(No Model.) 2 Sheets—Sheet 1.

W. K. JONES.

FOLDING BATHING CABINET.

No. 268,240. Patented Nov. 28, 1882.

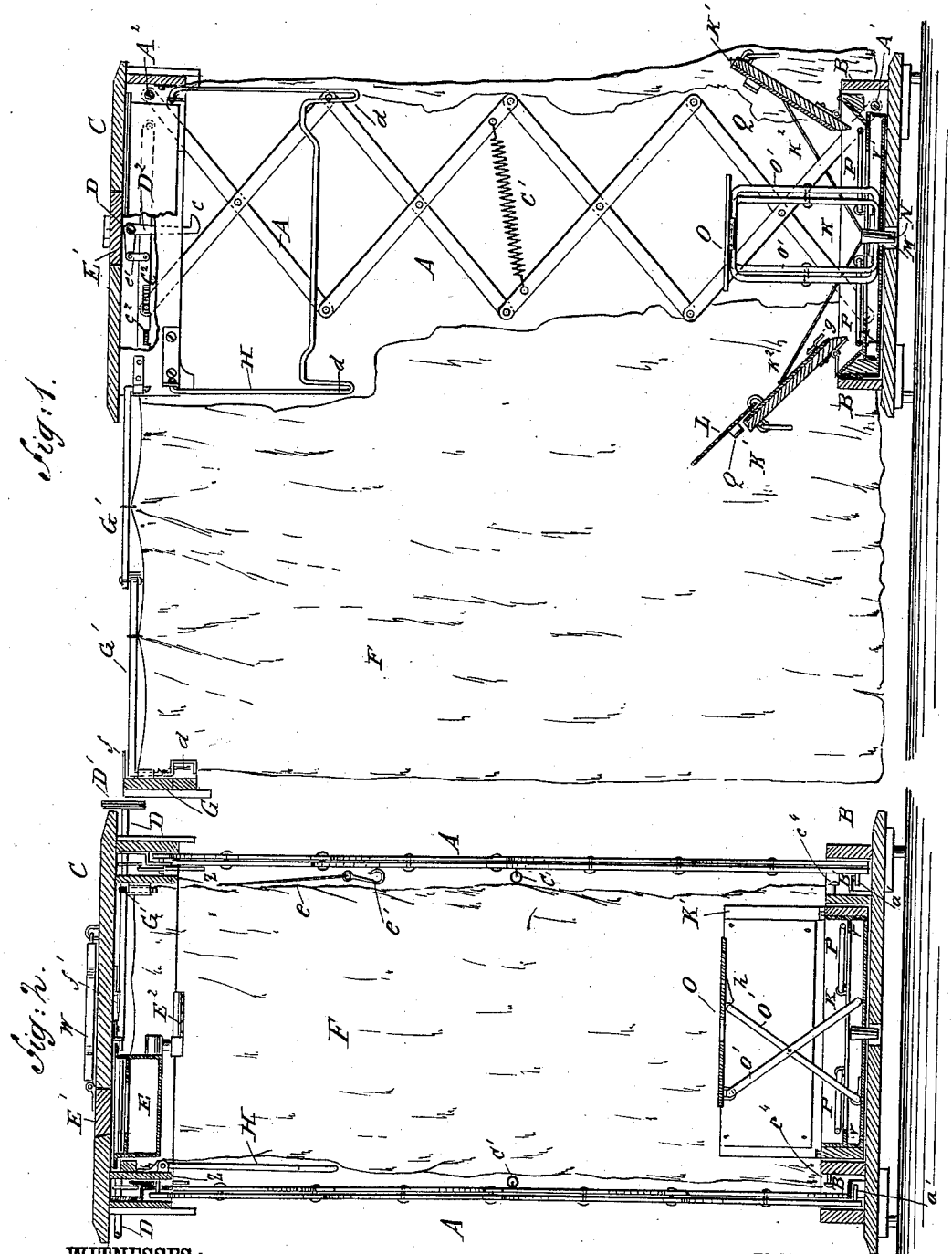


Fig. 1.

Fig. 2.

WITNESSES:

Chas. Nida.

C. Bedgwick

INVENTOR:

W. K. Jones

BY Munn & Co

ATTORNEYS.

N. PETERS. Photo-Lithographer. Washington, D. C.

(No Model.) 2 Sheets—Sheet 2.

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Fig: 3.

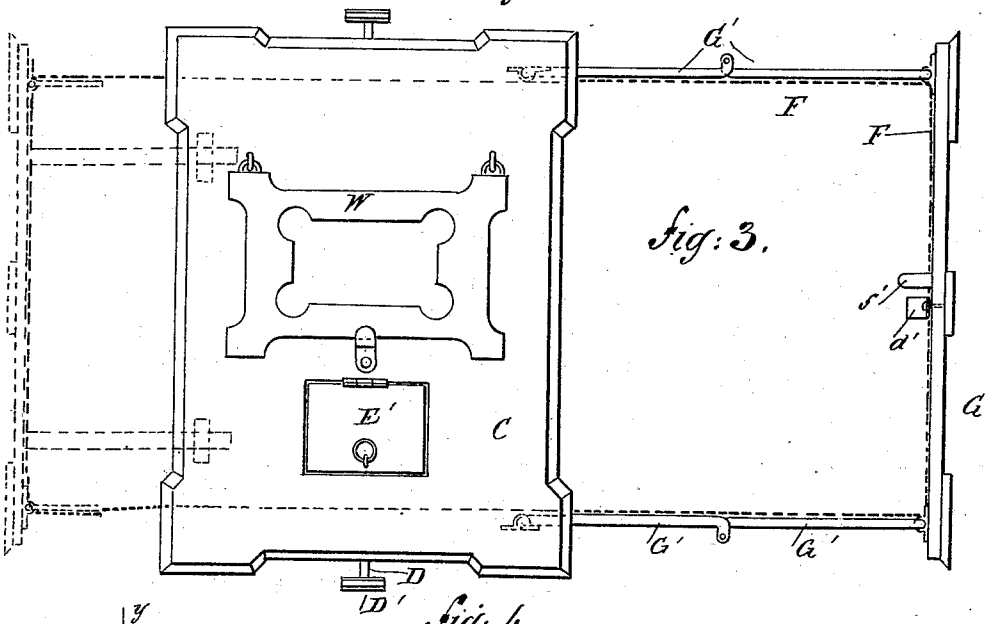


Fig: 3.

Fig: 4.

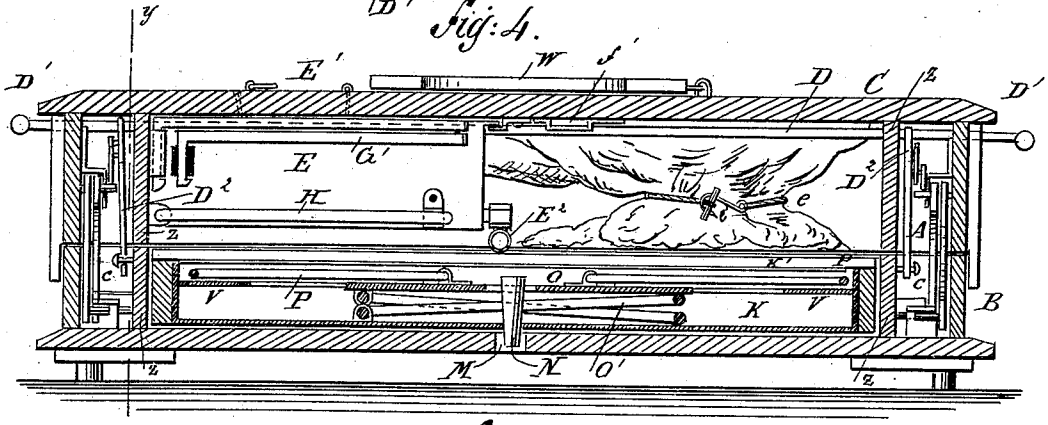
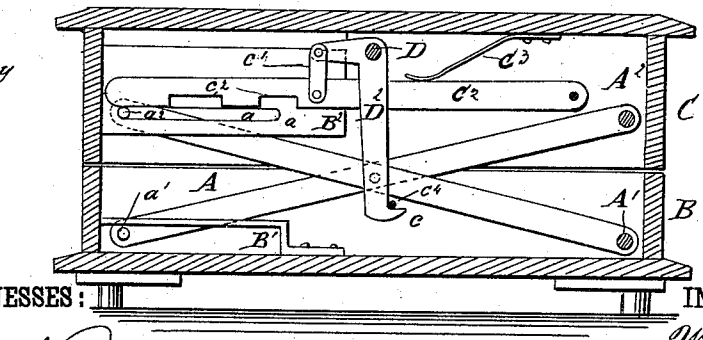


Fig: 5



WITNESSES:

Chas. Nida

C. Sedgwick

INVENTOR:

W. K. Jones

BY Munn & Co.

ATTORNEYS.

N. PETERS. Photo-Lithographer. Washington, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM K. JONES, OF HAINESVILLE, ILLINOIS.

FOLDING BATHING-CABINET.

SPECIFICATION forming part of Letters Patent No. 268,240, dated November 28, 1882.

Application filed May 11, 1882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM KAPPLE JONES, of Hainesville, in the county of Lake and State of Illinois, have invented a new and Improved Folding Bathing-Cabinet, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved bathing-cabinet which can be folded very compactly and can be erected rapidly and conveniently.

The invention consists in a folding bathing-cabinet formed of a base and top united by lazy-tongs, which base contains a pan provided with swinging lids and a folding footboard, and is provided with bails for transporting it. The top is provided with movable extensions united with the top by folding pivoted arms, to which top and extension a curtain is attached which can be folded and held together by a cord attached to the same. The top contains a tank provided with spout or nozzle.

The invention further consists in a shaft journaled in the top and provided with elbow-levers connected with a notched locking-bar, for locking the lazy-tongs when extended or folded or locking the top on the base when the cabinet is folded.

The invention also consists in details of construction and combinations of the same, as will be fully described hereinafter.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a cross-sectional elevation of my improved folding bathing-cabinet, showing the same raised and extended. Fig. 2 is a longitudinal sectional elevation of the same. Fig. 3 is a plan view of the same, showing the extension drawn out. Fig. 4 is a longitudinal sectional elevation of the same, showing it folded and closed. Fig. 5 is a cross-sectional elevation of the same on the line *y y*, Fig. 4.

The lazy-tongs A each have one bottom end secured to a rod, A′, journaled in a base, B, and the other bottom ends are provided with studs *a′*, passing under guide-clips B′, secured on the base. One of the upper ends of each tongs is secured to a rod, A^2, parallel with the rod A′, and journaled in a top, C, the other upper ends of the tongs being provided with pintles or studs a^2, passing through slots *a* in guide-strips B^2, secured in the top C. Springs C′ are secured to opposite joints of each lazy-tongs, for the purpose of drawing these joints toward each other for the purpose of assisting in erecting the cabinet and producing an easy movement of the tongs.

The top C is provided with a transverse shaft, D, having handles D′ on the ends, projecting from the ends of the top, on each end of which shaft D angular or elbow levers D^2 are secured within the top C, which elbow-levers each have a hook, *c*, at the lower end, and have the upper horizontal arm connected by means of a pivoted link, *c′*, with a bar, C^2, provided in its lower edge with one or more notches, c^2, at the swinging end, this bar C^2 being pivoted in such a manner that the swinging end will be above the stud or pintle a^2 projecting through the slot *a* of the guide-strip B^2 in the top C. Springs C^3, attached to the under side of the top plate of the top C, press the free ends of the pivoted bars C^2 downward on the studs a^2. The base B is provided with studs c^4, on which the hooks *c* of the angle or elbow levers D^2 can catch.

The top C contains a tank, E, which has a top opening for filling it, which opening is closed by a cover or lid, E′. The tank E is provided with a pivoted combined spout and cock, E^2, which is provided with numerous small apertures through which the water can pass down upon the bather. A curtain, F, is attached to the ends and sides of the top C. The front side, G, of the top is attached at its ends to two folding arms, G′ G′, pivoted to the front of the ends of the top C, so that the side G can be drawn out—that is, the top C can be enlarged, as shown in Figs. 1 and 3.

A frame, H, is pivoted to one end of the top C, and this frame is provided at each end of the lower or outer cross-bar with a projection or lug, *d*, parallel with the sides of this frame. The inner surfaces of the sides of the top are provided with pivoted catches *d′* for holding this frame when it is raised or folded against the under side of the top C. When the cabinet is folded the curtain F is held together by a cord, *e*, passed around it, and provided with a hook, *e′*.

I have shown an extension device on one side only of the top C; but two extension devices may be provided, as is indicated in dotted lines in Fig. 3.

The front or movable side, G, of the top C is provided with a projection or lug, *f*, which passes into a clip, *f'*, on the under side of the top plate of the top C.

The base B contains a removable pan, K, provided with hinged lids K', which are held from being opened too far by check cords or chains K^2. One or both of the lids K' are provided with hinged extension-plates L, which fold on the inner sides of the lids, and can be swung outward to project beyond the swinging edges of the lids to protect the floor on which the cabinet rests from the water that is splashed by the bather. The extension-plates L are locked on the inner surfaces of the lids K' by means of latches *g*. The pan K is provided with a bottom outlet, M, which can be closed by means of a plug, N. A foot-board, O, is attached to folding legs O', pivoted to one end of the foot-board and to the bottom of the pan, which foot-board has a projection, *h*, on the under side, against which projection the upper free end of one of the pairs of pivoted legs rest. This foot-board can thus be erected to be used as a chair. Two bails, P, are pivoted to the bottom of the pan, which bails, when raised, are passed under jaws Q on the inner surfaces of the lids K' or their extension-plates L, whereby the bails will be held erect, so that the pan can be carried by means of these bails. The pan is provided with a horizontal flange, V, to prevent the water splashing out of the pan.

A towel-rack, W, is pivoted on the top plate of the top C. This towel-rack is raised when the folding bathing-cabinet is partially raised to be used as a wash-stand or table.

The lazy-tongs fold into compartments formed between the ends of the top and base partitions, Z, in the top and base parallel with the sides. These partitions Z also serve to more securely hold the lazy-tongs rod A' in proper operative position relatively to all the other parts of the apparatus.

The frame H is used to hold the curtain beyond the tank, and to hold the movable sides of the top together.

The operation is as follows: If the cabinet is to be used as a bathing-cabinet, the handles D' are turned to disengage the hoops *c* from the studs c^4, and the top C is raised and the studs a^2 on the upper ends of the lazy-tongs catch in one of the recesses or notches c^2 of the bars C^2, which bars are pressed on these studs a^2 by the springs C^3. The cabinet can be raised to its full height, or it can be raised to about half its height to be used as a wash-stand. If the cabinet is raised to its full height to be used as a bathing-cabinet, the curtain-holder H is released from the catches *d'*, and the curtain F is dropped, and is then opened—that is, the cord *e* is unfastened, and then the movable side G of the top C is drawn outward, whereby the cabinet will be enlarged or extended, as shown in Figs. 1 and 3. The lids K' of the pan K are swung open, as shown in Fig. 1, and if desired the extension-plates L are swung open to prevent the splashed water from wetting the floor. As stated, the cabinet can be provided with an extension on two sides, one or both of which may be drawn out at the same time. If the pan is to be removed, the bails P are raised, and are passed under the jaws Q of the lids of the pan for the purpose of holding the bails raised. If the cabinet is to be folded, the shaft D is turned to raise the notched bars C^2 from the studs a^2, upon which the top C will descend upon the base. Before folding the cabinet the side G and the arms G' must be folded, and the curtain is held together and to the top by means of the cord *e* and frame H. This cabinet occupies but very little space when folded, can be erected very rapidly, and can be made larger or smaller, as may be desired.

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

1. A folding bathing-cabinet constructed, substantially as herein shown and described, with a base and a top connected by lazy-tongs, as set forth.

2. In a folding bathing-cabinet, the combination, with the base and the top, of lazy-tongs connecting them, a tank in the top, and a pan in the base, substantially as herein shown and described, and for the purpose set forth.

3. In a folding bathing-cabinet, the combination, with the base and the top, of lazy-tongs connecting them, and a curtain attached to the top and to a folding extension side of the same, substantially as herein shown and described, and for the purpose set forth.

4. In a folding bathing-cabinet, the combination, with the base and top, of lazy-tongs connecting them and springs attached to the joints of the tongs for assisting in raising the top, substantially as herein shown and described, and for the purpose set forth.

5. In a folding bathing-cabinet, the combination, with the top C and base B, of the partitions Z and the lazy-tongs A, folding within the spaces between these partitions Z and the ends of the top and base, substantially as herein shown and described, and for the purpose set forth.

6. In a folding bathing-cabinet, the combination, with the top C, of the movable side G, and the hinged or folding arms G', pivoted to the top C and to the movable side G, substantially as herein shown and described, and for the purpose set forth.

7. In a folding bathing-cabinet, the combination, with the top C, of the movable side G, the folding arms G', the projection *f* on the side G, and the clip *f'* on the top C, substantially as herein shown and described, and for the purpose set forth.

8. In a folding bathing-cabinet, the combination, with the top C, of the holder H, provided

with lugs d, and of the latches d' d', substantially as herein shown and described, and for the purpose set forth.

9. In a folding bathing-cabinet, the combination, with the top C and the base B, of the lazy-tongs A, the studs a^2, projecting from one of the upper ends of each lazy-tongs, the pivoted bar C^2, provided with notches c^2, and the angle or elbow lever D in the top C, and connected with the bar C^2, substantially as herein shown and described, and for the purpose set forth.

10. In a folding bathing-cabinet, the combination, with the top C and bottom B, of the lazy-tongs A, the studs a^2, the pivoted bar C^2, provided with notches c^2, the angle or elbow lever D^2, mounted rigidly on the shaft D, the hook c at the lower end of the lever D^2, the link-piece c', and the studs c^4, substantially as herein shown and described, and for the purpose set forth.

11. In a folding bathing-cabinet, the combination, with the top C and bottom B, of the lazy-tongs A, the studs a^2, the notched bars C^2, the angle or elbow lever D^2, the links c', the studs c^4, and the springs C^3, substantially as herein shown and described, and for the purpose set forth.

12. In a folding bathing-cabinet, the combination, with the base B, of the pan K, the swinging lids K′, and the extension-plate L, substantially as herein shown and described, and for the purpose set forth.

13. In a folding bathing-cabinet, the combination, with the base B, of the pan K, the swinging lids K′, and the bails P, substantially as herein shown and described, and for the purpose set forth.

14. In a folding bathing-cabinet, the combination, with the base B, of the pan K, the swinging lids K′, the bails P, and the jaws Q, substantially as herein shown and described, and for the purpose set forth.

15. In a folding bathing-cabinet, the combination, with the base B, of the foot-board O and the pivoted legs O′ of the same, substantially as herein shown and described, and for the purpose set forth.

16. In a folding bathing-cabinet, the combination, with the base B, of the pan K, provided with horizontal flanges V, substantially as herein shown and described, and for the purpose set forth.

WILLIAM K. JONES.

Witnesses:
FRANK M. SMITH,
E. G. PAYNE.