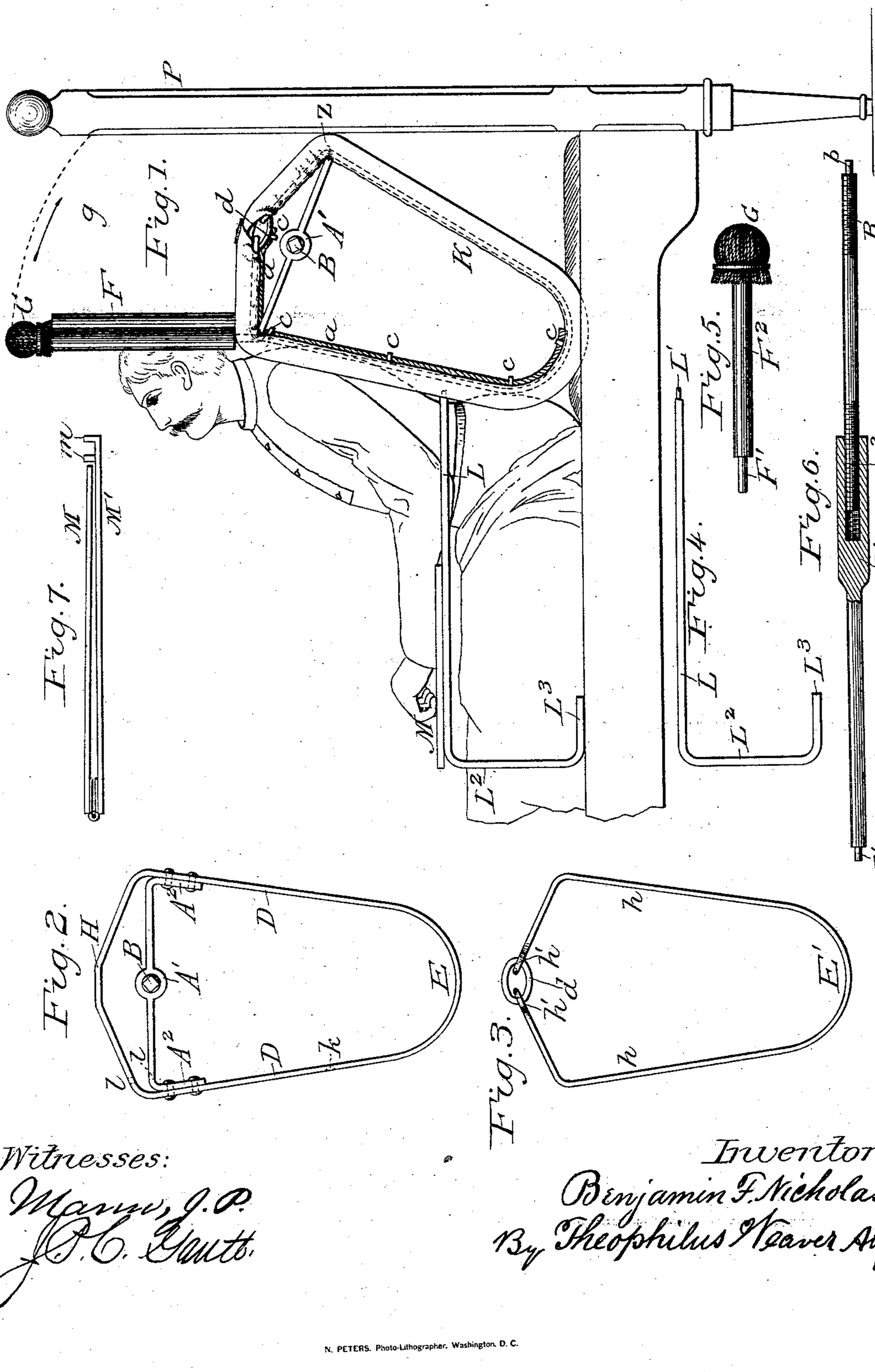
(No Model.) 2 Sheets—Sheet 1.

B. F. NICHOLAS.

VENTILATED PILLOW AND BOLSTER WITH ATTACHMENTS.

No. 316,999. Patented May 5, 1885.



Witnesses:
Manro, J. P.
J. P. C. Gantt.

Inventor:
Benjamin F. Nicholas,
By Theophilus Weaver Atty.

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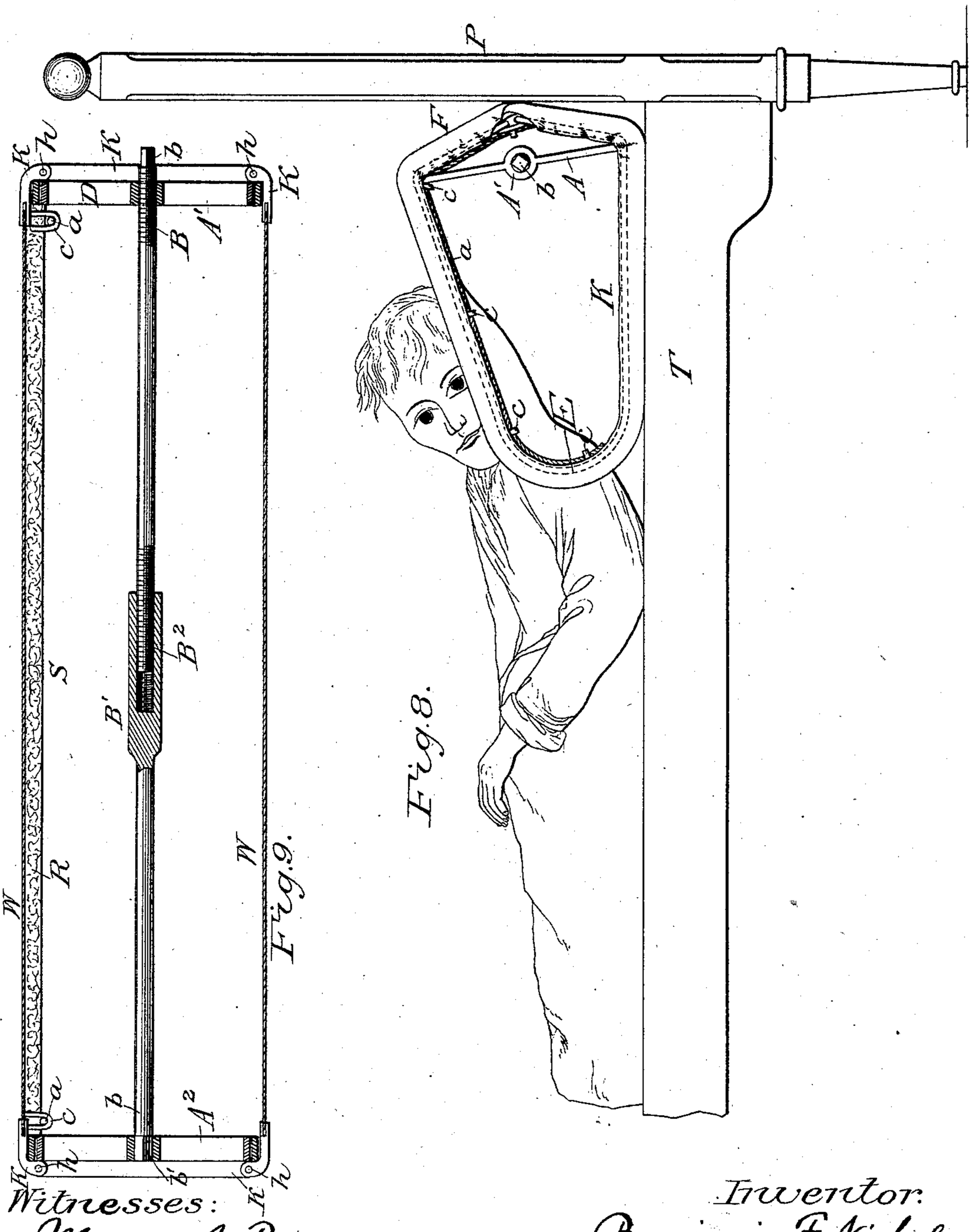

Fig. 8.

Fig. 9.

Witnesses:
Mann, J. P.
J. P. C. Gault.

Inventor:
Benjamin F. Nicholas,
By Theophilus Weaver Atty.

UNITED STATES PATENT OFFICE.

BENJAMIN FRANKLIN NICHOLAS, OF RENOVO, PENNSYLVANIA.

VENTILATED PILLOW AND BOLSTER WITH ATTACHMENTS.

SPECIFICATION forming part of Letters Patent No. 316,999, dated May 5, 1885.

Application filed July 18, 1884. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN F. NICHOLAS, a citizen of the United States, residing at Renovo, in the county of Clinton and State of Pennsylvania, have invented new and useful Improvements in Ventilated Pillows and Bolsters with Attachments; and I do hereby declare that the following is such a full, clear, and exact description of my said invention as will enable others, with the aid of the accompanying drawings, to make and use the same.

The objects of my invention will be hereinafter more fully described and claimed.

In the accompanying drawings, to which reference is made in the further description, Figure 1 represents an end view of my pillow and bolster in elevated position, with attachments thereon for head and back rest and front rest or table. Fig. 2 represents an end view of one of the two similar end frames of pillow. Fig. 3 represents the wire with link for securing the ticking on the end frames. Fig. 4 represents the removable bracket under each end of front rest or board. Fig. 5 represents one of the standards of back rest. Fig. 6 represents the connector in two sections. Fig. 7 represents the front rest or board folded. Fig. 8 represents an end view of pillow laid prone, with occupant at rest thereon. Fig. 9 represents a longitudinal section of pillow, taken through middle of the bridge in end frame or through greatest cross-section of pillow.

The same parts are denoted by like letters in the several views.

Letters A D E H denote one of the similar end frames, which are of polygonal outline, as shown in Fig. 2. A denotes the bridge thereof, joined firmly at its ends A^2 to the sides D. Said frame is made of band-iron of about three-sixteenths inch by one and a fourth inch bar. B B^2 B′ denote the connector of said frames. The part B B^2 is screw-threaded at B, where it travels through one of the bridge-pieces at A′, and thus adjusts its end B^2 in and out, which end sets in a socket on the part B′, and the latter sets by a journal, *b*′, in the opposite bridge-piece. The end *b* is angular, that it may be driven by a wrench. I sometimes make the end B^2 a screw to travel in and out of the socket B′, which then is tapped, and the part B is then made with a shoulder, like the end *b*′; but that form is a little more expensive to make. The object in either of said forms is to make the connector removable, and hence the pillow and bolster collapsible.

The connector serves to brace the two end frames A D E H apart, and thus stretch the ticking W thereon, which latter is attached over the peripheries of said frames by means of the bent wires E′ *h*, inserted through hems K on the ticking, and after insertion have their hooked ends *h*′ embraced by links *d*. Said wires are similar in outline to said frames, but a little less in area, and hence when closed by said links after insertion will not strip over said end frames. Therefore the ticking is thereby securely, yet removably, applied or fastened.

Inside the pillow and bolster is secured against the ticking, about half the distance around, a pad, R, by a flap, S, held against said pad by eyes or loop C on the ticking, inserted through said pad and flap and embraced by lacer *a*, inserted through the loops C, as shown. The pad can thus be removed when the ticking is to washed. The pad extends only about halfway around on inside of the ticking, that the pillow and bolster may be reversed to present either the padded or the unpadded side of it next the occupant when either a warm or a cool pillow is preferred.

The position of the occupant when reposing on my improved article is so far up on it that the shoulders may rest thereon as well as the head. The ticking, owing to the spring inward of the parts E of the end frames, is yielding, and accommodates itself to the curvature of the head, neck, and shoulders of the occupant, not unlike a hammock, and the device is more relieving for patients than the common pillows and bolsters.

Letter F denotes an extension or flap of the ticking, having marginal hems, through which are inserted the standards F^2, which are set by tenons F′ thereon into holes in the frames A D E H at *l*, as shown in Fig. 1.

The pillow or bolster is erected to be in inclined position against the head-board of bed; and said flap F and standards F^2 then stand vertical and constitute a head and back rest for occupant while sitting, as shown. The said rest and pillow may be turned in di-

rection of arrow *g*, so that the tips G of the standards F^2 rest against the head-board of bed when a raised inclined pillow is desired. When the pillow is set as shown in Fig. 1, the part Z serves as a fulcrum about which the occupant can turn the pillow and bolster by inclination of the head and bend of the back at will.

Letter L denotes extended attachments or brackets on said end frames A D E H, for supporting thereon the rest M M′, which is made of two sections of board hinged together, and having on one of the sections a stop made by cleats *m*, to retain it upon the parts L. The latter are metallic rods rebent at L^3 to form feet to uphold their ends properly when set on the bed-clothing, as shown. These parts—brackets and boards—constitute a front rest for the arm of the occupant, as while reading, taking food, or writing.

The front rest last named and the back-rest are both removable attachments.

The flap F, although an extension of the ticking, can be folded away on or into the casing, which buttons shut adjacent thereto.

The pillow-case is made in ordinary form, except, as stated, it buttons shut longitudinally at the head or top of pillow.

The ends of my pillow and bolster are left open that air may circulate freely through it. Said ends may, however, be partially closed by any suitable fringe or ornamental appendages. In fact the end frames of pillow can be decorated handsomely in a variety of superior luxuriant styles. The said end frames, although rigid, and of iron or steel, are not in the way of the occupant, and the pillow or bolster is not liable to work downward from the head-board of bed, as do other pillows.

The device is light, and can be easily handled in bed-making.

The connector B B^2 B′ is so located longitudinally in the thicker part of pillow or bolster that the sag of the ticking, when the head of the occupant presses upon it, will not reach down to it, and thus is avoided contact therewith. Said connector is made entirely or in part of steel to secure stiffness without much weight and bulk.

The hems K may be folds of cloth of considerable thickness to more effectively cover the end frames A D E H, and also to resist tearing when full stress is on them.

What I claim is—

1. In a ventilated pillow and bolster, the combination of the rigid open end frames A D E H, having the cross-bars or bridges A A′, respectively, with the ticking W, secured on said frames by wires E′ *h* and closing-links *d*, and with connector B B^2 B′, constructed as a sectional set-screw, and inserted in said bridges removably, substantially as and for the purposes set forth.

2. In a ventilated pillow and bolster, the combination of the open-end frames A D E H, the removable connector in two sections, B B^2 and B′, the ticking W, and the gathering-wires E′ *h*, provided with hooked ends *h*′, and links *d*, for closing them when inserted in hems K of ticking, as and for the purposes set forth.

3. In a ventilated pillow and bolster, in combination with the end frames A D E H, the standards F^2 and flap F, the ticking W, and the sectional connector B B^2 B′, all coacting, substantially as and for the purposes set forth.

4. In a ventilated pillow and bolster, in combination with the end frames A D E H, provided with the ticking W, and the connector B B^2 B′, the removable supports L, and folding rest M M′, all coacting, substantially as and for the purposes set forth.

5. In a ventilated pillow and bolster, the combination of the ticking W, supported on end frames A D E H, braced apart by the connector B B^2 B′, with pad R, and flap S, substantially as set forth.

6. In a ventilated pillow and bolster, the combination of the end frames A D E H, the sectional connector B B^2 B′, the ticking W, the gathering-wires E′ *h*, provided with links *h*′ *d*, and pad R, all removably secured together, substantially as and for the purposes set forth.

BENJAMIN FRANKLIN NICHOLAS.

In presence of—
E. D. NICHOLAS,
CHAS. H. MOORE.