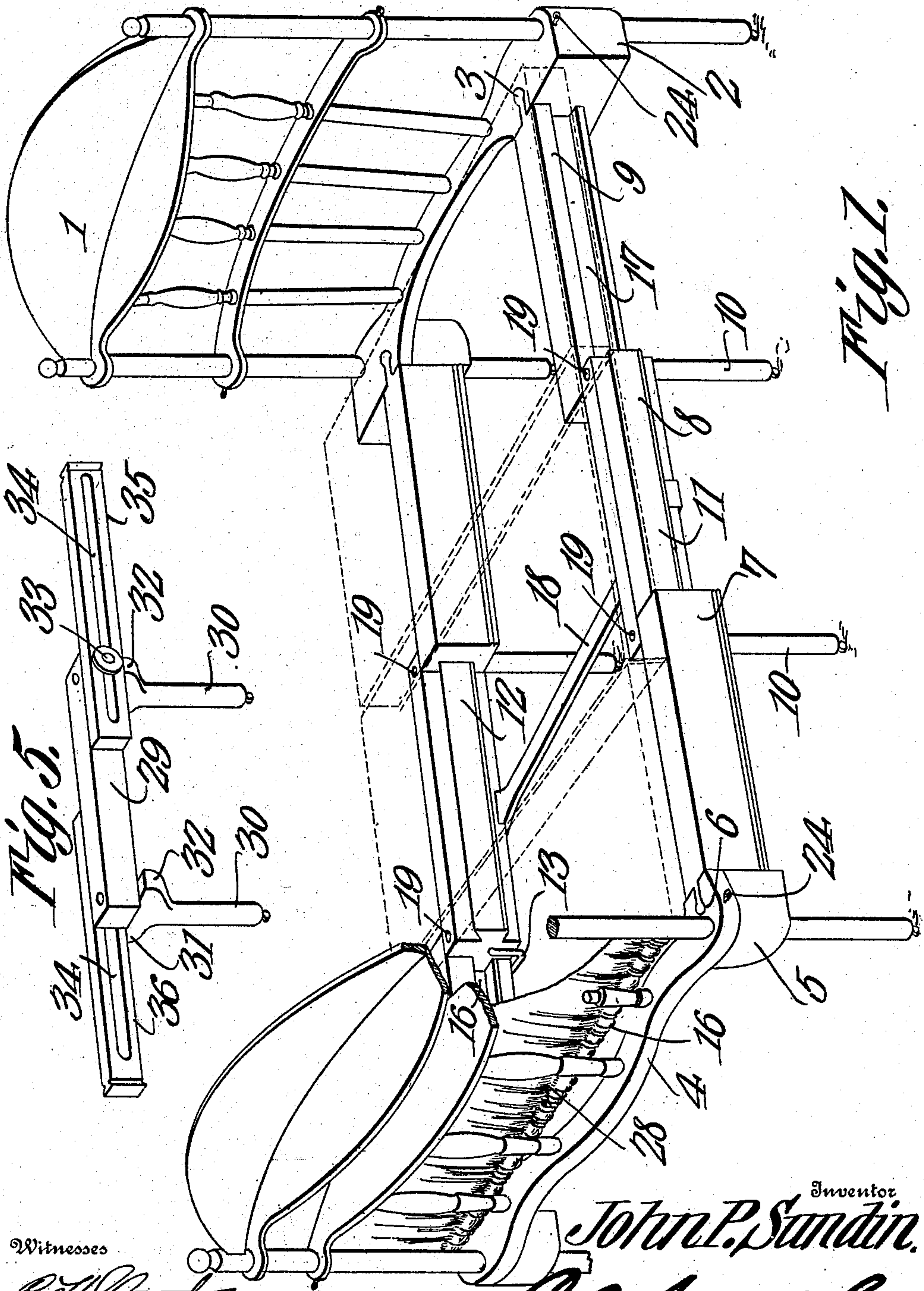


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EXTENSION BED.
APPLICATION FILED JAN. 9, 1908.

Patented Dec. 1, 1908.
2 SHEETS—SHEET 1.



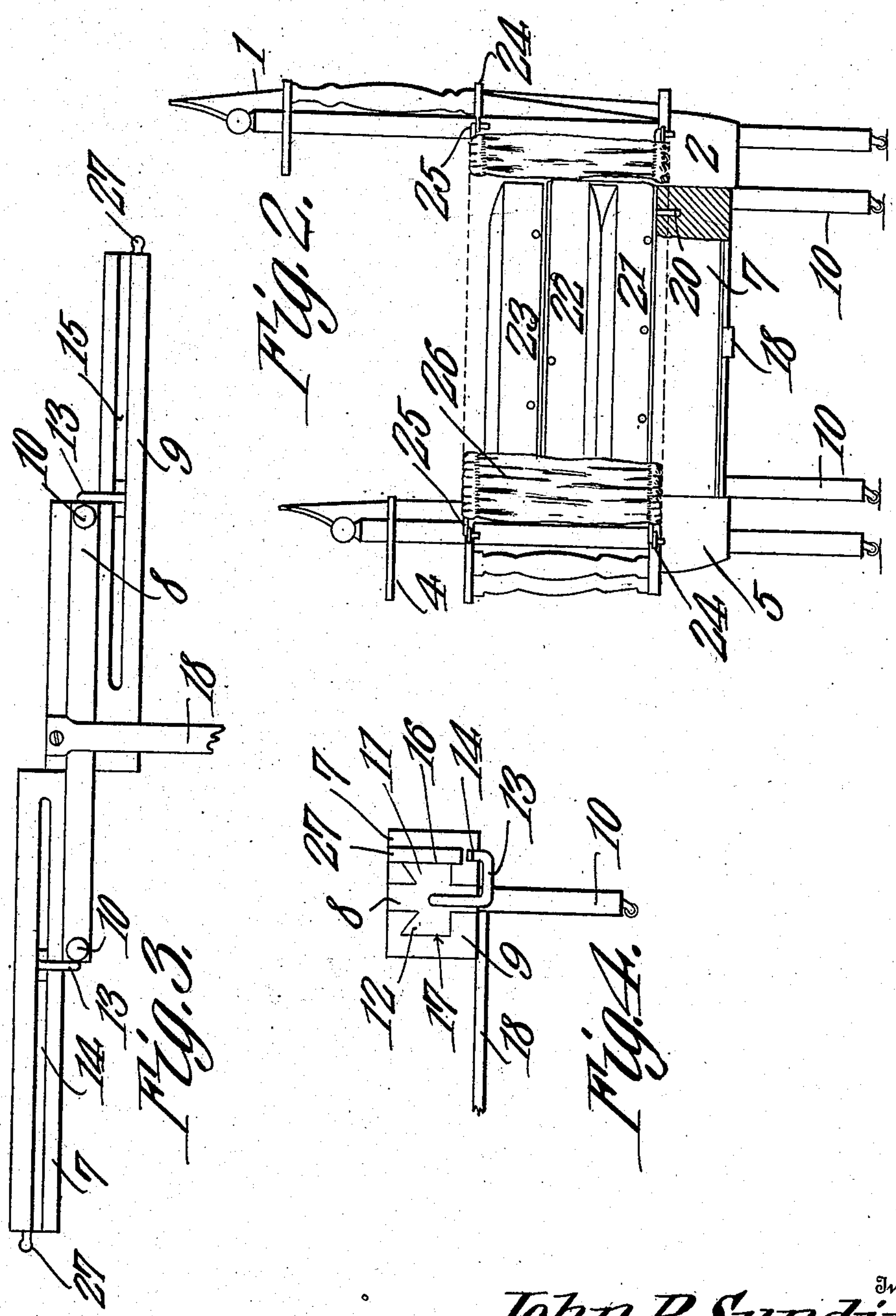
Witnesses
E. J. Stewart
Herbert Lawson

Inventor
John P. Sundin.
By *C. A. Snow & Co.*
Attorneys.

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Witnesses
E. J. [Signature]
Robert D. [Signature]

Inventor
John P. Sundin.
By *C. A. Snow & Co.*
Attorneys

UNITED STATES PATENT OFFICE.

JOHN PERSON SUNDIN, OF ARCATA, CALIFORNIA.

EXTENSION-BED.

No. 905,246.

Specification of Letters Patent.

Patented Dec. 1, 1908.

Application filed January 9, 1908. Serial No. 410,062.

To all whom it may concern:

Be it known that I, JOHN PERSON SUNDIN, a citizen of the United States, residing at Arcata, in the county of Humboldt and State of California, have invented a new and useful Extension-Bed, of which the following is a specification.

This invention relates to extension beds and its object is to provide a simple, durable and compact article of furniture of this character which can be quickly extended or folded, the side rails thereof being so constructed as to telescope or collapse to permit the necessary shortening or folding of the bed.

Another object is to provide a bed having side rails of novel construction whereby the movably connected sections are firmly secured together although capable of independent longitudinal movement.

Another object is to provide a bed bottom made up of sections designed to be folded when the bed is folded or collapsed, one of said sections having means for engaging the side rails so as to prevent accidental displacement of the bed bottom.

A still further object is to provide means detachably connected to the bed whereby the sections of the bed bottom may be concealed at the sides and foot of the bed when the bed is folded.

With these and other objects in view the invention consists of certain novel features of construction and combinations of parts which will be hereinafter more fully described and pointed out in the claims.

In the accompanying drawings is shown the preferred form of the invention.

In said drawings: Figure 1 is a perspective view of a bed constructed in accordance with the present invention, a portion of the footboard being broken away and the bed bottom being shown by dotted lines. Fig. 2 is a side elevation of the bed folded, a portion of the side curtain being broken away and one of the side rails being shown partly in section. Fig. 3 is an inverted plan view of one of the side rails partly folded or collapsed. Fig. 4 is an end elevation of one of the side rails. Fig. 5 is a perspective view of a modified form of side rail.

Referring to the figures by characters of reference, 1 designates the headboard of the bed, the same being provided with corner irons 2 having sockets 3 for tongues such as ordinarily employed at the ends of the side rails of beds, these sockets, however, being

disposed within the irons at points removed from the outer ends thereof as clearly indicated in Fig. 1. The footboard 4 of the bed is also provided with irons 5 having sockets 6 to receive the tongues of side rails. These sockets are located close to the outer ends of the irons and out of longitudinal alinement with the sockets 3.

One of the principal features of the present invention resides in the peculiar construction and arrangement of the side rails. Each of these rails is preferably formed of three sections, 7, 8, and 9 respectively, the middle section 8 being provided with legs 10 and having located on its outer face a longitudinally extending tongue 11 dove-tail in form, there being another longitudinal dove-tail tongue 12 upon the inner face of said section. Secured to each end of each intermediate section 8 is a hook-like retaining device 13 which extends downward below the section 8 and laterally therefrom, the upturned end of one of the sections being disposed to ride within a longitudinal groove or guide 14 in the adjoining section 7 while the upturned end of the other member 13 is designed to ride within a longitudinal groove or guide 15 formed within the adjoining section 9. The grooves 14 and 15 terminate short of the ends of their respective sections and the hooks 13, by projecting into them, constitute means for limiting the movement, longitudinally of the sections 7 and 9. A dove-tail groove 16 is formed longitudinally in the inner face of each section 7 and the tongue 11 of the adjoining section 8 is designed to work therein. Another dove-tail groove 17 is formed longitudinally in the outer face of each section 9 and the inner tongue 12 of the adjoining section 8 is designed to work within this groove. The parts are preferably so proportioned that when the sections of each rail are collapsed those ends thereof adjoining the headboard 1 will be entirely lapped by the corner irons 2 so that the folded bed will present a neat as well as attractive appearance. A cross bar 18 is detachably secured in any suitable manner to the middle portions of the sections 8 so as to hold said sections properly spaced apart and prevent the side rails from bending inwardly or outwardly. Sockets 19 are formed in the upper faces of sections 8 near their ends and are designed to receive pins 20 extending downward from the corners of a rectangular bed bottom section 21.

The bed bottom is preferably formed of three sections, two of them, 21 and 22, being connected together by means of a fabric hinge or straps while the third section 23 is
 5 separate from the sections 21 and 22 and can be used in connection therewith when the bed is extended to its greatest length or can be entirely disposed with, if it is desired to use a bed of two-thirds length. Eyes 24
 10 extend beyond the sides of the headboard 1 and the footboard 4 and are designed, when the bed is folded as shown in Fig. 2, to receive the hooked ends of rods 25 on which curtains 26 are mounted.

15 It is of course to be understood that the side rails hereinbefore described can be secured to the corner irons 2 and 5 in the usual manner as by providing the sections 7 and 9 with tongues 27 designed to fit within the
 20 recesses 2 and 6. After the rails have been secured in place in this manner the bed can either be folded or extended by moving the footboard toward or from the headboard. In either instance, the sections will move
 25 either into or out of telescopic position and if the bed is extended the bed bottom can be placed on the rails in the manner hereinbefore described. To collapse the bed the sections 21 and 22 are folded on each other and
 30 the section 23 placed on top of them after which the footboard is moved toward the headboard until all of the sections of the side rails are brought into contact with the corner irons 2. The curtains 26 can then be
 35 suspended from the sides of the bed by placing rods 25 in engagement with the eyes 24 as indicated in Fig. 2. The sides of the bed bottom will therefore be concealed and the bed will not only occupy a much smaller
 40 space but will also present an attractive appearance. It is deemed desirable to provide a curtain 28 upon the footboard 4 as indicated in Fig. 1. This curtain need not be removable as are the curtains 26 and when
 45 it is in position it serves to conceal the bed bottom when the bed is folded.

Instead of constructing the side rails in the manner hereinbefore described each rail may consist of an intermediate section 29
 50 having legs 30 extending therefrom each leg being provided with laterally extending shoulders 31 and 32 close to the lower face of the section 29. Guide studs 33 extend in opposite directions from the section 29 close
 55 to the ends thereof and these studs project through longitudinal slots or guides 34 formed within the sections 35 and 36 of the rail. The section 36 is designed, when the rail is folded, to rest upon the shoulders 31
 60 of the legs while under the same conditions the section 34 is designed to rest upon the shoulders 32. To extend the rails the same

are pulled longitudinally as indicated in Fig. 5. By providing shoulders 31 and 32 the guide studs 33 are relieved of all trans- 65
 verse strains resulting from the application of pressure to the sections 35 and 36.

What is claimed is:

1. A side rail for beds comprising an intermediate section and end sections, said in- 70
 termediate section having means extending beyond opposite faces thereof for engagement with the end sections to support the same, each of said end sections having a longitudinal guide terminating short of the 75
 ends thereof, members carried by the end portions of the intermediate member for projecting into said guides to limit the independent movement of said sections, means upon the end sections for engaging the head 80
 and footboards respectively of a bed, and legs fixedly secured to and extending from the end portions of the intermediate section.

2. The combination with a headboard and a footboard; of telescopic side rails detach- 85
 ably connected thereto, each rail comprising an intermediate section having longitudinal dove-tail tongues on opposite faces thereof, end sections having longitudinal grooves for receiving the respective tongues of the inter- 90
 mediate section, each of said end sections having a longitudinal groove terminating short of the ends thereof, and hooked members carried by the end portions of the inter- 95
 mediate member and projecting into the last mentioned grooves to limit the independent movements of the end sections.

3. The combination with a headboard and a footboard; of telescopic side rails detach- 100
 ably connected thereto, each rail comprising an intermediate section having longitudinal dove-tail tongues on opposite faces thereof, end sections having longitudinal grooves for receiving the respective tongues of the inter- 105
 mediate section, each of said end sections having a longitudinal groove terminating short of the ends thereof, hooked members carried by the end portions of the intermediate member and projecting into the last men- 110
 tioned grooves to limit the independent movements of the end sections, a rigid connection between the intermediate sections of the two rails, said intermediate sections having sockets, a sectional bed bottom, and means upon one of said sections disposed to 115
 be seated in the sockets.

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

JOHN PERSON SUNDIN.

Witnesses:

A. W. ERICSON,
 J. V. ROBINSON.