

No. 630, III.

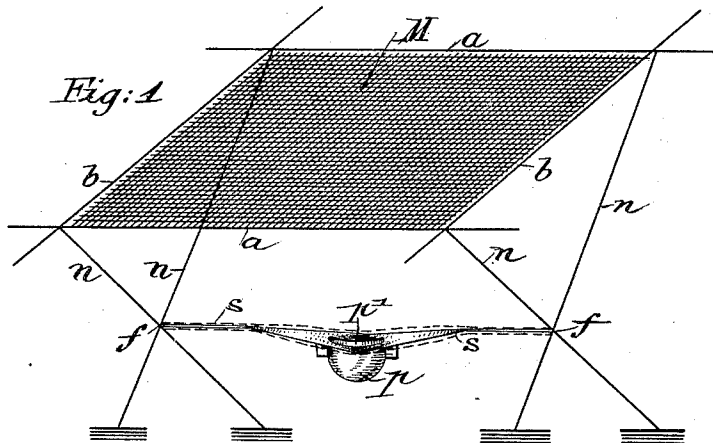
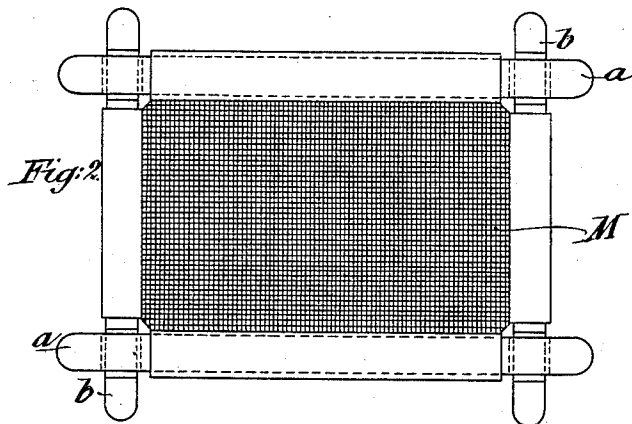
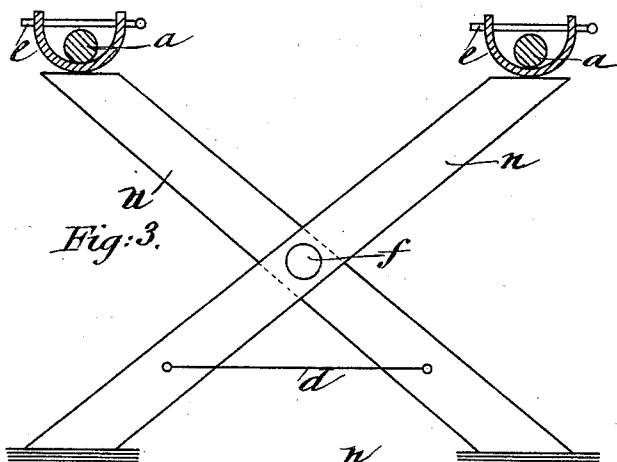
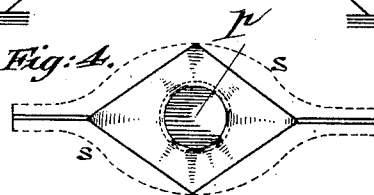
Patented Aug. 1, 1899.

H. ROELS.

FOLDING BEDSTEAD FOR INVALIDS OR CHILDREN.

(Application filed Dec. 1, 1897.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

HORTENSE ROELS, OF LAEKEN, BELGIUM.

FOLDING BEDSTEAD FOR INVALIDS OR CHILDREN.

SPECIFICATION forming part of Letters Patent No. 630,111, dated August 1, 1899.

Application filed December 1, 1897. Serial No. 660,369. (No model.)

To all whom it may concern:

Be it known that I, HORTENSE ROELS, a subject of the King of Belgium, residing at Laeken, near Brussels, in the Kingdom of Belgium, have invented certain new and useful Improvements in Bedsteads, of which the following is a specification.

This invention relates to bedsteads, and more particularly to bedsteads for the use of invalids and persons—as, for example, young children—who may be afflicted with enuresis; and the object of the invention is to provide a bedstead for such uses which may be easily taken apart for cleaning and folded for storing away.

The invention consists of a bedstead comprising upright intersecting supporting-bars pivoted at their points of intersection, a bed-frame supported thereby, a bed-supporting medium attached to said bed-frame, a funnel-shaped drainage-plate journaled in said supporting-bars, the ends of said drainage-plate forming the pivots for the supporting-bars at their points of intersection, and a waste-receptacle supported by and adapted to receive the drainings of said drainage-plate.

In the accompanying drawings, Figure 1 is a perspective view showing in outline the general scheme of my invention and in detail the funnel-shaped drainage-plate. Fig. 2 is a top view of the bed-frame and attached bed-supporting medium. Fig. 3 is an end view showing means for supporting the bed-frame, and Fig. 4 is a top view of the waste-receptacle and drainage-plate by which it is supported.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, *a a* represent the side rails, and *b b* the end rails, which together constitute the bed-frame of my improved bedstead. These rails may be round or of any preferred cross-section and are preferably made of metal. As shown in Fig. 2, they are crossed at their ends, the side rails preferably being uppermost. In place of vertical bed-posts, to which the bed-frame is attached in bedsteads of the common construction, the frame described is supported upon the ends of crossed bars *n n*, which are pivoted at *f* and prevented from spreading by a suitable tie-bar or wire *d*. One of the sup-

ports so formed is placed at each end of the bed-frame, and a longitudinal drainage-plate *s* extends from the point *f* of one support to the same point in the opposite support and serves to brace the two supports and retain them in upright position. Retaining-pins *e* prevent accidental dislodgment of the rails *a* and *b*. By shortening or lengthening the tie-rod or wire *d* the height of the bed-frame from the floor is regulated. The bed-bottom or bed-supporting medium *M* is of strong flexible osier-work, canvas, or the like. A convenient and reliable method of attachment is to turn over the edges of the material and secure them to the body of the same, forming thereby an open hem, as indicated in Fig. 2, into which a rail of the frame is inserted before placing the frame on the corner-supports.

A special feature of this invention is the arrangement of the removable receptacle *p* and drainage-plate *s*, to which it is applied. This drainage-plate is of wood or metal and is funnel-shaped, so as to drain by means of the opening *p'* into the receptacle. The plate *s* is terminated by journals, which act as pivots for the folding bars or legs *n n*, and thus serves both as a tie-bar and a drain. In use the urine, involuntarily voided by the child, passes through the open-work bed-bottom *M* onto the drainage-plate instead of being retained or absorbed by an impervious bed-supporting medium, thus tending to cleanliness.

From the above description it will be seen that to take the bedstead apart for the purpose of cleaning is a comparatively simple matter. The bed and bedclothing having been removed, the pins *e* are withdrawn and the rails lifted from their bearings or other retaining means on the upper surface of the corner-supports and withdrawn from the hemmed edges of the canvas *M*. The ends of the drainage-plate at *f* are then removed from the supports *n*. The various parts may now be separately cleaned. If it is not necessary to clean the supports, the drainage-plate and attached parts are easily cleaned without removal after the bed-frame and canvas have been removed. For storing the rails and canvas are removed and the bars *n* folded together.

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

5 A bedstead, consisting of upright intersecting supporting-bars pivoted at their points of intersection, a bed-frame supported thereby, a bed-supporting medium attached to said bed-frame, a funnel-shaped drainage-plate journaled in said supporting-bars, the ends
10 of said drainage-plate forming the pivots for the supporting-bars at their points of inter-

section, and a waste-receptacle supported by and adapted to receive the drainings of said drainage-plate, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

HORTENSE ROELS.

Witnesses:

EDWARD HEURIZING,
GREGORY PHELPS.