Nov. 3, 1925. 1,560,422

J. M. HENDRIX

COMMODE

Filed Jan. 19, 1925

Fig. 1.

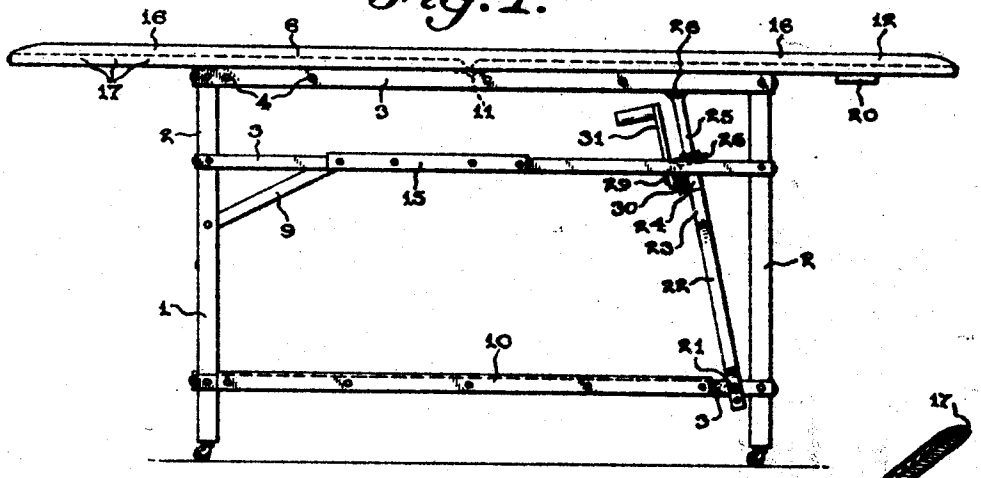


Fig. 2.

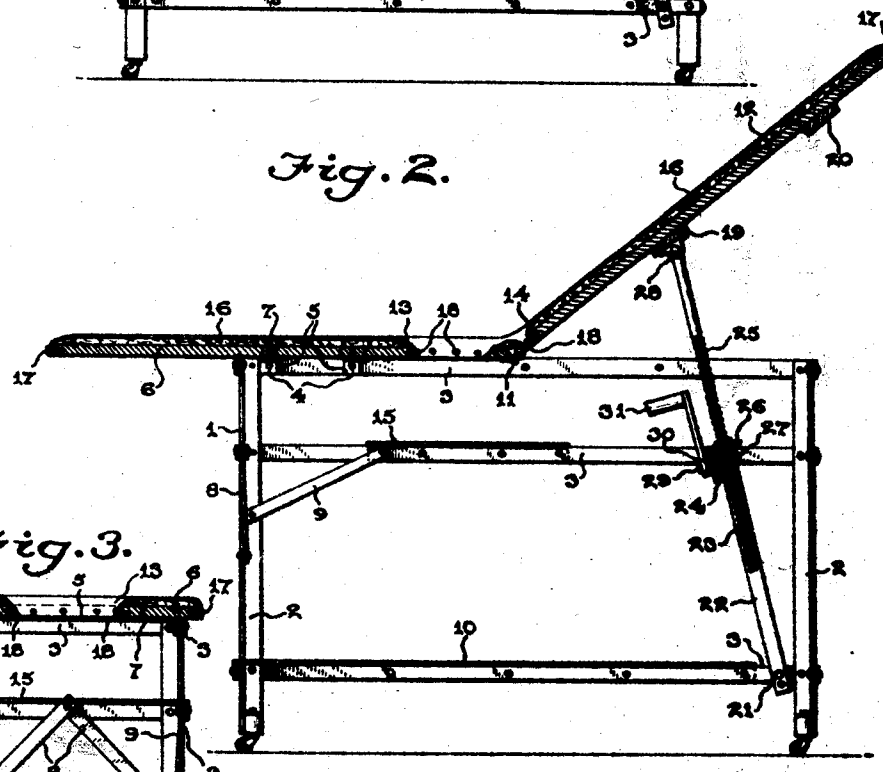
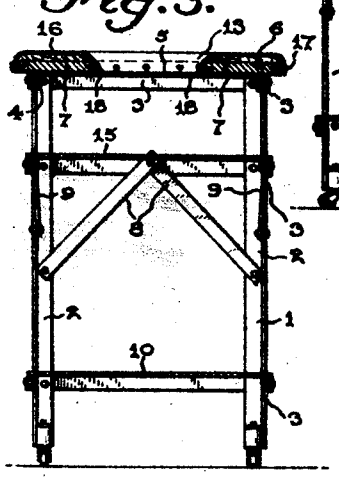


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOHN MORGAN HENDRIX, OF STATESBORO, GEORGIA.

COMMODE.

Application filed January 19, 1925. Serial No. 3,515.

To all whom it may concern:

Be it known that JOHN MORGAN HENDRIX, a citizen of the United States of America, residing at Statesboro, in the county of Bulloch and State of Georgia, has invented new and useful Improvements in Commodes, of which the following is a specification.

It is a purpose of the present invention to provide, in a commode, a construction thereof consisting of an open frame and including means for raising and lowering a back which is hingedly connected to the seat of the commode. The seat is provided with a substantial opening cooperating with an arcuate recess or partial opening formed in the back at a point adjacent the seat so that the body of the user may comfortably engage therewith, the back being capable, through the medium of its adjusting means, of assuming a position to support the back of the user.

Another purpose is to provide a frame with a shelf for the support of a pan for the reception of the excrement.

It is to be understood that the particulars herein given are in no way limitative and that, while still keeping within the scope of the invention, any desired modifications of detail and desired proportions may be made in the apparatus according to the circumstances.

The invention comprises further features and combinations of parts to be hereinafter set forth, shown in the drawings and claimed.

In the drawings:

Figure 1 is a view in elevation of the improved commode constructed in accordance with the invention.

Figure 2 is a vertical longitudinal sectional view showing the back raised through the medium of its adjusting means.

Figure 3 is a vertical cross sectional view of the commode, showing a shelf to support a pan.

Referring to the drawings, 1 designates the frame of the commode as a whole, which comprises the uprights 2 at the four corners thereof, and connecting the uprights (which are angular in cross section) are continuous braces 3. The braces may be constructed of any suitable material, preferably sheet metal, and secured to the upper longitudinal braces, as at 4, are U-shaped straps 5 to which a seat 6 is fastened by screws or the like 7. Connecting an intermediate brace 3 at the end of the frame and adjacent end uprights are angularly disposed braces 8. Connecting longitudinal portions of the intermediate brace 3 and the uprights at the foot of the frame are angularly disposed braces 9. Secured to the longitudinal portions of a lowermost brace 3 is a sheet metal shelf 10 which may act as a support for various articles.

Hingedly mounted on the seat, as at 11, is a back 12. The adjacent hingedly connected portions of the seat and back are arcuately recessed or cut away, as at 13 and 14, providing an opening for the body of the user. The arcuate recess 13 is of substantial size and properly curved to conform to those portions of the body of the user below the thighs, when the user is in sitting posture. The arcuate recess or cut away portion 14 is more shallow or of less depth than the arcuate recess 13 and is of a shape to conform to and be engaged by the back of the user a short distance above the rump thereof.

Secured to the longitudinal portions of an intermediate brace 3 is a sheet metal shelf 15 for the support of a pan (not shown) which is adapted to receive the excrement. The seat and back are provided with a covering 16 of suitable fabric, such as rubber or the like, there being a stuffing or padding between the covering and the seat and back. The covering is in a continuous piece, though the seat and back are hingedly connected. This covering is fastened in any suitable manner, as at 17, to the edges of the seat and back. The covering also has an opening corresponding and conforming to the opening forming recesses of the seat and back. In fact, the material forming the covering is pulled through the opening of the seat and back and is fastened, as at 18, to the under surface of the back and seat.

The under face of the back is provided with a pair of cleats 19 and 20 and pivotally mounted, as at 21, to the longitudinal portions of the lowermost brace 3 are the arms 22 of a forked member 23 which has a head 24. An adjusting screw 25 is operable through the head to the end of which a bevel gear 26 is swiveled, as at 27. The screw 25 operates through the bevel gear and has its upper end pivoted at 28 to the cleat 19 of the back. The pivotal connection 28

consists of the U-shaped bracket between the ears of which the screw is pivoted, the bracket being secured to the cleat.

The head of the forked member has a lateral bearing for a stub shaft 29 which is provided with a bevel gear 30 which meshes with the bevel gear 26. A crank 31 is carried by the stub shaft, and obviously by turning the crank in one direction, the screw may be extended, thereby raising the back to any position as may be suitable to the patient or user of the commode, which is particularly applicable for use in operating rooms, as well as in other hospital wards. By turning the crank in the opposite direction, the back may be lowered.

The invention having been set forth, what is claimed is:

A commode comprising a frame provided with transverse supports connecting the upper part of said frame and longitudinal supports connecting the lower part of said frame, a seat secured to the transverse supports and resting on the frame, a back hinged to the seat, the adjacent hingedly connected parts of the seat and back having an opening conforming to the body of the user, a shelf on the frame immediately below the opening for the support of a pan, a padded covering of a continuous piece engaged over and secured at its margin to the seat and back, means consisting of a forked member pivotally supported on the said longitudinal supports at the lower part of the frame and having a head portion, a jack screw operatively pivoted to the back and passing through the head portion, and a device including intermeshing gears for rendering the jack screw extensible with regard to the forked member.

In testimony whereof he affixes his signature.

JOHN MORGAN HENDRIX.