B. JUNGER.

COT.

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1,205,216.

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Fig. 1.

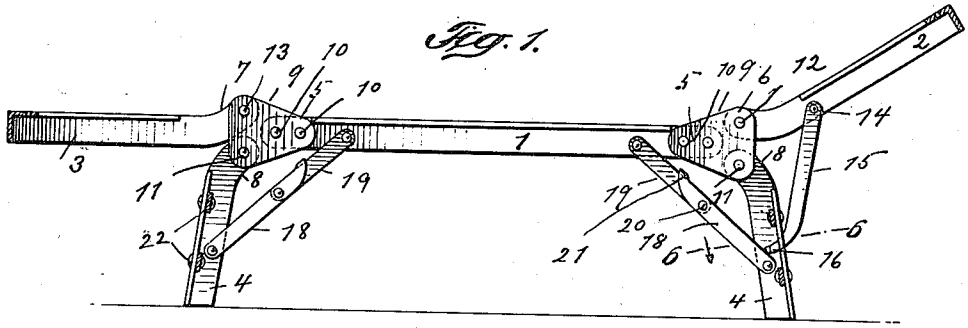


Fig. 2.

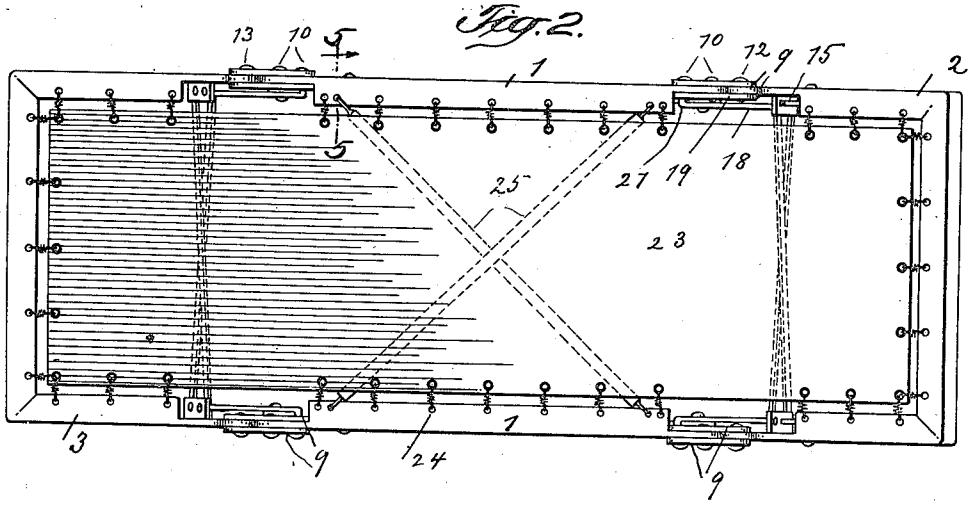


Fig. 3.

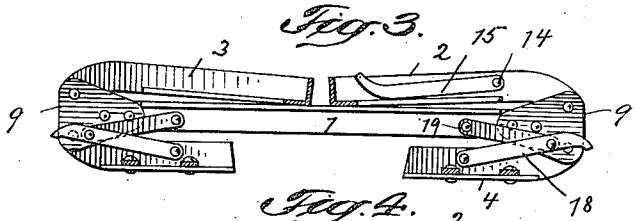


Fig. 4.

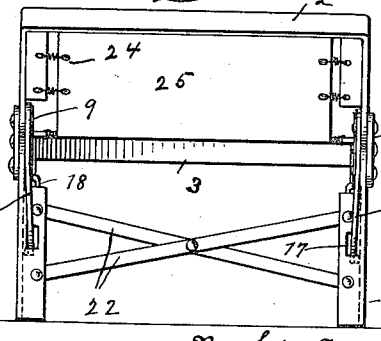


Fig. 5.

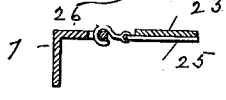
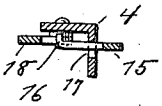


Fig. 6.



WITNESS

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BERNHARD JUNGER, OF NEW YORK, N. Y., ASSIGNOR, BY MESNE ASSIGNMENTS, TO U. S. O. BED CO. INC., A CORPORATION OF NEW YORK.

COT.

1,205,216. Specification of Letters Patent. Patented Nov. 21, 1916.

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To all whom it may concern:

Be it known that I, BERNHARD JUNGER, a citizen of Russia, and a resident of New York city, in the county and State of New York, have invented certain new and useful Improvements in Cots, of which the following is a specification.

This invention relates to a cot of novel construction, which may be readily folded and opened up, and is firmly held in position when opened.

In the accompanying drawing: Figure 1 is a side view partly in section of a cot embodying my invention; Fig. 2 a plan; Fig. 3 a side view partly in section showing it folded; Fig. 4 a right hand end view; Fig. 5 a section on line 5—5 Fig. 2 and Fig. 6 a section on line 6—6 Fig. 1.

The cot is furnished with a pair of side rails 1, made of angle iron, the horizontal web of each rail being removed at each end thereof. The head rest 2 is also formed of angle iron, and is composed of an end piece and two side pieces made integral therewith, the side pieces extending at right angles to the end piece and having their horizontal web likewise removed at their free ends. The foot rest 3 is constructed similar to the head rest, being formed of angle iron having an end piece and a pair of side pieces, the horizontal web of the latter being removed at the ends. Finally, each leg 4 is formed of angle iron, with one of the webs removed at the top. By the construction described, each side rail, the head rest, the foot rest, and each of the legs will thus be provided at their ends with a single upright flange, which protrudes beyond the L shaped body of which it constitutes a component part. Of these flanges, those of the side rails are straight as at 5, while the flanges of the head rest, foot rest and legs are curved, as indicated respectively at 6, 7 and 8 Fig. 1. At the junction between each side rail and the head rest, as well as between each side rail and the foot rest, there is provided a pair of spaced parallel cheeks or side plates 9, that straddle the flanges 5, 6, 8 and 5, 7, 8 respectively. These cheeks are rigidly connected to the flanges 5 by bolts 10, while the legs are hingedly connected thereto by pivots 11. The flanges 6 of the head rest are pivoted to the side plates at one end of the cot by pins 12, while the flanges 7 of the foot rest are pivoted to the side plates at the other end of the cot by pins 13. In this way, the head and foot rests may be swung over the side rails, while the legs may be swung under the same as indicated in Fig. 3.

In its open position, the curved flanges 7 of the foot rest will be directly supported upon the curved flanges 8 of the rear legs as shown in Fig. 1. The head rest should however, be sustained in an inclined position for which purpose there are pivoted to it at 14, a pair of arms 15, having lower curved ends provided with laterally extending noses 16. These arms are adapted to be projected through slots 17 of legs 4, and to abut against the lower members 18 of bipartite diagonal braces 18, 19 pivoted to legs 4 and side rails 1 at both ends of the cot. These lower members 18 are pivoted to the upper members at 20, and have upper hooks 21, that are adapted to grasp such upper members, so as to interlock with the same and prevent the joints from breaking through.

As described, when the cot is opened up, and the arms 15 are projected with their curved ends through the slots 17, they will strike the braces 18, (Fig. 1) that will sustain the head rest in its inclined position, any accidental collapse of the head rest being prevented by the noses 16, which must be sprung inwardly to clear slots 17 before the head rest can be folded. By resting the head-rest and supporting arms 15 against the toggle-braces 18, the said toggle-braces are locked or held extended by the weight of the head rest, and when a person is reclining upon the cot the added weight on the head-rest will assist in keeping the toggle-braces locked.

The two front legs as well as the two rear legs are connected to each other by crossing braces 22, which serve to increase the rigidity of the structure.

The bed bottom is formed of a sheet of canvas 23, secured to the horizontal webs of the side rails, head piece and foot piece by means of springs 24. The bottom 23 is held against sagging by a pair of crossing belts 25 extending beneath the same and provided at their ends with hooks 26 that engage the side rails.

I claim:

1. A cot having a pair of side rails, a pair of pivoted front legs, a pair of bipartite diagonal braces connecting the legs to the

side rails, a pivoted head rest, and arms pivoted to the head rest and arranged to abut against the braces.

2. A cot having a pair of side rails, a pair of pivoted front legs, slots in said legs, a pair of interlocking bipartite braces connecting the legs to the side rails, a pivoted head rest, arms pivoted to the head rest, and noses on said arms, the arms being arranged to be projected through the leg-slots into engagement with the braces.

3. A cot having side-rails, pivoted front and rear legs, foldable toggle-braces connecting the legs to the side-rails, a pivoted head-rest, and brace-arms pivoted at one end to said head-rest, the free end of each brace-arm contacting with but disconnected from the foldable toggle-braces adjacent thereto, and means to lock the brace-arms against movement when in extended or open position.

4. A cot comprising a pair of side-rails, a head-rest foldably connected thereto, front and rear legs, toggle-braces foldably connecting the said side-rails and said legs, and means connected to the head-rest to keep the toggle-braces adjacent thereto in locked position by the weight imposed on the head-rest.

BERNHARD JUNGER.