

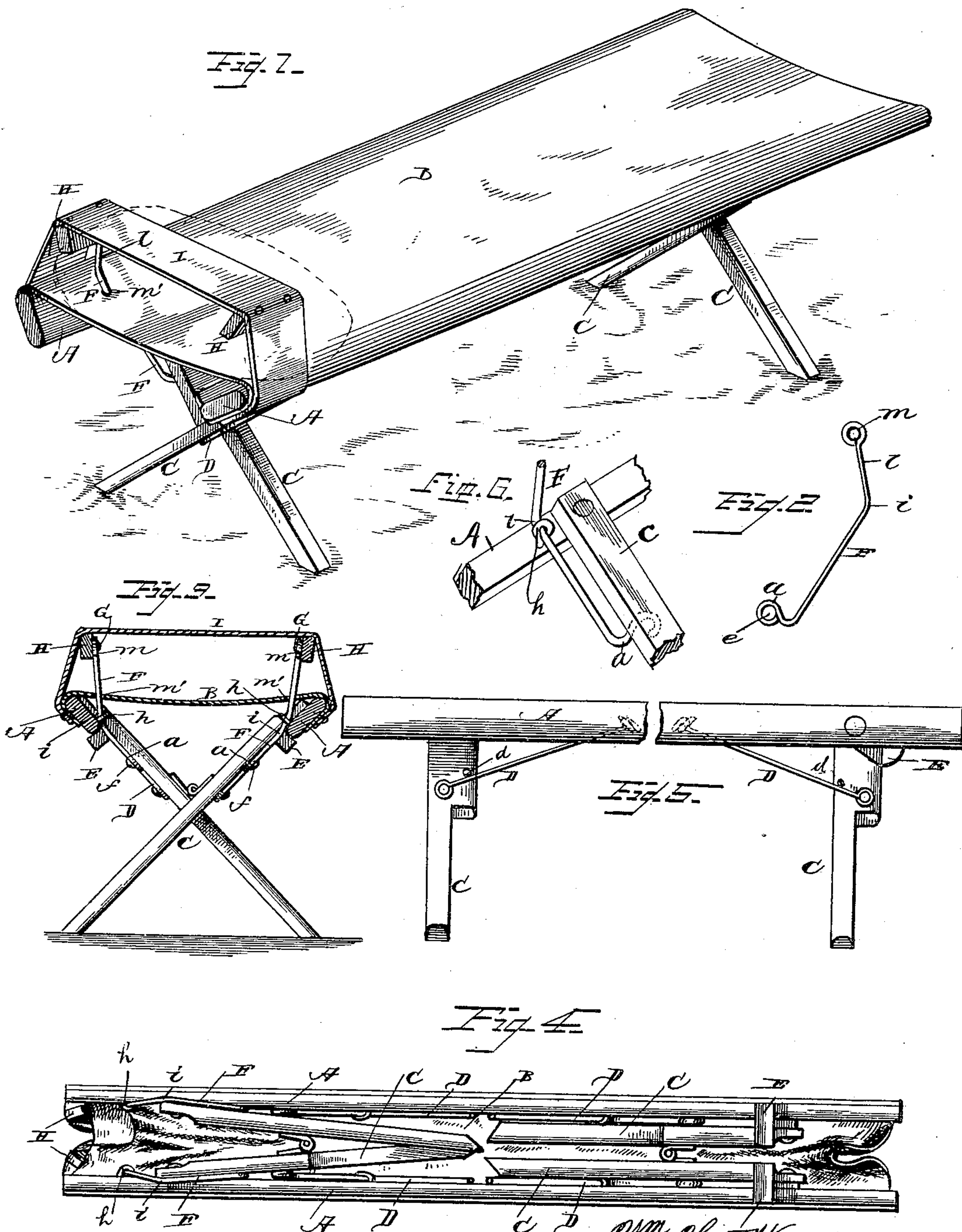
(No Model.)

W. H. WOOLDRIDGE.

AUTOMATIC HEAD SUPPORT FOR COTS.

No. 329,610.

Patented Nov. 3, 1885.



WITNESSES
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UNITED STATES PATENT OFFICE.

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AUTOMATIC HEAD-SUPPORT FOR COTS.

SPECIFICATION forming part of Letters Patent No. 329,610, dated November 3, 1885.

Application filed March 27, 1884. Serial No. 125,730. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. WOOLDRIDGE, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented a new and useful Automatic Head-Support or Pillow for Cots, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to folding cots, and more particularly to an improved head-support or pillow for the same, which will be automatic in its action, so that when the cot is folded the support will fold in between the
15 side rails of the same, and when the cot is unfolded for use the head-support will be automatically raised and adjusted into the proper position.

20 A further object of my invention provides for a safe, durable, convenient, efficient, and easy head-support, which will yield in a great measure and add to the advantages of the cot.

25 With these and other objects in view the said invention consists in certain details of construction and combination of parts, as hereinafter set forth, and particularly pointed out in the claims.

30 In the accompanying drawings, Figure 1 is a perspective view illustrating the attachment of my improved head-support or pillow to the cot. Fig. 2 is a detail view of one of the wire bails of the head-support or pillow. Fig. 3 is a transverse section of Fig. 1. Fig. 4 is a plan view of the cot when folded. Fig. 5 is
35 a side view when unfolded. Fig. 6 is a detached perspective view of a portion of the side rail and one of the legs, showing the connection of the wire bail more clearly.

40 Like letters refer to corresponding parts in the several figures.

Referring to the drawings, it will be seen that I have shown my improved automatic head-support or pillow in connection with the folding cot for which Letters Patent were
45 issued to me March 25, 1884. Reference is hereby made to said patent for a full description of the cot, since it is not necessary in this application to describe the construction of the same in detail.

50 In the drawings, A designates the side rails of my cot, to which the canvas B is attached, the legs C C being pivoted to the side rails

and hinged at their central portions, braces D connecting the front legs to the side rails, and T-shaped castings E being pivoted between
55 the rear legs and the said rails, and arranged to serve as braces for the same. A pin, *d*, projects from the side of the legs above and forward of the pivotal point of the braces and acts as a stop for the latter, so that when the
60 legs are opened the braces will bear upwardly against the stop-pins and impart a spring force to said braces, so as to enable their hooked ends to catch firmly in the staples. These stop-pins enable the braces *f* to act as
65 springs, and serve to keep them from working out of the staples.

In the construction and combination of the foregoing no novelty is herein claimed, since they are claimed in my aforesaid patent here-
70 inbefore referred to.

F F designate wire bails formed at their lower portions with an arm, *a*, extending upwardly at right angles thereto, the end of the arm being provided with an eye, *e*, through
75 which a screw, *f*, or other fastening device, may be passed in securing the bails to the sides of the front legs. The bails F then extend upward through screw-eyes *h* in the sides of the rails A, and are formed with an out-
80 ward bend, *i*, bearing against the inner sides of the rails. Above the bend *i* the ends of the bails extend upward and forward to provide arms *l*, which are formed with an eye or loop, *m*, through which is passed a pivot-bolt,
85 G, securing the upper ends of the bails to blocks H, pivoted in the center, as shown, so as to be capable of oscillating freely on the pivot-point.

I designates the canvas flexible covering
90 extending from one side rail, A, to the other, across the head-support, said covering being secured by rivets or otherwise to the head-blocks H, before described.

The operation of my invention will be readily understood from the foregoing description,
95 taken in connection with the annexed drawings. The lower ends of the bails are fastened to the outer faces of the front legs, and to their upper ends are pivoted the blocks H, said bails passing through screw-eyes or eye-
100 lets secured to the inner sides of the side rails, and through suitable holes or eyelets, *m'*, in the canvas covering B of the cot. The canvas

covering I of the head-support or pillow connects the side rails and extends transversely across the cot, and connecting the blocks H, the portion of canvas I in the space between the blocks providing room for the head of the person reclining on the cot.

In folding the cot the legs are folded into the space between the side rails in the manner shown in my former patent, the head-support or pillow likewise folding in the space between the side rails. In unfolding the cot the legs are drawn down into a vertical position, causing the bails F to swing likewise into a vertical position, and then by stretching the legs and the cot apart the canvas I will assume a horizontal position. Thus it will be seen that the bails F swing down parallel with the side rails, A, in the folded position of the cot, and in adjusting the latter to the unfolded position the head-support or pillow automatically assumes the proper position for use. The oscillating attachment of the blocks H enables a yielding motion to be given to the head-support, so as to be of greater comfort to the person reclining on the cot. The construction of the bail enables the weight of the head to be borne partly by the side rails and partly by the legs, since the bend *i* bears directly against the side rails, while the lower ends of the bails are attached to the legs.

The advantages of my invention are numerous. By the construction shown I am enabled to provide a simple, durable, and efficient head-support or pillow, which will automatically fold into the proper position, which will not get out of order, and which will be of great utility for the purposes intended.

It will be apparent that I may attach my improved automatic pillow to any folding cot in the market to which it could be adapted. It will also be seen that the canvas covering B of the cot extends to the extreme end at the head, and in order to permit the pillow or head-support to work, said canvas covering is provided with the eyelets or holes *m'*, through which pass the wire bails F. The object of having the canvas extend out to the extreme end of the cot at the head is to permit the placing of a pillow underneath the automatic head-support, when necessary, or as found desirable, said pillow being supported by the extended portion of the canvas, and affording more comfort for the person reclining on the cot. By means of the stop-pin *d* the braces D will automatically catch in the staples, so that it will not be necessary to adjust the braces by hand.

Having described my invention, I claim as new—

1. The combination, with the cot having the canvas covering extending out to the extreme end at the head, of the herein-described automatic head-support, comprising the spring wire bails pivoted at their lower ends to the legs, and passing upward through eye-

lets or holes in the canvas between the side rails, strips or blocks at the upper end of the bails, and a canvas covering connecting the strips or blocks, and attached at its ends to the side rails, whereby a pillow may be placed on the canvas beneath the head-support, as set forth.

2. The combination, with the cot having the canvas covering extending out to the extreme end at the head, of the herein-described automatic head-support, comprising wire bails pivoted to the legs and working through eyelets or holes in the canvas, eyes or staples secured to the inner face of the side rails of the cot for the bails to work in, and a covering connecting the upper ends of the bails, and having its ends secured to the side rails, arranged and operating as described, whereby a pillow may be supported on the canvas beneath the head-support, as set forth.

3. In an automatic pillow or head-support, the combination, with the side rails and legs of a folding cot, of the bails pivoted at their lower ends to the legs, and extending upwardly between the side rails, and a canvas covering connecting the upper ends of the bails, the latter being formed with a bend at an intermediate point of their length, which bends bear against the inner face of the side rails, and work through staples or eyes secured thereto, for the purpose set forth.

4. In an automatic pillow and head-support, the combination, with the side rails and legs of the cot, of the bails comprising the arms *a*, attached to the legs, bends *i* at an intermediate point of their length, vertical arms *l* at the upper ends of the bails, and a canvas covering connecting the upper ends of the said bails, the latter working through screw-eyes secured to the side rails, as set forth.

5. In an automatic pillow-support, the combination, with the sides and legs of a folding cot having the canvas covering extending out to the extreme end at the head, of the head or pillow support comprising the spring wire bails having their lower ends pivoted to the outside of the legs, bent at an intermediate point of its length around the upper end of the latter within the sides and bearing against the inner face thereof, and then extending upward substantially in a vertical line, eyes or staples secured to the side rails for the bails to work in, and a canvas covering connecting the upper ends of the bails, whereby a pillow may be placed on the canvas beneath the head-support, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

WILLIAM H. WOOLDRIDGE.

Witnesses:

JOHN G. STOERR,
P. N. CLARKE.