

No. 834,983.

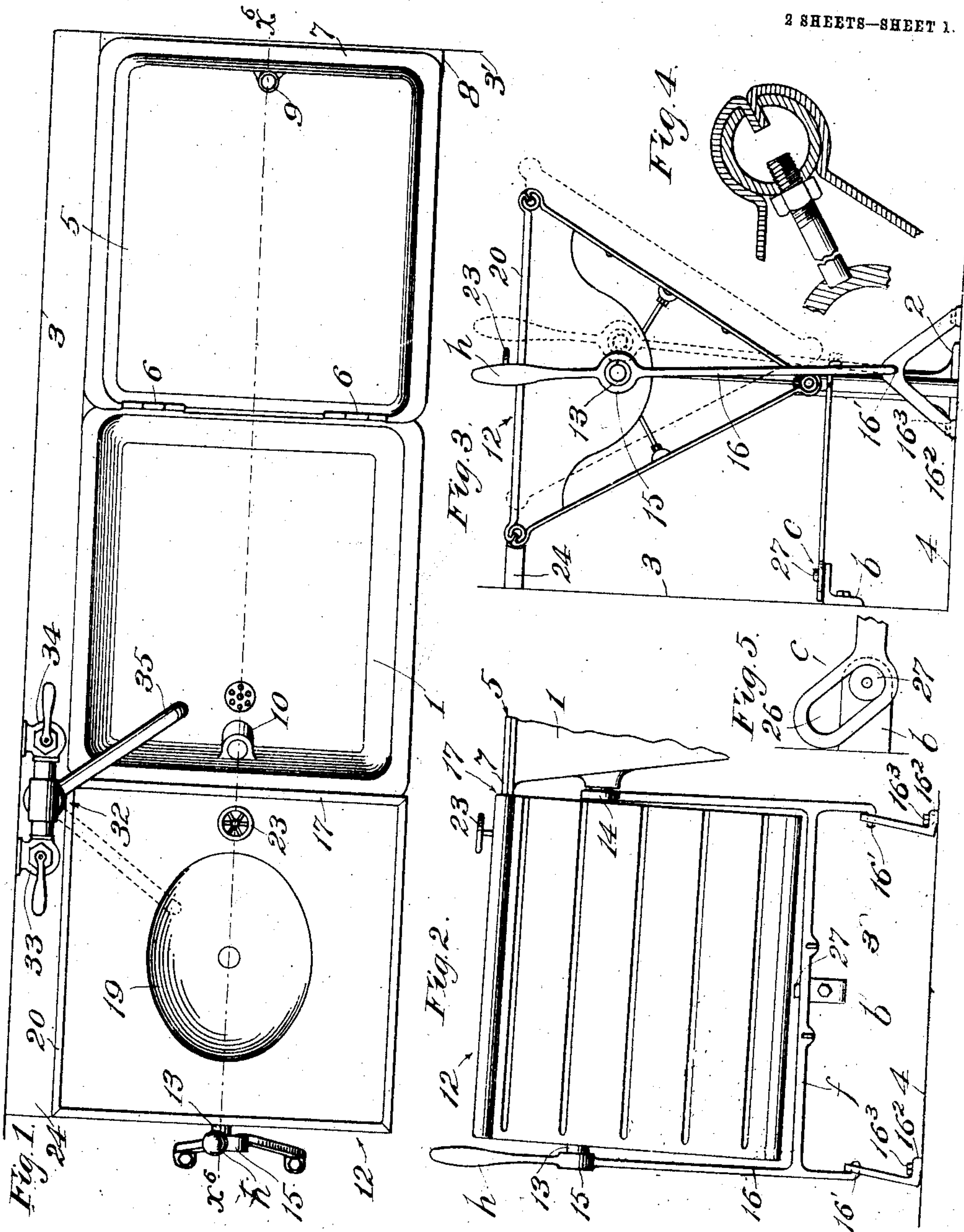
PATENTED NOV. 6, 1906.

W. C. JAMES.

COMBINATION LAVATORY, KITCHEN, AND LAUNDRY APPARATUS.

APPLICATION FILED JUNE 30, 1905.

2 SHEETS—SHEET 1.



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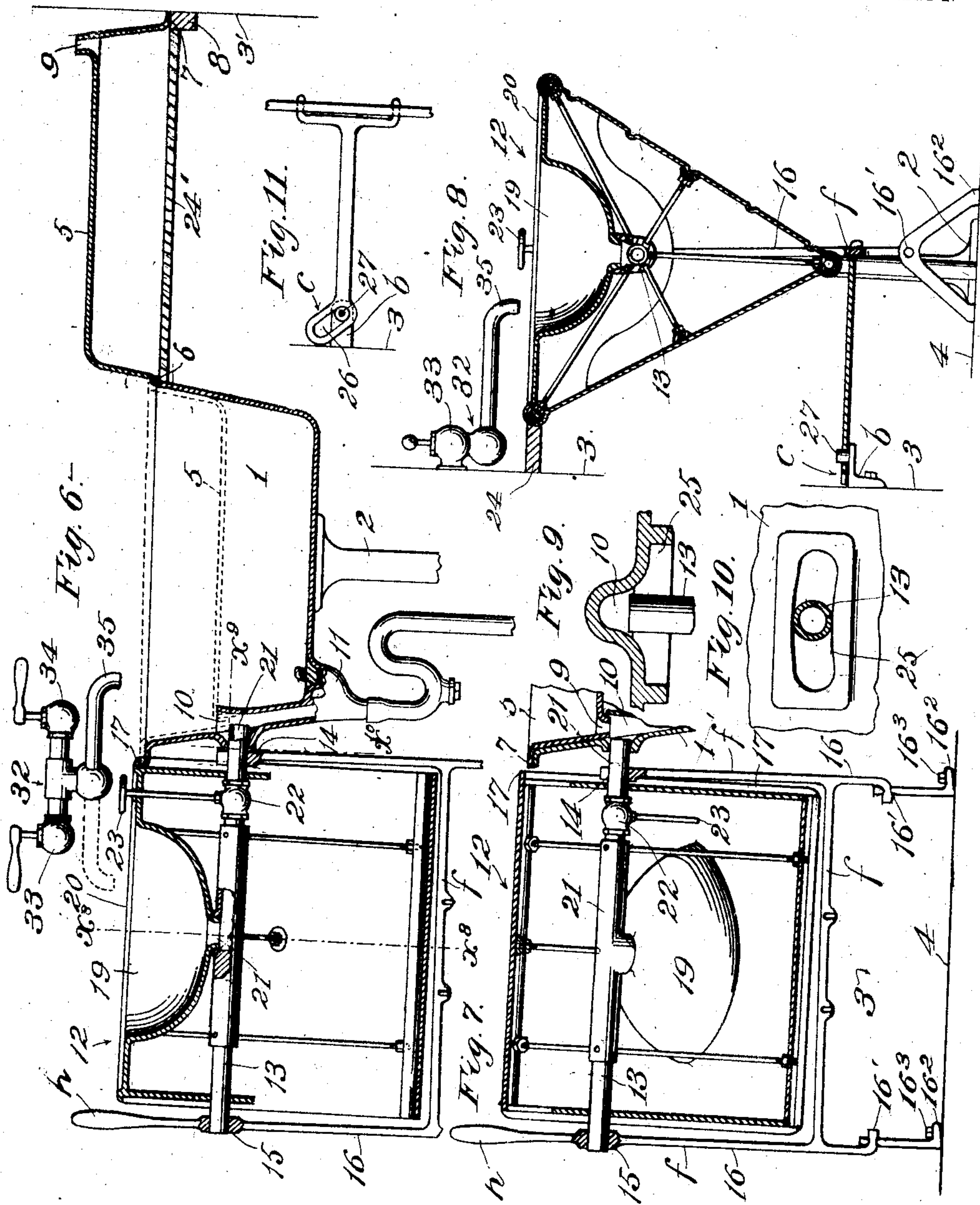
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# UNITED STATES PATENT OFFICE.

WILLARD C. JAMES, OF LOS ANGELES, CALIFORNIA.

## COMBINATION LAVATORY, KITCHEN, AND LAUNDRY APPARATUS.

No. 834,983.

Specification of Letters Patent.

Patented Nov. 6, 1906,

Application filed June 30, 1905. Serial No. 267,704.

*To all whom it may concern:*

Be it known that I, WILLARD C. JAMES, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Combination Lavatory, Kitchen, and Laundry Apparatus, of which the following is a specification.

An object of this invention is to provide means for facilitating the work of the housekeeper and to provide in convenient and compact form ready for practically immediate and instant use numerous housekeeping conveniences, whereby a portion of a single apartment may be unobtrusively supplied with the furniture of a lavatory, kitchen, and laundry.

In carrying out this invention I provide means whereby all of the various conveniences of a washstand, sink, and washtub can be embodied in a single apparatus, together with other conveniences and appliances, thereby greatly economizing room and avoiding much trouble and loss of time to the user and also expense of plumbing. I provide a rotatable device having a plurality of appliances adapted for use with the tub or sink and means for holding said device in various positions for use in conjunction with or independently of the tub.

A further object of the invention is to provide a convenient drain-board for use with the washtub which will be out of the way when the sink is in use.

Another object is to provide a readily-accessible board that can be used as a molding-board or bread-board when desired and which will be out of the way except when adjusted for use and which will be out of sight when the apparatus is adjusted for use as a lavatory.

I provide the apparatus with a drain-board which can be adjusted for use with either the sink or the tub and which affords an ornamental and finished appearance for the apparatus when the same is adjusted to serve as a lavatory. Such apparatus preferably consists in a rotatable device having different appliances of utility which are revoluble to bring them into position for use, and said device is arranged to oscillate to bring it against and away from the tub and sink. I also make provision for a shelf or drain-board at that end of the tub opposite the movable utilitarian device, which shelf or board may extend out even with the front side of the tub

and will be covered over by the sink when the same is swung out of the tub and which forms a hollow cover therefor to serve as a receptacle for dishes or other articles the housekeeper may wish to temporarily conceal or put out of the way. Said shelf or drain-board may be hinged and held by a detachable fastening, so as to be dropped out of the way, and it may be adjustable to drain into the sink when the sink is in use; but in the accompanying drawings I have shown it as a fixed and solid shelf. It is to be understood, however, that I do not limit the construction to the form shown nor to hinging the sink to the tub, for in some instances the sink of the combined tub and sink may be free from the tub and simply constructed to be lifted out of and returned to the tub as occasion requires.

A feature of one part of this invention is the provision of an oscillating frame carrying a revoluble utilitarian device and arranged adjacent a utensil—as a tub or sink, for instance—with which it is adapted for use, the same serving to hold the utilitarian device in position for use when such device is oscillated toward it and to allow it to revolve when the device is oscillated from it.

The oscillating frame or support for such device is arranged to lean against the tub or other utensil, which thus serves as a support therefor when in position for use, and a ledge projecting from the wall serves as a support for a corner of the device at the same time. Cam means for automatically oscillating the device in one direction when the device is manually oscillated in the other direction may be fastened to the wall and jointed to the frame, being formed in two members to allow flexible movement and yet guide the frame and hold it from falling or moving when oscillated too far forward.

The utilitarian device is preferably a three-sided prism, the shaft on which it revolves being coaxial of the prism and parallel with the adjacent wall, and the molding-board is arranged on the side or face that is next the wall when the washbowl is uppermost. By this arrangement when the molding-board is not adjusted for use it always stands in an inverted position, in which it is protected from settling dust or falling matter of any kind and is concealed when the lavatory appliance is adjusted for use, and when the drain-board is adjusted for use the slant of the molding-board is downward toward the



wall, out of the way of the clothing of the housewife. I do not limit the construction, however, to a three-sided prism.

The accompanying drawings illustrate the invention.

Figure 1 is a plan view of the apparatus with the parts in position for using the wash-bowl, washtub, and drain-board for the washtub. Fig. 2 is a fragmental side elevation showing a movable utilitarian device in the form of a revoluble combination washbowl, drain-board, and molding-board for bread and cake, which is at the left hand in Fig. 1. This view also shows the oscillating support for said combination washbowl, drain-board, and molding-board. Fig. 3 is an end elevation from the left of Figs. 1 and 2, showing the parts in the same position shown in said views. The dotted lines indicate the position of the combination washbowl, drain-board, and molding-board when oscillated forward in position for revolving to bring either member desired to the top. Fig. 4 is a sectional detail illustrating features of construction of the revolving washbowl, drain-board, and molding-board. Fig. 5 is a fragmental plan of the cam for oscillating the revolving washbowl, drain-board, and molding-board. Fig. 6 is a fragmental vertical longitudinal sectional view of the apparatus on line  $x^6$   $x^6$  with parts in position shown in Fig. 1. Fig. 7 is a fragmental view showing the revolving device oscillated into position for revolving, the drain-board being uppermost and the revolving device ready to be oscillated back into position for use of said drain-board. Fig. 8 is a cross-sectional view on the line  $x^8$   $x^8$ , Fig. 6. Fig. 9 is a fragmental sectional detail on the line indicated by  $x^9$ , Fig. 6. Fig. 10 is a fragmental sectional detail on the line  $x^{10}$ , Fig. 6. Fig. 11 is a plan of the cam-arm, its bracket, and a fragment of the oscillating frame.

In Figs. 2, 3, 7, and 8 the apparatus is shown as it would appear when the sink is adjusted for use as a sink. 1 designates a washtub, which may be of porcelain-lined metal construction and supported by a bracket or standard 2 in the usual manner. 3 designates the supporting or adjacent wall, and 4 the floor. 5 designates a sink which is preferably pivoted or hinged at 6 to one side of the tub 1, so as to enable it to be turned down into the tub, as shown in Fig. 7 in full lines, a ledge or rim 7 on the sink then resting on the top of the tub. When said sink is not in use as a sink, it can be turned up and over to the inverted horizontal position shown in Fig. 6 in solid lines for use as a drain-board for the washtub, its farther end then resting on a suitable support, such as a ledge 8 on the adjacent wall 3. This support is so positioned that the bottom of the sink, which in this position is uppermost, will be slightly inclined toward the tub, so that when dripping clothes

are placed thereon the drainage therefrom will run back into the tub.

The sink 5 is provided with a drainage-funnel or outlet-nipple 9, which when the sink is turned down in position within the washtub enters the top of a duct 10, formed on the inside of one end wall of the wash-tub, said duct being continued below the tub and connecting with the outlet or drainage tube 11 of the tub at a point below the bottom of the tub, so that the drainage from the sink does not enter the tub. The drainage-outlet 11 is adapted to entirely empty the tub because it opens upwardly on a level with the bottom thereof. At the adjacent end of the tub is mounted a revoluble utilitarian device 12, which serves interchangeably as a bowl, a drain-board, and molding-board, the same being mounted on a shaft 13, which is supported in bearings 14 15 on an oscillating frame 16, mounted at 16' to oscillate on oscillating standards or rockers 16<sup>2</sup>, loosely secured to the floor at a fixed point by bolts 16<sup>3</sup>.

The device 12 is triangular or three-sided, the sides thereof extending substantially parallel with its axis of rotation, being formed on its respective sides with the three articles above enumerated and is provided on each side with an extension or ledge 17, that can be projected over the edge or rim of the washtub 1 and also sink 5 to hold the device 12 from rotation. Said device is movable longitudinally and laterally and is fixed to and revolves with said shaft, so as to enable it to be withdrawn from the tub and from the wall or other obstacle sufficiently to clear the same and to thereupon be rotated.

One face or side of the triangular device 12 is formed with a wash bowl 19, this side being also preferably formed with a peripheral or external lip or bead 20. The shaft 13 is partly tubular, being formed as a pipe or conduit 21 from the washbowl to the duct 10, and the washbowl drains therethrough.

22 designates a valve in the tubular shaft or pipe 13, controlled by a handle 23, to retain water in and to release it from the washbowl.

A ledge or shelf 24 may extend from the wall 3 to proximity with the inner edge of the top face of the rotatable device 12, and the faces of said device may be all of such dimension as to work into close proximity to said shelf.

In order to allow the top edge of the revoluble device to rest against such ledge in working condition of the apparatus and to be withdrawn therefrom to enable the device to be revolved, the device 12 is movable laterally toward and from the wall 3 as well as longitudinally toward and from the tub. For this purpose the oscillating frame is pivoted in bearings at 16', and the shaft 13 enters the duct 10 through a segmental opening or slot 25, elongated in a direction transverse to the wall, so as to permit lateral movement of the



oscillating device, said movement being longitudinal of the slot.

*c* designates cam means to effect the longitudinal movement as a resultant of the lateral movement of the revoluble device. Said cam means is shown as an arm having a slot 26, engaging a roller 27 on a bracket *b*, fastened to the wall 3.

In order to enable the device to be used equally well with right and left hand arrangement of the apparatus, the slot 25 extends equally on either side of the duct 10 into which the washbowl-drain 21 discharges. Upon oscillation of the frame 16 away from the wall by means of handle *h* the cam *c* at the same time will move the revoluble device away from the tub.

When the revoluble device is in working position, the ledge 17 rests over the top of the tub or over the top of the sink, as the case may be, and on drawing the device 12 outwardly or away from the wall the cam will move the device 12 longitudinally away from the tub, thus removing the ledge 17 from the tub sufficiently to allow rotation of the device 12.

32 designates a water-supply means which may be formed as a combination-faucet for hot and cold water, provided with hot and cold water valves 33 34 and with a pivoted outlet-tube 35, which can be swung over the washbowl or washtub, as may be desired, and can also be swung back against the wall if necessary.

The device is especially applicable in flats or apartments where the room is limited and where the housekeeper desires occasionally the use of laundry conveniences. For general purposes the sink will be lowered to position shown in dotted lines in Fig. 6, and will then serve all the purposes of an ordinary kitchen-sink, the drain-board being brought into uppermost position when washing dishes, &c.

When the use of a washbowl is desired, it is only necessary to pull the device 12 outwardly and turn it, as above stated, to bring the washbowl uppermost and then slide it back. If a molding-board is desired, the other face of the device 12 is turned uppermost, said device being held from rotation in any one of the three positions by means of the ledge 17 engaging over the top of the tub or sink. The revoluble device is held in normal inclined position by the ledge 17 and by gravity, being constructed to incline toward the wall 3 when at rest, the means for accomplishing this being the frame 16, pivoted at 16' and moving back and forth in segmental slot 25.

It is desirable that the tubular shaft 13 should have a sufficient incline or dip toward the tub to insure drainage of said shaft, and this inclination of the shaft will also result in the required inclination of the drain-board,

and the corresponding inclination of the washbowl and molding-board will not generally be sufficient to be noticeable or to cause inconvenience. If, however, greater inclination for the drain-board side of the device is desired than for the other two sides of the device, this may be secured by means of an expedient shown in Fig. 7, wherein the outer arm *f* of the oscillating frame 16 is longer than the inner arm *f'*.

When it is desired to use the wash-tub, the member 12 is oscillated endwise away from the tub and the sink is turned over to position shown in Figs. 1 and 6, the bottom of the sink then forming a drain-board on which the saturated laundry can be placed. At the same time either the drain-board or the washbowl can be brought uppermost at the other side of the tub, the washbowl forming a convenient rinsing or washing adjunct in connection with the washtub.

The apparatus may be otherwise variously modified without departing from the spirit of the invention.

What I claim is—

1. A washtub, and a member movably mounted at one side of the same, and provided with a washbowl and drain-board, said member being movable relative to the tub to bring the washbowl and drain-board alternatively into uppermost position adjacent to the tub.

2. A washtub and a member rotatively mounted at one end of the same provided on portions thereof brought alternatively into uppermost position on rotation of the member, with a washbowl and a drain-board.

3. A washtub and a member rotatively mounted at one end of the same, provided on portions brought alternately into uppermost position on rotation of the member, with a washbowl, drain-board and molding-board, and means for causing inclination of the said member toward the tub when the drain-board is uppermost.

4. The combination with a tub, of a support at one side of the tub, a movable sink adapted to chamber in the tub in one position and to rest on the support in another position, and a utilitarian device mounted to move toward and from the other side of the tub and provided with a flat surface adapted to be inclined toward the tub and having a ledge to overhang the tub and sink when in normal position.

5. A sink, a support secured at a fixed point and a rotatable device mounted on said support to oscillate toward and from the sink, said device being provided with a plurality of useful appliances on various sides thereof and having a ledge to fit over the tub or sink to hold the device from rotation.

6. A sink and a rotatable device provided with a plurality of useful appliances on various sides of the device, an oscillating support



for said device, said device provided with a part adapted to normally engage the sink to prevent rotation of said device.

7. A sink and an oscillating rotatable device normally in engagement therewith and provided with a plurality of useful appliances on various sides of the device, an oscillating support for the device, and means automatically oscillating the device longitudinally out of engagement with the same, said means being adapted to be operated by a lateral movement of the device.

8. A sink and an oscillating rotatable device normally in engagement therewith and provided with a plurality of useful appliances on various sides of the device, an oscillating support for the device and cam means moving said support out of engagement with the sink.

9. A tub provided with a drain and a slot opening thereinto, a device oscillating longitudinally of said slot provided with a bowl, and a pipe leading from the bowl through said slot.

10. A tub provided with a drain and a slot opening into the drain, a hollow shaft in the slot, a bowl mounted on and opening into the hollow shaft, and a support for oscillating the shaft and bowl longitudinally of the slot.

11. A frame, rockers on which the frame is pivoted, a revoluble device on the frame and a tub adapted for use with the device and adapted to hold the same in position for use, said rockers adapted to bring the device into and out of engagement with said tub.

12. A shelf, a tub adjacent thereto and a sink arranged to move into the tub in normal position for use as a sink, and also arranged to rest above the shelf in inverted horizontal position to chamber the contents of the shelf.

13. A wall, a ledge thereon, a rotatable device having a plurality of faces adapted to be moved into a substantially horizontal plane for different uses, an oscillating support for said device for normally holding the same in position for use with a corner against the ledge and adapted to oscillate from the wall to allow rotation of the device.

14. A tub, a shelf at one side thereof a hinged sink to fit in the tub in one position and to fit over the shelf in a horizontal position, and an oscillating device rotatable in a vertical plane on the other side of the tub having on different faces appliances adapted for use with the tub or sink and provided with means adapted to retain said device in a non-rotatable position.

15. A drain having an opening into one side thereof, and a hollow shaft, movably mounted with open end in said opening, and adapted to move toward and from the drain, a washbowl mounted on and draining into such shaft, a support for said shaft, said sup-

port being movable toward and from the drain.

16. The oscillating frame, the rockers upon which it is mounted, the wall, the ledge, the tub, the device rotatable in a vertical plane mounted on the frame and normally resting against the ledge and tub, appliances secured to the periphery of said device and cam means connecting the wall and frame substantially as and for the purpose set forth.

17. A vertically-rotatable device in the form of a three-sided prism a plurality of the sides being provided with means adapted for use with a tub or sink and a molding-board forming another of said sides.

18. A wall, a sink adjacent the wall and a rotatable three-sided prism connected with the wall and adapted for use with the sink, one of said sides being provided with a molding-board and another with a washbowl, said bowl and board being arranged to bring the board adjacent the wall when the bowl is uppermost.

19. A device provided with a plurality of articles secured to the sides thereof, said device being rotatable in a vertical plane to bring various articles in the uppermost position, a support for said device, said support adapted to oscillate said device from a rearward to a forward position, and a rest positioned to allow said device to lean thereagainst in the rearward position.

20. A tub provided with a slot opening thereinto, a device rotatable in a vertical plane and provided with a plurality of sides extending parallel to the axis thereof, a bowl on one of said sides, a pipe leading from said bowl through said slot, a support for said rotatable device, said support allowing said device to move longitudinally of said slot in a forward and rearward direction, and a rest positioned to allow said device to lean thereagainst in its rearmost position.

21. A device provided with a plurality of articles mounted thereon, one of which is a drain-board, said device being rotatable in a vertical plane to successively bring said articles into the uppermost position, a support for said device, said support being movable rearwardly and forwardly; a tub at the side of said device, an arm extending laterally from said support, and cam means at the end of said arm, said support being movable toward and from the tub in response to the operation of said cam means.

In testimony whereof I have hereunto set my hand, at Los Angeles, California, this 24th day of June, 1905.

WILLARD C. JAMES.

In presence of—

JAMES R. TOWNSEND,  
JULIA TOWNSEND.