E. DAVIS.

BED.

APPLICATION FILED OCT. 26, 1920.

1,372,802.

Patented Mar. 29, 1921.

2 SHEETS—SHEET 1.

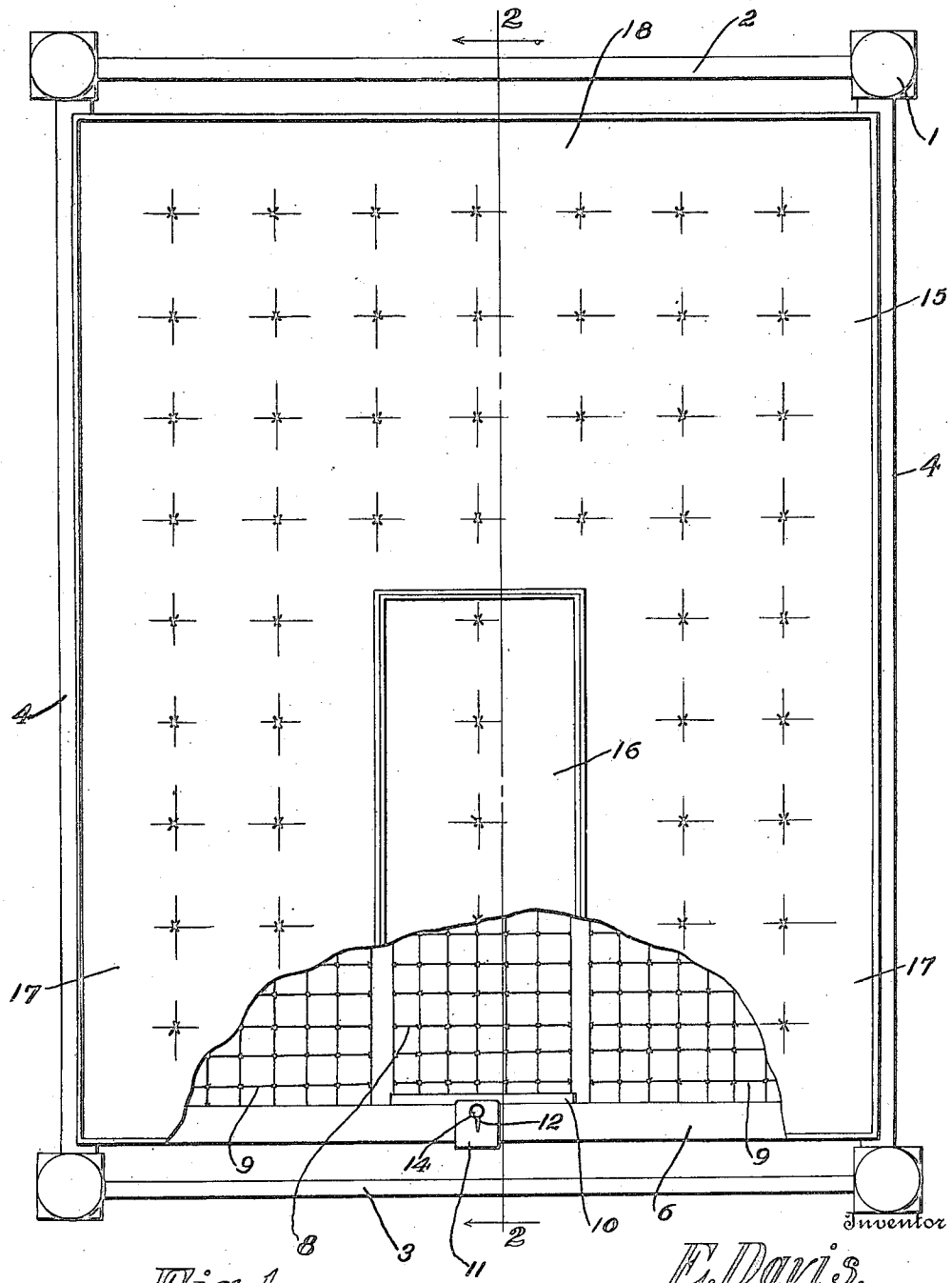


Fig. 1.

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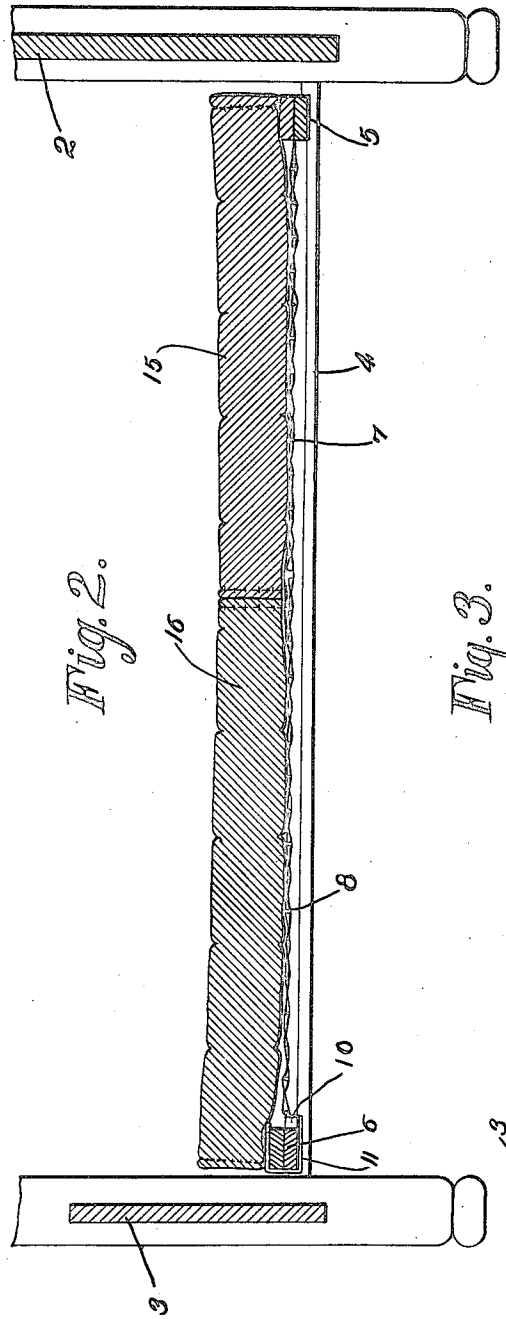


Fig. 2.

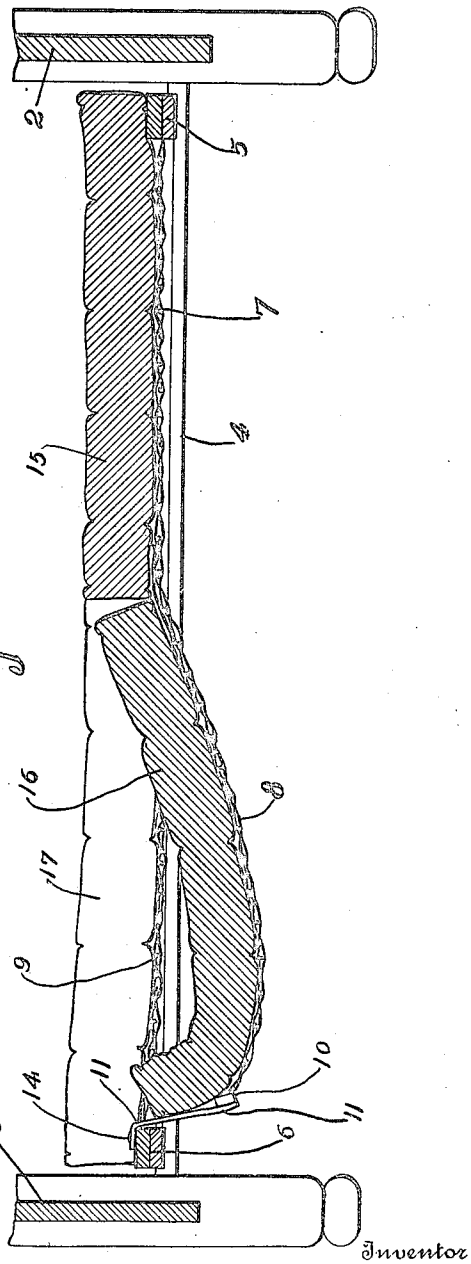


Fig. 3.

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UNITED STATES PATENT OFFICE.

EDNA DAVIS, OF PHILADELPHIA, PENNSYLVANIA.

BED.

1,372,802. Specification of Letters Patent. Patented Mar. 29, 1921.

Application filed October 26, 1920. Serial No. 419,676.

To all whom it may concern:

Be it known that I, EDNA DAVIS, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Bed, of which the following is a specification.

By way of explanation it may be stated that, as is well known, it is extremely difficult to place a bed pan or chamber under a sick person reclining in a bed, and the present invention aims to provide novel means whereby a portion of the mattress and a portion of the springs of a bed may be lowered, to permit a receptacle to be placed beneath the occupant of the bed, the construction being such that the body of the person will be supported, the legs being supported, likewise, on each side of those parts which are lowered for the introduction of the receptacle.

It is within the province of the disclosure to improve generally and to enhance the utility of devices of that type to which the invention appertains.

With the above and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that, within the scope of what is claimed, changes in the precise embodiment of the invention shown can be made without departing from the spirit of the invention.

In the accompanying drawings:—

Figure 1 shows in top plan, a device constructed in accordance with the invention, parts being broken away; Fig. 2 is a section taken approximately on the line 2—2 of Fig. 1, the tongues of the mattress and of the spring structure being raised; and Fig. 3 is a view similar to Fig. 2 but showing the tongues lowered, to permit the introduction of a receptacle.

The numeral 1 denotes a bedstead of any desired kind, including a head 2, a foot 3, and side bars 4 connecting the head and the foot. A frame 5 is supported on the side bars 4 and includes an end bar 6 located adjacent to the foot 3 of the bedstead 1. The frame 5 carries a spring structure 7, including a hinged tongue 8 located adjacent to the foot 3 of the bedstead 1. Those portions 9 of the spring structure 7 which are located on each side of the hinged tongue 8 remain fixed in a horizontal plane. The free end of the tongue 8 carries a strip 10 to which one end of a support 11, such as a strap, is attached, the free end of the strap having an opening 12. There is a projection or pin 14 on the upper surface of the end bar 6, the free end of the support or strap 11 having the opening 12, so that one end of the support may be mounted on the projection. A mattress 15 is supported on the spring structure 7 and includes a hinged tongue 16 supported on the tongue 8 of the spring structure. Those portions 17 of the mattress 15 which lie on each side of the tongue 16 do not swing downwardly but remain in the same horizontal plane with the head 18 of the mattress, the said portions of the mattress being supported on the parts 9 of the spring structure 7.

In practical operation, referring to Fig. 2, the flexible element or support 11 may be extended outwardly along the lower surface of the bar 6, upwardly along the outer edge of the bar and inwardly along the upper surface of the bar, the opening 12 in the flexible element being mounted on the pin or projection 14. Then the tongues 16 and 8 will be held in an approximately horizontal plane, it being possible to use the bed in the ordinary way. If desired, as shown in Fig. 3, the flexible element 11 may be detached from the projection 14 and may be reconnected thereto, so as to extend downwardly along the inner edge of the bar 6. Then, the tongues 8 and 16 will sag downwardly enough so as to permit a receptacle to be placed beneath the occupant of the bed, without difficulty, the legs of the occupant being supported by the parts 17 of the mattress 15.

Having thus described the invention, what is claimed is:—

In a device of the class described, a bedstead; a frame on the bedstead and including an end bar; a spring structure carried by the frame, and a mattress on the spring structure, the spring structure and the mattress each including a flexible tongue mounted at one end for downward swinging movement to permit a receptacle to be placed beneath the occupant of the bed, those portions of the spring structure and the mattress which are disposed on each side of the tongues being fixed, to support the legs of the occupant when the tongues are swung

downwardly; a flexible element connected to the other end of the tongue of the spring structure; and means for mounting the flexible element detachably on the end bar, whereby the flexible element may extend downwardly along the outer edge of the end bar thereby to support the tongues in the form of a downwardly concaved pocket adapted for the reception of a receptacle, or downwardly along the inner edge of the end bar thereby to permit the tongues to be lowered.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

EDNA DAVIS.

Witnesses:

JOHN T. RALINSON,

JOHN (×) E. DAVIS.
his
mark.