N. W. WILLIAMS.

COMBINED BED AND DAVENPORT

APPLICATION FILED JUNE 28, 1913.

1,136,857.

Patented Apr. 20, 1915.

3 SHEETS—SHEET 1.

Fig. 1

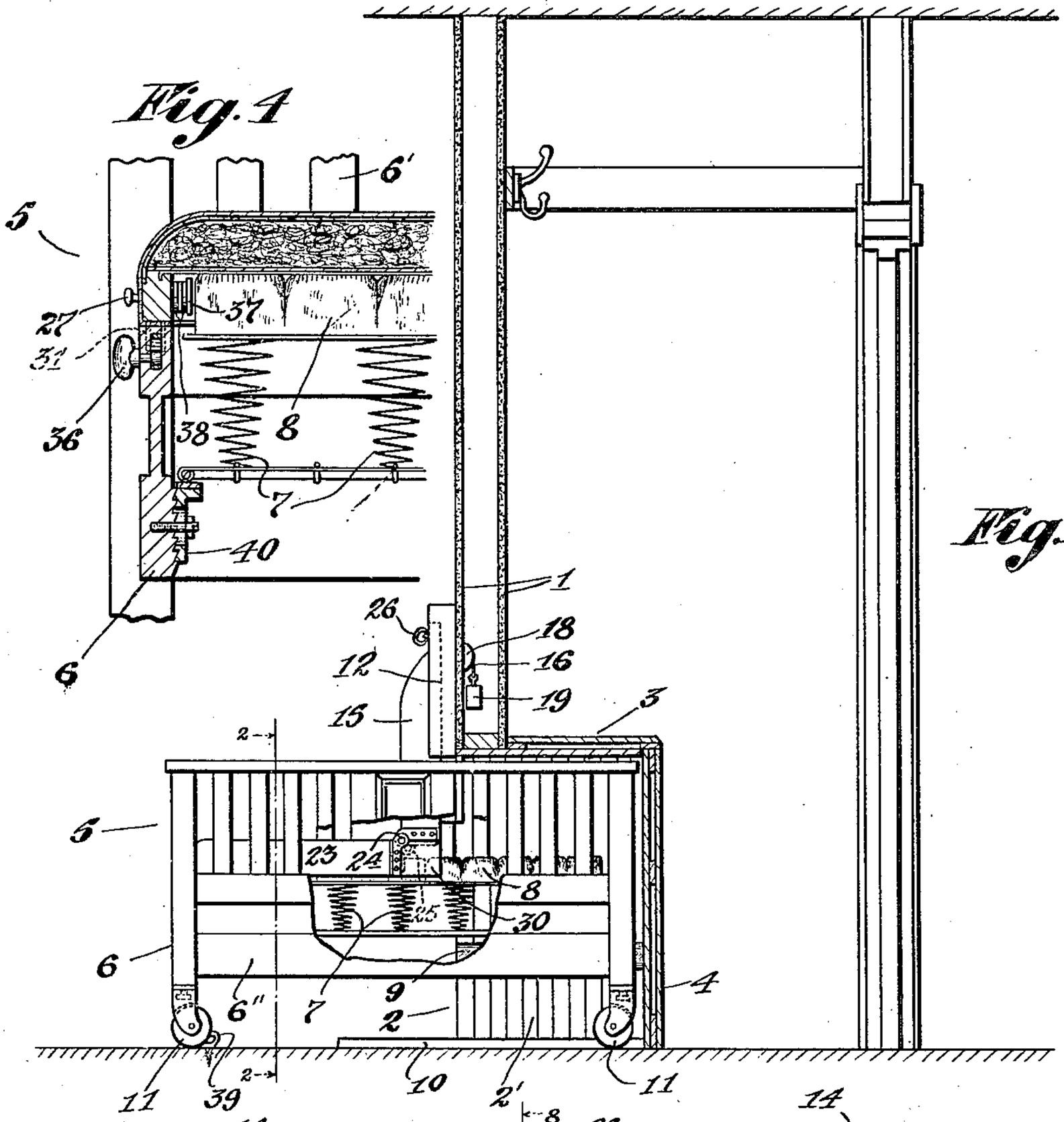
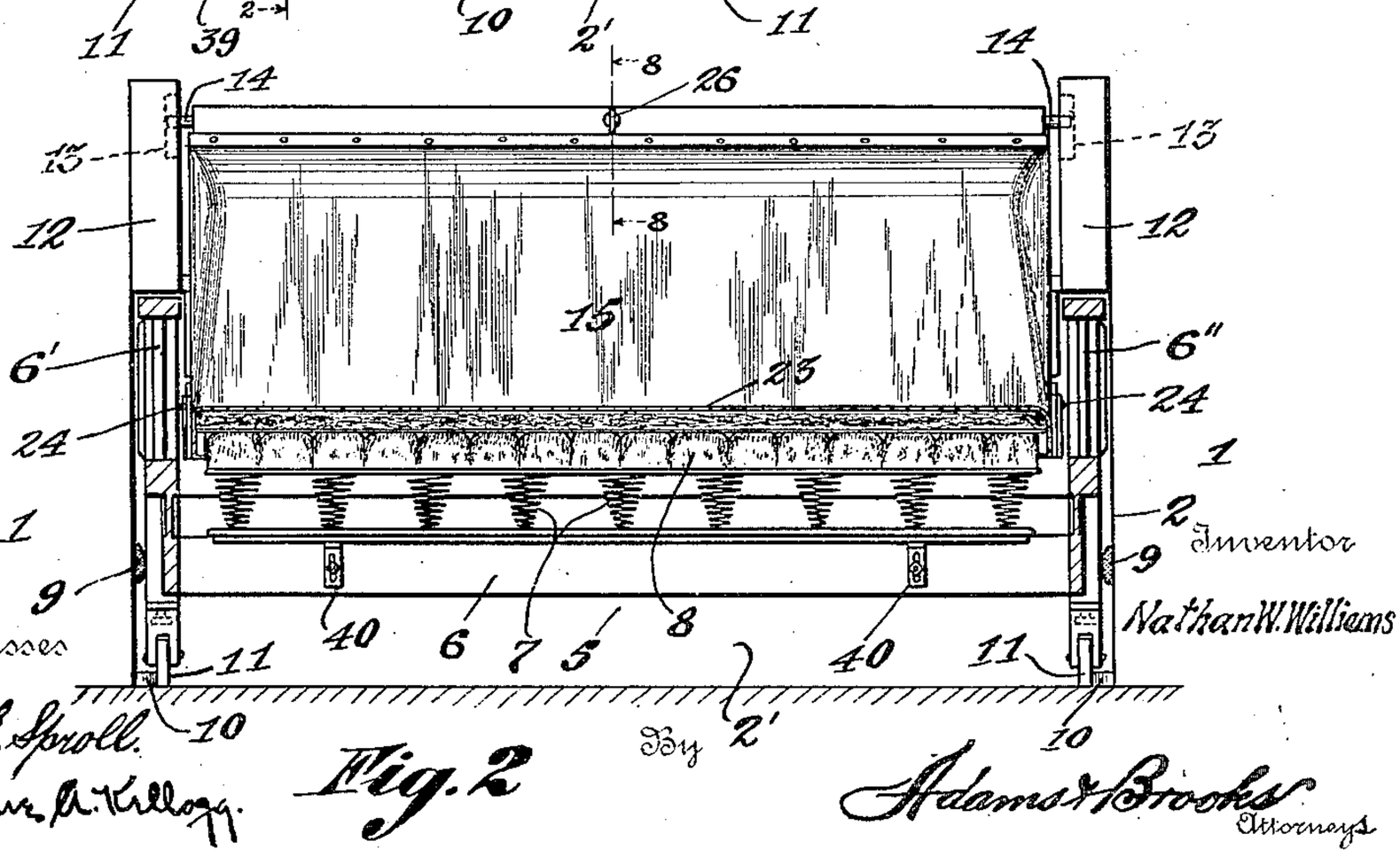


Fig. 2



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3 SHEETS—SHEET 2.

Fig. 3

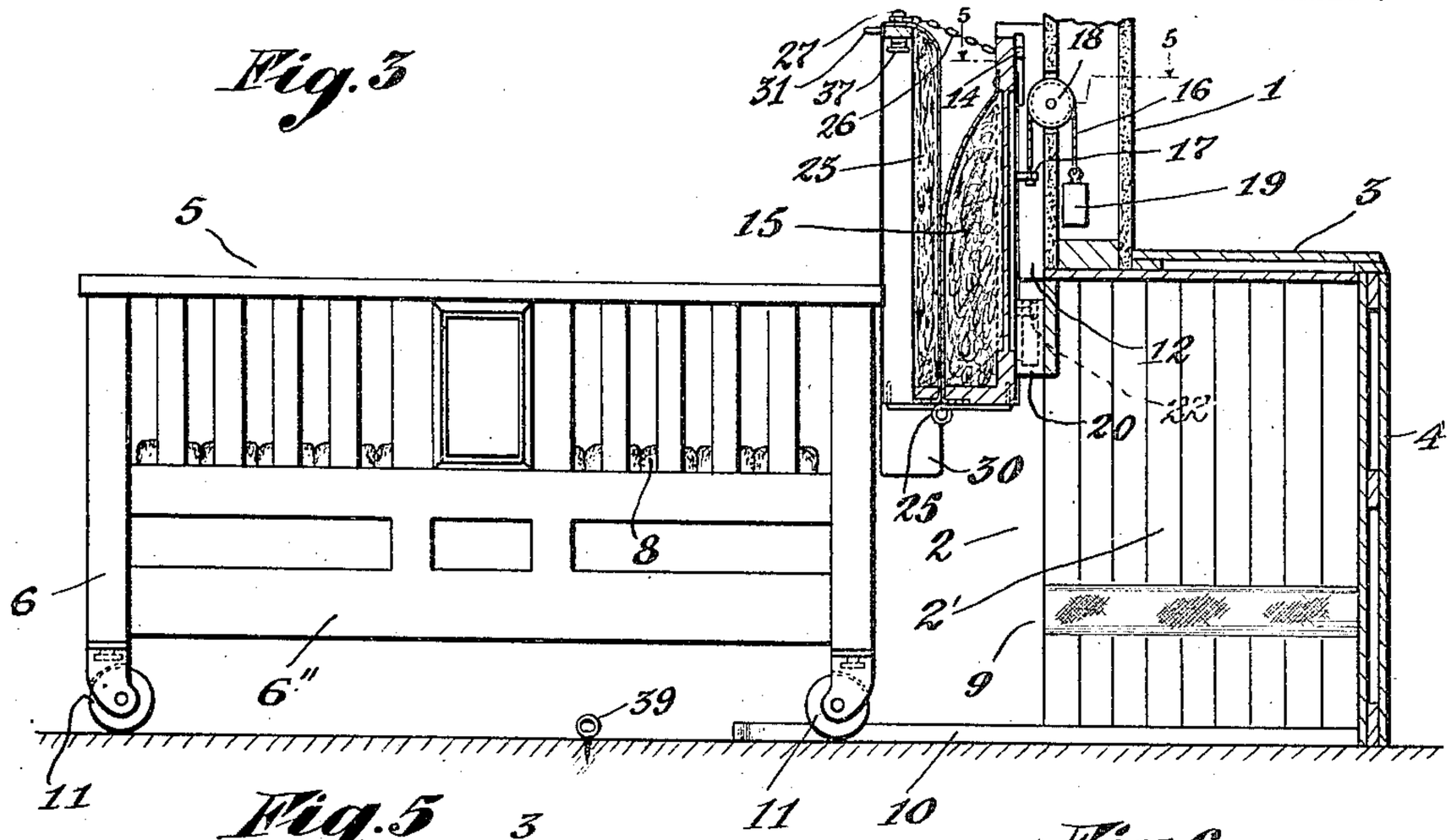


Fig. 5

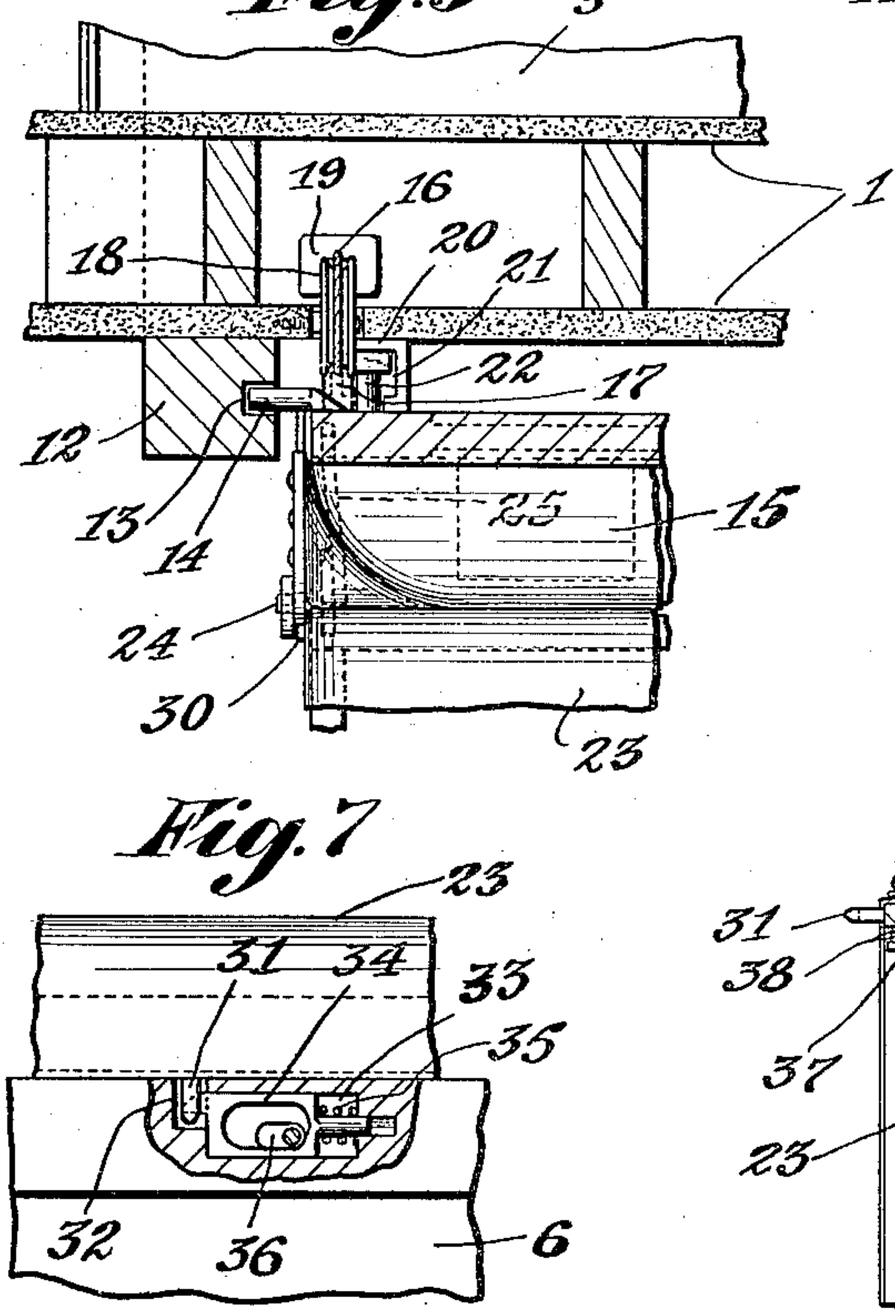


Fig. 6

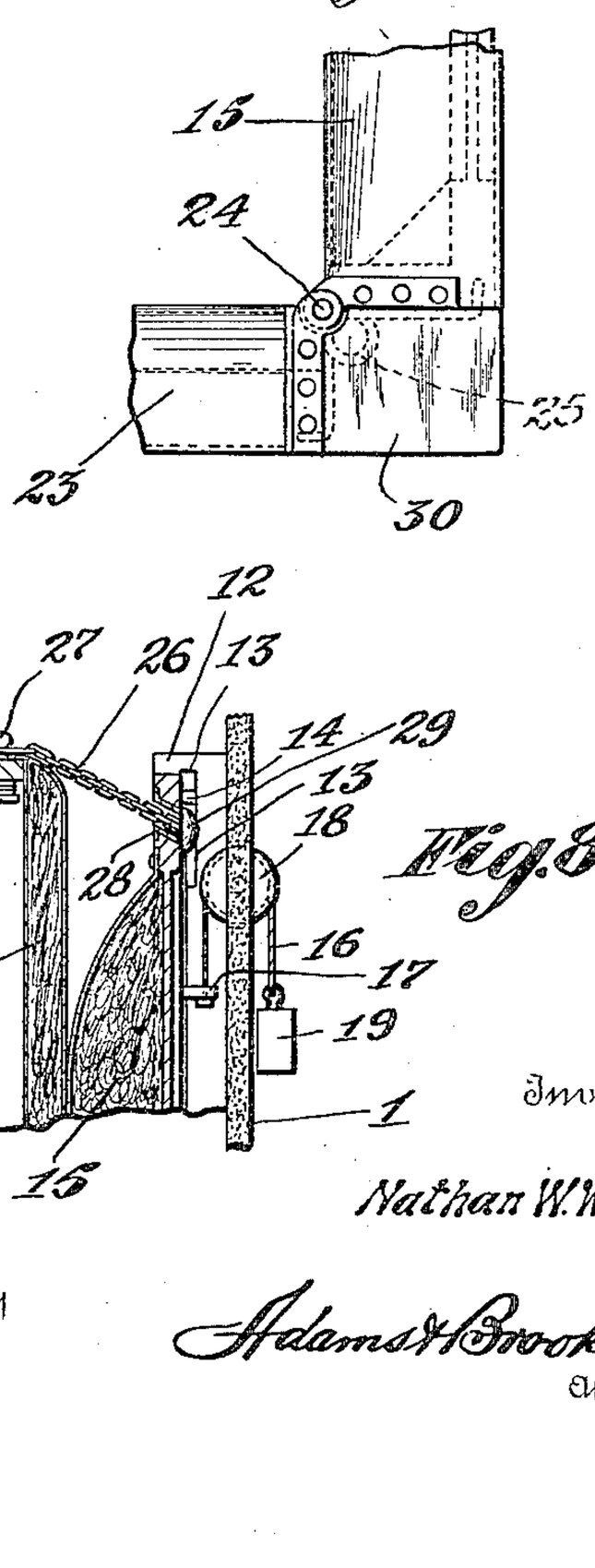


Fig. 7

Fig. 8

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3 SHEETS—SHEET 3.

Fig. 10

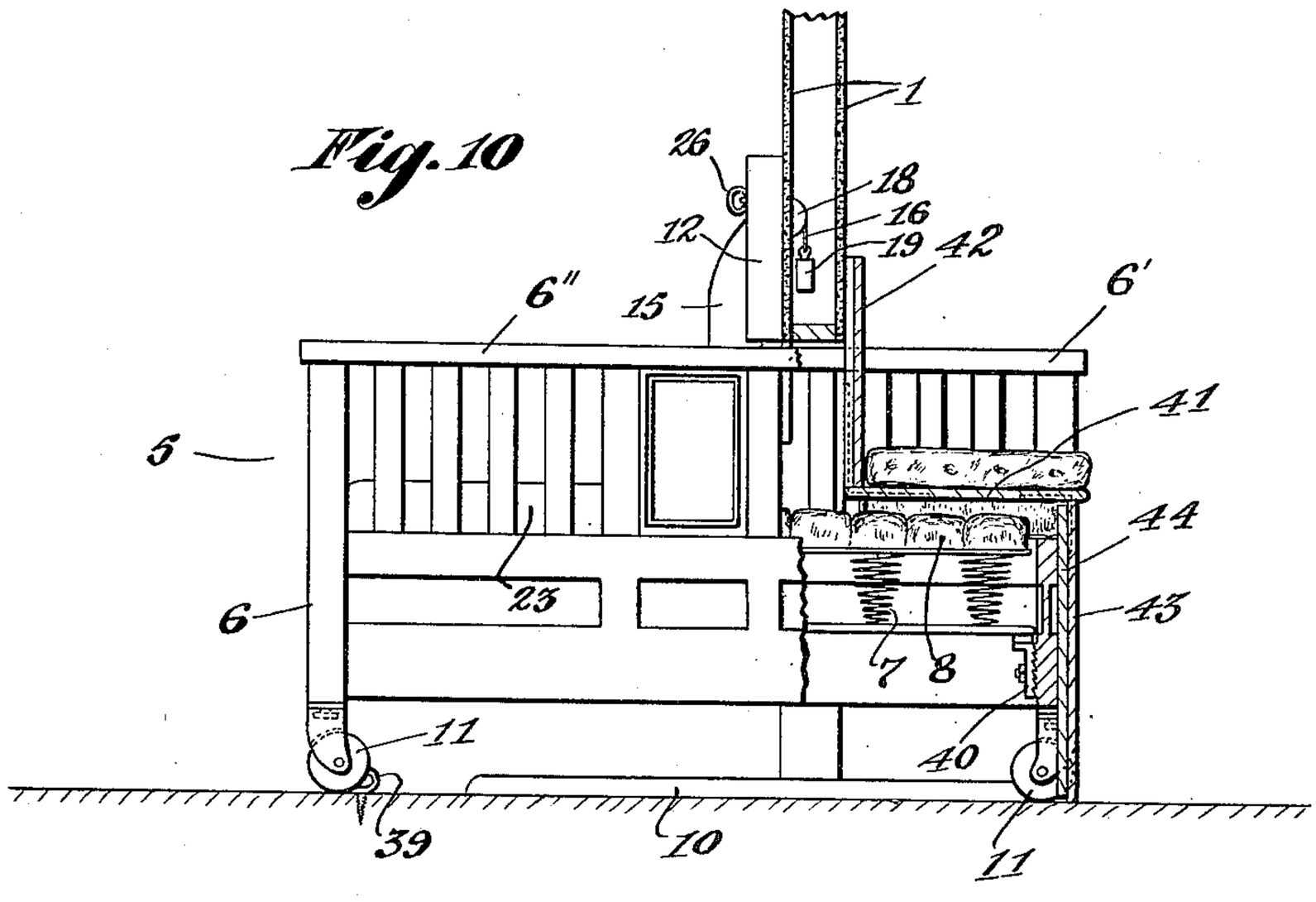


Fig. 11

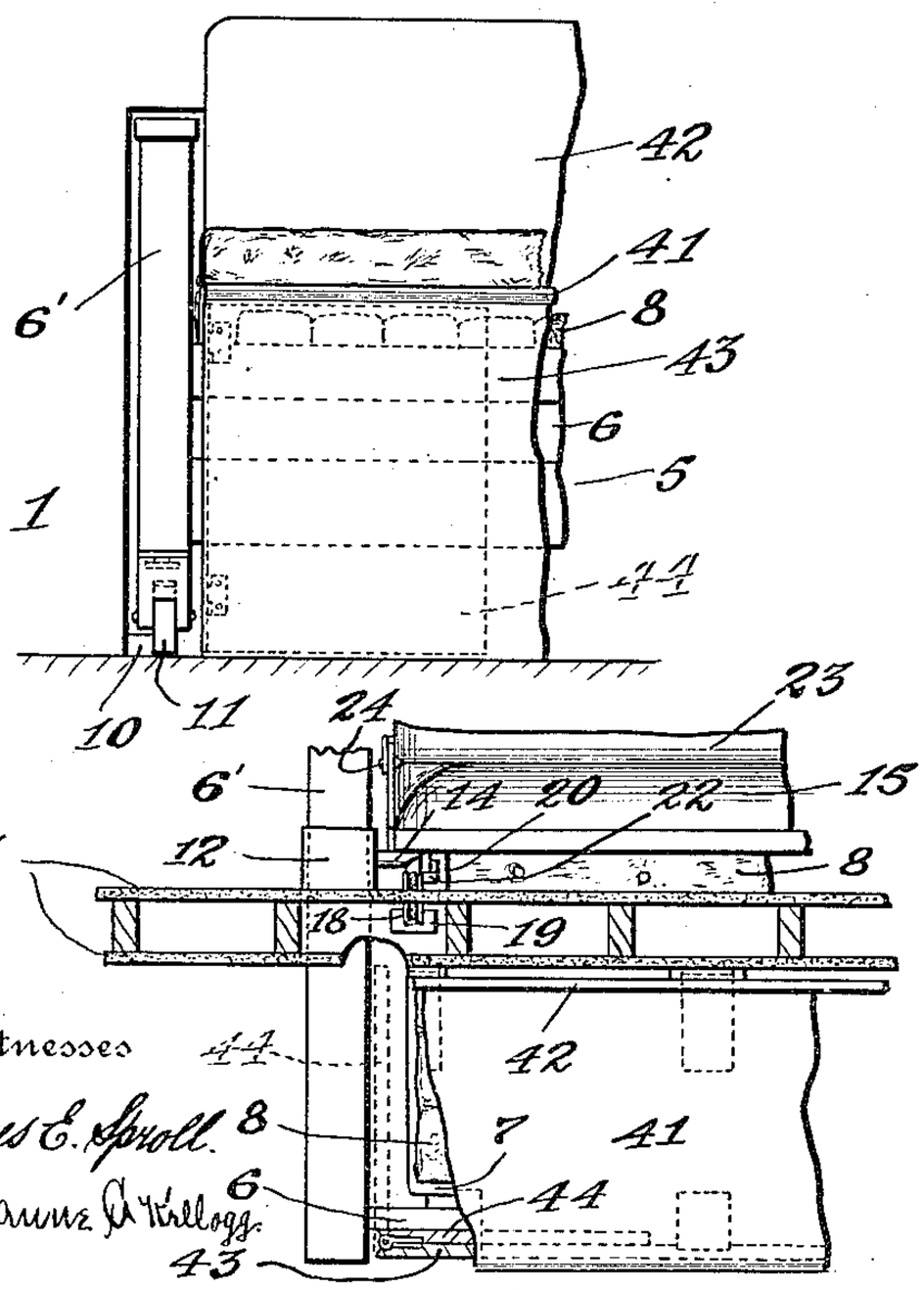


Fig. 9

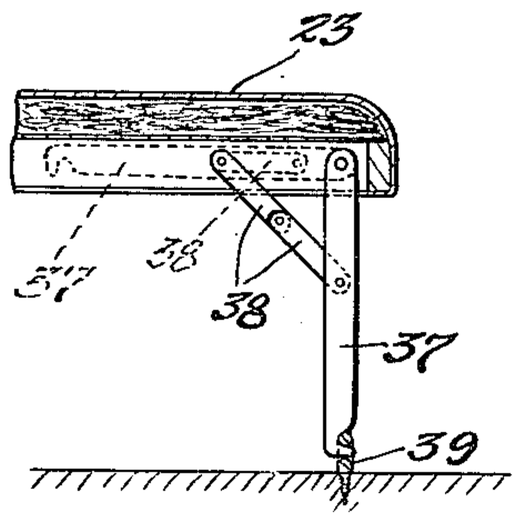


Fig. 12

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UNITED STATES PATENT OFFICE.

NATHAN W. WILLIAMS, OF SEATTLE, WASHINGTON.

COMBINED BED AND DAVENPORT.

1,136,857. Specification of Letters Patent. Patented Apr. 20, 1915.

Application filed June 28, 1913. Serial No. 776,310.

To all whom it may concern:

Be it known that I, NATHAN W. WILLIAMS, a citizen of the United States of America, and a resident of the city of Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Combined Beds and Davenports, of which the following is a specification.

My invention has for its primary aim to provide an improved furniture in conjunction with an independent support or body, as a wall of a room in the house.

Further objects reside in the provision of means adapted for association with a bed or the like whereby the latter will serve as a davenport, and whereby a seat of like character may be formed on each side of a partition wall.

Other objects will appear as my description progresses and those features of construction, arrangements and combinations of parts on which I desire protection succinctly defined in the annexed claims.

In the drawings, wherein like characters of reference indicate like parts throughout the several views.

Figure 1, is a view disclosing the bed in an opening of the wall to serve as a davenport. Fig. 2, is a longitudinal section taken on line 2—2 of Fig. 1; Fig. 3, is a view similar to Fig. 1, but illustrating the bed removed from the wall opening and the seat elevated and folded against the back; Fig. 4, is a fragmentary section disclosing the manner in which the seat is fastened to the bedstead; Fig. 5, is a fragmentary section on line 5—5 of Fig. 3, showing the mounting of the back. Fig. 6, is an elevation of the connection of the back to the seat; Fig. 7, is a longitudinal section of the seat locking means; Fig. 8, is a view on line 8—8 of Fig. 2; Fig. 9 discloses the seat being employed with the bed removed and the supporting legs of the seat engaging the floor; Fig. 10, is an elevation, with parts in section, of a modification wherein a seat is provided on each side of the wall; Fig. 11, is a fragmentary front elevation of the stationary seat; and Fig. 12 is a top plan view of a portion of the seat and the partition wall, parts of the former being in section.

Referring more in detail to the drawings, 1 denotes a support in the form of a wall of a room, preferably being a partition between rooms of a building and provided with an opening 2, which leads to a compartment 2′ formed by a table or shelf 3, and its supporting walls or sidings 4, in the adjacent room. A bed 5, comprising a bedstead 6, a bed spring 7 and a mattress 8, is receivable partly within the opening whereby a portion normally projects from the wall 1. Oppositely disposed padded guides 9 in the recess or compartment 2′ serve as a directing means when inserting the bed, other guides 10, arranged on the floor and extending outwardly from the recess acting as guides for the castors 11, primarily during the initial inserting movement of the bed.

Above the head and footboards 6′, 6″, of the bed are arranged guide blocks 12 on the wall 1, the same being grooved, as at 13, to slidably receive the trunnions 14 of the back 15, which latter is adjustably suspended by the cords or ropes 16, secured to outstanding ears 17, thereof, from which they take over the sheaves 18, mounted on the wall to their weighted terminals 19. Adjacent the lower edge of the back and on the wall are provided spaced bearing blocks 20, each formed with a T shaped groove 21, for the reception of a similarly shaped stud or pin 22, of the back whereby the latter is limited against outward swinging movement. However a little play is provided in this connection to permit of a slight swinging movement of the back as will be set forth hereinafter. The lower portion of each groove 21, is closed to limit the downward movement of the back.

Reference numeral 23, designates a seat hingedly secured to the back at 24, which connection is provided with springs 25, for normally retaining the seat in an elevated position. A positive means 26, in the form of a chain engages a knob 27, on the seat when it is desired to lock the seat against the back, said chain passing through a sleeve 28, in the back and having an enlarged head 29, which retains the chain from displacement as well as serving as a weight to retract the chain when released from the knob 27. The seat is hollow and also open in the rear to receive the mattress 8 whereby the former will partake of the yieldability of the bed. The seat and back may be upholstered in a suitable design, the former being provided with rearward

extensions 30 which serve as a means for binding or concealing the mattress from view at the connection point, as is apparent. On the lower front edge of the seat, which in conjunction with the mattress serves more in the capacity of a supplemental seat section, are depending eye or staple members 31, adapted for reception by recesses 32, provided in the upper edge of the bedside rail. In adjoining recesses 33, are mounted the sliding bolts 34, normally held projected in recesses 32, for engagement with the staples 31, by springs 35, and adapted to be retracted by keys 36. Sufficient play in these locking connections is provided to permit of independent yielding movement of the seat, the latter, in yielding, tending to swing the back from the wall, for which movement the play of studs 22, in their grooves 21, is provided.

The bed is retained against movement by the seat's engagement with the side rail or reception of the mattress.

The seat 23, carries the foldable legs 37, braced by the jointed members 38, whereby the seat may be utilized without the bed, the lower terminals of the legs engaging in removable eyes 39, on the floor to retain the seat down against the action of springs 25. The seat is supported in the rear from sinking beyond a predetermined degree by studs 22, engaging the closed ends of the grooves 21. There being a limit to the downward movement of the seat, the yieldability of the latter will decrease when the spring 7, weakens through wear, sufficient to permit of the seat reaching its limit of movement. To accommodate for such the spring is adjustable vertically by the adjustable supports 40, on the bedstead. When the seat is raised the back may be elevated whereby access to the space between the mattress and shelf 3, may be had for utilizing said space for storage or other purposes.

In Figs. 10, 11, and 12 I have shown a stationary seat 41, in place of the shelf 3, having a back 42, a front wall 43, and swinging end walls 44, the latter swinging in against the front wall to permit the bed moving under said seat whereby the head and footboards may project out from the wall and serve as arm rests for the included seat 41. When the bed is withdrawn into the adjacent room the end walls 44, may be swung to the dotted line position in Fig. 12, for closing the space beneath the seat as well as providing additional supports for the latter.

Having thus described my invention what I claim as new, and desire to secure by Letters Patent of the United States of America, is:—

1. In furniture of the character described, in combination, with an upright support having an opening therein, a bed movably disposed in the opening of said support and adapted to project therefrom, means retaining the bed from movement, and a slidable back mounted on the support above the bed to provide a back for the projecting portion of the bed which forms a seat.

2. In furniture of the character described, in combination with an upright support, a bed, a back on the support adapted to form a back for the projecting bed, and a supplemental seat section carried by the back and adapted to rest on the bed.

3. In furniture of the character described, in combination with an upright support, a bed, a back on the support adapted to form a back for the projecting bed, and a supplemental seat section swingingly carried by the back and engaging the bed to prevent independent movement of the latter with respect to the back.

4. In furniture of the character described, in combination with an upright support, a bed, a back on the support adapted to form a back for the projecting bed, and a hollow supplemental seat section carried by the back and adapted to receive the mattress of the bed.

5. In furniture of the character described, in combination with an upright support, a bed, a back on the support adapted to form a back for the projecting bed, and a supplemental seat section carried by the back and provided with a depending edge projection engaging the side rail of the bed.

6. In furniture of the character described, in combination with a support, a seat, a back for the seat, suspending cables fastened to the back and guided by the support, and counter-weights on the free terminals of the cables.

7. In furniture of the character described, in combination with a support, a back, a seat carried by the back, suspending cables fastened to the back and guided by the support, and counter-balance means connected to the free terminals of the cables for retaining the back in an adjusted position.

Signed at Seattle, Washington this 21st day of June 1913.

NATHAN W. WILLIAMS.

Witnesses:
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H. E. SPENCE.

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