

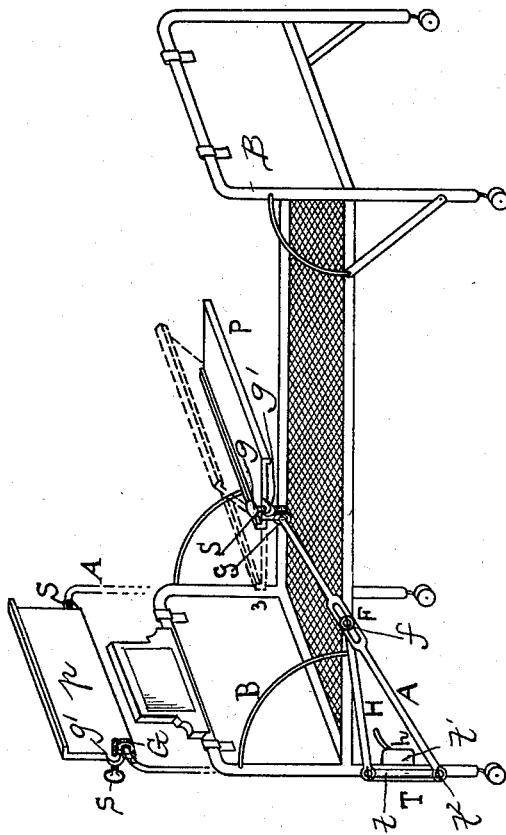
No. 647,527.

Patented Apr. 17, 1900.

W. SCHLEUNING.
INVALID BED TABLE.

(Application filed June 5, 1899.)

(No Model.)



Witnesses:

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UNITED STATES PATENT OFFICE.

WILHELM SCHLEUNING, OF FREIHUNG, GERMANY.

INVALID-BED TABLE.

SPECIFICATION forming part of Letters Patent No. 647,527, dated April 17, 1900.

Application filed June 5, 1899. Serial No. 719,497. (No model.)

To all whom it may concern:

Be it known that I, WILHELM SCHLEUNING, a subject of the Grand Duke of Baden, residing at Freihung, Oberpfalz, Bavaria, Germany, have invented an Improvement in Invalid-Bed Tables, of which the following is a specification.

My invention has relation to improvements in invalid-beds; and the object is to provide a bed of ordinary construction with a shelf or table-board so arranged and constructed and supported that it may be moved up and down in a vertical plane to suit the convenience of a person occupying the bed and may also be set and supported at any desired height for use, and also so that the shelf or table may be adjusted at an incline to the patient or person when in use.

The invention therefore consists in the novel construction and combination of parts, as will be hereinafter more fully described and specified and the novelty thereof particularly and distinctively pointed out in the claims.

The invention is fully and clearly illustrated in the accompanying drawing, to be taken as a part thereof, and wherein is shown a perspective view of a bedstead having the improvements operatively applied and connected thereto, the shelf or table being shown both as turned up into vertical position and also as turned down into position for use and the various positions to which the shelf or table may be turned shown in dotted lines.

Referring to the drawing, B designates a bedstead, which may be of any approved construction. On the legs of the head-frame of the bedstead are slidingly fitted sleeves T, provided with a vertical slot *t* and provided with a laterally-projecting plate or lug *h*, to which is pivotally connected a short lever *h*, having an eccentric lower or inner end which engages the surface of the bed-post, so that the sleeves T may be adjustingly moved up or down vertically and then set in the desired position by the engagement of the lever. In the lower end of the slot of the head-frame are pivotal bolts *f*², to which are pivotally connected supporting-arms A, extending the required distance, and on the upper and free ends of which is supported the shelf or table P, as will be hereinafter more fully specified.

In the supporting bars or arms A is formed a longitudinal slot F of a determined length and wherein is slidingly arranged a bolt *f*, to which is suitably connected a brace-rod H, having its rear end suitably connected in the vertical slot *t* to slide vertically therein, so that the supporting-frame may be turned up vertically, as indicated in the drawing, it being readily perceived that by loosening the screw *f*, so that the end of the brace-bars H are made slidable, the frame may be turned up to a vertical position, in which movement the rear end of the brace-rods slide down in the slots in the sleeves, and then by tightening the screw *f* the frame is held in a set position, and when it is desired to turn the frame down for use, the screw *f* is again loosened and the frame swung downward to the desired position, and when it reaches such position the screw *f* is again tightened and the frame, with the shelf or table, is held set and fixed in usable position. The table or shelf P is pivotally secured and supported between the outer ends of the bars A, and on the end of one of the bars A is fixed a small pinion or worm G, which is engaged by a screw *g*, let through a threaded lug *g*^x projecting from the table or shelf.

It will be perceived from the foregoing description, in connection with the drawing, that, by turning the screw *g* into engagement with the pinion or worm and the threaded connection to the table, the table can be turned on its pivotal supports to any desired angle, and that the table will be held at such angle by the screw-and-pinion connection.

Having thus described my invention, what I claim is—

1. In an invalid-bed table, the combination with the head-frame, of the bed, of vertically-movable sleeves, on the posts of the head-frame, formed with vertical slots, supporting-arms pivotally connected to the said sleeves, brace-rods having one end pivotally and slidingly connected to said sleeves and the other end pivotally and slidingly connected to the said supporting-arms, and a table or shelf pivotally supported between the free ends of said supporting-arms, substantially as described.

2. In an invalid-bed table, the combination with the head-frame of the bed, of vertically-

movable sleeves, on the posts of the head-frame, formed with vertical slots, supporting-arms pivotally connected to the said sleeves, brace-rods having one end pivotally and slidingly connected, to said sleeves and the other end pivotally and slidingly connected to the said supporting-arms, a table or shelf pivotally supported between the free ends of the supporting-arms, and means to hold the table at any angle on its pivots, substantially as described.

3. In an invalid-bed table, the combination with the head-frame of the bed, of vertically-movable sleeves, on the posts of the head-frame, formed with vertical slots, supporting-arms pivotally connected to the said sleeves,

brace-rods having one end pivotally connected to the said sleeves and to travel in said slots and the other end pivotally and slidingly connected to the said supporting-arms, a table or shelf supported between the free ends of the supporting-arms, a worm or pinion fixed on the free end of one of the supporting-arms, and a screw projected through the table into engagement with the worm, substantially as described.

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

WILHELM SCHLEUNING.

Witnesses:

HEINRICH FIETH,
KARL KUNZ.