D. E. DAY.

SANITARY DRINKING FOUNTAIN.

APPLICATION FILED JUNE 5, 1912.

1,096,021. Patented May 12, 1914.

Fig. 1.

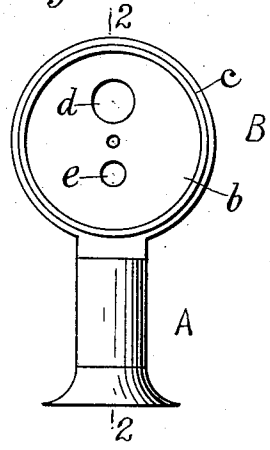

Fig. 5.

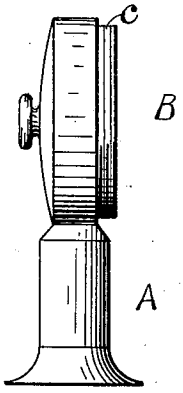

Fig. 2.

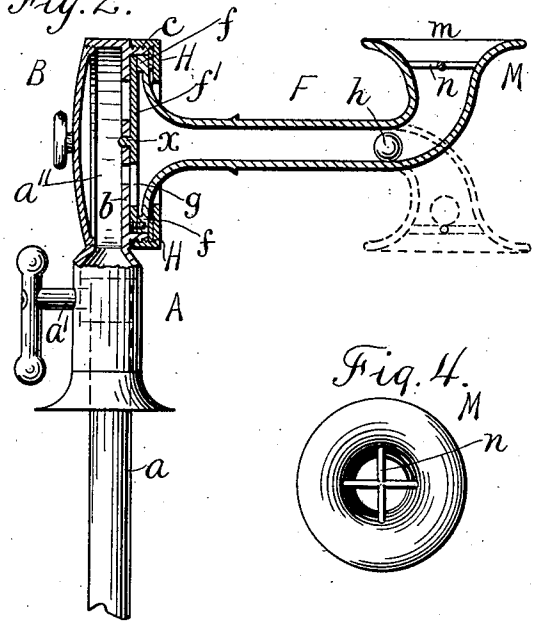

Fig. 3.

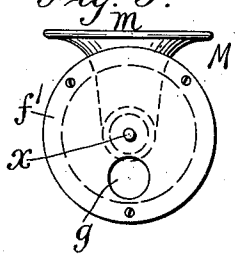

Fig. 4.

WITNESSES

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UNITED STATES PATENT OFFICE.

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SANITARY DRINKING-FOUNTAIN.

1,096,021. Specification of Letters Patent. Patented May 12, 1914.

Application filed June 5, 1912. Serial No. 701,782.

To all whom it may concern:

Be it known that I, DAVID E. DAY, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Sanitary Drinking-Fountains, of which the following is a specification.

This invention relates to a sanitary drinking fountain or faucet.

The object of my invention is to provide an individual drinking fountain which is simple and inexpensive in construction, and which can be conveniently and effectively used as a drinking faucet with a restricted gentle flow of water, or as a discharge faucet for drawing a full stream of water into a basin or other vessel.

The matter constituting my invention will be defined in the claims.

The details of construction of my fountain are shown in the accompanying drawings, in which—

Figure 1 represents a front view of a stand or fitting showing a fixed perforated disk, with the turning nozzle removed. Fig. 2 represents a sectional elevation on line 2—2, Fig. 1. Fig. 3 represents the inner end view of the turning nozzle showing the movable disk. Fig. 4 represents the outer end view of the nozzle. Fig. 5 represents an elevation of the stand and casing.

A suitable stand or fitting A is provided with a circular head or casing B, having a fixed disk *b* and a chamber *a''*. An ordinary water pipe *a*, having a faucet valve *a'* connects with the casing B, opening into the chamber *a''*. The exterior of the casing is preferably screw-threaded at *c* to receive a coupling sleeve or collar H, which is internally screw-threaded for the purpose of connecting the turning nozzle to the head. The fixed disk *b* may be cast with the head or applied to it in any well known manner, and is provided at one side of the center with a comparatively large opening *d*, and at the other side of the center, preferably diametrically opposite, with a comparatively small opening *e*. The turning nozzle F is made with a flange *f* at its inner end, to which is applied a disk *f'* adapted to lie flat against the fixed disk *b*. The disk *f'* is provided with a single opening *g* of the same size as the larger opening *d*, and in position to exactly register therewith when the nozzle is turned to discharge a full flow of water downward into a basin, also to register with the small opening *e* when the tip is turned to serve as a drinking fountain. A center pin *x* may be secured in disk *f'*, to be inserted in a center hole in the disk *b*. The outer discharge end or tip M of nozzle F is curved and made with a flaring opening *m* to form a drinking fountain, and below or within its edge is provided with cross bars *n* to retain a ball *h*, which serves for retarding a strong flow of water to the discharge opening or fountain tip M. Evidently the tip M may be made as a separate piece and screwed onto or into the straight body portion as indicated. The coupling sleeve H is made with a large center opening to receive the body portion of the nozzle F, and with internal screw threads to engage with the threaded portion *c* of the head. Packing rings or gaskets may be used where required to make tight joints between the parts.

The parts may be readily assembled and adjusted by an unskilled person. When it is desired to operate the device as a drinking fountain, when only a gentle bubbling overflow at the mouth *m* is desired, the faucet is turned with the tip M up and with the opening *g* in its disk *f'* registering with the small opening or water outlet *e* in disk *b*, as shown in full lines in Fig. 2. Only a half stream will now be discharged and the water will rise sufficiently in the flaring tip to enable a person to drink therefrom without touching his lips to the metal. Of course the faucet valve *a'* will at this time be turned open. When it is desired to draw water into a basin or other vessel the faucet is turned with the tip M down, as indicated by dotted lines, when the opening *g* will coincide with the large opening *d* in disk *b* and a full stream of water will be discharged. The ball *h* will now rest on the cross bars *n* and will not materially retard the outflow of water.

Having described my invention, what I claim and desire to secure by Letters Patent is:

1. A drinking fountain comprising a chambered head or casing having a fixed disk provided with two openings diametrically opposite, one of which is larger for a full flow of water and the other of which is smaller for a restricted flow of water, a turning faucet having a disk provided with a single opening at one side of the center and having at its outer end a curved tip to serve

as a drinking fountain, and a union coupling connecting the faucet with the head with the disks in contact, whereby the faucet may be turned to cause the single opening in its disk to register with either opening in the fixed disk for discharging either a full stream or a restricted slow stream of water, through the faucet.

2. The combination with a chambered head or casing having in one face a fixed disk provided with two openings diametrically opposite of different size and one above the other, of a turning faucet having at its inner end a disk provided with a single opening off from the center, and at its outer end a curved flaring tip, and a union coupling sleeve connecting the turning faucet to the head with said disks in contact for permitting the faucet to be turned with the tip either up or down and for causing the single opening in its disk to register with either opening in the fixed disk.

3. The combination with a chambered head or casing having in one face a fixed disk provided with diametrically opposite openings of different size and one above the other, of a turning faucet having at its inner end a disk provided with a single opening in position to register with either opening in the fixed disk, and at its outer end a curved flaring tip and cross bars, a ball in the faucet and a union coupler connecting the faucet with the head with the disks in contact.

In testimony whereof I affix my signature in presence of two witnesses.

DAVID E. DAY.

Witnesses:
WILLIAM T. MCCLOSKY,
P. O. ROGERS.

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