(No Model.)

C. F. STREIT.

HINGE FOR WATER CLOSET SEATS AND COVERS.

No. 588,720. Patented Aug. 24, 1897.

FIG. 1.

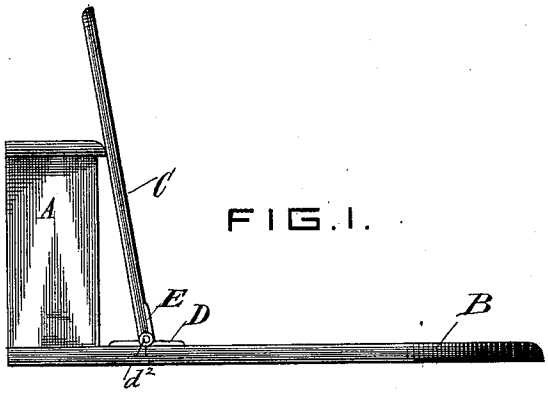


FIG. 2.

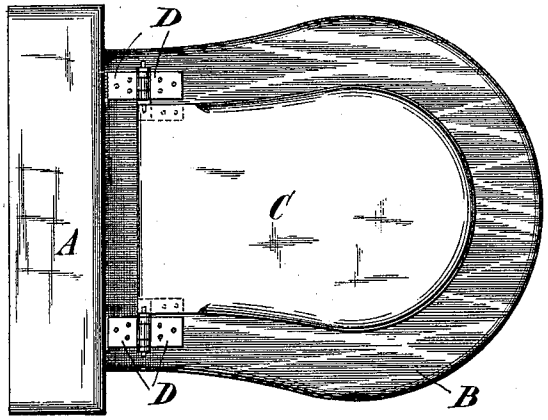


FIG. 5.

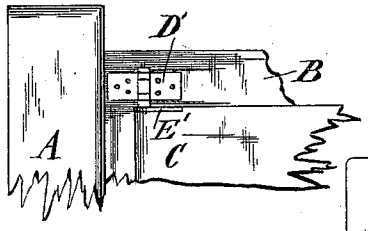


FIG. 3.

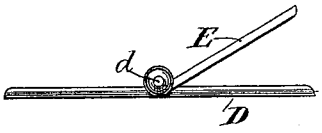


FIG. 4.

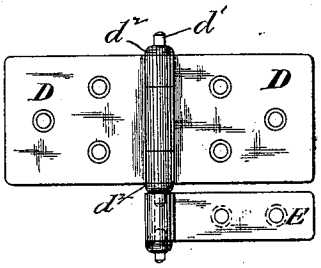


FIG. 6.

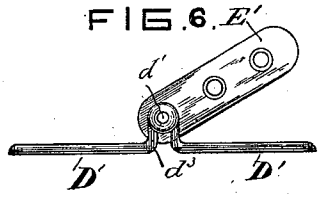


FIG. 7.

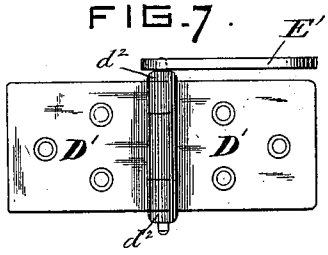
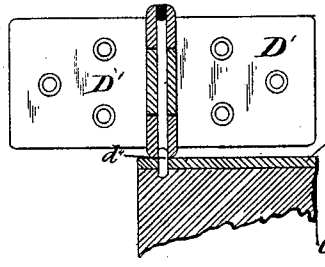


FIG. 8.



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UNITED STATES PATENT OFFICE.

CHARLES F. STREIT, OF AVONDALE, OHIO.

HINGE FOR WATER-CLOSET SEATS AND COVERS.

SPECIFICATION forming part of Letters Patent No. 588,720, dated August 24, 1897.

Application filed February 24, 1894. Serial No. 501,341. (No model.)

To all whom it may concern:

Be it known that I, CHARLES F. STREIT, a citizen of the United States, and a resident of Avondale, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Hinges for Water-Closet Seats and Covers, of which the following is a specification.

My invention relates to an improvement in hinges and covers for water-closet seats. Its object is to provide an improved hinge for the cover, which may be used alone and presents the appearance of the ordinary strap-hinge, and in connection therewith an attachment for the cover (when it is desirable to use a cover) which may be connected to the hinge of the seat so that each may operate independently or together. The object I attain by the means illustrated in the accompanying drawings, in connection with which the invention will be first fully described, and then particularly referred to and pointed out in the claims.

Referring then to said drawings, in which like parts are represented by similar reference-letters wherever they occur throughout the various views, Figure 1 is a side elevation of the seat-cover and its stationary support having my improvement applied. Fig. 2 is a plan view of the same. Fig. 3 is an enlarged view, in edge elevation, of the seat-hinge and the coupling for the cover. Fig. 4 is a plan view of the same, the coupling-boss and the cover-support being shown in section. Fig. 5 is a detailed plan view of the seat and cover with a modified form of coupling for the cover. Fig. 6 is an edge elevation, upon an enlarged scale, of the cover and seat coupling members shown in Fig. 5. Fig. 7 is a plan view of the same. Fig. 8 is a view, partly in plan and partly in section through the pivots of the hinge, of a modification of the form shown in Figs. 5 to 7, inclusive.

The stationary part A, seat B, and cover C are of ordinary construction and need not, therefore, be specifically described.

Referring first to the hinge members illustrated in Figs. 1 to 4, inclusive, D D represent the leaves of an ordinary strap-hinge, which may be of any approved construction. The pivot-pin d, which unites the members, has an extended end upon each side, forming an ornamental finish when the single-hinge members are used, terminating in a pivotal extension d', which is the finish of the acorn or knurl d^2. The hinge so formed is secured, as any ordinary hinge, upon the top of the seat and the stationary part, as clearly shown in Figs. 1 and 2, and when the cover C is omitted (as it many times is) the leaves D D form a perfect hinge.

If at any time it is desired to employ the cover C, the leaf E is employed. This is like one leaf of an ordinary hinge. The boss or pivot-bearing is recessed into the cover C, as clearly shown in Fig. 1, and the leaf applied to the under side of the cover, to which it is secured by screws or in any ordinary way.

In the modification shown in Figs. 5, 6, and 7 the hinge-leaves D′ bend upwardly at their inner ends, as seen at d^3, Fig. 6, to the bearing which receives the pivot-pin d, the pin finishing the knurl and pivot d' d^2, as in the preferred form, but instead of the leaf-coupling E, as in the preferred form, a flat plate E′ is employed. This plate is secured to the top of the cover C by screws or in any suitable manner, and the finish or pivotal extension d' extends into the perforation in the plate E′, forming the bearing upon which the cover C swings.

In the modification shown in Fig. 8 the leaves D D are united by a pintle which is shorter than its bearings, leaving an opening at each end, and the plate E^2, which is secured to the edge of the cover C, as shown in Figs. 5 to 7, inclusive, has a journal-pin d^4 either secured in plate E^2 or projecting from it to near the end of the bearing between the leaves D or loosely arranged, so that it may pass into the end of the bearing through the plate E^2 and into a perforation in the plate E.

What I claim is—

1. The combination of the stationary part, the cover, the seat, the double hinge consisting of the ordinary hinge-leaves for uniting the stationary part of the closet with the seat, said leaves being coupled together by a pintle having extended ends upon both sides of the leaves, a collar or ornamental finish on said pintle bearing against the edges of the leaves and pintle-shafts extending beyond said collar, and an independent leaf adapted to be secured to the seat-cover and having a perforated boss to receive the extended pin-

tle of the seat-hinge, substantially as shown and described.

2. The herein-described hinge for water-closet seats composed of leaves having interlocking bosses or bearings, a pintle uniting said leaves having extended ends, collars or flanges upon said ends, shafts extending beyond said flanges to form a finish when the hinge is to be used for the seat alone, and a pivot for the cover when the same is to be used in combination with the seat.

3. The combination hereinbefore described of the double hinge for water-closet seats and covers consisting of the ordinary hinge-leaves for uniting the stationary part of the closet with the seat, said leaves being coupled together by a pintle having extended ends on both sides of the leaves, a collar or ornamental finish on said pintle bearing against the edges of the leaves, and pintle-shafts extending beyond said collar and an independent leaf adapted to be secured to the seat-cover and having a perforated boss to receive the extended pintle of the seat-hinge, substantially as shown and described.

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