(No Model.)

F. C. HANNAHS.

FOLDING COT.

No. 514,928 Patented Feb. 20, 1894.

Fig. 1.

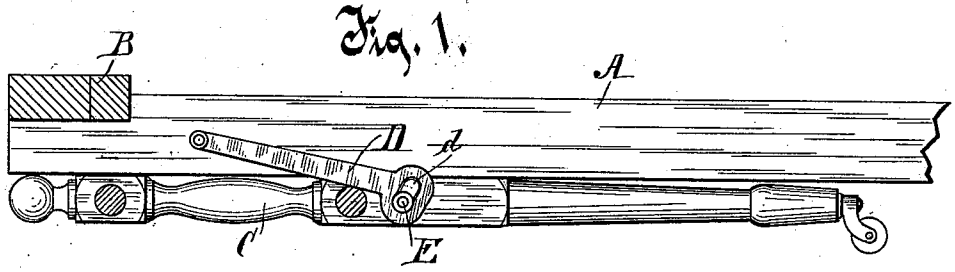


Fig. 2.

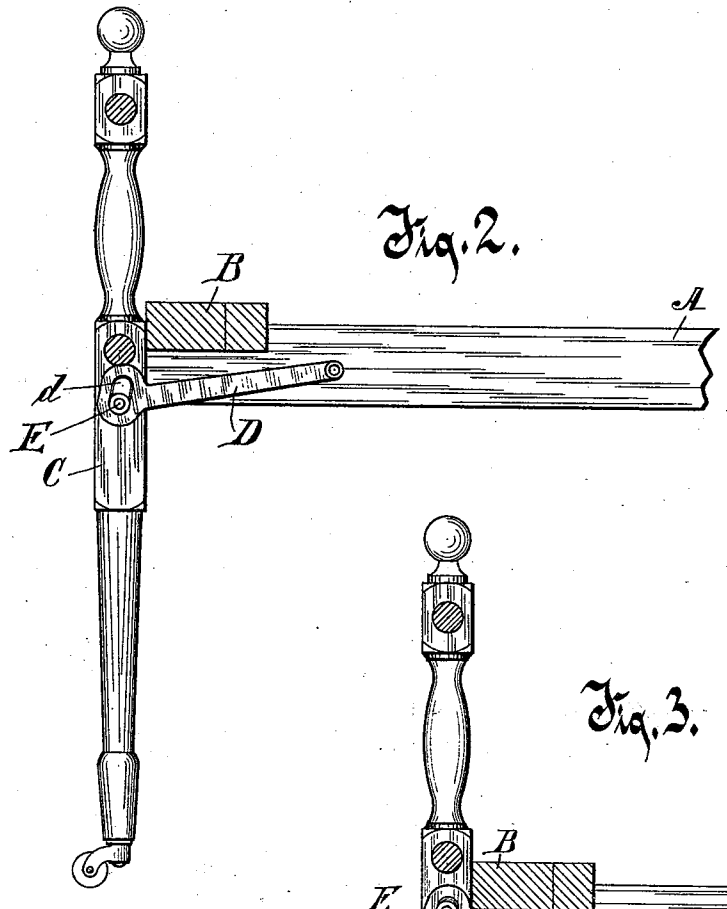
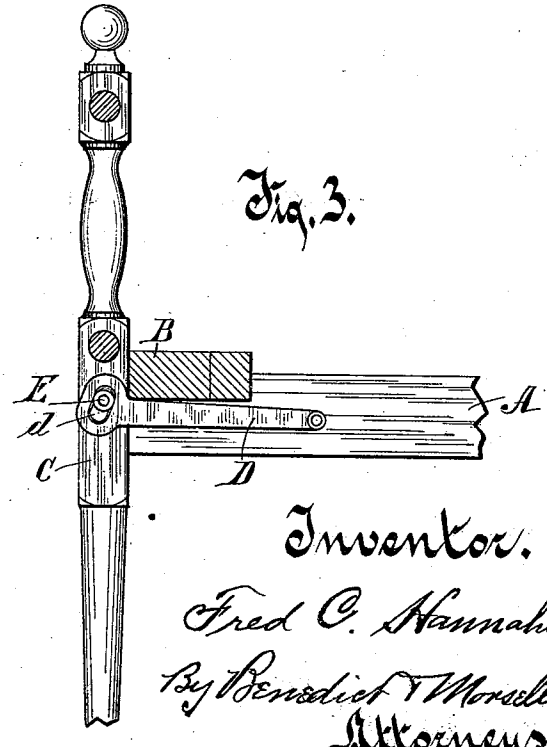


Fig. 3.



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FOLDING COT.

SPECIFICATION forming part of Letters Patent No. 514,928, dated February 20, 1894.

Application filed September 19, 1893. Serial No. 485,898. (No model.)

To all whom it may concern:

Be it known that I, FRED C. HANNAHS, of Kenosha, in the county of Kenosha and State of Wisconsin, have invented a new and useful Improvement in Folding Cots, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

My invention has relation to improvements in folding cots, being particularly applicable, although not necessarily, to wire cots.

The invention has for its object to provide a construction wherein not only the head and foot posts when upright are drawn firmly against and locked to the cot body to form a tight and close union therewith, but also one wherein said head and foot posts are capable of being readily released from the cot body, and folded under so as to be disposed wholly beneath the side rails of the cot body.

The attainment of the above object comprehends the employment of straps each having a pivotal connection at one end, and a vertical inclined slot at the opposite end to receive a laterally-projecting bolt, as will hereinafter more fully appear.

In the accompanying drawings, Figure 1, is a longitudinal vertical section of a fragment of a cot, showing one of the end posts turned under to lie against the under edge of the side rail. Fig. 2, is a similar view showing the cot upright, and also showing the position of the bolt in the elongated slot before the cot frame has been forced down to its full extent, and Fig. 3, is a similar view showing the position of the bolt in the slot after the frame has been forced down, and the end post locked in position.

Like letters of reference denote like parts throughout the several views.

The frame of the cot is composed of the usual side and ends rails, similar to A and B, respectively, said frame having secured thereto a woven wire fabric, or other suitable material, not shown.

In the drawings, of my invention, I have only illustrated a post at one end of the frame, but it is to be understood that the construction shown is duplicated at the opposite end. This post is indicated by the letter C, and the upper portion thereof forms one of the side pieces of the ordinary head or foot board of a bed or cot, and the lower portion of the leg or support.

The letter D indicates a strap which is pivoted at its inner end to the inner side of the side rail A, while its outer end is formed into a headed portion, having an elongated inward-inclined slot *d* therein. Through this slot, and entering the end post, passes a headed bolt E. The bolts, when the cot is in an upright position, as illustrated in Fig. 3, are in the upper ends of the elongated slots, and as said slots are inclined inward, the distance between the bolts and the pivot pins of the inner ends of the straps is necessarily diminished, which, of course, has the effect of drawing the end posts close against the end pieces B, and firmly locking said posts to their adjusted upright positions, to be unlocked only by the application of force to the under side of the frame. It will also be noticed that when the cot is in its upright position the end rails B rest upon the straps, medially between their respective bolts and, therefore, more firmly press the slotted ends of the straps down, so that the bolts are held securely in the upper ends of the slots. Any weight on the cot will, of course, still further secure a close connection of the end rails with the frame.

When it is desirsd to fold up the cot, a slight blow is given to the under side of the frame at one end, which will have the effect of raising said frame slightly, and thereby loosening the connection between the same and the end posts. If the cot is now elevated at this end, the end posts and legs may be readily turned under, so as to lie against the under edge of the side pieces as illustrated in Fig. 1. The other end of the cot is now manipulated in the same manner.

When it is desired to unfold the cot, all that is necessary is simply to turn the end posts back to the position illustrated in Fig. 2, and then by exerting force downward on the cot frame, the strap is pressed down, so as to bring the bolt to the upper end of the slot, as illustrated in Fig. 3.

From the above, it will be seen that by providing a strap of sufficient length, and having

a pivotal connection at one end and an inclined slot at the opposite extremity to receive a bolt, the posts may be readily folded under so as to lie wholly beneath the side rails of the cot body, while, on the other hand, when the cot is in its erect position, and the frame forced down its full extent, as indicated in Fig. 3, the distance between the bolt working in the inclined slot and the pivotal point is decreased, whereby, by reason of the fact that the bolt in the slot occupies the upper end of said slot, the posts and the frame are brought more closely together, and firmly held in such position. At the same time when it is desired to fold the posts beneath the frame, said posts are easily released from the cot body or frame with very little exertion, by reason of the bolt sliding down to the lower point of the slot.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. In a folding cot, in combination with a cot-body and the end pieces thereof provided, respectively, with projecting pins or bolts, of straps each having one end pivoted to one of a set of bolts, and the other end provided with an inclined slot to receive a pin or bolt of the other set, the pins or bolts constituting the latter set, occupying the upper ends of the slots, when the end pieces are in their erect positions, thereby drawing together tightly and locking said end pieces to the body, the distance between one set of bolts or pins and the other being sufficient to allow the end pieces, when the bolts in the slots are forced down to the lower ends of said slots, to be folded under, and to lie wholly beneath the side pieces of the body, substantially as set forth.

2. In a folding cot, the combination, with a frame consisting of side and end rails, of head and foot posts, straps each being pivotally attached at one end to the inner side of one of the side rails, and at the other end provided with a transverse head having an inclined vertical slot therein, and bolts passing through the slots and entering the posts, said bolts adapted when the frame is forced down to its full extent, to occupy the upper ends of the slots, and the end rails to be seated upon, or brought to bear against, the upper edges of the straps medially between the extremities of said straps, and the distance between the bolts being sufficient to permit the end pieces to be swung under, and to lie wholly beneath, the side pieces of the frame, when the bolts in the slots are forced down to the lower ends of said slots, substantially as set forth.

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

FRED C. HANNAHS.

Witnesses:
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