G. H. BRYANT.

WASHSTAND.

APPLICATION FILED JUNE 4, 1913.

1,105,960.

Patented Aug. 4, 1914.

2 SHEETS—SHEET 1.

Fig. 5.

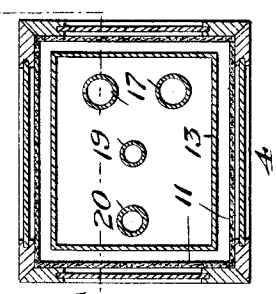


Fig. 6.

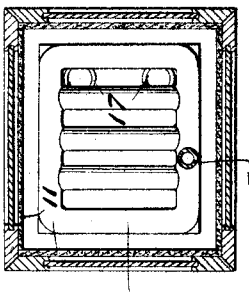


Fig. 7.

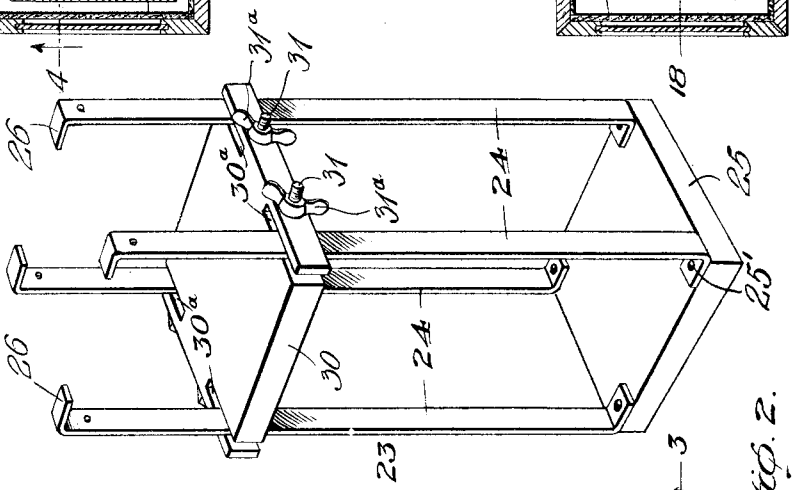


Fig. 2.

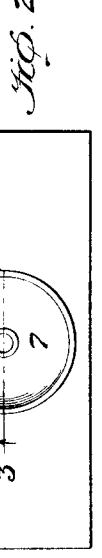
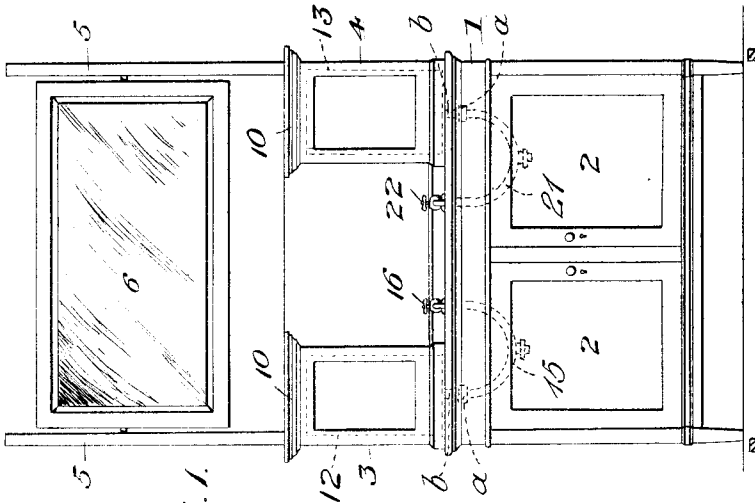


Fig. 1.



Inventor

George H. Bryant

Witnesses

By H. B. Williamson & Co

Attorneys

G. H. BRYANT.

WASHSTAND.

APPLICATION FILED JUNE 4, 1913.

1,105,960.

Patented Aug. 4, 1914.

2 SHEETS—SHEET 2.

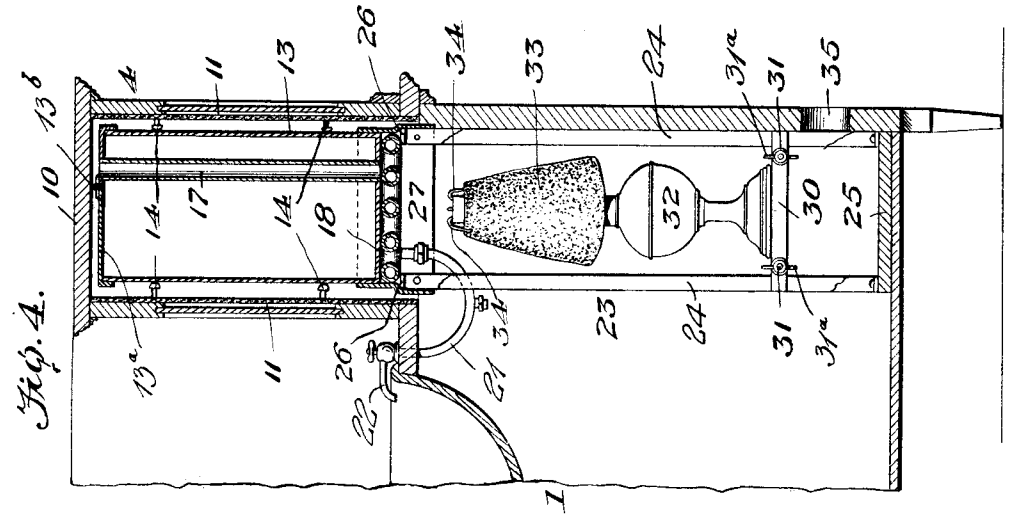


Fig. 4.

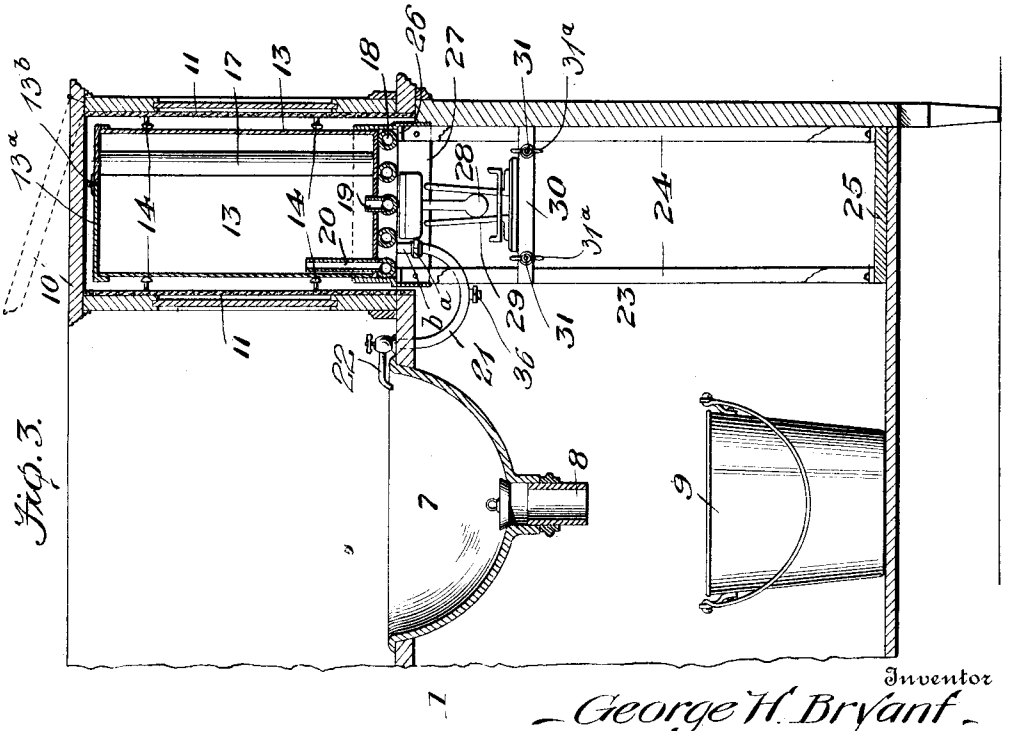


Fig. 3.

Inventor

George H. Bryant.

Witnesses

C. E. Hunt.

By A. B. Williamson & Co.

Attorneys

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

GEORGE H. BRYANT, OF WINDSOR, NORTH CAROLINA.

WASHSTAND.

1,105,960. Specification of Letters Patent. Patented Aug. 4, 1914.

Application filed June 4, 1913. Serial No. 771,764.

To all whom it may concern:

Be it known that I, GEORGE H. BRYANT, a citizen of the United States, residing at Windsor, in the county of Bertie and State of North Carolina, have 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 the same.

This invention relates to wash stands. Its object is to provide a wash stand containing a tank, and improved means whereby the water in the tank may be quickly heated.

With this end in view, the invention consists of certain novel features of construction, and the combination and arrangement of parts as will be more fully described and claimed.

In the accompanying drawings: Figure 1 is a front view of my improved wash stand; Fig. 2 is a top plan view thereof; Fig. 3 is an irregular vertical section of the stand taken on the line 3—3 of Fig. 2; Fig. 4 is a vertical sectional view through the lower portion of the stand and through the hot water tank showing another form of water heating apparatus taken on the line 4—4 of Fig. 5. Fig. 5 is a detail horizontal sectional view showing a portion of the stand and the water heating tank thereof; Fig. 6 is a bottom plan view of the water heating tank showing the arrangement of the heating coil beneath the same; Fig. 7 is a detail perspective view of the frame for supporting the water heating tank and coil in the wash stand.

My improved wash stand comprises a closed base portion 1 having in the front side thereof doors 2. Arranged on the base 1 preferably adjacent to each end thereof are cabinets 3 and 4 which are provided to contain the cold and hot water tanks of the stand. Secured to the rear sides of the cabinets 3 and 4 and projecting above the same are mirror supporting posts 5 between which are arranged a mirror 6. In the center of the top of the base portion 1 of the stand is formed an opening in which is arranged a stationary wash bowl 7 to the bottom of which is connected a waste pipe 8 leading to a pail or other receptacle 9 in the base of the wash stand as shown.

The cabinets 3 and 4 are preferably provided with hinged tops 10 which may be opened to afford access to the upper ends of the tanks therein. The cabinets are also provided with a lining 11 of asbestos or other fire-proof material. In the cabinet 3 is located a cold water supply tank 12 while in the cabinet 4 is located a hot water supply tank 13. The tanks 12 and 13 are somewhat smaller than the cabinets 3 and 4, thus forming between the tanks and the inner walls or lining of the cabinet an air space. The tanks are centered in the cabinets 3 and 4 or spaced from the inner surfaces thereof by short round head spacing screws 14 which are arranged in the inner sides of the cabinets as shown. The hot and cold water tanks are preferably formed of galvanized sheet metal and are provided with covers, the cover 13^a of the hot water tank 13 being preferably formed in sections one of which is apertured to receive the upper ends of the heating flues 17 which extend through this portion of the cover. The other or front section of the cover is hinged to the inner edge of the rear section as shown at 13^b and said hinged section is adapted to be swung upwardly for filling the tank and when thus swung upwardly serves as a shield to prevent any water from entering the heating flues 17 while the tank is being filled.

The cold water tank is connected by a cold water supply pipe 15 to a cold water spigot 16 arranged in the top of the central portion of the wash stand at the rear edge of the bowl 7 as shown. The hot water tank has connected to the bottom thereof a heating coil 18 which may be of any suitable design or construction and which is here shown as being substantially rectangular and as having a series of transverse water circulating pipes one of which near the center of the coil communicates as at 19 with the lower end of the heating tank through the bottom thereof as shown. Also connected with the coil 18 and extending upwardly to a higher point within the tank 13 is a water circulating pipe 20 by means of which and

the opening 19 the water in the tank is caused to circulate through the coil 18 as will be readily understood. The increased heating surface provided by the coil 18 and the heating flues 17 permits the water in the tank to be quickly heated by the heating apparatus placed beneath the same and hereinafter described. Connected to the lower side of the coil 18 is a hot water supply pipe 21 which is connected with a hot water spigot 22 arranged in the top of the stand adjacent to the rear edge of the bowl 7 as shown. The hot water pipe 21 which connects the hot water coil with the spigot 22 as well as the cold water supply pipe 15 which connects the cold water tank with the cold water spigot 16 are detachably connected with the coil by suitable unions *a* and nipples *b* whereby said pipes may be disconnected from the tanks when the latter are to be withdrawn from their cabinets.

The tank 12 is supported in the cabinet 3, in any suitable manner, while the tank 13 is supported in the cabinet 4 by a frame 23 comprising four supporting standards 24 of strap iron standing in two planes and having their lower ends bent inward at right angles to form feet 25′ which are secured to a base 25. The upper ends of the standards are also bent inward at right angles to form tank supporting lugs 26. The coil 18 of the hot water tank rests on the lugs 26, and secured to the outer side of the lower portion of the hot water tank and extending downwardly around the heating coil is a depending flange 27 which protects the adjacent portion of the inner side of the cabinet from the heat radiating around the coil from the upper end of the heating apparatus.

Any suitable form of heating apparatus may be employed for heating the water in the hot water tank and in Fig. 3 of the drawings the heating apparatus is shown as comprising an electrically heated sad iron 28 which is supported in an inverted position on the usual or any suitable supporting frame 29 which in turn rests on and is supported by a shelf 30 adjustably secured to the supporting bars or standards 24 of the frames 23. The shelf 30 has in its opposite ends and near its side edges two pairs of vertical slits 30ª which receive the standards 24. Arranged through the body portion and slitted ends of the shelf are clamping bolts 31 having thumb nuts 31ª which when screwed upon the bolts compress the slitted sides of the shelf against the standards and thereby securely grip or clamp the latter and thus hold the shelf in its adjusted position for supporting the sad iron at the desired elevation. When it is desired to remove the shelf all four thumb nuts are loosened and the shelf tilted so that its slits disengage the strap iron standards, after which the shelf may be turned aside and withdrawn out of the base. Ordinarily, however, the shelf may be permitted to remain within the frame, in which it is adjusted as the size and shape of the heater require. The iron when thus arranged is preferably supported so that the face of the iron comes into contact with the lower side of the heating coil 18 and thus heats the water therein and in the tank.

In Fig. 4 of the drawing is shown a different form of heating apparatus which in this instance comprises a lamp 32 of the usual or any suitable construction and which may be placed on the base 25 of the supporting frame or on the shelf 30 which is set at the proper elevation on the standards 24 for supporting the lamp at the proper position. In order to protect the inner surface of the lower portion of the cabinet from the heat radiated by the sides of the lamp chimney and burner, I preferably provide a frustoconical shield 33 which is placed around the chimney and burner of the lamp and which may be formed of any fireproof or heat resisting material. The shield 33 may be supported in any suitable manner but is here shown as having secured to its upper edge a series of supporting hooks 34 which are engaged with the upper end of the chimney and thus support the shield in position around the same. At a suitable position in the base of the cabinet are formed ventilating openings 35 through which air is admitted to the lamp when the latter is employed for heating the coil.

While I have herein shown and described two methods for heating the coil of the hot water tank, it is obvious that I may employ any other suitable form of heating apparatus. The water conducting pipes from the tanks will be provided with drain openings closed by suitable plugs as shown at 36 whereby the water may be drawn therefrom and from the tanks to prevent the latter from freezing or for any other purpose.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention as claimed.

Having thus described my invention, what I claim is:

A device of the character set forth comprising a base, two pairs of strap-iron standards disposed in planes through the edges of said base and having their lower ends turned inward into feet secured to such base,

their upper ends being turned inward into lugs to support water heating coils, a shelf having two pairs of upright slits cut in its corners and loosely embracing said pairs of standards, screws in the body portion of said shelf and projecting through its slitted ends, and thumb nuts on said screws, for the purpose set forth.

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

GEORGE H. BRYANT.

Witnesses:
N. L. COLLAMER,
J. E. GILES.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."