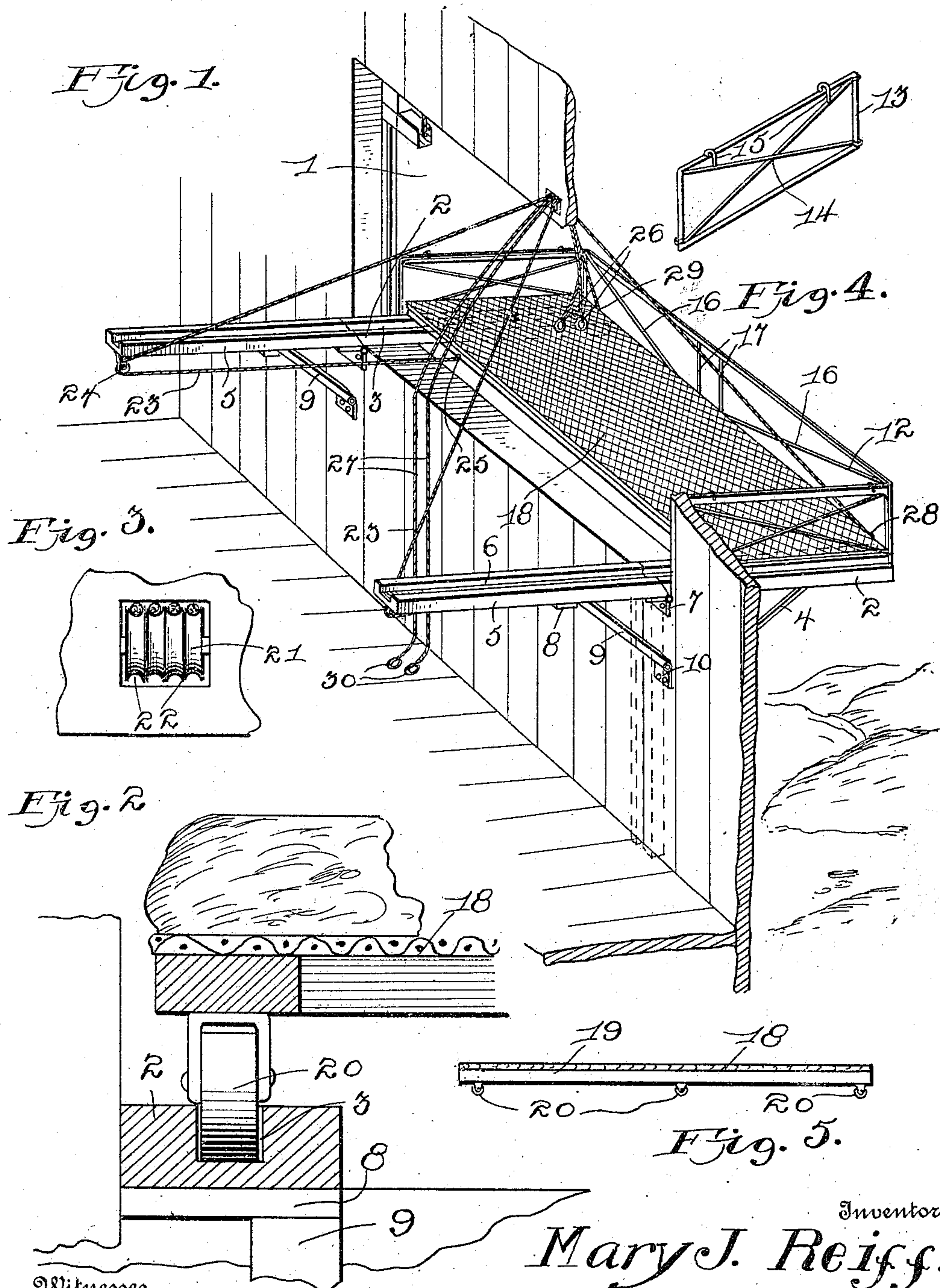


M. J. REIFF.
INVALID'S BED.
APPLICATION FILED AUG. 11, 1909.

989,875.

Patented Apr. 18, 1911.



Witnesses
J. W. Will

J. W. L. McCallum

Inventor
Mary J. Reiff.
By E. O. Norman,
Attorney.

UNITED STATES PATENT OFFICE.

MARY JANE REIFF, OF LOS ANGELES, CALIFORNIA.

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Specification of Letters Patent.

Patented Apr. 18, 1911.

Application filed August 11, 1909. Serial No. 512,377.

To all whom it may concern:

Be it known that I, MARY J. REIFF, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in Invalids' Beds, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to beds, and has for its object the production of a bed which can be projected out of a window, and can be used by invalids, especially those suffering from consumption or analogous diseases.

15 Another object of this invention is the production of means for facilitating the placing out of or withdrawing of the bed into the window.

With these and other objects in view this invention consists of certain novel constructions, combinations and arrangements of parts, as will be hereinafter fully described and claimed.

25 In the drawings: Figure 1 is a perspective view showing the bed applied to a window; Fig. 2 is a transverse section of the bed showing the same in connection with the track; Fig. 3 is an elevation of the roller over which the controlling ropes are adapted to pass; Fig. 4 is a perspective of one of the end guards of the bed frame; Fig. 5 is an elevation of the roller supporting member of the bed.

Referring to the drawings by numerals, 1 35 designates the window out of which is adapted to project track members 2, which are provided with longitudinally-extending grooves 3. The tracks 2 are braced upon their lower faces by means of angular-extending members 4, which engage the under 40 face of the tracks and the outside of the building.

Hinged to the inside of the building or window 1 is also a pair of inwardly-extending tracks 5, which are also provided with 45 longitudinally-extending grooves 6, which grooves communicate with the grooves 3 of the tracks 2. The tracks 5 are hinged to the support by means of hinges 7 and are provided upon their under surface with 50 a block 8, which is adapted to be engaged by the outer end of an angularly-extending brace 9, which brace is hinged to the inside of the building or support at 10. Therefore, it will be obvious that when the inwardly-extending tracks 5 are not in use,

the braces 9 can be released and thrown down or flat against the support or inside of the building and then the track 5 can also be swung downwardly as shown in dotted 60 lines in Fig. 1.

Secured to the sides of the tracks 2 is a railing 12, which extends across the outer end of one track to the outer end of the other track and along the sides of the tracks 65 2, thereby encircling the tracks for inclosing the bed adapted to be supported by said tracks. The end pieces 13 are adapted to engage the railing 12 upon the ends of the body and comprise a substantial wire frame 70 work, provided with angularly-disposed braces 14. The end pieces are provided upon their upper side with hooks 15, which engage the railing and hold the end pieces upon the same. The railing 12 upon the 75 outer side of the body is also provided with a plurality of angularly-disposed braces 16 and vertical braces 17, which not only brace the railing but also act as a shield for preventing any one sleeping upon the bed 80 adapted to be supported by the tracks from falling off. A bed 18 is adapted to be supported upon the tracks and upon the bottom side thereof is secured transversely-extending braces 19, which carry upon their 85 lower surfaces rollers 20, which rollers are adapted to travel in the longitudinally-extending grooves 3 and 6 of the tracks 2 and 5.

Directly above the window is journaled a 90 pulley member 21, which is provided with a plurality of grooves 22, over which are adapted to pass guy ropes. A pair of ropes 23 pass over the two outer grooves of the pulley 21, and over the pulleys 24 carried by 95 the outer ends of the track members 5 and the ropes 23 are connected at one end to one side of the body 18 as at 25 and the other end of the ropes 23 are provided with knobs 26, which facilitate the operation or draw- 100 ing of the bed upon the tracks 5. Ropes 27 have one end attached at 28 to the opposite ends of opposite sides of the bed 18 and pass over the inner grooves of the pulley 21 and have at their outer ends knobs 30. 105

It will be obvious that when it is desired to withdraw the bed within the window the ropes 23 can be drawn which will cause the bed 18 to be drawn upon the tracks 5 thereby bringing the same within the window. 110 However, if the bed 18 is within the window and it is desired to have the same ex-

tended or positioned outside of the window the other ropes 27 can be drawn, which will cause the body 18 to travel upon the tracks and be supported by the tracks 2, thereby supporting the bed outside of the window.

From the foregoing description, it will be readily seen that the present invention provides simple and efficient means for supporting a bed outside of a window so as to allow the occupants to sleep in the open air. It will also be obvious that the present invention produces a novel means for readily allowing the bed to be either positioned out of the window or drawn within the same.

What I claim is:

1. In a device of the class described the combination with a bed adapted to be extended from a window, of a plurality of outwardly-extending tracks supported from said window and provided with longitudinally-extending grooves, an angularly-extending brace secured to the track and adapted to engage the support or the window frame for bracing said tracks, means carried by said body and engaging the tracks for allowing the bed to freely travel thereon, and means engaging the bed and adapted to facilitate the moving of the same within or out of the window.

2. In a device of the class described the combination with a bed, tracks supported upon a window and extending therefrom, means engaging said tracks and bracing the same, inwardly-extending tracks hinged to the window frame and adapted to be normally held in the same longitudinal plane as said first-mentioned tracks for allowing the bed to be withdrawn within the window, and means engaging said bed for facilitating the withdrawing of the bed within the window.

3. In a device of the class described the combination with a pair of tracks projecting outwardly from the window, of a bed adapted to travel thereon, a plurality of tracks extending inwardly from the window and hinged to the window frame, inwardly-extending braces engaging said hinged tracks and adapted to normally support the same in the same longitudinal plane as the outwardly-extending tracks, cables engaging said bed supported upon the window frame and adapted to facilitate the drawing of the bed within the window or the drawing of the bed out of the window.

4. In a device of the class described the combination with a plurality of outwardly-extending tracks adapted to extend from the window, of a plurality of inwardly-extending tracks, a bed adapted to travel thereon, pulleys supported by the outer ends of said outwardly and inwardly-extending tracks, a pulley wheel supported by the window frame, and cables secured to the respective sides of said bed and passing over said pul-

leys for facilitating the placing of the bed in or out of the window.

5. In a device of the class described the combination with a plurality of outwardly-extending tracks and a plurality of inwardly-extending tracks, means bracing said tracks, pulleys carried by the outer ends of said tracks, a pulley wheel supported by said frame and provided with a plurality of grooves, a pair of cables secured to one side of said body and passing over the pulley supported by the outer ends of the inwardly-extending tracks and the outer grooves of said pulley wheels supported by the frame for allowing the bed to be withdrawn within the window, a plurality of cables secured to the opposite side of the bed passing around the pulleys carried by the outer end of the outwardly-extending tracks, and said cables passing over the inner grooves of said pulley wheel carried by the frame and adapted to facilitate the placing of the bed in an extended position or out of the window.

6. In a device of the class described the combination with a plurality of tracks extending from the window, a railing extending around said tracks and across the ends thereof, of end pieces supported upon said railing, said end pieces comprising a frame work provided with a plurality of angularly-disposed braces, and hook means carried by the end pieces and adapted to engage the frame work for supporting the same thereon.

7. In a device of the class described, tracks mounted within a window, a mattress supporting frame adapted to travel on said tracks, and means connected to one end of said tracks and to said mattress supporting frame whereby the mattress supporting frame may be moved upon said tracks.

8. A structure having a window, a track extending through the window, a structure mounted for movement on the track, and means adapted to be operated by the occupant of the movable structure for actuating said movable structure.

9. A structure having a window, a track extending through the window, a structure mounted for movement on the track, and means adapted to be operated by the occupant of the movable structure for shifting said structure outwardly through the window.

10. A structure having a window, a track extending through the window, a structure mounted for movement on the track, and means adapted to be operated by the occupant of the movable structure for actuating the same inwardly through the window.

11. A device of the class described including a track, means for detachably securing the same to a supporting structure, a bed mounted for movement upon the track, and

means operable by the occupant of the bed for shifting the same along the track.

12. A device of the class described including a track, a wheel supported bed mounted for movement thereon, and means adapted to be actuated by the occupant of the bed for shifting said bed along the track.

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

MARY JANE REIFF.

Witnesses:

MARIETTA ALLEN,
ESTELLA E. APSLEY.