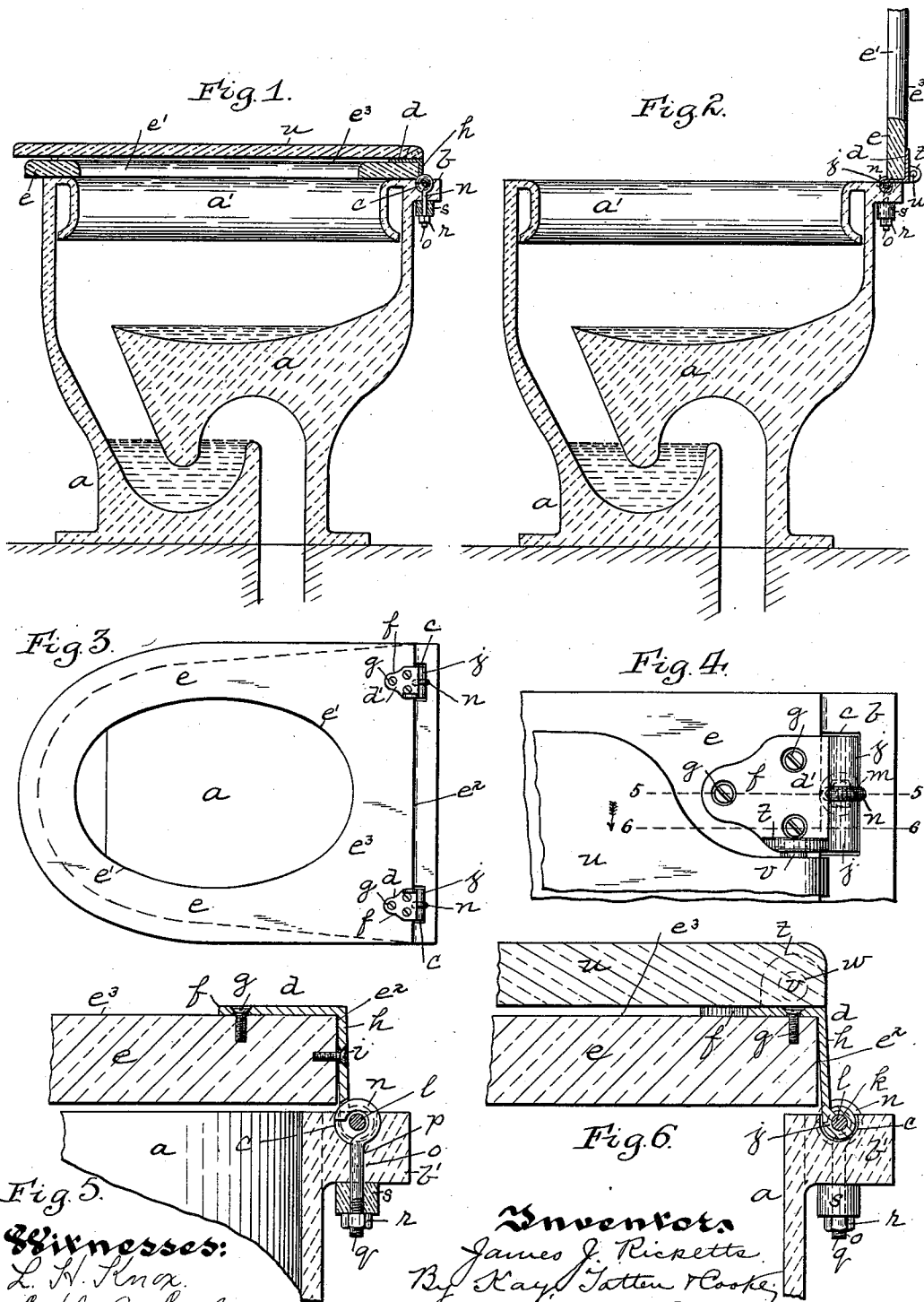


(No Model.)

J. J. RICKETTS.
WATER CLOSET.

No. 532,908.

Patented Jan. 22, 1895.



Witnesses:
L. H. Knox.
L. d. B. Little

Inventor:
James J. Ricketts.
By Kay, Totten & Cooke,
Attorneys.

UNITED STATES PATENT OFFICE.

JAMES J. RICKETTS, OF PITTSBURG, PENNSYLVANIA.

WATER-CLOSET.

SPECIFICATION forming part of Letters Patent No. 532,908, dated January 22, 1895.

Application filed March 1, 1894. Serial No. 501,912. (No model.)

To all whom it may concern:

Be it known that I, JAMES J. RICKETTS, a resident of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Water-Closets; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to water-closets, and has special reference to devices for securing the seat thereto.

The object of my invention is to provide a cheap and effectual means of securing the seat to the closet, and one which is not liable to get out of order nor is unsightly to the eye.

To enable others skilled in the art to make and use my invention, I will describe the same more fully, referring to the accompanying drawings, in which—

Figure 1 is a sectional view of a water-closet having my invention applied thereto. Fig. 2 is a like view showing the seat in its raised position. Fig. 3 is a top view thereof. Fig. 4 is an enlarged view showing the hinge. Fig. 5 is a cross-section on the line 5—5 Fig. 4, and Fig. 6 is a cross-section on the line 6—6 Fig. 4 showing the cover applied thereto.

Like letters here indicate like parts in each of the figures of the drawings.

The earthenware bowl *a* shown in the drawings is of the ordinary approved construction and has the flushing rim *a'* at the top thereof for flushing the closet. Projecting out from the top of the earthenware bowl *a* is the flange *b* which can be cast on the bowl or cemented thereto as desired. The flange *b* is provided with the recesses *c* in the top thereof for the reception of the hinges *d d'* on the seat *e*, the recesses forming journals for the hinges as hereinafter described. The seat *e* has the opening *e'* therein and the hinges *d d'* on its rear end *e²*, said hinges *d d'* having the portions *f* engaging with the top *e³* of the seat *e* by means of the screws *g* and the portions *h* of the said hinges *d d'* engaging with the end *e²* of the seat *e* by means of the screws *i*. The hinges *d d'* have the round portions *j* which fit within the recesses *c* in the bowl, said round portions having the openings *k* therein for the reception of the journal pins *l*. The round portions *j* of the hinges *d d'* have the openings *m*

formed between them for the reception of the hooks *n*, said hooks *n* fitting within the recesses *c* in the bowl *a* and around the journal pins *l* in the openings *m* formed between the round portions *j* of the hinges *d d'*. The hooks *n* have the straight portions *o* formed thereon which pass through openings *p* communicating with the recesses *c* in the bowl *a*, said straight portions having the threaded ends *q* to which are screwed the nuts *r*, said nuts *r* pressing against rubber sleeves or other yielding cushions *s* which fit around said hooks *n* and are adapted to be pressed against the flange *b* on the bowl *a* by the nuts *r*. If desired lugs *b'* can be used instead of the flange *b* for the journaling of the hinges *d d'* to the bowl, as is shown in dotted lines Figs. 5 and 6.

In case it is desired to use a lid on the closet the hinges *d d'* may have the extensions *t* formed on the portions *f* thereof, to which the lid *u* may be journaled by means of the pins *v* fitting within the holes *w* thereof, as is fully shown in Figs. 1, 2 and 6.

When it is desired to use my improved water-closet attachment, as the hinges *d d'* are screwed to the seat *e* all that is necessary is to place the seat *e* upon the earthenware bowl *a* so that the round portions *j* on the hinges *d d'* fit within the journaling recesses *c* in the flange *b* of the bowl, the journal pins *l* having been previously placed in the openings *k* of the hinges *d d'*. The hooks *n* are then placed around said journal pins *l* in the openings *m* with their straight portions *o* fitting within the openings *p*, after which the rubber sleeves *s* can be placed around said hooks *n* and the nuts *r* screwed onto said straight portions *o* and up against said rubber sleeves *s*, so pressing them against the flange *b* on the bowl. It will thus be seen that when the seat is raised the hinges *d d'* turn in the recesses *c* which form journaling seats therefor, the hinges being supported by such journaling seats and the hinged lid of the closet seat being thus supported entirely by the flange or parts of the closet itself, the hooks *n* simply holding the hinges in their places and their rubber sleeves or like cushions or springs *s* yielding when special strains are brought upon the closet seat. By having the hinges constructed to turn easily in the

recesses the lid can be raised and lowered without scarcely any strain on the flange *b* of the closet. In this way the breaking or cracking of the flange is avoided.

5 It will thus be seen that my improved water-closet is cheap in construction and not liable to get out of order. The parts composing the same can be readily put together and form a neat and finished connection, as the
10 parts for attaching the seat to the bowl are hidden from the eye of the observer. In case of wear of the rubber sleeves, they can readily be replaced without great trouble or inconvenience.

15 What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination of a water-closet bowl having a recess therein which forms a journaling seat, a seat on said bowl, a hinge connected to the seat and fitting within the
20 recess of the bowl which forms the journaling surface on which it turns, substantially as set forth.

2. The combination of a water-closet bowl
25 having a recess therein which forms a journaling seat, a seat on said bowl, a hinge connected to the seat and fitting within the recess of the bowl which forms the journaling surface on which it turns, and a hook engag-

ing with said hinge and passing down through
30 the bowl body and acting to hold the hinge within the journaling seat, substantially as set forth.

3. The combination of a water-closet bowl having a lug or flange thereon, a recess in
35 said lug or flange forming a journaling seat, a hole extending from the base of the recess through the flange, a seat on said bowl, a hinge connected to the seat and journaling in said recess, a hook engaging with the hinge
40 and holding it in the recess and extending through the flange and secured at the lower side thereof, substantially as set forth.

4. The combination of a water-closet bowl, a lug or flange on said bowl, a seat on said
45 bowl carrying a hinge, said hinge fitting within a recess on said flange, a hook engaging with said hinge and passing through said flange, and a yielding sleeve fitting around said hook and adapted to be compressed there-
50 on, substantially as set forth.

In testimony whereof I, the said JAMES J. RICKETTS, have hereunto set my hand.

JAMES J. RICKETTS.

Witnesses:

J. N. COOKE,
L. H. KNOX.