

E. L. ELLIOTT & W. H. SCHROEDER.

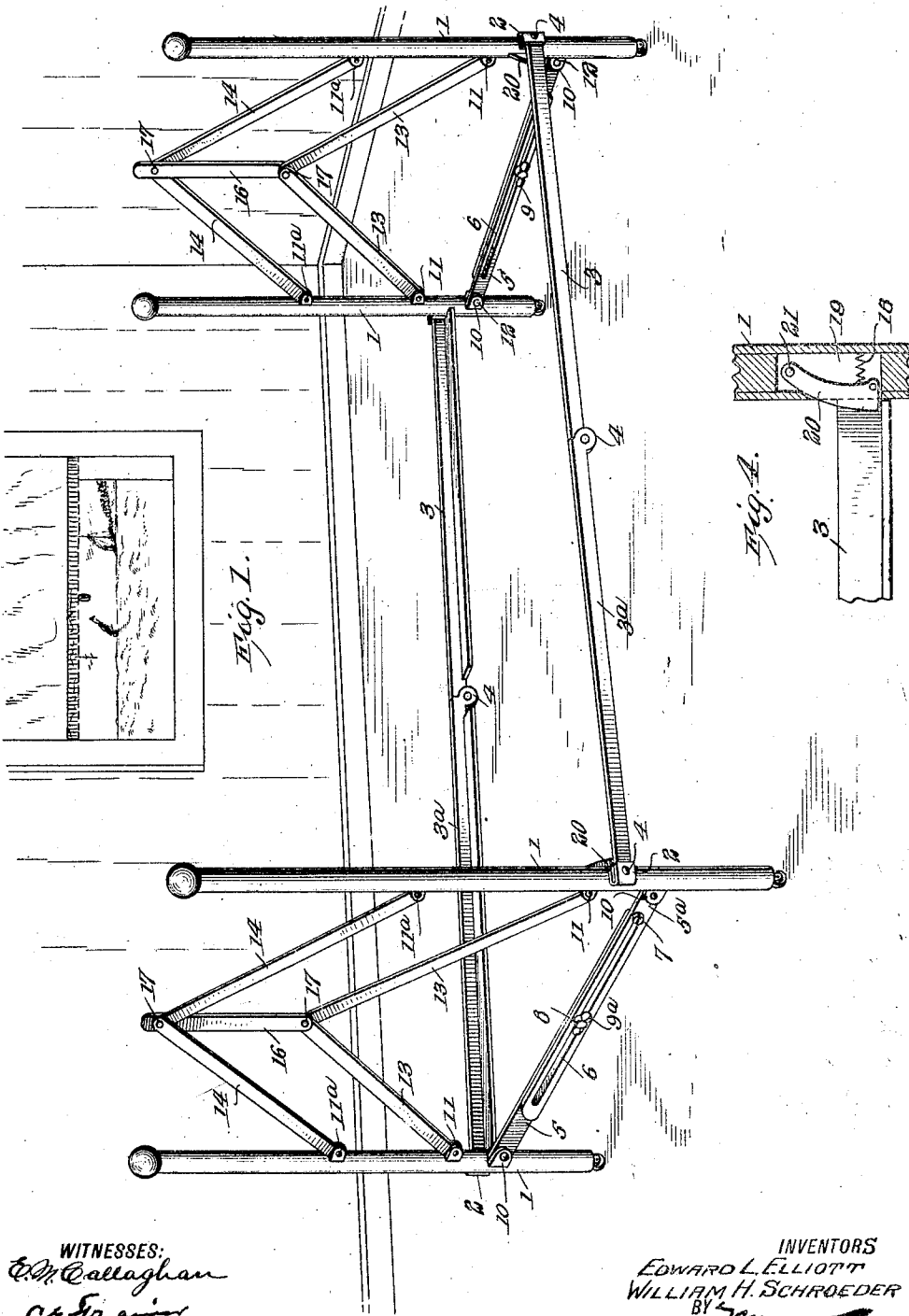
FOLDING BEDSTEAD.

APPLICATION FILED JULY 7, 1910.

971,433.

Patented Sept. 27, 1910.

2 SHEETS—SHEET 1.



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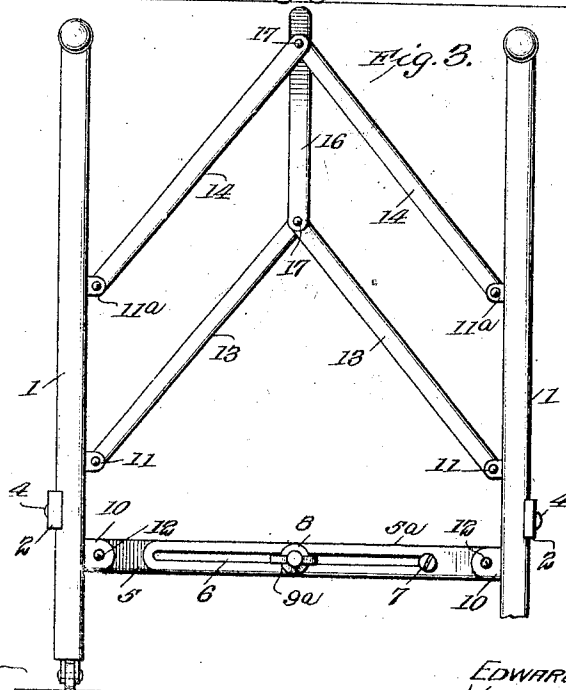
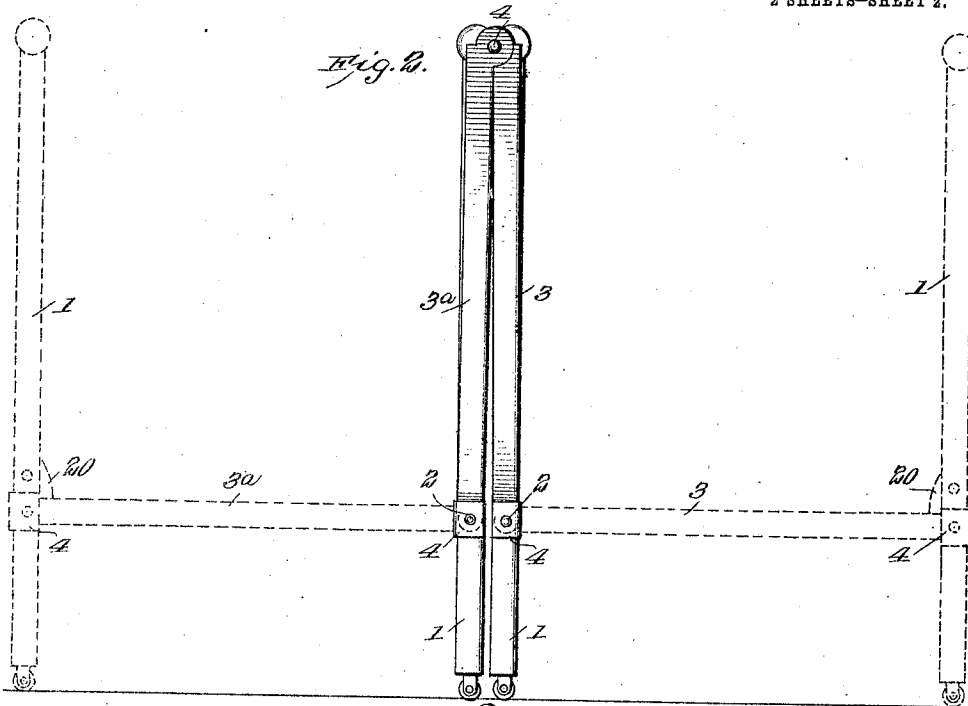
FOLDING BEDSTEAD.

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2 SHEETS—SHEET 2.

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UNITED STATES PATENT OFFICE.

EDWARD LELAND ELLIOTT AND WILLIAM HENRY SCHROEDER, OF COQUILLE, OREGON.

FOLDING BEDSTEAD.

971,433.

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To all whom it may concern:

Be it known that we, EDWARD LELAND ELLIOTT and WILLIAM HENRY SCHROEDER, citizens of the United States, and residents of Coquille, in the county of Coos and State of Oregon, have invented certain new and useful Improvements in Folding Bedsteads, of which the following is a specification.

Our invention is an improvement in folding bedsteads, and consists in certain novel constructions of parts hereinafter described and claimed.

The object of the invention is to provide a bed of the character specified, which may be folded into small compass and which may be contracted and expanded laterally to form a single or a double bed, and which may be securely held in either position.

Referring to the drawings forming a part hereof, Figure 1 is a perspective view of the improvement. Fig. 2 is a side view, showing the bed folded in full lines and unfolded in dotted lines. Fig. 3 is an end view from the head, parts thereof being in sections, and Fig. 4 is a sectional view showing the catch.

The embodiment of the invention shown in the drawing consists of four uprights or posts, two side rails, and two end rails, and each of the posts may be of any desired suitable material and may be shaped and ornamented in any desired manner. In the drawing the posts are shown plain for convenience.

Each of the uprights 1 is, in the embodiment shown provided with a substantially U-shaped hanger 2 secured on the outer side of the post, and the posts are so arranged that the hanger of each head post faces the hanger of the corresponding member of the foot posts.

Each of the side rails is composed of two sections 3 and 3^a hinged together at their meeting ends at 4, the hinge connection being a rule joint as shown, and opening upward; that is, the meeting ends of the side rails must be moved upwardly with respect to the other ends to bend the joint. By this arrangement when the sections are in alignment, they are retained in such position by the rule joint. The outer end of each section fits in the hanger of the adjacent post, and is pivoted by a pin 4.

Each of the end rails is in two sections 5 and 5^a, and each section is provided with a longitudinal slot 6. One of the

sections 5 is provided with a headed pin 7 engaging the slot 6 of the other, and a threaded stem 8 is pressed through the registering slots and engaged by a wing nut 9 to hold the sections in adjusted position. The stem is provided with a winged headed nut 9^a, and it is evident that when the nut is lowered, the end rail may be lengthened or shortened.

The end rails are pivoted to the posts 1 by means of pins 12 passing through ears 10 on the post and through the end of the rail to secure it in place.

Links 13 and 14 are pivoted by one of its ends to ears 11 and 11^a on the post, and a pin 15 passes through the ears and the links to secure them in place. A lever 16 is arranged in a vertical position between each pair of posts and the inner ends of the links are pivoted to the lever, as at 17, and each link is pivoted to the corresponding link on the other side.

When the bed is unfolded it takes the position shown in Fig. 1, with the side rail sections in alinement and supported by the rule joint and the pins 4. Each post 1 is provided with a recess 19, in which is pivoted a catch 20, and 21, and a spring 18 normally holds the catch in outward position shown in Fig. 4, the catch engaging the upper face of the adjacent section of the side rail.

When it is desired to fold the bed, the side rail sections are folded onto each other by lifting the meeting ends of the sections and approaching the head posts to the foot posts, until they are in contact as shown in Fig. 2, the catches being first pressed normally into the recesses. The bed now occupies but little room and may be further folded by removing thumb screw 9 from the end rails and moving the sections of the end rails and levers 16 upwardly thus approaching the head posts toward each other and the foot posts toward each other as in Fig. 4.

The principal object of the connection between the head posts and between the foot posts is to widen or narrow the bed, and this is done by loosening the set screw 9. When this is loosened, the sections 5 and 5^a may be moved longitudinally from each other, and the lever 16 being pushed downwardly, the foot posts are moved apart thus widening the bed as indicated in dotted lines in Fig. 2.

The pin or rivet 7 limits the outward movement of sections 5 and 5^a and the links and

levers and the tightening of set screw 9 locks the posts in their extended position.

It will be understood that any form of spring mattress may be used.

5 We claim—

1. A folding bedstead, comprising a pair of head posts and a pair of foot posts, a side rail connecting the adjacent posts of the head and foot, each rail consisting of a plurality of sections hinged with an upwardly bending rule joint at their meeting ends, the outer end of each rail being pivoted to the post; sectional end rails, the sections being slidably connected at one end and pivoted to the posts at the other, means for securing the sections in adjusted position, a vertical lever between each pair of posts, and links connecting the ends of the levers to the posts on each side, said links being pivoted to the lever and to the posts, and a catch for each post, the foot post having a recess for the catch, said catch being pivoted in the recess and extending above the side rail when in outward position, and a spring normally pressing the catch outwardly.

2. A folding bedstead, comprising a pair of head posts and a pair of foot posts, a side rail connecting the adjacent posts of the head and foot, each rail consisting of a plurality of sections hinged with an upwardly bending rule joint at their meeting ends, the outer end of each rail being pivoted to a post, each of said posts having a catch for preventing upward movement of the rail, springs normally holding the catches in engaging position, end rails each consisting of a plurality of sections, the sections having

each a longitudinal slot, and one having a pin fitting in the slot, a set screw engaging the slots of both sections, a vertical lever between each pair of posts, and links connecting the ends of the levers to the posts on each side, said links being pivoted to the lever and to the posts.

3. A folding bedstead, comprising a pair of head posts and a pair of foot posts, a side rail connecting the adjacent posts of the head and foot, each rail consisting of a plurality of sections hinged with an upwardly bending rule joint at their meeting ends, the outer end of each rail being pivoted to a post, each of said posts having a recess above the connections of the rail, a catch in the recess, and a spring normally pressing the catch outward.

4. A folding bedstead comprising a pair of head posts and a pair of foot posts, sectional side and end rails connecting the posts, one section of each of said rails being pivoted to a post, the sections of the side rails being hinged intermediate the posts, and the sections of the end rails being slidably connected intermediate the posts, means for locking the sections of the side rails in alinement, means for securing the sections of the end rails in adjustment, and means for moving the members of the pair of head posts and the members of the pair of foot posts toward and from each other.

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Witnesses:

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