No. 879,988. PATENTED FEB. 25, 1908.

M. H. THOMPSON.

EMERGENCY COT.

APPLICATION FILED MAY 17, 1907.

2 SHEETS—SHEET 1.

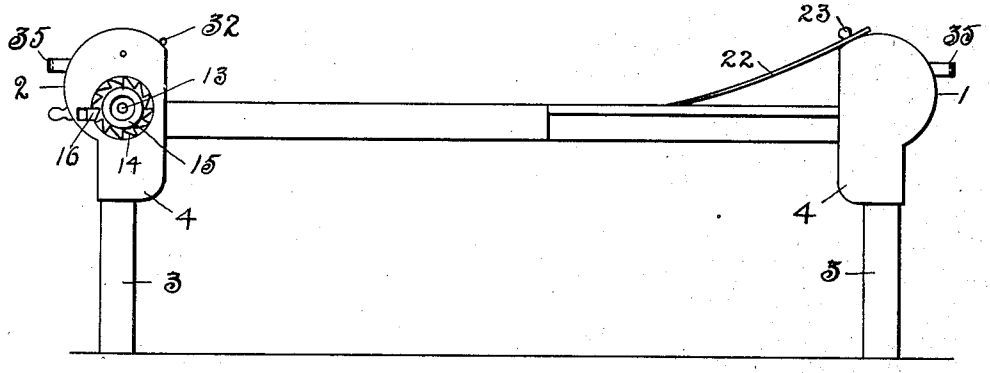


Fig. 1

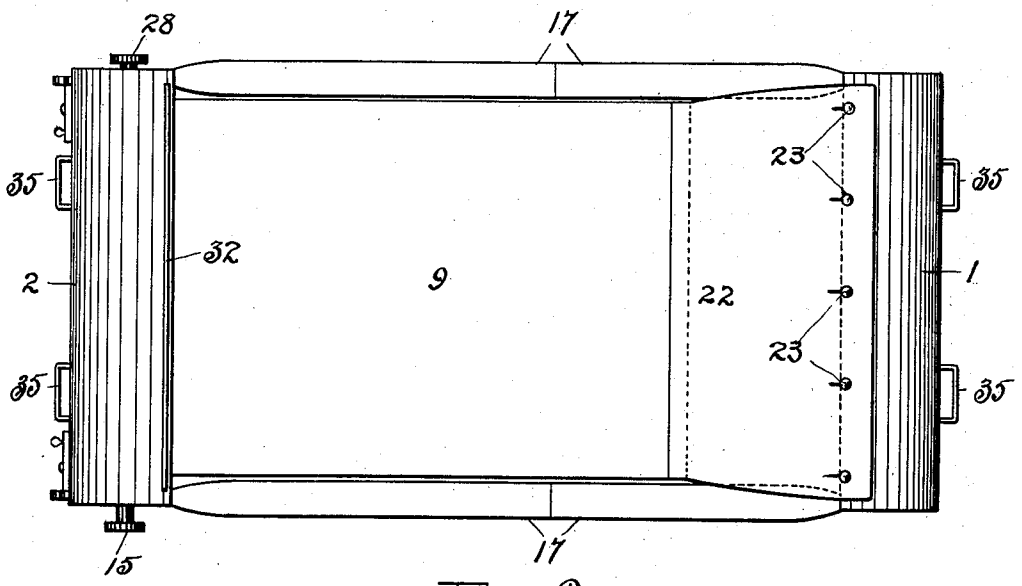


Fig. 2.

WITNESSES

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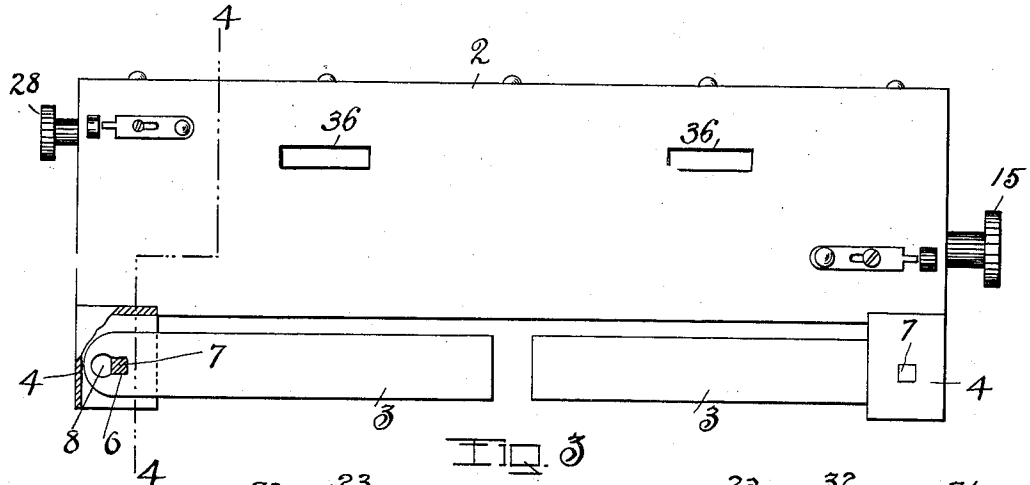


Fig. 3

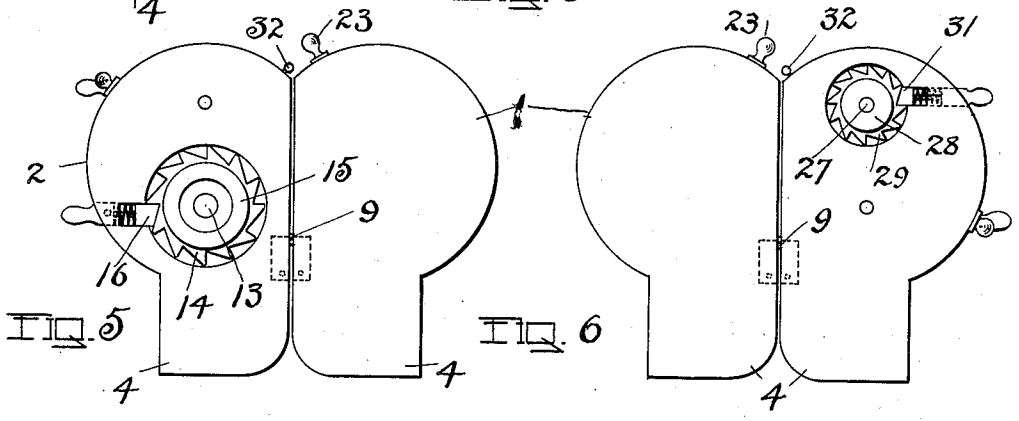


Fig. 5

Fig. 6

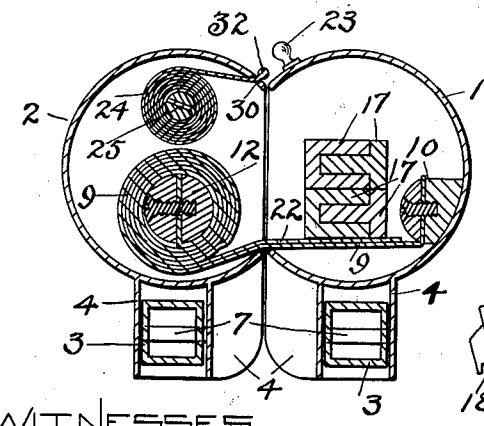
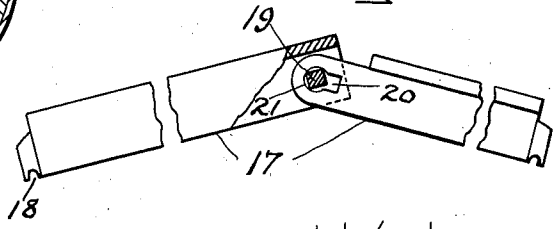


Fig. 4.

Fig. 7



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UNITED STATES PATENT OFFICE.

MARTIN H. THOMPSON, OF SCHENECTADY, NEW YORK.

EMERGENCY-COT.

No. 879,988. Specification of Letters Patent. Patented Feb. 25, 1908.

Application filed May 17, 1907. Serial No. 374,222.

To all whom it may concern:

Be it known that I, MARTIN H. THOMPSON, a citizen of the United States, residing at Schenectady, county of Schenectady, and State of New York, have invented certain new and useful Improvements in Emergency-Cots, of which the following is a specification.

The invention relates to such improvements and consists of the novel construction and combination of parts hereinafter described and subsequently claimed.

Reference may be had to the accompanying drawings, and the reference characters marked thereon, which form a part of this specification.

Similar characters refer to similar parts in the several figures therein.

Figure 1 of the drawings is a view in side elevation of my improved cot set up for use. Fig. 2 is a top plan view of the same. Fig. 3 is an end view of the folded cot. Fig. 4 is a vertical cross-section of the same taken on the broken line 4—4 in Fig. 3. Fig. 5 is a view in elevation of one side of the folded cot. Fig. 6 is a similar view of the opposite side of the cot. Fig. 7 is a side view of one of the side-bars detached, partly broken away and partly folded.

The principal object of the invention is to provide a cot or bed adapted for use in emergencies, and capable of being knocked down and stored in a small space when not in use or when it is desired to transport the same from place to place.

Referring to the drawings wherein the invention is shown in preferred form, 1, represents the head and, 2, the foot of the cot, each comprising a hollow structure or casing adapted to contain certain other portions of the device and each open on the side toward the other whereby said casings are together adapted to form an inclosure.

The head and foot when not in use are supported upon folding legs, 3, each fitting within a socket, 4, on the head or foot, and having its inner end provided with a slot having a rectangular end at, 6, adapted to receive and closely fit a rectangular pin or bar, 7, extending through the socket, the other end of said slot being enlarged at, 8, to loosely receive said rectangular pin. The dimensions of the socket are such that a longitudinal slide-movement of the leg is permitted in either a vertical or horizontal position. When the cot is in use the legs extend vertically, with the rectangular pin, 7, seated in the rectangular portion, 6, of the slot. Each leg can be folded by lifting the head or foot of the cot with which it is connected, then forcing the leg outwardly until the pin, 7, is located in the enlarged portion, 8, of the slot. The leg is then swung inwardly to a horizontal position, and in this position is forced outwardly to again seat the pin, 7, in the rectangular portion, 6, of the slot which serves to hold the leg in folded horizontal position.

The head and foot of the cot are connected together by a flexible bottom, 9, preferably made of canvas, connected at one end with the head at, 10, and connected at its other end with a drum or roller, 12, upon which it is adapted to be wound. The trunnions of the roller, 12, have bearings in the end-walls of the foot, one of said trunnions, 13, having fixed thereon a ratchet, 14, and means for rotating the same, as a hand-wheel, 15, located exteriorly of the foot at one end thereof. The ratchet, 14, is adapted to be engaged by a spring-actuated dog 16. The head and foot of the cot are also connected together by a pair of folding side-bars, 17, each having hook-ends at 18 adapted to engage recessed portions of the head and foot. One member of each side-bar is of channeled form in cross-section and the other T-shaped in cross-section, the body of the T-shaped member being adapted to lie within the channeled member when the bar is folded. The two-bar members are connected together by a rectangular pin, 19, inserted through the channeled member and through one end of the body of the T-shaped member, the latter being stripped of its head-flanges adjacent to said end and provided with a slot having its inner end, 20, rectangular in form to fit said pin, and its outer end enlarged as shown at, 21, to loosely receive said pin.

When the side-bar is removed from the cot the bar members can be pulled in opposite directions until the pin, 19, enters the enlarged end, 21, of the slot whereupon one bar-member can be swung upon the other to fold the bar. The hollow head of the cot is adapted to receive both side bars when

folded. When the side bars are in position they serve to forcibly hold apart the head and foot of the cot so that by winding more or less of the canvas bottom upon the roller 12, any desired degree of tension can be imparted to the canvas bottom which is prevented from unrolling by the engagement of the dog, 16, with the ratchet 14.

When it is desired to knock down or fold the cot, the dog, 16, is disengaged from the ratchet, 14, to relieve the tension on the canvas bottom; the side-bars are removed, folded, and placed within the hollow head, and the canvas is again wound upon the roller, 12, until the head and foot are drawn closely together, as shown in Figs. 6 and 7, in which position they are retained by the engagement of the dog, 16, with the ratchet, 14.

If desired, the canvas bottom may be provided near the head of the cot with a loose flap, 22, provided with button-holes adapted to receive studs, 23, on the outer side of the head adapted to support said flap in an inclined position to form a head-rest. When the cot is folded or packed up this flap is detached from the studs and contained within the hollow-head.

When desired the cot may be provided with a blanket, 24, connected with and adapted to be wound upon the drum or roller, 25, also located in the hollow foot. The trunnions of the blanket-roll have bearings in the end walls of the foot, one of said trunnions, 27, projecting from the end of the foot opposite that from which the canvas-roll-trunnion projects, the blanket-roll trunnion, 27, being provided with an operating hand-wheel, 28, and with a ratchet, 29, adapted to be engaged by a spring-actuated dog 31. When the cot is to be folded the blanket is wound upon the roller 25. The outer end of the blanket is provided with a corded or beaded edge, 32, of a size adapted to engage the walls of the slit, 30, to prevent the complete withdrawal of the blanket within the foot-casing. When desired the blanket and blanket-roll may be omitted.

My improved cot is adapted to be folded into a small compact package adapted to be carried in a trunk, if desired, and when needed it can be easily and quickly set up and made ready for use.

Either or both of the head and foot-casings may be provided with hand-holes, 36, for convenience in lifting or transporting the cot, as shown in Fig. 3, or with handles, 35, as shown in Figs. 1 and 2.

What I claim as new and desire to secure by Letters Patent is

1. In a cot or bed, the combination with a head-member and a foot-member each hollow and open on the side toward the other, and together adapted to form an inclosure; of detachable side-bars adapted to connect together and hold apart said head and foot-members; a flexible bottom connected at one end with one of said head and foot-members; and a roll mounted upon the other of said head and foot-members, and connected with the other end of said flexible bottom, which bottom enters both hollow members through the open sides thereof.

2. In a cot or bed, the combination with a head-member and a foot-member each hollow and open on the side toward the other, and together adapted to form an inclosure; of detachable side-bars adapted to connect together and hold apart said head and foot-members; a flexible bottom connected at one end with one of said head and foot-members; a ratchet fixed upon said roll; and a dog engageable with said ratchet.

3. In a cot or bed, the combination with a hollow-head member and a hollow-foot member; of detachable folding side-bars adapted when extended to connect together and hold apart said head and foot-members, and adapted when detached and folded to lie within one of said hollow members; a flexible bottom connected at one end with one of said hollow members; and a roll mounted within the other of said hollow members and connected with the other end of said flexible bottom.

4. In a cot or bed, the combination with a hollow head-member and a hollow foot-member each open on the side toward the other, and together adapted to form an inclosure; and a series of studs on the head-member; of detachable side-bars adapted to connect together and hold apart said head and foot-members; a flexible bottom connected at one end with said head-member interiorly thereof; a roll mounted within the foot-member and connected with the other end of said flexible bottom; and a flap connected with the flexible bottom near the head and provided with buttonholes to receive the studs on the head-member, said flexible bottom and flap being adapted to be wholly contained within said inclosure.

5. In a cot or bed, the combination with a head-member and a foot-member; of detachable side-bars adapted to connect together and hold apart said head and foot-members; a flexible bottom connected at one end with one of said head and foot-members; a roll mounted upon the other of said head and foot-members, and connected with the other end of said flexible bottom; another roll mounted upon said foot-member; and a blanket connected with the last mentioned roll.

6. In a cot or bed, the combination with a head-member and a foot-member; of detachable side-bars adapted to connect to-

gether and hold apart said head and foot-members; a flexible bottom connected at one end with one of said head and foot-members; a roll mounted upon the other of said head and foot-members, and connected with the other end of said flexible bottom; another roll mounted upon said foot-member; a blanket connected with the last mentioned roll; a ratchet on each of said rolls; and a dog engageable with each of said ratchets.

In testimony whereof, I have hereunto set my hand this 29th day of April, 1907.

MARTIN H. THOMPSON.

Witnesses:

ROBERT J. PECK,

GEORGE L. STEVENSON.