construction of the joints of the collapsible curtain-supporting ring and their connection with the supporting rods.

Similar letters of reference indicate corresponding parts throughout the several figures of the drawings.

My improved portable shower-bath apparatus consists of the following main parts: a collapsible water-tank, three telescoping supporting rods for the same, a curtain supporting-ring located at the upper ends of the supporting-rods, and a curtain suspended from said ring.

The collapsible water-tank *a* is preferably made of two cup-shaped sections, an inner section *a'* which is made of seamless pliable waterproof material, and an exterior section or layer *a''* of the same material, which are united at the upper ends by means of a rim *a'''* that is reinforced by means of a cord-inlay and supported on a jointed ring *a''''* which encircles the upper end of the water-tank *a* and which is supported on the curved upper portions *b'* of the supporting-rods *b* of the bath.

The walls of the water-tank *a* are supported by exterior metallic straps *a''''* of flat sheet-metal which extend longitudinally over the tank, and which are connected at their lower ends with the discharge-pipe *c* of the tank. The straps *a''''* are held in position above the stop-cock of the discharge-pipe, and bent at their upper ends into hooks *a''''''* which are lapped over the ring *a'''*, as shown clearly in Fig. 8. The straps *a''''* when detached from the tank, assume a nearly flat shape, as shown on Fig. 3, so that on unscrewing the discharge-pipe they can be removed from the same and folded up with the other detachable parts of the entire apparatus for shipment.

The ring *a''''* is made of three parts, which are united by hinge joints *a''''''* with the upper ends of the upper rods *b'*, as shown in Fig. 7. Each supporting-rod *b* is made of a middle tubular section *b''* and a lower extensible section *b'''*, which latter is made to telescope into the tubular section *b''* and secured both in an extended or telescopic position by means of set-screws *b''''*, *b''''''*, as shown in Fig. 1. Into the upper ends of the middle tubular sections *b''* of the supporting-rods *b* are inserted short connecting-pieces *b''''* which are clamped into the nipples at the lower ends of cross-shaped couplings *d* and retained in the same by fixed clamping-screws *b''''''* which are threaded at their inner ends and provided with square heads *b''''''''* and smooth outer ends or pins *b''''''''''* as shown in Fig. 11, said

cross-shaped couplings d serving also for making connection with the threaded ends of the curved upper sections b' of the supporting-rods and with radial strengthening-rods b^{10} which are screwed by their outer threaded ends into the inner nipples of the couplings, and by their inner threaded ends into a sleeve-shaped collar b^{11} on the discharge pipe e of the tank a , the outlet pipe e is provided with a stop-cock e' and a discharge-rose e^2 , which latter is located below the sleeve-shaped collar b^{11} of the radial strengthening-rods b^{10} .

The outer smooth ends or pins b^9 of the couplings d are passed through holes o of a curtain supporting-ring r which is made of several sections that are connected at their overlapping ends r' by means of bent-over keepers r^2 which are riveted to one end of overlapping sections so as to permit their detachment from each other and their convenient slipping into the keepers until the openings o in the same register with each other so that the ring can be placed easily over the smooth ends or pins b^9 of the couplings d .

The curtain c is made of cylindrical shape and of a somewhat greater circumference than its supporting ring so as to overlap at its ends. It is provided at its upper end with suspension-hooks c' which are placed over the supporting ring, as shown in Fig. 8. The curtain c is made of suitable flexible waterproof fabric, such as thin oiled or rubber cloth, or other fabric. It is of sufficient height so that a person of average height is fully covered when standing upright under the water-supplying rose of the water-tank. The lower end of the curtain c is surrounded by a collapsible water collecting-pan F which is supported by a lazy-tong frame g which can be folded together into small cylindrical shape for packing and shipment.

When the portable shower-bath is required for use the water-tank is first expanded and placed in position on the discharge-pipe, the curtain connected with the supporting-ring, and the upper sections of the supporting-rods screwed into the upper nipples of the couplings d and the radial strengthening rods into the inner nipples and the upper tubular sections of the supported rods slipped over the coupling-pins of the couplings. The lower extensible sections of the supporting rods are then extended to their full length and clamped in position by the set-screws b^5 . The curtain is then suspended by its hooks from the supporting-ring and its lower end inserted into the collecting-pan which has been extended to its full height and placed in position on the ring-shaped lazy-tong frame. The tank is then filled and the shower-bath apparatus is ready for use. The person using the bath

then steps into the water-collecting pan, closes the curtain and opens the stop-cock of the water-tank so that the water is discharged in a shower.

The shower bath is prepared for transportation and shipment by telescoping the extensible sections of the supporting rods into the tubular portions, disconnecting the latter from the connecting-pins of the couplings, detaching the tank from its curved supporting sections and the latter from the nipples of the couplings, unscrewing the couplings from the radial strengthening-rods, detaching them from the collar on the discharging tube, removing the upper end of the curtain from the supporting ring, disconnecting the parts of the supporting ring, collapsing the collecting-pan, folding the supporting lazy-tong frame into cylindrical shape after placing all the supporting rods, ring sections, etc., in a bundle, into the same, and then rolling all the parts with the collapsed tank into the folded up curtain and tying the entire package by suitable fastening-straps near its ends, as shown in Fig. 7. The entire outfit may be carried in a folded-up condition by means of a strap-handle and be taken along in the summer months to the country, or into camp, and put together for use whenever required.

I claim:

1. In a portable shower-bath apparatus, the combination of telescoping stay-rods, extension-rods at the upper ends of the same, a collapsible water-tank supported on said stay-rods, said tank being provided with a discharge-pipe, a ring-shaped frame supported by said stay-rods, and a curtain suspended from said frame.

2. In a portable shower-bath apparatus, the combination of extensible and telescoping stay-rods, cross-shaped couplings at the upper ends of the same, curved extension-rods connected with said couplings, a collapsible water-tank supported by said extension-rods, and provided with a discharge-pipe, a ring-shaped frame supported on said couplings, and a curtain suspended from said frame.

3. In a portable shower-bath apparatus, the combination, with supporting telescoping stay-rods having extension-rods at their upper ends, a water-tank supported by said extension-rods and provided with a discharge-pipe, said water-tank comprising a collapsible body, exterior strengthening bands extending from the discharge-pipe to the rim of the tank, and a retaining-ring for the upper ends of said bands, and radial brace-rods extending from the discharge-pipe of the tank to the upper ends of the stay-rods.

4. In a portable shower-bath apparatus, the combination, with inclined telescoping and extensible stay-rods, of a water-tank,

extension-rods for supporting the same, cou-
plings between the stay-rods and extension-
rods, a curtain-supporting ring-frame sup-
ported on said couplings and formed of de-
5 tachable sections and keepers at their over-
lapping ends, and a curtain suspended from
said ring-frame.

In testimony, that I claim the foregoing
as my invention, I have signed my name in
presence of two subscribing witnesses.

MORRIS HERSCOVITZ.

Witnesses:

JOHN MURTAGH,
L. M. DORMAN.
