

(No Model.)

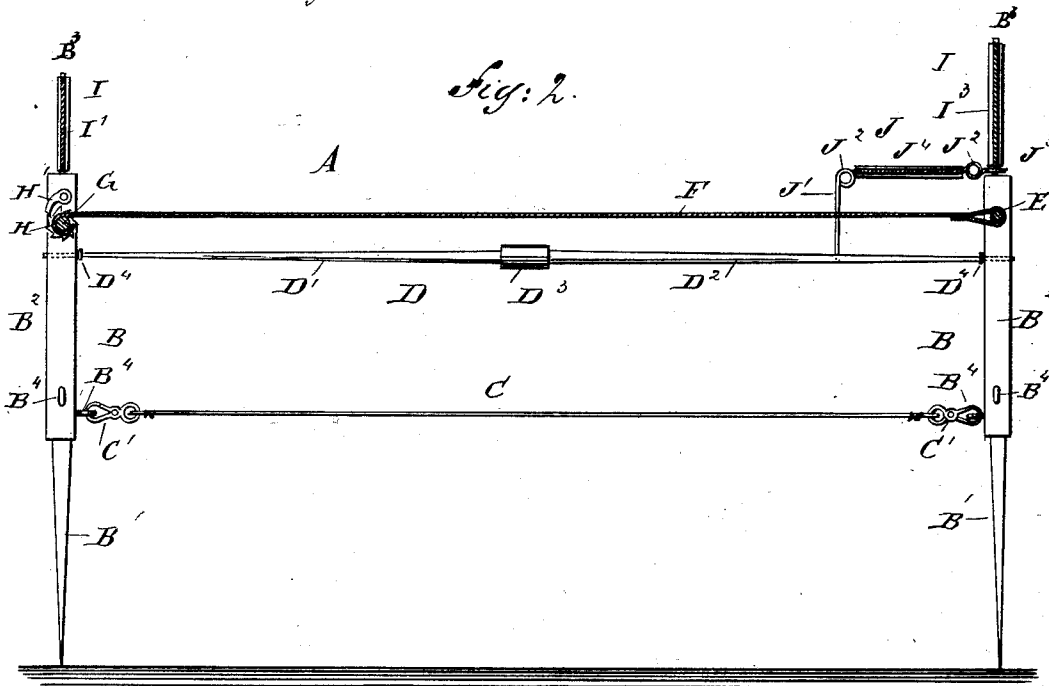
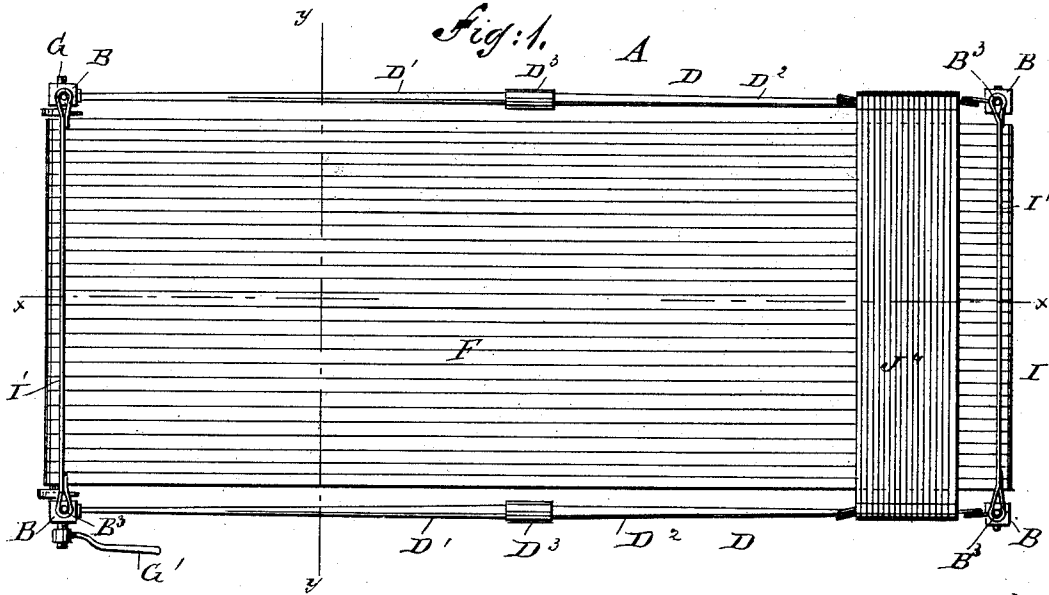
2 Sheets—Sheet 1.

J. M. STROUT.

PORTABLE BED.

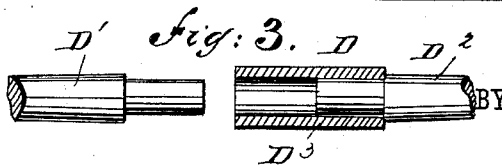
No. 363,773.

Patented May 24, 1887.



WITNESSES:

Amos. Vida
W. Sedgwick



INVENTOR:

J. M. Strout
Munn & Co
ATTORNEYS.

(No Model.)

2 Sheets—Sheet 2.

J. M. STROUT.

PORTABLE BED.

No. 363,773.

Patented May 24, 1887.

Fig: 4.

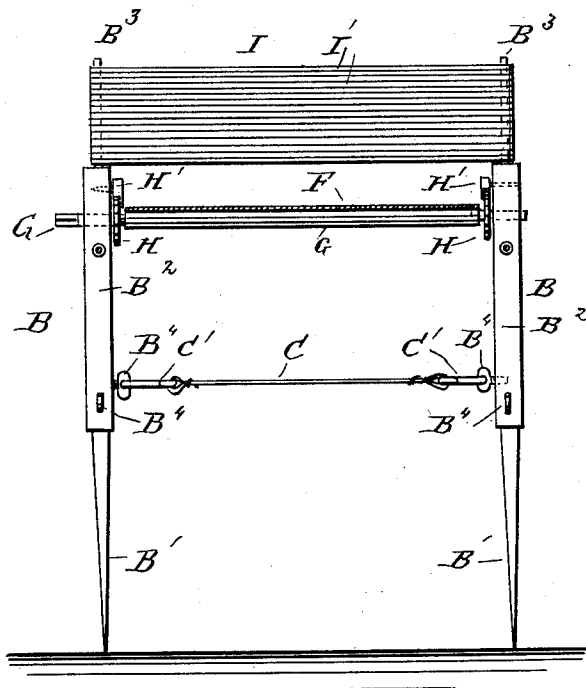


Fig: 5.

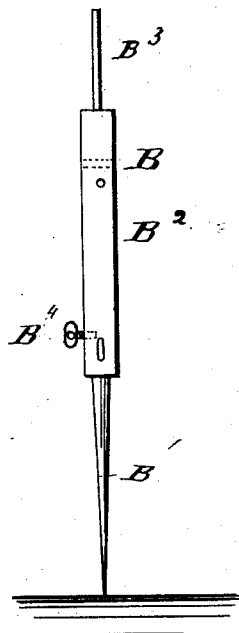
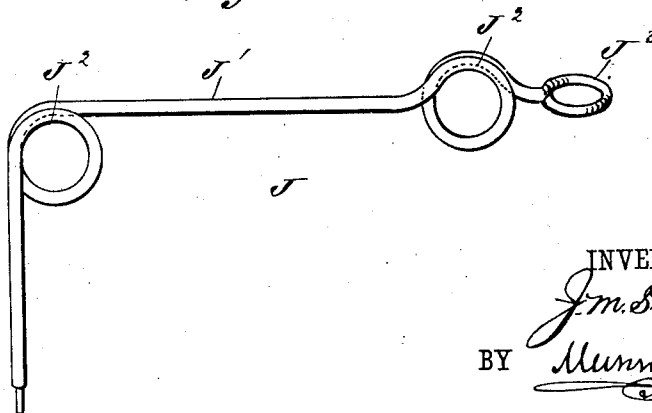


Fig: 6.



WITNESSES:

Chas. N. Mac
C. Sedgwick

INVENTOR:

J. M. Strout
BY *Munn & Co*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOSEPH M. STROUT, OF PORTLAND, MAINE.

PORTABLE BED.

SPECIFICATION forming part of Letters Patent No. 363,773, dated May 24, 1887.

Application filed January 18, 1887. Serial No. 224,680. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH M. STROUT, of Portland, in the county of Cumberland and State of Maine, have invented a new and Improved Portable Bed, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved portable bed which can be easily folded up, and is simple and durable in construction.

The invention consists in the construction and arrangement of various parts and details and combinations of the same, as will be fully described hereinafter, and then pointed out in the claims:

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of my improvement. Fig. 2 is a sectional side elevation of the same on the line *x x* of Fig. 1. Fig. 3 is a sectional detail view of the middle part of one of the stays. Fig. 4 is a sectional end elevation of my improvement on the line *y y* of Fig. 1. Fig. 5 is an elevation of one of the bed-posts. Fig. 6 is an enlarged side elevation of the head-rest support.

The portable bed A is provided with the four solid posts B, each having a lower pointed part, B', a center part, B², and a reduced top rod or bar, B³. The part B² of each post is provided with screw-eyes B⁴, to which are secured the lower side and end ropes, C, each provided with a snap-hook, C', on each end, which hooks are fastened on the said respective screw-eyes B⁴. The head and foot posts B are also connected with each other by the stay-rods D, each made of two rods, D' and D², held together in the middle by the hollow sleeve D³, receiving the reduced inner ends of the said rods D' and D². The outer ends of the rods fit into corresponding apertures in the said post parts B², and are each provided with a shoulder, D⁴, resting against the inner side of the part B², as shown in Fig. 2.

The head-posts B are united with each other by the removable stay E, over which slips the welt formed on one end of the canvas mattress F, which passes at its other end around the roller or drum G, mounted in suitable bearings in the foot-posts. The roller G is pro-

vided at each foot-post with a ratchet-wheel, H, engaging a pawl, H', pivoted on the respective foot-post. One end of the roller G projects at the side of its respective foot-post, and is adapted on this outer end to receive a crank arm, G', by which the roller G can be turned and the mattress wound up on the said drum and thereby stretched.

The foot and head pieces I each consist of a canvas strip, I', stretched from one foot or head post to the other, and each is provided on each end with a welt fitting over the reduced part B³ of the posts B.

The head-rest J consists of the angular spring-wires J', each having the spring-loops J², and the loop J³ on one end fitting over the reduced part B³ of the post B. The other end of the spring-wire J is reduced to fit into an aperture in the side rod, D. A canvas strip, J⁴, is stretched from one spring-wire to the other, and is held on the same by a welt on each end of the canvas strip fitting over the horizontal portion of the spring-wires J'.

It will be seen that the several parts can be easily and quickly attached to or detached from each other, so that the parts can be packed up into a small bundle for transportation.

The bed, as represented in Figs. 1, 2, and 4, can be taken apart by first unhooking the snap-hooks C' from the eyes B⁴ and then removing the head and foot pieces I by lifting the canvas strips I' off the reduced part B³ of the posts B. The head-rest J is then removed by lifting the reduced ends of the spring-wires J' out of the stays D. The head and foot posts are then moved apart, so that the roller G and the rod E are disengaged from the posts, and the canvas mattress F, with all the detached posts, can be rolled up around the roller G. The stays D are then easily removed from the posts B and taken apart by disengaging the reduced ends of the rods D' and D² from the sleeves D³, as shown in Fig. 3. All the parts can be conveniently rolled within the mattress for transportation.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. In a portable bed, the combination, with the head or foot posts and a connecting-bar, of ropes connecting the said posts together below the bar, and a canvas strip connecting the

posts together above said bar, substantially as herein shown and described.

2. In a portable bed, the combination, with the head-posts B, having reduced upper ends and provided with the eyes B¹, and the connecting-bar E, of the canvas strip I, having loops in its ends for receiving the reduced ends of the posts, and the ropes C, secured to the eyes B¹ of the posts, substantially as herein shown and described.

3. In a portable bed, the posts B, each provided with screw-eyes B¹ and the stay-rods D, in combination with the ropes C and the snap-hooks C', attached to the said ropes C, engaging the said screw-eyes B¹, substantially as shown and described.

4. In a portable bed, the combination of the posts B, having reduced upper ends and provided with eyes B¹, the rods E, connecting the

head-posts, the roller G, connecting the foot-posts, the stay-rods D, the ropes C, connected to the eyes, and the canvas strips I', having loops in their ends to receive the reduced upper ends of the posts, substantially as herein shown and described.

5. In a portable bed, the combination, with the head-post B, having reduced upper ends, and the apertured stay-rods, of the angular spring-wires J', having loops J² to receive the reduced upper ends of the posts, and their other ends reduced and fitting in the apertures of the stay-rods, and the canvas strip J¹, secured to the said spring-wires, substantially as herein shown and described.

JOSEPH M. STROUT.

Witnesses:

HENRY B. CLEAVES,
STEPHEN C. PERRY.