

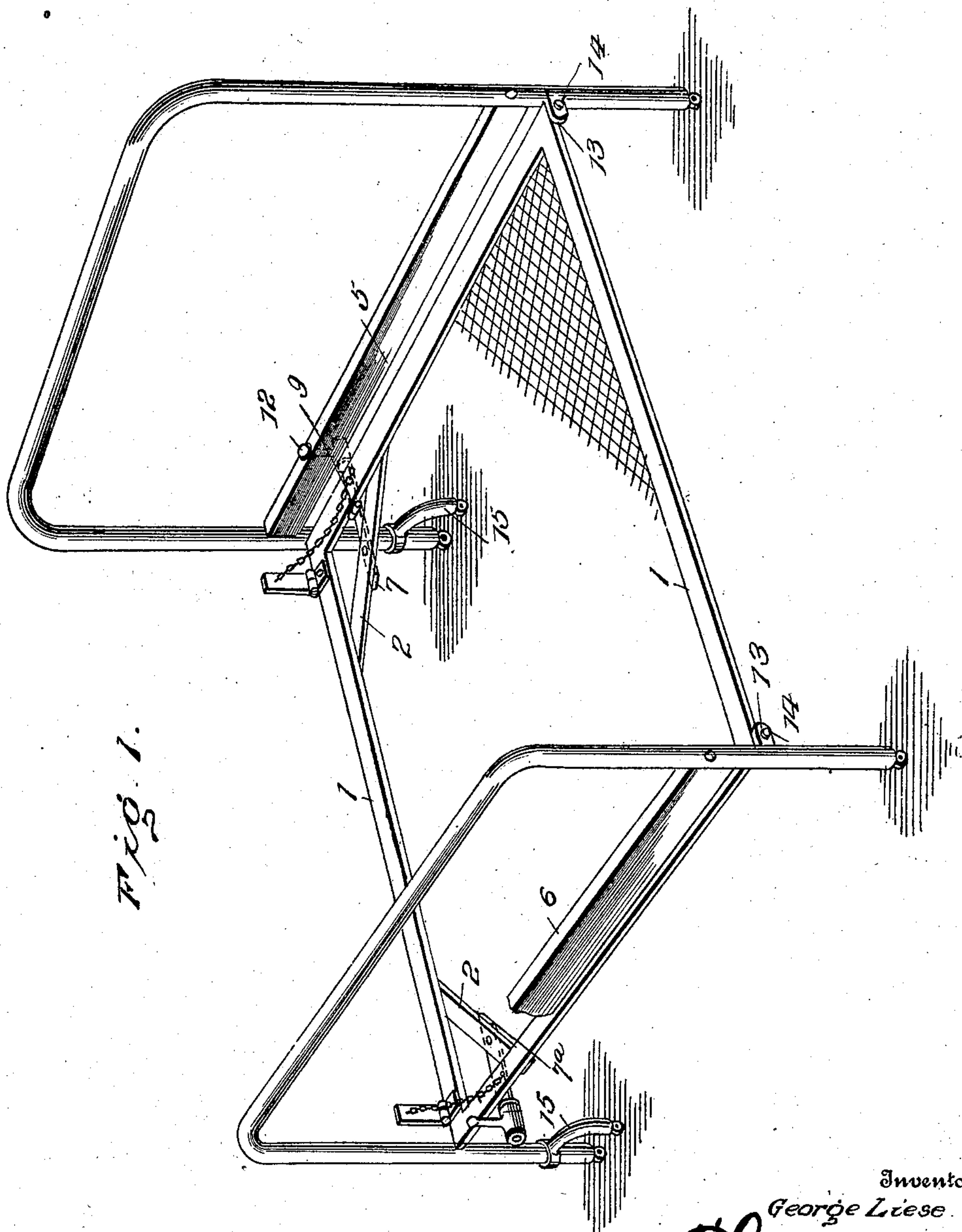
No. 858,402.

PATENTED JULY 2, 1907.

G. LIESE.
FOLDING BED.

APPLICATION FILED DEC. 28, 1906.

2 SHEETS—SHEET 1.



Witnesses

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L. L. Watt

Inventor
George Liese.

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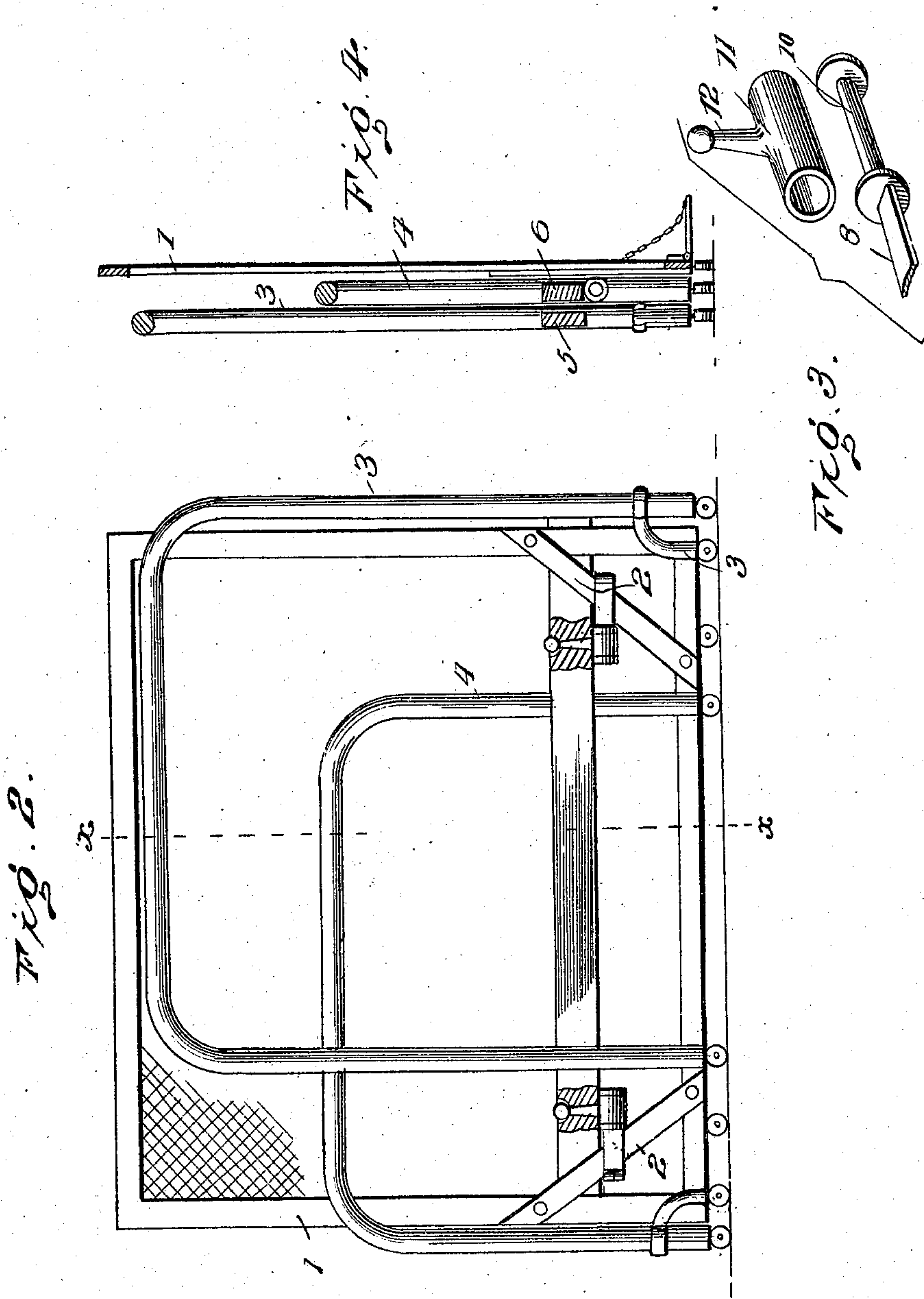
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UNITED STATES PATENT OFFICE.

GEORGE LIESE, OF DENVER, COLORADO.

FOLDING BED.

No. 858,402.

Specification of Letters Patent.

Patented July 2, 1907.

Application filed December 28, 1906. Serial No. 349,899.

To all whom it may concern:

Be it known that I, GEORGE LIESE, a citizen of the United States, residing at Denver, in the county of Denver and State of Colorado, have invented certain new and useful Improvements in Folding Beds, of which the following is a specification.

This invention has for its object a simple, durable and efficient construction of folding bed, and the invention consists in certain constructions and arrangements of the parts which I shall hereinafter describe and claim, reference being had to the accompanying drawings, in which:

Figure 1 is a perspective view of a bed embodying the invention; Fig. 2 is a view showing the bed folded; Fig. 3 is a detail view of one of the joints; and, Fig. 4 is a transverse sectional view on the line $x-x$ of Fig. 2.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The bed comprises a truss frame 1 provided at one side with two corner braces 2, and head piece 3, and foot piece 4, that are provided, respectively, with cross bars 5 and 6. Between the two sides of the truss frame 1 are preferably metallic straps 7 and 7^a secured, respectively, to the corner braces 2.

8 designates a strap which is hinged to the strap 7 to move in a vertical plane when the truss frame lies horizontally, and the strap 8 is provided at its extremity with a spindle 10 on which a sleeve 11 is mounted to turn, said sleeve being provided with a vertically extending pintle 12 formed at its extremity with a preferably rounded head. The strap 7^a is similarly provided with a spindle end on which a corresponding sleeve with pintle is mounted. The two pintles extend upwardly through the cross bars 5 and 6 of the head and foot pieces between the ends of said cross bars, and the said head and foot pieces are mounted to swing in a horizontal plane about these pintles which constitute their vertical axes. The opposite side of the truss frame is adapted for detachable engagement with latch pins 14 extending through ears 13 projecting towards each other from the head piece and foot piece, respectively.

15 designates two braces which extend inwardly and downwardly underneath the pintles 12 and are adapted

to engage with the floor, said braces being provided with casters, as shown.

Figure 1 illustrates the bed in its extended or operative position. When it is desired to fold the bed, the latch pins 14 are withdrawn and the truss frame 1 is turned about the spindles 10 as axes so as to assume a vertical position, spaced from the wall and thereby provide accommodation for the bed clothes and mattress in a vertical position between the truss frame and the wall. The head and foot pieces of the bed are then swung upon their pintles 12 and folded one upon the other and upon the truss frame, the hinged connection 9 between the straps 8 and 7 permitting the head piece to be swung in and lie substantially flush with the side edge of the truss frame in vertical position, so as to occupy a minimum amount of space when folded.

It is to be particularly noted that the truss frame is mounted to swing upon axes that are located between its sides. Hence, when one side of the frame is swung upwardly, the other will swing downwardly in proximity to the floor, and the frame will not occupy the same amount of space vertically as it would if it were hinged at one side. It is also to be noted that this arrangement of pivoting the truss frame provides a space between the frame in vertical position and the wall for the accommodation of the bed clothes and mattress before the foot pieces are folded inwardly upon each other and upon the frame, thereby avoiding the necessity of first pulling the bed out from the wall before folding it.

Having thus described the invention, what is claimed as new is:

A folding bed comprising a truss frame provided at one side with corner braces, hinged straps connected to said corner braces and projecting in opposite directions at points between the sides of the truss frame, head and foot pieces, each of which is provided with a cross bar, and two-way hinged connections between the said straps and the cross bars intermediate of the ends of the latter, as and for the purpose set forth.

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

GEORGE LIESE. [L. S.]

Witnesses:

ERLING E. OLSEN,
OTTO H. LIESE.