J. PALMER.

CLOSET ATTACHMENT.

APPLICATION FILED JUNE 28, 1912.

**1,150,301.**

Patented Aug. 17, 1915.

Fig. 1.

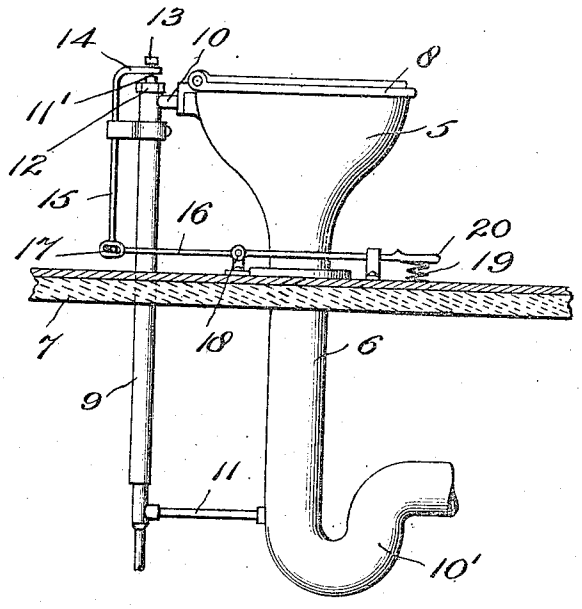
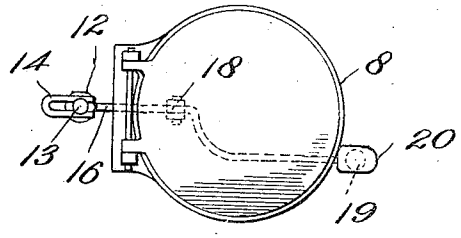



Fig. 2.




Witnesses:
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# UNITED STATES PATENT OFFICE.

JAMES PALMER, OF MADISON, NEW JERSEY.

## CLOSET ATTACHMENT.

1,150,301. Specification of Letters Patent. Patented Aug. 17, 1915.

Application filed June 28, 1912. Serial No. 706,500.

*To all whom it may concern:*

Be it known that I, JAMES PALMER, a citizen of the United States, residing at Madison, in the county of Morris and State of New Jersey, have invented new and useful Improvements in Closet Attachments, of which the following is a specification.

The general object of the invention is to improve the construction of the flushing apparatus for closets such as are used in garages, yards and other out door places which are not heated in cold weather. And to this end the invention consists in connecting the valve which controls a passage of the water to the closet bowl, with a lever arranged so as to be operated with the foot, whereby to admit the convenient flushing of bowl whenever desired.

Other objects will appear and be better understood from that embodiment of my invention of which the following is a specification, reference being had to the accompanying drawings forming part hereof, in which;

Figure 1 is a side elevation of an out-door closet with my invention applied thereto. Fig. 2 is a plan of Fig. 1.

In the drawing the closet is designated generally by *a* the bowl 5 being attached to the upper end of the waste pipe 6 which passes through an opening in the floor 7. The seat 8 swings on a pivot at the rear part of the bowl 5 and by preference is held when not in use in the vertical position by any suitable means such as spring (not shown). The supply pipe 9 extends vertically upward and is located to the rear of bowl 5 to which it is connected by a branch pipe 10 which conveys the water from the pipe 9 into the bowl 5. The valve (not shown) which controls the passage of the water to bowl 5 is located in the pipe 9 at a point substantially in horizontal alinement with goose-neck 10′ and the branch pipe 11 connected with the pipe 9 at a point a trifle above the said valve and with one leg of the goose-neck 10′. Since that portion of the pipe 9 where the valve (not shown) is located, and the goose-neck 10′, are concealed below the floor 7 or in such other place that will in cold weather be warmer than the place where the bowl and upper part of the pipe are located, it will be seen that when the valve is closed and the water above the valve in the pipe 9 drains through the pipe 11 into the goose-neck 10′, the liability of the closet becoming inoperative through the freezing of the liquid will be reduced to a minimum.

The stem 11′ of the valve extends through a suitable collar 12 on the upper end of the pipe, and is provided with a head 13. A yoke 14 engages the head 13. A vertically disposed rod 15 is connected to the yoke 14 and is operated by a lever 16 to which it is connected by a pin and slot connection 17. The fulcrum 18 provides a bearing for the lever 16 and a coil spring 19 bears on a tread plate 20 on the outer end of the lever and serves to yieldingly hold the lever and the rod 15 in the position shown. From the foregoing the operation of the device will be understood. The flushing of the bowl will continue as long as the valve (not shown) is unseated. The unseating of the valve is brought about by bringing to bear on tread 20 sufficient pressure to compress the spring 19. This will have the effect of rocking the lever 16 and moving the rod 15 upwardly. Upon the upward movement of the rod 15 the yoke 14 abuts the head 13 and as the upward movement of rod continues, the yoke effects the lifting of the stem 11′ and the unseating of the valve. When the pressure is removed from the tread plate 20 the valve gravitates to closed position and in doing this is aided by spring 19 which operates to restore the lever and rod to their normal positions.

What is claimed as new is:

A fixture comprising a vertical supply pipe, a valve stem extending above the end of the pipe and having a head, a rod slidably mounted for movement longitudinally of the pipe and guided from the pipe and having at its end an angularly disposed yoke which engages under the head, and a lever fulcrumed adjacent the pipe at one side thereof and disposed transversely of the pipe and pivotally connected with the rod at the opposite side of the pipe.

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

JAMES PALMER.

Witnesses:

MADELEINE MICHEL,

JOHN A. DONEGAN.