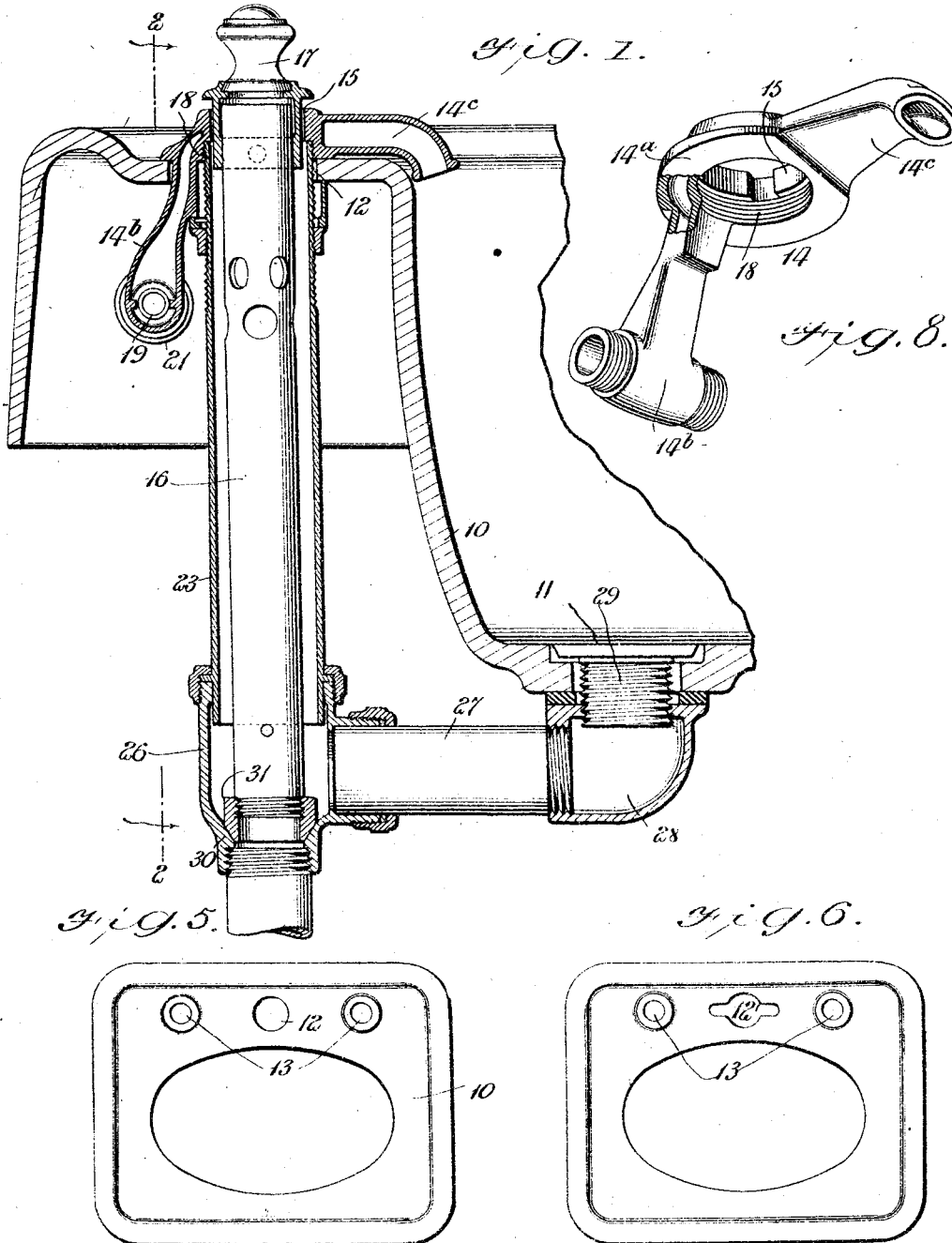


W. A. SPEAKMAN.
COMBINATION SUPPLY AND WASTE FIXTURE FOR LAVATORIES.
APPLICATION FILED OCT. 23, 1913.

1,086,949.

Patented Feb. 10, 1914.

2 SHEETS—SHEET 1.



WITNESSES
F. C. Barry
Geo. L. Bell

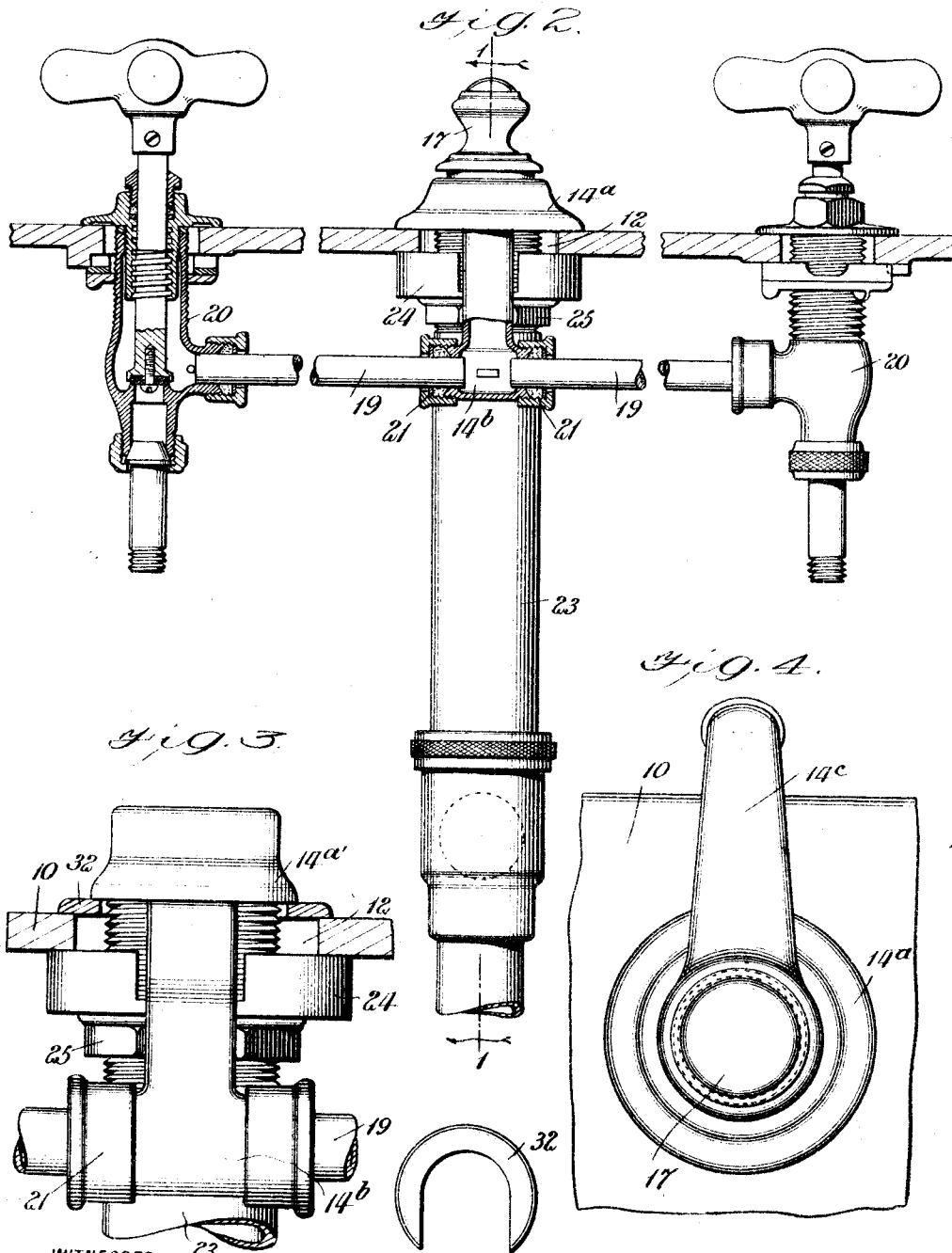
INVENTOR
Willard A. Speakman
BY Myrmec
ATTORNEYS

W. A. SPEAKMAN.
COMBINATION SUPPLY AND WASTE FIXTURE FOR LAVATORIES.
APPLICATION FILED OCT. 23, 1913.

1,086,949.

Patented Feb. 10, 1914.

2 SHEETS—SHEET 2.



WITNESSES
F. E. Barry
Geo. D. Beeler

Fig. 7.
INVENTOR
Willard A. Speakman
BY Myer & Co.
ATTORNEYS

UNITED STATES PATENT OFFICE.

WILLARD A. SPEAKMAN, OF WILMINGTON, DELAWARE, ASSIGNOR TO SPEAKMAN
SUPPLY & PIPE CO., OF WILMINGTON, DELAWARE, A CORPORATION OF DELAWARE.

COMBINATION SUPPLY AND WASTE FIXTURE FOR LAVATORIES.

1,086,949.

Specification of Letters Patent. Patented Feb. 10, 1914.

Application filed October 23, 1913. Serial No. 796,853.

To all whom it may concern:

Be it known that I, WILLARD A. SPEAKMAN, a citizen of the United States, and a resident of Wilmington, in the county of Newcastle and State of Delaware, have invented a new and Improved Combination Supply and Waste Fixture for Lavatories, of which the following is a full, clear, and exact description.

10 This invention relates to plumbing fixtures and has particular reference to attachments for lavatories, bathtubs or the like.

Among the objects of the invention is to provide a combination hot and cold water fixture for lavatories of an unusually simple and neat design whereby the manipulation of the fixture is facilitated and the device rendered more reliable than previous devices.

20 A further object of the invention is to provide a water supply fixture for lavatories which is adapted to be used in connection with standard basins without alteration thereof.

25 The foregoing and other objects of the invention will hereinafter be more fully described and claimed and illustrated in the drawings forming a part of this specification in which like characters of reference indicate corresponding parts in all the views, and in which—

30 Figure 1 is a vertical section on the line 1—1 of Fig. 2; Fig. 2 is a view at right angles to Fig. 1, taken substantially on the line 2—2 of Fig. 1; Fig. 3 is a view corresponding to Fig. 2 and indicating a modification of delivery nozzle; Fig. 4 is a plan view of the nozzle and waste valve; Figs. 5 and 6 are diagrammatic plan views of different forms of standard basins; Fig. 7 is a plan view of the supporting washer described below; and Fig. 8 is a detailed perspective view of the combination nozzle.

35 The several parts of the device may be made of any suitable materials, and the relative sizes and proportions, as well as the general design of the mechanism, may be varied to a considerable extent without departing from the spirit of the invention hereinafter more fully set forth and specifically claimed.

Referring particularly to Figs. 1 and 2, the numeral 10 indicates a standard form of lavatory basin having a waste opening 11 in its bottom and provided at the rear por-

tion of its top with a hole 12 for the waste valve, and other holes 13 for the hot and cold water spigots. Fig. 5 shows one form of standard basin and Fig. 6 shows another form which has an opening 12' with slotted sides for the accommodation of a known type of combination fixture, the slotted ends being provided for the purpose of accommodating the hot and cold water connections which lead upwardly to the nozzle from beneath. The ordinary practice in plumbing establishments is to either keep both forms of basins in stock so as to meet the various demands of the trade, or else the type shown in Fig. 5 must be machined so as to transform the hole 12 into that form of hole 12'. This is a costly and troublesome expedient after the basin is manufactured and finished. I provide, therefore, as shown, a peculiar form of nozzle 14 comprising a hollow annular head 14^a, a receiving T 14^b communicating with the rear portion of said head, and a delivery member 14^c leading into the basin. This construction of combination nozzle provides a central vertical seat 15 for the waste pipe or valve stem 16 having at its upper end a knob 17. It also provides a neat and compact means for delivering hot or cold water or both to and through the nozzle and through the standard hole 12 which is ordinarily a two inch hole. The bottom of the nozzle head 14^a is substantially flat and is fitted to the upper surface of the basin. This head, however, is provided with an internal thread, as shown at 18, in an annular rabbet formed adjacent said basin.

40 The T 14^b is of a size to accommodate the water pipes 19 leading from the cocks 20. The lateral projecting ends of the T are adapted to receive packing glands 21 to complete the connection between the pipes 19 and the T after the T has been introduced downwardly through the hole 12. The outer pipe 23 of the waste fixture is screw threaded at its upper end into the head 14^a, as shown in Fig. 1, and the connection between the head and the basin is completed by means of a waste washer 24 held in place by a lock nut 25.

45 The lower end of the waste pipe 23 is connected by means of a waste T 26 to the waste arm 27. The arm 27 is connected with the bottom of the basin by means of a strainer L 28 and a strainer 29. Said waste T 26 includes a valve seat 30 for coöpera-

tion with a valve 31 carried by the lower end of the inner pipe 16. The cocks 20 may be of any ordinary or approved construction and control the delivery of hot and cold water into and through the pipes 19 into the combination nozzle, all of the water being delivered through the single pipe or nozzle 14^a.

The slight modification of Fig. 3 shows the same general plan, namely, the nozzle provided with an annular head 14^a and a receiving T 14^b communicating therewith. The head of this form of combination nozzle is made relatively smaller than the other and is therefore adapted to pass upwardly through the opening 12 in the basin. This nozzle is maintained in elevated position, therefore, by a horseshoe shaped washer 32 slipped between the base thereof and the upper surface of the basin. The manner of securing the nozzle in place is substantially the same as above described, including the waste washer 24 and lock nut 25.

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

1. The combination with a lavatory basin having a plurality of vertical holes through the top, of a combination nozzle fixture therefor including hot and cold water cocks secured in certain of said holes, the combination nozzle comprising a hollow annular head located above the upper surface of the basin and extending through the remaining hole, a waste pipe connected to said head and extending downwardly therefrom, a waste

valve in said pipe, connections between the bottom of the basin and said pipe, said nozzle head having a receiving T communicating therewith alongside of said waste pipe and located in the same basin hole therewith, and means to deliver hot and cold water into said receiving T.

2. As an article of manufacture, a combination nozzle of the character set forth comprising a hollow annular head providing a circular passageway for hot or cold water, a receiving T connected to and communicating with one portion of said head passageway, and a delivery spout communicating with and extending from another portion of said head.

3. The herein described lavatory fixture comprising a combination nozzle including a hollow annular head having an internal thread, a receiving T communicating with the rear portion of said head, and a delivery spout extending from the front portion of the head, means to secure the nozzle to a standard basin, said securing means including a main waste pipe having engagement in said nozzle head thread, locking devices cooperating with said waste pipe, and means to deliver hot and cold water to and through said receiving T, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLARD A. SPEAKMAN.

Witnesses:

THOMAS H. BUCKLEY,
ALBERT V. GEMMILL.