

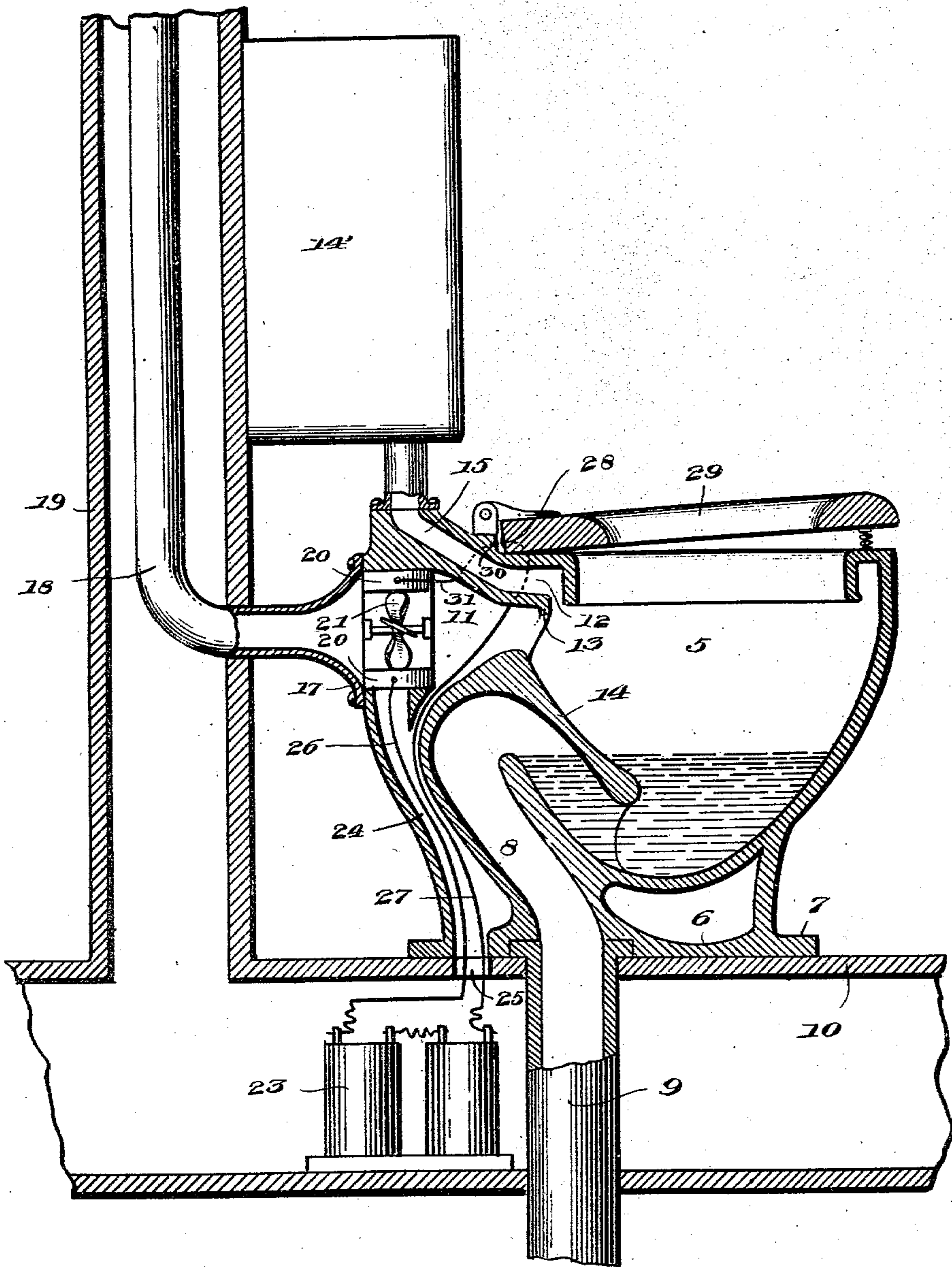
No. 688,234.

Patented Dec. 3, 1901.

S. C. BROWN.
WATER CLOSET.

(Application filed Mar. 19, 1901.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

SCHUYLER C. BROWN, OF SARATOGA SPRINGS, NEW YORK.

WATER-CLOSET.

SPECIFICATION forming part of Letters Patent No. 688,234, dated December 3, 1901.

Application filed March 19, 1901. Serial No. 61,898. (No model.)

To all whom it may concern:

Be it known that I, SCHUYLER C. BROWN, a citizen of the United States, residing at Saratoga Springs, in the county of Saratoga and State of New York, have invented a new and useful Water-Closet, of which the following is a specification.

This invention relates to ventilators for water-closets; and it has for its object to provide a closet-bowl constructed to receive a ventilating-fan and its actuating-motor, a further object of the invention being to provide a construction wherein the fan, its motor, and the wires leading to the motor will all be concealed, so that there will be no unsightly appearance.

In the drawing forming a portion of this specification there is shown a closet-bowl in section constructed and equipped in accordance with the present invention.

Referring now to the drawing, there is shown a closet-bowl including a body portion 5, having a base 6, adapted to rest upon the floor and provided with the usual attaching-flange 7, and from the body of the bowl there leads a siphon 8, with which is connected the waste-pipe 9, passed through the floor 10, upon which the bowl is disposed. It will be noted that the highest point of the siphon is somewhat lower than usual to permit of the formation of a chamber 11, which lies above and behind the upper portion of the siphon and is what may be termed a "fan-chamber," for the reason that in it are disposed the fan and its operating-motor, hereinafter more specifically referred to.

The fan-chamber 11 communicates with the body of the bowl at a point directly over the siphon, said communicating opening ranging slightly downwardly, so as not to receive any water from the flushing-inlet 12, which is directly thereabove, a drip-flange 13 being formed at the upper side of the opening between the chamber and bowl-body, so that the drip will drop onto the wall 14, behind which the siphon is formed. A flushing-tank 14', of any suitable form, is provided and communicates with the passage 15, leading to the opening 12, and it will be understood that the tank forms no part of the invention and that the bowl may be flushed in any manner desired.

The rear end of the fan-chamber 11 is open, as shown, and connected with the bowl and covering this opening is the flared end 17 of the vent-pipe 18, which passes into the partition 19 and upwardly through the wall in the usual manner. To establish a draft upwardly through the vent-pipe, a fan and operating-motor are provided, the motor being shown at 20 as disposed in the chamber 11 and having a fan-wheel 21 arranged in such position and having such shape that when the motor is energized the fan-wheel will be rotated and will draw gases from the body of the closet-bowl and will force them into and upwardly through the vent-pipe.

The battery 23 for energizing the motor is located in the floor, and through the rear portion of the bowl, between the rear faces thereof and the siphon, there is formed a passage 24, leading from the chamber 11 downwardly and through the base of the bowl to register with an opening 25 in the floor, and the circuit-wires 26 and 27 are taken from the battery upwardly through this passage, the wire 26 being connected directly with the motor, the wire 27 being taken through an opening in the upper wall of the chamber at one side of the inlet or flushing passage and connected with a contact 28 upon the closet-seat 29. The contact 28 when the seat is depressed, as when occupied, engages a fixed contact 30, connected by wire 31 with the second terminal of the motor, and thus when the seat is occupied the circuit of the battery will be closed through the motor and the latter will be operated to rotate the fan and ventilate the bowl, carrying all foul odors away.

It will be understood that in practice modifications of the specific construction shown may be made and that any suitable materials and proportions may be used without departing from the spirit of the invention.

What is claimed is—

1. A closet-bowl having a waste-pipe and a flushing-passage, and a separate ventilating-passage formed between the waste-pipe and flushing-passage, the said ventilating-passage having a chamber included thereby, a vent-pipe connected to the said chamber, a fan located in the chamber, and an electric motor for operating the fan, the circuit in which the fan is included being closed for ac-

tuating the fan by a depression of the closet-seat.

2. A closet-bowl having a ventilating-passage formed through a wall thereof and including a chamber adapted to receive a ventilating-fan, said bowl having also a wire-receiving passage communicating with the chamber and opening outwardly from the bowl.

3. A closet-bowl having a waste-pipe and a flushing-passage, a ventilating-chamber in a wall of the bowl and opening into the bowl between the flushing-passage and waste-pipe, and a passage formed through the wall of the bowl exterior to the inclosure of the bowl to receive circuit-wires.

4. The combination with a closet-bowl having a ventilating-passage opening through a wall thereof and including a chamber and having a second passage opening from the chamber outwardly of the bowl, of an electric motor disposed in the chamber and having a ventilating-fan, and circuit-wires passed through the second passage and connected with the motor.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

SCHUYLER C. BROWN.

Witnesses:

A. F. BURDICK,
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