

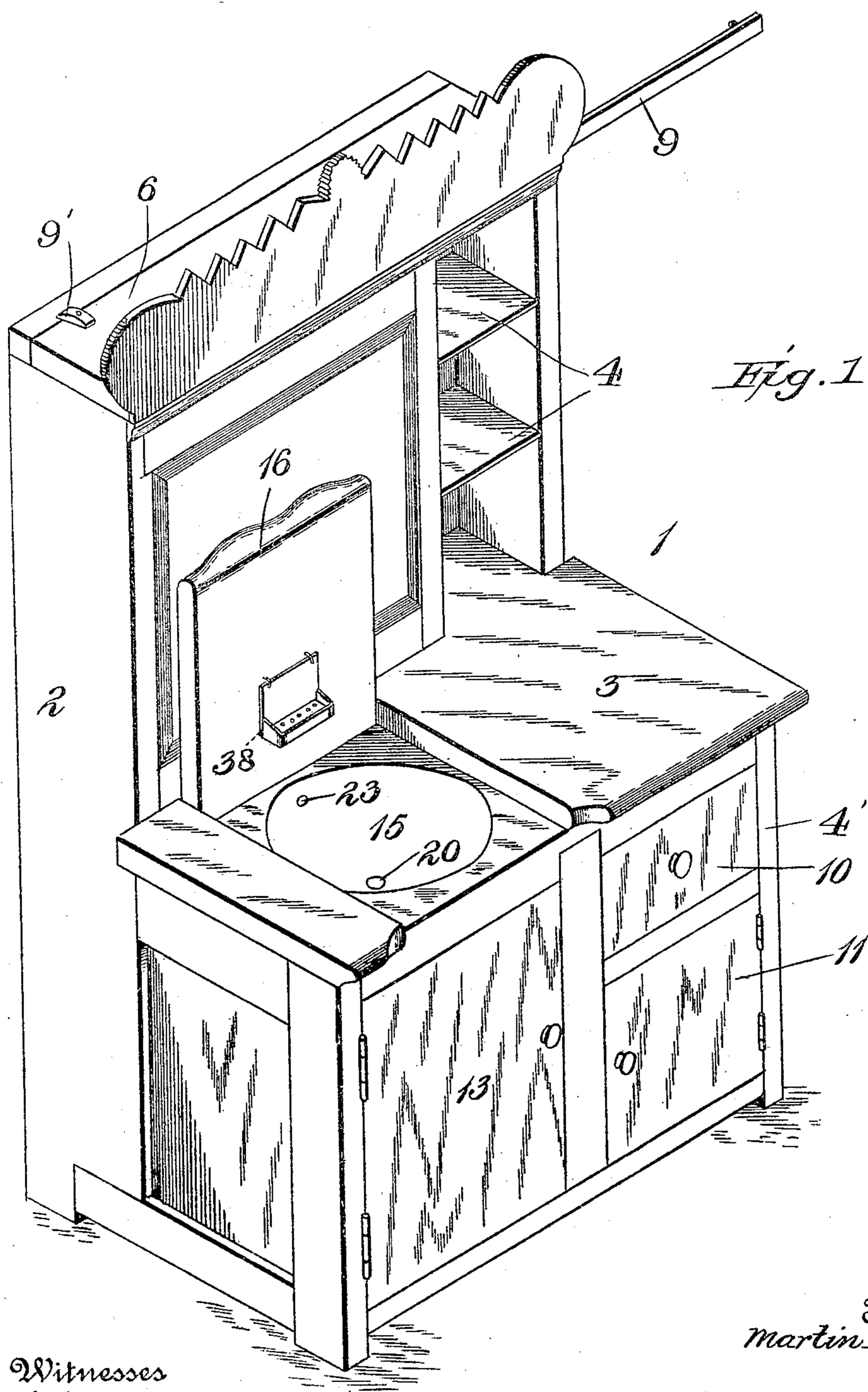
No. 801,420.

PATENTED OCT. 10, 1905.

M. TUFTY.
WASHSTAND.

APPLICATION FILED MAY 11, 1905.

2 SHEETS--SHEET 1.



Witnesses
F. L. Orand
C. H. Griesbauer

Inventor
Martin Tuffy.

By *A. B. Wilson*
Attorney

M. TUFTY.
WASHSTAND.

APPLICATION FILED MAY 11, 1905.

2 SHEETS—SHEET 2.

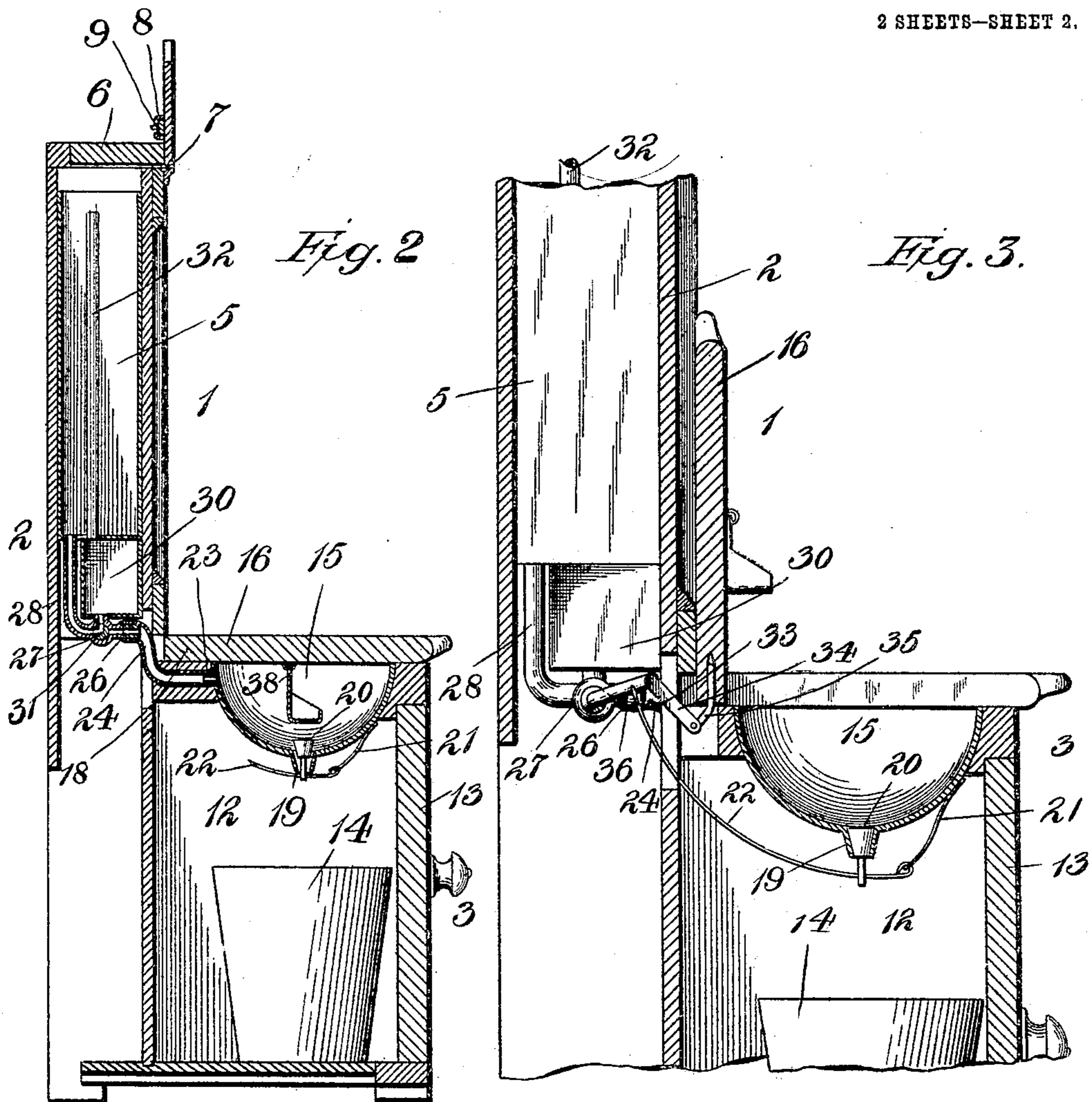
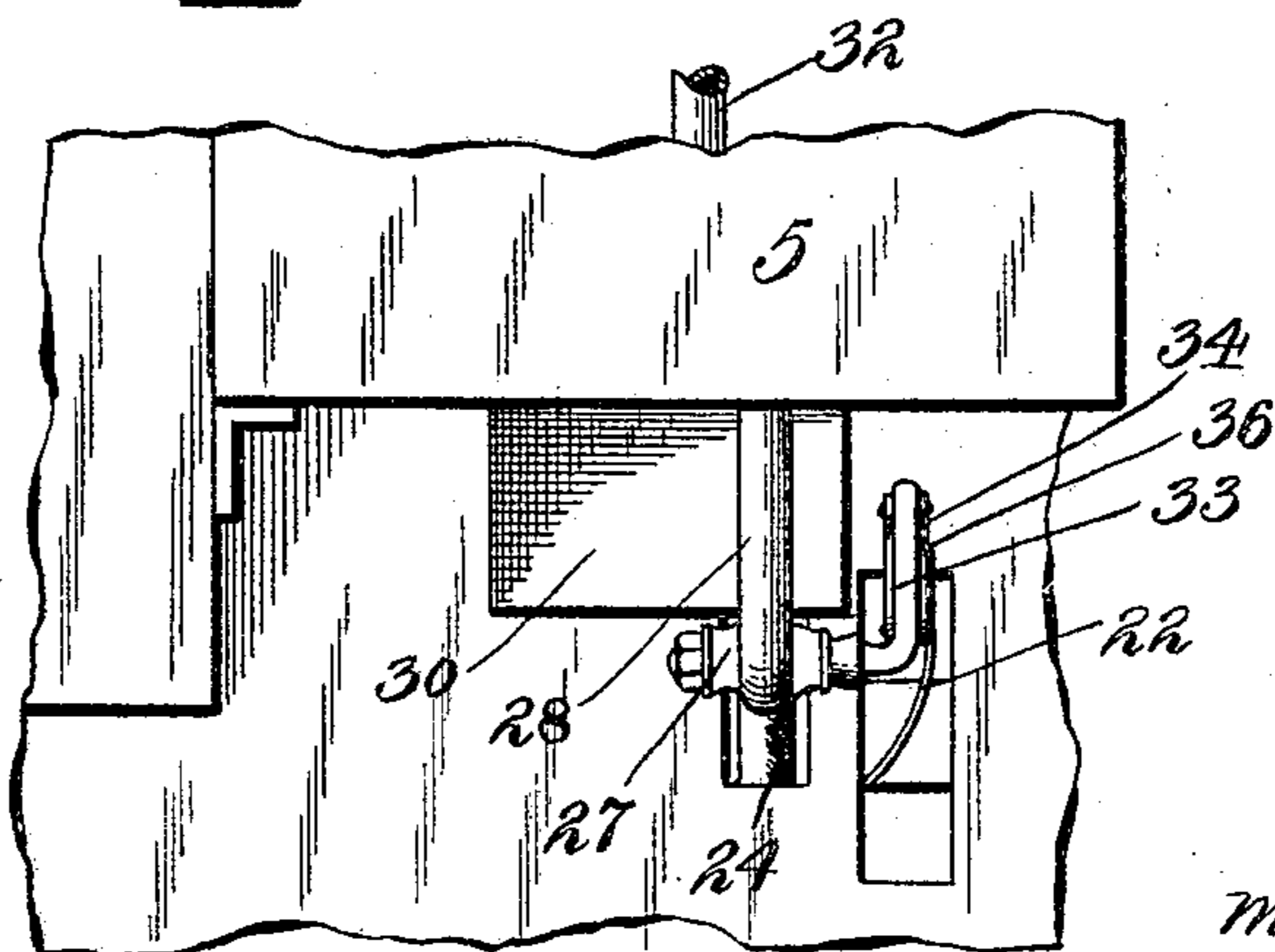


Fig. 4.



Witnesses
F. L. Ourand
C. H. Giesbauer

Inventor
Martin Tufty.

by *A. B. Wilson*
Attorney

UNITED STATES PATENT OFFICE.

MARTIN TUFTY, OF SANDPOINT, IDAHO.

WASHSTAND.

No. 801,420.

Specification of Letters Patent.

Patented Oct. 10, 1905.

Application filed May 11, 1905. Serial No. 259,915.

To all whom it may concern:

Be it known that I, MARTIN TUFTY, a citizen of the United States, residing at Sandpoint, in the county of Kootenai and State of Idaho, have
5 invented certain new and useful Improvements in Washstands; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use
10 the same.

My invention relates to improvements in washstands, and more particularly to an automatic device for emptying the wash basin or bowl and filling the same with a predetermined quantity of liquid from a suitable supply reservoir or source of supply.
15

The object of the invention is to provide a simple, inexpensive, durable, and efficient device of this character which will be entirely
20 automatic in operation.

With the above and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter described and
25 claimed.

In the accompanying drawings, Figure 1 is a perspective view of a washstand with my improvements applied thereto, the cover for the washbasin being shown in its open position and the towel rack or holder in its extended position. Fig. 2 is a vertical front to
30 rear sectional view through the device, showing the basin-cover in its closed position. Fig. 3 is a similar detail sectional view showing the basin-cover in its open position, and Fig. 4 is a detail rear elevation of the supply and measuring tanks or reservoirs.
35

Referring to the drawings by numerals, 1 denotes a washstand or similar piece of furniture
40 which may be of any desired form and construction and which, as shown, comprises a vertical portion 2 and a horizontal portion 3. The vertical portion of the stand may be provided with shelves 4 and is adapted to contain a water reservoir or tank 5, which has an open top closed by a cover 6, which is hinged, as shown at 7, upon the front edge of the vertical portion 2 of the stand and may be opened when it is desired to fill said reservoir or tank. Upon the
45 cover or top 6 is slidably mounted in a suitable guide 8 a bar or rod 9, upon which towels or the like may be hung or supported. The cover or top 6 may be held in its closed position by a pivoted turn-button 9. (Also
50 shown in Fig. 1.) In the horizontal portion 4 of the washstand upon one of its sides may

be provided a sliding drawer 10 and a lower compartment closed by a hinged door 11, and upon its opposite side is preferably provided a compartment 12, closed by a hinged door
60 13. The compartment 12 is adapted to contain a removable slop bucket or pan 14, which is disposed beneath a wash bowl or basin 15.

The basin or bowl 15 is mounted in the top 16 of the horizontal portion 3 of the wash-
65 stand and is adapted to be closed by a swinging cover 17, which is hinged at its rear edge, as shown at 18. The basin 15 is provided at the center of its bottom with a discharge-pipe 19, which is tapered to form a seat to coact
70 with a tapered or cone-shaped valve 20. The reduced stem of the latter projects downwardly through the lower end of the discharge pipe or tube 19 and is apertured to receive an operating-rod 22. One end of the rod 22 is
75 attached to a spring 21, which is adapted to hold the valve 20 normally closed or upon its seat, and the opposite end of said rod is actuated by the basin-cover 16, as presently explained. The basin 15 has adjacent to the top
80 of its rear portion a water inlet or supply pipe 23, which is connected, preferably by a flexible pipe or tubing 24, of rubber or the like, to one branch of the casing 26 of a three-way valve 27. One of the other branches of the
85 valve-casing 26 communicates, as shown at 28, with the bottom of the water-supply tank or reservoir 5, and the third branch of said valve-casing communicates with a small measuring reservoir or receptacle 30; which is disposed
90 beneath the tank 5. The size or cubic capacity of the measuring-tank 30 varies according to the size of the basin or bowl 15 and preferably contains as much water as it is desired to discharge into the basin or bowl at one
95 time. The valve 27 is in the form of a rotating plug having right-angularly-disposed passages 31, which may be made to afford communication between the tank 5 and the tank or receptacle 30 through the pipe 28 and at
100 the same time close the outlet branch 26, as shown in Fig. 2 of the drawings, or which when said valve is turned, as shown in Fig. 3 of the drawings, is adapted to close the pipe or passage 28 and permit the contents of the
105 receptacle 30 to discharge into the basin or bowl 15 through the parts 26 24 23. An air-vent pipe 32 is disposed in the tank 5, so as to admit and permit the escape of air into and from the measuring-receptacle 30 as it is filled
110 and emptied.

The three-way supply-valve 27 and the basin

outlet-valve 20 are operated simultaneously and automatically by the swinging basin-cover 16, the latter as it is opened closing the valve 20 and opening the valve 27 and as it is closed opening the valve 20 to permit the contents of the basin to discharge and closing the valve 27. This operation of the valves is effected by providing upon one of the ends of the valve 27 a crank 33 and connecting the same by a link 34 to an arm 35, provided upon the rear of the basin-cover 16. The valve 20 is operated by connecting the rear end of its operating-rod 21 to the crank 33, as shown at 36.

Pivotally suspended from the inner or under side of the basin-cover 16 is a soap dish or receptacle 38. The latter, owing to its pivotal mounting, swings down into the basin when the cover 16 is closed, as shown in Fig. 2 of the drawings.

The operation and advantages of the invention will be readily understood from the foregoing description, taken in connection with the accompanying drawings. It will be seen that by simply swinging the basin-cover to its open position the discharge-valve in the bottom of the basin will be closed and the water-supply valve will be operated to permit the limited or predetermined amount of water in the measuring tank or receptacle 30 to pass into the bowl or basin and that when said cover is swung downwardly to its closed position the discharge-valve in the basin will be open to permit the water in the latter to pass into the waste or slop bucket, and the supply-valve will be operated to permit the measuring-tank 30 to be refilled from the supply tank or reservoir 5.

While I have shown and described the preferred embodiment of my invention, it will be understood that I do not wish to be limited to the precise construction herein set forth, since various changes in the form, proportion, and the minor details of construction may be re-

sorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

1. The combination of a supply tank or container, a measuring tank or container, a basin, a three-way valve having one branch in communication with said basin, another in communication with said supply-tank and the third in communication with said measuring-tank, a spring-seated discharge-valve for said basin, a crank upon said cover, a crank upon said discharge-valve, a link connecting said cranks and an operating rod or link connecting said spring-seated discharge-valve and the crank of said three-way valve.

2. A washstand comprising a supply-tank, a measuring-receptacle, a wash basin or bowl having a supply-pipe and a discharge-pipe formed with a valve-seat, a valve upon said seat, a three-way valve having its branches in communication with said supply-tank, said measuring tank or receptacle and the supply-pipe of said basin, a crank upon said three-way valve, a hinged cover for said basin, a crank upon said cover, a link connecting the cranks upon said valve and said cover, a link or flexible connection attached to the crank on said three-way valve and extending through an aperture in said discharge-valve, a spring upon said basin and secured to said rod to hold said discharge-valve upon its seat and an air-vent pipe for said measuring-receptacle, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

MARTIN TUFTY.

Witnesses:

I. WEIL,
L. KNAAK.