W. J. THOMPSON.

PROSTATIC URINAL.

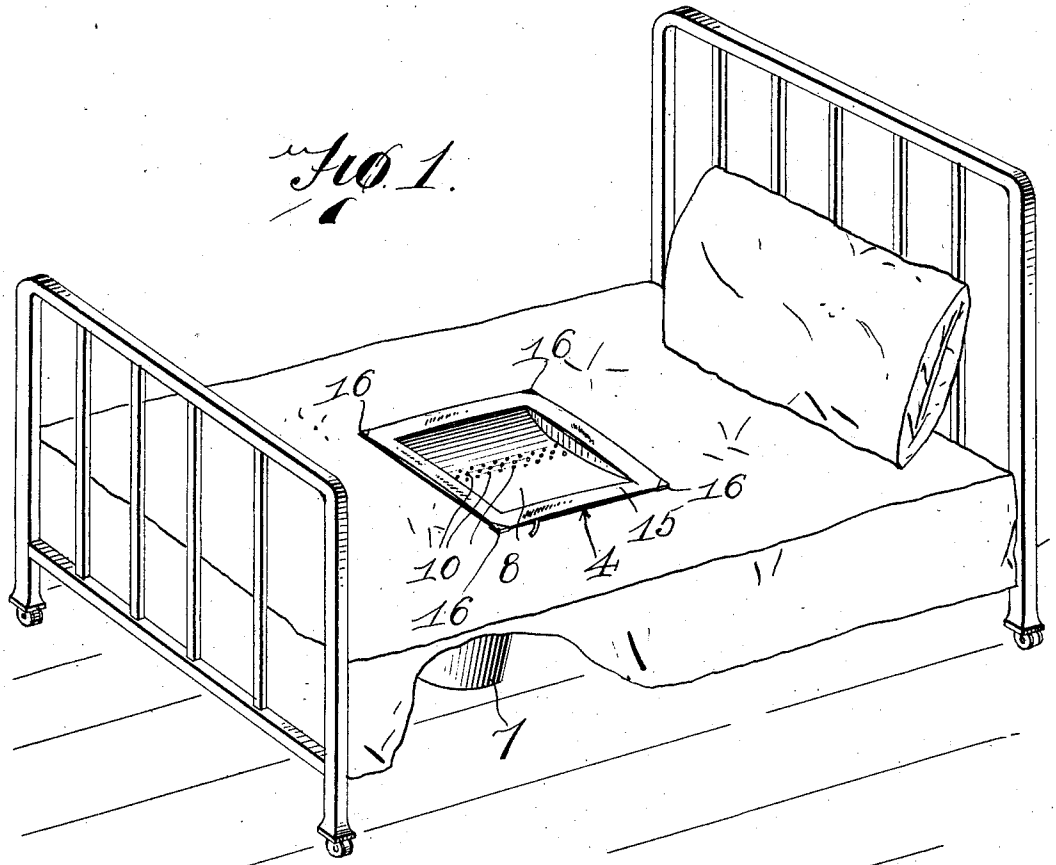
APPLICATION FILED AUG. 19, 1913.

1,097,894.

Patented May 26, 1914.

2 SHEETS—SHEET 1.

Fig. 1.



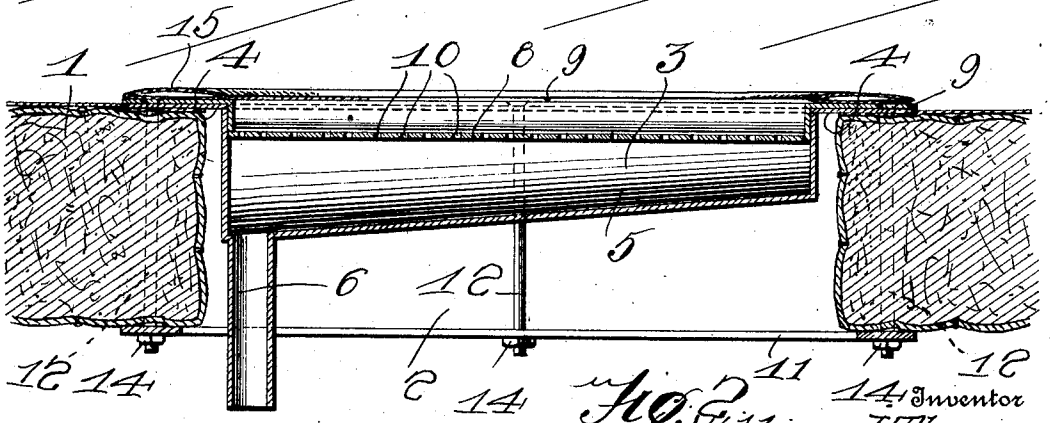
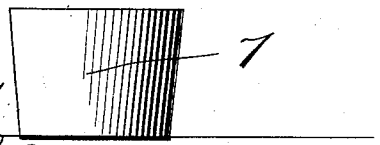


Fig. 2.



Witnesses

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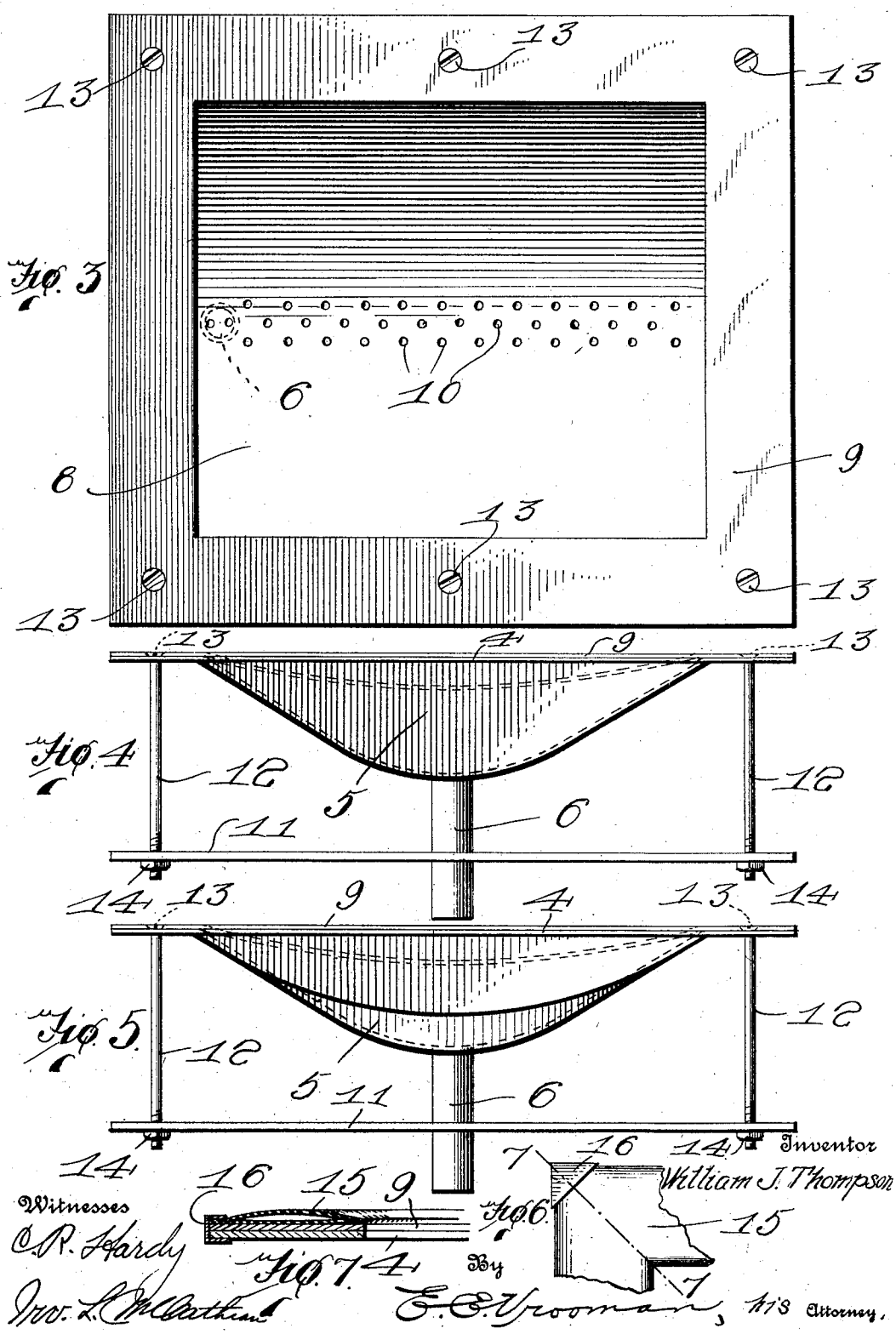
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UNITED STATES PATENT OFFICE.

WILLIAM J. THOMPSON, OF THOMAS, WEST VIRGINIA.

PROSTATIC URINAL.

1,097,894. Specification of Letters Patent. Patented May 26, 1914.

Application filed August 19, 1913. Serial No. 785,530.

To all whom it may concern:

Be it known that I, WILLIAM J. THOMPSON, a citizen of the United States, residing at Thomas, in the county of Tucker and State of West Virginia, have invented certain new and useful Improvements in Prostatic Urinals, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to prostatic urinals, and has for its object the production of an efficient means carried by a mattress whereby the urine from a patient may be drained to a receptacle without wetting the mattress.

Another object of this invention is the production of efficient means for attaching the urinal to the mattress in such a manner as to prevent the same from moving relative thereto.

With these and other objects in view, this invention consists of certain novel constructions, combinations and arrangements of parts as will be hereinafter fully described and claimed.

In the drawings: Figure 1 is a perspective view of the device applied to a bed. Fig. 2 is a longitudinal section of the device applied to a portion of a mattress. Fig. 3 is a top plan view of the device detached from a mattress. Fig. 4 is an end elevation of the rear end of the urinal or tray. Fig. 5 is an end elevation of the forward end of the urinal or tray. Fig. 6 is a plan view of one corner of the pad or shield adapted to fit over the edge of the urinal or tray. Fig. 7 is a section taken on line 7—7 of Fig. 6.

Referring to the drawings by numerals, 1 designates the mattress which is provided with an opening 2 positioned so as to allow the urinal or tray 3 to be supported under the prostatic gland of the patient occupying the bed.

The prostatic urinal comprises a body having side flanges 4 which flanges overhang the sides of the aperture 2 of the mattress and constitute a support for the tray. A trough shaped body portion 5 is formed upon the under face of the flanges 4 and is inclined toward the rear end thereof to allow the urine discharged therein to be directed toward one end thereof. A discharge spout 6 is carried by the rear end of the body portion 5 to convey the urine therefrom, since the body portion 5 is inclined toward this spout. Of course, a receptacle 7 is placed under the spout 6 for receiving the discharge therefrom.

A tray 8 is placed within the body portion 5 of the urinal and is provided with laterally extending flanges 9 which overhang the flanges 4 of the main portion of the urinal. The tray 8 is concavo-convex in cross section and fits down into the body portion 5 of the urinal for some little distance so as to hold the tray in its correct position. The tray 8 is provided with a plurality of drain apertures 10, the apertures being arranged in rows and in staggered relation.

A clamping plate 11 fits upon the under face of the mattress 1 and around the lower edge of the aperture 2 and is engaged by the clamping bolts 12, which bolts also engage the flanges 4 and 9 of the urinal and the tray 8 for firmly holding the urinal in position. The bolts 12 pass through the mattress 1 and have their heads 13 countersunk in the flanges 4 and 9 to present a smooth face upon the upper face of the flanges. Nuts 14 are threaded upon the lower ends of the bolts 12 for firmly holding the bolts in position.

An inflatable bag 15 is positioned upon the flange 9 and is shaped to correspond with the shape of the urinal. Substantially U-shaped metallic clamps 16 fit over the corners of the urinal 3 and engage the inflatable bag 15 for firmly holding the same in engagement with the urinal 3.

From the foregoing description and by carefully considering the drawings, it will be seen that a very efficient device has been produced for preventing the patient from wetting the bed when the patient is unable to control his urine.

It should be understood that the ordinary bed pan may be used with the present device by placing the same in the tray 8. It should be further understood that the present device may be modified as to its detail mechanical construction without departing from the spirit of the invention.

What is claimed, is:—

In a device of the class described the combination with a mattress, provided with an opening formed therein, a urinal comprising

a body provided with side flanges, a concavo-convex tray provided with side flanges positioned upon said body, a clamping plate positioned upon the under face of said mattress and around the lower edge of said opening, and clamping bolts engaged thereby, said bolts passing through the mattress and through the flanges and countersunk in said flanges for holding said urinal in a fixed position upon said mattress.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

WILLIAM J. THOMPSON.

Witnesses:
C. N. McIntire,
Rob Roy MacVettie.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."