S. L. EASTBURN.

CLOSET SEAT.

APPLICATION FILED SEPT. 6, 1912.

1,074,701. Patented Oct. 7, 1913.

Fig. 1.

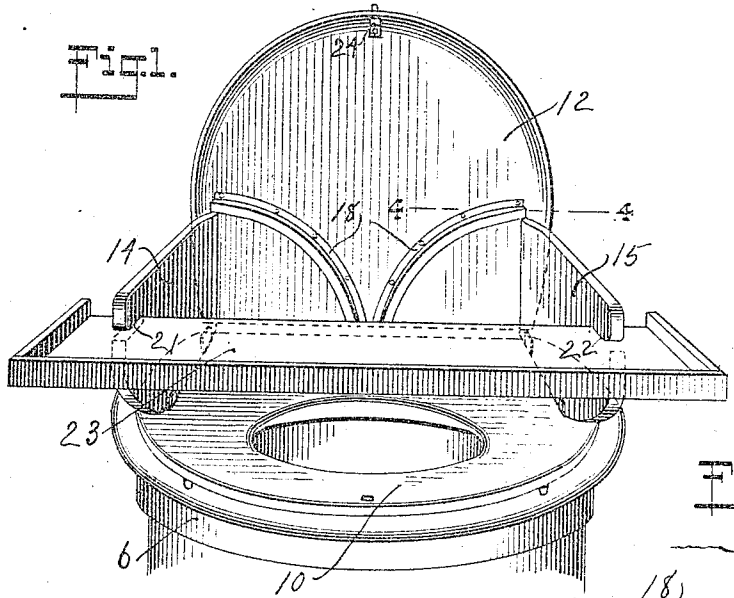


Fig. 5.

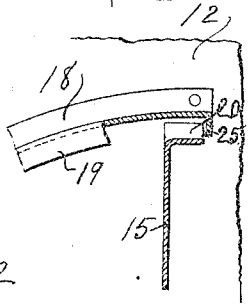
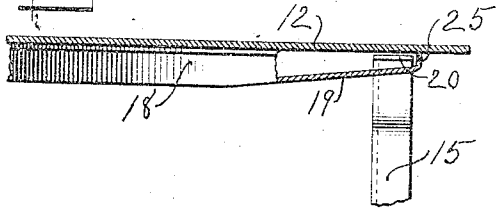


Fig. 4.



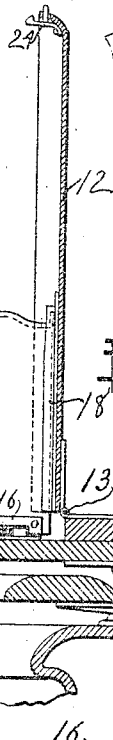
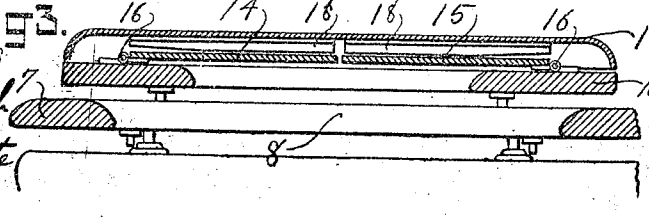


Fig. 2.

Fig. 3.



WITNESSES

A. V. Walsh

H. M. White

INVENTOR

Samuel L. Eastburn

by George Cook

ATTORNEY

UNITED STATES PATENT OFFICE.

SAMUEL L. EASTBURN, OF SLOATSBURG, NEW YORK.

CLOSET-SEAT.

1,074,701. Specification of Letters Patent. Patented Oct. 7, 1913.

Application filed September 6, 1912. Serial No. 718,855.

To all whom it may concern:

Be it known that I, SAMUEL L. EASTBURN, a citizen of the United States, and a resident of Sloatsburg, in the county of Rockland and State of New York, have made and invented certain new and useful Improvements in Closet-Seats, of which the following is a specification.

My invention relates to water closet seat mechanism, and especially to devices designed for use by a child, the object thereof being to provide a seat device having folding side arms hinged to the seat element of the device, and which arms interlock with the cover commonly provided for the seat when the cover and arms are raised into an upright position, whereby guards are provided to keep the child from falling from the seat and the side arms and cover are securely locked together.

A further object of my invention is to provide an ordinary water closet seat with an auxiliary or smaller seat for use by a child, the child's or auxiliary seat having the features above enumerated, so that the auxiliary seat mechanism, considered as a whole forms a cover for the main or ordinary seat.

A further object of my invention is to provide improved water closet seat mechanism of the general type disclosed and claimed in Letters Patent No. 904,053, Nov. 17, 1908, to Eastburn and Reeves, for closet seat.

With the above and other objects of invention in view, my invention consists in the improved water closet seat mechanism illustrated in the accompanying drawing, described in the following specification, and particularly claimed, and in such variations and modifications thereof as will be obvious to those skilled in the art to which my invention relates.

In the drawing: Figure 1 is a view showing my improved water closet seat mechanism in perspective; Fig. 2 is a view showing a section upon a vertical central plane extending from the front to the rear of the device; Fig. 3 is a view showing a section upon a vertical central plane extending at right angles to the plane of Fig. 2. Fig. 4 is a fragmentary view taken upon a horizontal plane indicated by the line 4—4, Fig. 1 looking down; and, Fig. 5 is a view taken upon a vertical plane parallel to the cover and showing a fragment of the cover and one of the side guards or arms.

Referring to the accompanying drawing wherein the preferred embodiment of my invention is illustrated, the reference character 6 designates a portion of a closet bowl and 7 is a main seat therefor having an opening 8 of a size to adapt the seat for use by adult persons, the same being pivotally supported at its rear from the bowl, or other support, by suitable hinge connections, as shown at 9.

The reference character 10 designates an auxiliary or supplemental seat overlying the main seat and having a smaller opening than that in the main seat, so that the same may be used by a child. This auxiliary seat is pivotally supported by hinge connections 11 at its rear edge to any suitable support, as to the hinge connection whereby the main seat is supported, as aforesaid; it being preferable to support both the main and auxiliary seats by a single compound hinge connection so that the auxiliary seat may be raised independent of the main seat, or both together.

The auxiliary or child's seat 10 is provided with a pivotally supported cover 12 so that the cover may be swung about an axis at its rear end, the said cover being preferably supported from the supplemental seat 10 by hinges at 13; and 14 and 15 are two side guards or arms carried by and pivotally connected with the auxiliary seat 10 at their lower edges as by means of hinges 16, from which it follows that these arms swing about axes extending substantially at right angles to the axis about which the cover 12 swings as the same is raised. These guards or arms may obviously be folded so as to occupy a position parallel with the auxiliary seat, as shown in Fig. 3, and may swing into upright positions, as shown at 1, when the child's seat is to be used. Suitable springs are provided, as

shown at 17, the tendency of which is to swing the guards into the upright positions shown in Fig. 1. These springs are preferably structurally combined with the hinges 16, these hinges being shown as spring hinges. The cover is preferably recessed or dished as shown, so that when the guards or arms are folded upon the auxiliary seat and the cover is swung downward, the guards will lie within the recess of the cover and will be concealed and protected thereby as will be understood from Fig. 3.

The cover 12 is provided with two curved guides 18 located upon its under side, said guides having an overhanging ledge 19 in the form illustrated, and the arms 14, 15 are provided with means for engaging these guides as the cover is raised and the arms swing upward about their axes by the action of the springs 17; said arms being shown as provided with upwardly extending lugs 20 at the rear ends of their upper edges which lugs pass along the guides 18 behind the overhanging ledges 19 as the cover is raised, as above explained.

From the foregoing explanation it will be understood that the guards or side arms 14, 15 rise automatically into the upright position shown in Fig. 1 as the cover is raised during which movement the lugs 20 move along the guides 18, and that the cover and arms are securely locked together when the parts are in the position shown in Fig. 1 because of the engagement of the arms and guides 18 as above explained.

The supplemental seat with its cover may be and in fact are designed to be substituted for the cover commonly provided with the main seats provided for adult use, although it will be appreciated that the features above enumerated whereby the device is adapted for use by a child are capable of use without the main seat, as in case the bowl is equipped with a child's seat only.

The arms 14, 15 and the cover 12 are preferably made from stamped metal as shown, and the arms are preferably provided with recesses 21, 22 at their front ends within which a suitable tray 23 may be supported and secured by appropriate securing means, in order to prevent the child from falling from the seat. A suitable latch 24 is also preferably provided in order that the cover when closed may be securely latched to the supplemental seat, the two then forming in effect a unitary cover for the main or adult seat 7.

The upwardly projecting lugs 20 of the guards or arms 14, 15 are prevented from leaving the curved guides 18, and the movement of the guards is arrested when they have reached a substantially vertical position as shown in Fig. 1, by means of stops 25 located adjacent the upper ends of the guides and with which said lugs engage, as will be understood from Fig. 4, which stops may obviously be of any form so long as they serve to arrest the movement of the guards as above explained.

Having thus described and explained my invention, I claim and desire to secure by Letters Patent:—

1. The combination with a water closet seat, of a pivotally supported cover therefor; two guides carried by said cover, and two side arms carried by said seat and pivotally connected therewith, said side arms having each an element adapted to engage one of the guides aforesaid.

2. The combination with a water closet seat, of a pivotally supported cover therefor; two curved guides carried by said cover; and two side arms carried by said seat and pivotally connected therewith, said side arms having each a projection adapted to engage and move in contact with one of the guides aforesaid.

3. In a device of the class described, a water closet seat; a pivotally supported cover therefor; two guides carried by said cover; and two side arms pivotally connected with said seat and adapted to swing about axes extending substantially at right angles to the axis of said cover; said arms having each means located at the end thereof adjacent said cover and adapted to move in contact with the guides aforesaid.

4. In a device of the class described, a water closet seat; a pivotally supported cover therefor; two curved guides carried by said cover; and two side arms pivotally connected with said seat and adapted to swing about axes extending substantially at right angles to the axis of said cover; said arms having each a projecting lug located at the upper edge of the end thereof adjacent said cover and adapted to move in contact with the guides aforesaid.

5. The combination with a water closet seat, of a pivotally supported cover therefor; two curved guides carried by said cover; two side arms carried by said seat and pivotally connected therewith, said side arms having each a projection adapted to engage and move in contact with one of the guides aforesaid; and a spring operatively associated with each of said side arms and tending to swing the same into an upright position.

6. In a device of the class described, a water closet seat; a pivotally supported cover therefor; two curved guides carried by said cover; two side arms pivotally connected with said seat and adapted to swing about axes extending substantially at right angles to the axis of said cover, said arms having each a projecting lug located at the

upper edge of the end thereof adjacent said cover and adapted to move in contact with the guides aforesaid; and a spring operatively associated with each of said arms and tending to swing the same into an upright position.

Signed at Hillburn, in the county of Rockland and State of New York this fifth day of Sept., A. D. 1912.

SAMUEL L. EASTBURN.

Witnesses:
G. W. CONKLIN,
ETHAL M. TATE.