

No. 777,553.

PATENTED DEC. 13, 1904.

J. SMITH.

FASTENING DEVICE FOR STATIONARY WASHBASINS.

APPLICATION FILED MAR. 28, 1904.

NO MODEL.

Fig 1.

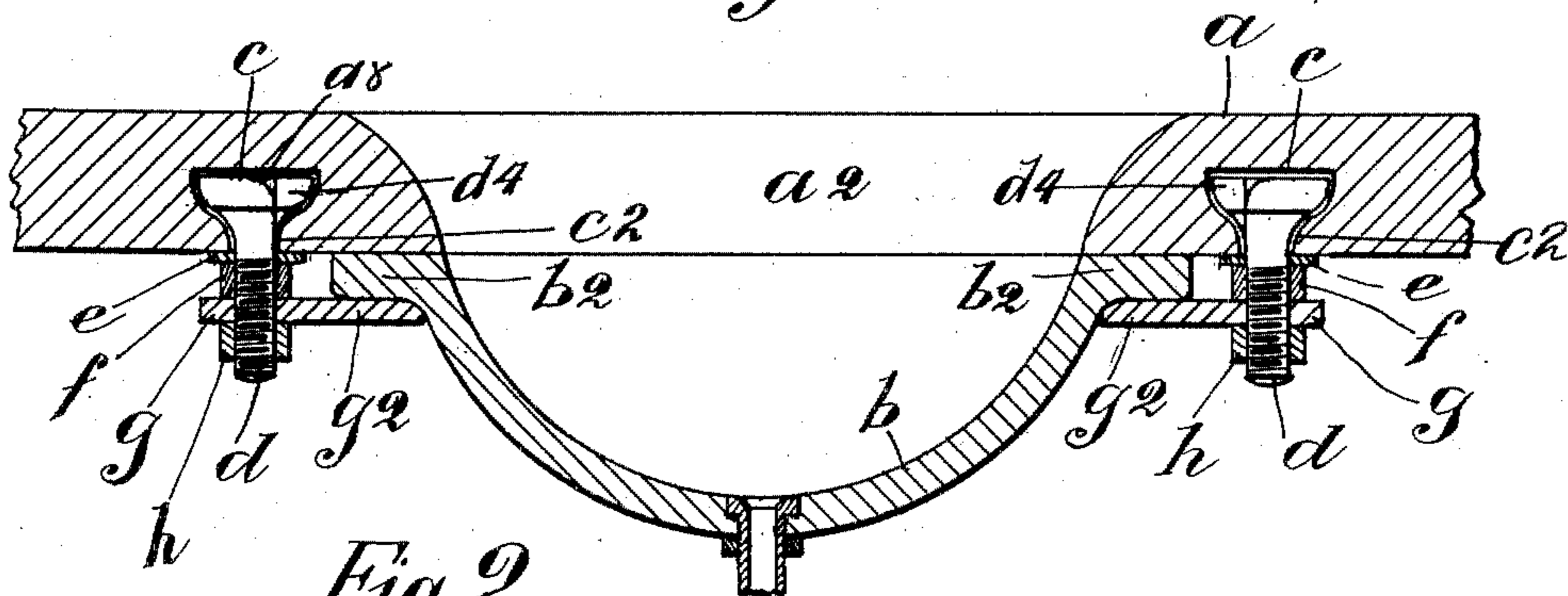
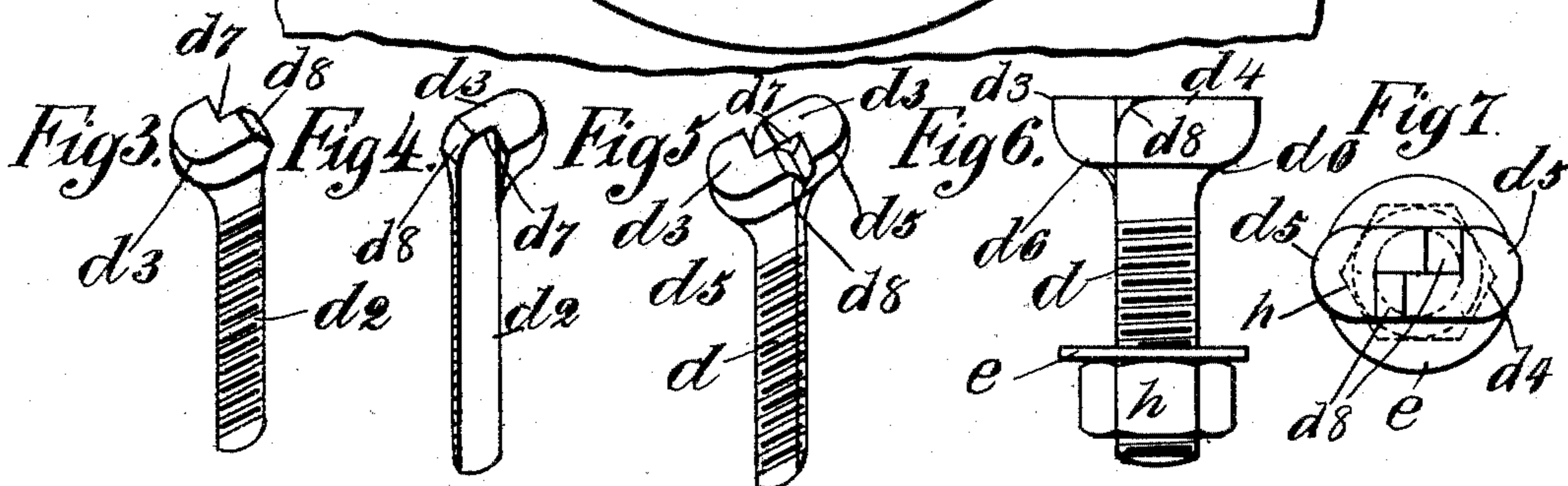
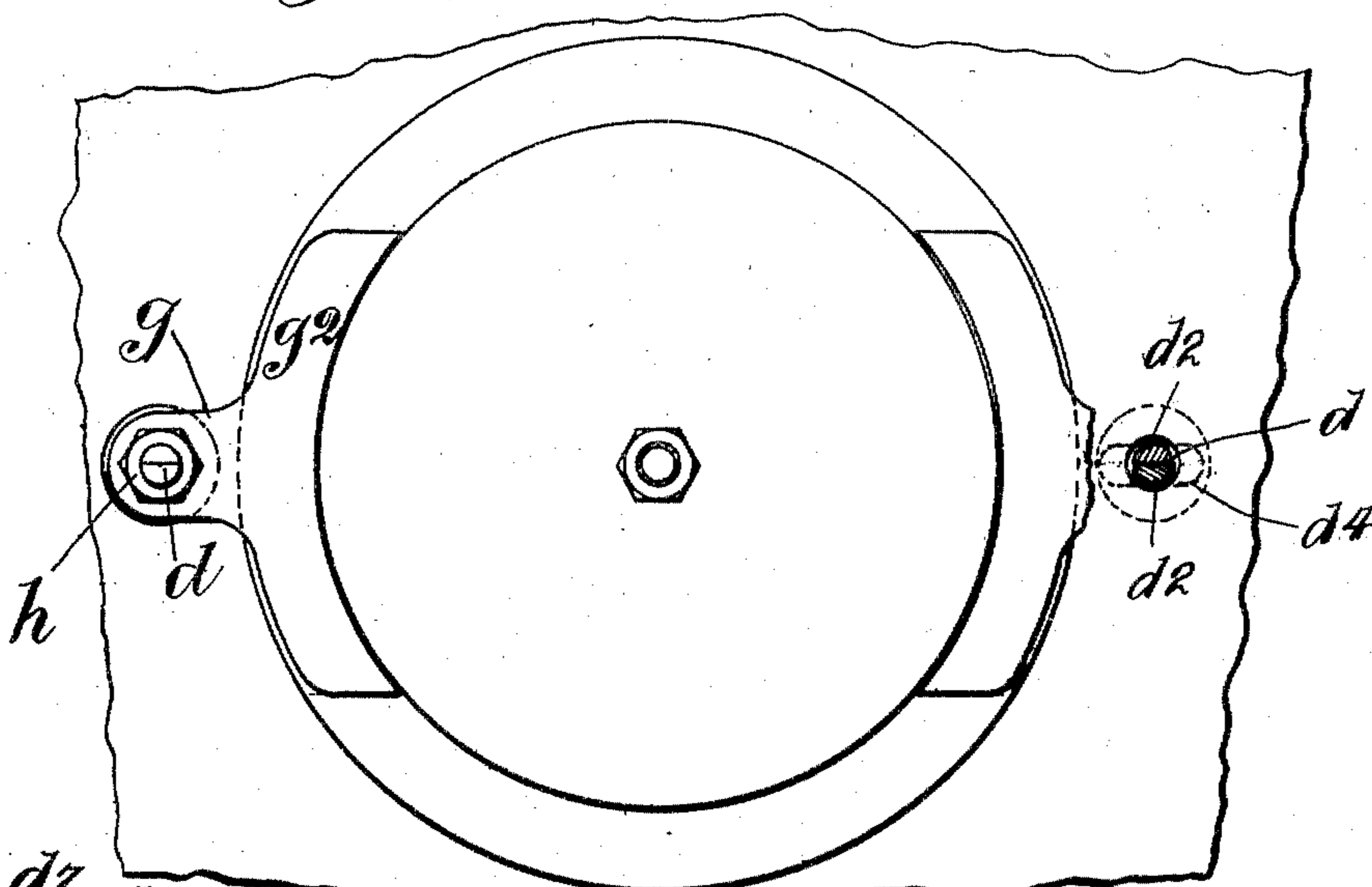


Fig 2.



WITNESSES

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## UNITED STATES PATENT OFFICE.

JOSEPH SMITH, OF NEW YORK, N. Y.

## FASTENING DEVICE FOR STATIONARY WASHBASINS.

SPECIFICATION forming part of Letters Patent No. 777,553, dated December 13, 1904.

Original application filed August 29, 1903, Serial No. 171,305. Divided and this application filed March 28, 1904. Serial No. 200,330. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH SMITH, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Fastening Devices for Stationary Washbasins, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide improved fastening devices for securing stationary washbasins to the bottom of a marble slab or table, a further object being to provide fastening devices of this class which may also be used for securing the basin of a water-closet to a marble or similar floor-plate; and with these and other objects in view the invention consists in a device or devices of the class specified constructed as hereinafter described and claimed.

This application is a division of an application for Letters Patent of the United States filed by me on the 29th day of August, 1903, Serial No. 171,305, and the invention described and claimed herein is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which—

Figure 1 is a section front view of a washbasin secured to the bottom of a marble slab or table by means of my improved fastening device or devices; Fig. 2, a bottom plan view thereof; Fig. 3, a perspective view of one part of a screw which I employ and which constitutes the chief feature of this invention; Fig. 4, a perspective view of another part of said screw; Fig. 5, a perspective view showing the screw complete; Fig. 6, a side view of said screw and showing the nut or washer with which said screw is provided, and Fig. 7 a plan view thereof.

In the drawings forming part of this specification I have shown at *a* a marble slab or table similar to those employed in connection with stationary washbasins and at *b* a washbasin supported thereunder, and said marble

slab or table is provided with the usual hole or opening *a*<sup>2</sup>, beneath which the basin *b* is placed. The basin *b* is provided with the usual top flange or rim *b*<sup>2</sup>, and in the bottom of the slab or table *a*, adjacent to the flange or rim *b*<sup>2</sup> of the basin *b*, I form holes *c*, this operation being performed by means of a reamer described and claimed in the United States application for Letters Patent, Serial No. 171,305, hereinbefore referred to.

The invention which constitutes the subject-matter of this application consists of a screw *d*, which is used for securing the basin in place and this screw consists of two similar longitudinal parts *d*<sup>2</sup>, as shown in Figs. 3 and 4, each of the parts *d*<sup>2</sup> being provided with a head member *d*<sup>3</sup> and said head members being adapted to interlock, as shown in Fig. 5, and together form the complete head *d*<sup>4</sup> of the screw. The adjacent surfaces of the head members *d*<sup>3</sup> of the separate parts of the screw *d* are provided with parallel rabbet-grooves forming corresponding interlocking shoulders or projections, and the complete head of the screw is divided at right angles to the line of division of the separate parts *d*<sup>2</sup> of the screw, and the complete head of the screw is oblong in form and the ends thereof are round or segmental in form, as shown at *d*<sup>5</sup>, and the bottom part of the head is gradually curved inwardly, as shown at *d*<sup>6</sup>.

It will be observed that the holes *c* in the slab or table *a* are of the same form in cross-section as the head of the screw *d* in longitudinal section, and in practice the heads of the separate parts of the screw are inserted separately into the hole *c* or one of said holes, and the said separate parts of the screw are then swung together, as shown in Fig. 1. A washer *e* is then passed thereonto, which binds on the washer and clamps the screw to the table or slab and firmly holds it in position. A plate *g* is then placed on the screw and is secured thereon by a nut *h*, and the plate *g* is provided with a segmental arm *g*<sup>2</sup>, which fits beneath the flange or rim *b*<sup>2</sup> of the basin *b*.

In the drawings forming part of this specification two of the screws *d* are employed; but it will be apparent that any desired num-

ber thereof may be used. In this way I provide a fastening device or devices for the purpose specified which is simple in construction and operation and by means of which the  
 5 basin  $b$  may be securely held in position without breaking or injuring said basin, and in this way a basin may be secured to the bottom of a marble slab or table without detaching the slab or table, all that is necessary being  
 10 to ream out the holes  $c$  and place the screw or screws in position, as herein shown and described.

In the form of construction shown the head members  $d^3$  of the separate parts  $d^2$  of the  
 15 screw  $d$  are provided in one side with a rectangular recess  $d^7$ , so that said heads will interlock when the separate parts of the screw are put together, and the corners at  $d^8$  are rounded or beveled off, so as to facilitate the inser-  
 20 tion of the separate head members  $d^3$  into the hole or holes  $c$  in the slab or table  $a$ ; but the entrance  $c^2$  into the hole or holes  $c$  may be made larger, if desired, and said hole or holes may be made larger, in which event it would not  
 25 be necessary to make the corners at  $d^8$  round or beveled, and the hole or holes  $c$  may be made of different shapes in cross-section, as may also the head  $d^4$  of the screw or screws, the shape of the hole or holes  $c$ , as will be un-  
 30 derstood, depending on the particular form or shape of the reaming-tool employed or of the cutter or cutter-blades thereof. It will also be apparent that the screws  $d$  may be employed for securing a water-closet basin to a  
 35 marble or similar slab or floor-piece, the only difference being that the hole or holes  $c$  are formed in the top of the said slab or floor-

piece and the screws  $d$  are placed in an upright instead of in an inverted position.

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

1. A fastening device for the purpose specified, consisting of a screw composed of two  
 similar longitudinal shank parts, said parts 45  
 being provided at one end with oblong interlocking head members, the head members being separated transversely of the plane which separates the shank parts, and the head mem-  
 bers being provided in their adjacent surfaces 50  
 with rabbet-grooves and corresponding shoulders or projections, substantially as shown and described.

2. A fastening device for the purpose specified, consisting of a screw composed of two 55  
 similar longitudinal shank parts, said parts being provided at one end with oblong interlocking head members, the head members being separated transversely of the plane which separates the shank parts, and the head mem- 60  
 bers being provided in their adjacent surfaces with rabbet-grooves and corresponding shoulders or projections, and the complete head being oblong in form and the bottom surface  
 thereof being curved or rounded in cross-section, substantially as shown and described. 65

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 25th day of March, 1904.

JOSEPH SMITH.

Witnesses:

F. A. STEWART,  
 C. J. KLEIN.