To all whom it may concern:  

Be it known that I, JOSPEH BYNUM McCранEY, a citizen of the United States, residing at High Point, in the county of Guilford and State of North Carolina, have invented certain new and useful Improvements in Folding Hospital-Beds; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make as use the same.

My invention has for its object to provide an extremely simple and inexpensive, yet a highly efficient and durable folding bed which may well be used in hospitals, provision being made whereby the supports for the bed, when in use, form panels for covering the device from view when folded.

With the foregoing general object in view,

the invention resides in the novel features of construction and unique combinations of parts to be hereinafter fully described and claimed, the descriptive matter being supplemented by the accompanying drawings which form a part of this specification and in which:

Figure 1 is a vertical section of one form of the bed extended for use;

Fig. 2 is a transverse section on the plane of the line 2—2 of Fig. 1;

Fig. 3 is a front elevation showing the device in folded position;

Fig. 4 is a front elevation of a modified form of construction, the bed being folded;

Fig. 5 is a similar view with the bed extended for use; and

Fig. 6 is a transverse section on the plane indicated by the line 6—6 of Fig. 5.

In the drawings above briefly described,
The numeral 1 designates a suitable cabinet which may be separate from or built into the wall of a building, said cabinet preferably extending to the floor and having the lower ends of its front closed by a permanent panel 2.

Hinged at 3 to the upper edge of the panel 2, is a rectangular spring frame 4, carrying a bed spring 5 and adapted to fold upwardly into the cabinet 1 when not in use. A plurality of panels 6 are provided for covering the spring 5 when the latter is folded upwardly, said panels being hinged on transverse lines to the frame 4 as shown at 7. The upper or hinged edge of each panel 6 is formed with a notch 8 extending substantially throughout its width to permit the necessary downward yielding of the spring 5 when the bed is in use, and the lower ends of the panels are provided with extensions 9 for snug reception in the notches 8 when the device is folded as shown in Fig. 3. The lower edge of the panel 6 adjacent one end of the frame 4 need not be provided with an extension such as 9, since this panel engages the panel 2, and similarly the panel 6 at the opposite end of the frame need not be formed with a notch such as 8, as no yielding of this frame is here necessary.

In Figs. 4, 5 and 6 a horizontally elongated cabinet 1* is shown, the frame 4* of the bed being hinged to said cabinet at 3* for downward and upward swinging. With the exception of the fact that the device shown in the figure last mentioned will extend along the wall when projected for use, its construction is the same as that above described, the panels 6* performing the same function.

The device first described is intended principally for use upon sleeping porches, whereas the form of the invention shown in Figs. 4, 5 and 6, is designed to be used indoors where economy of space is necessary. Both types of the device will be equally advantageous, forming a comfortable bed when opened and presenting a neat appearance when folded.

Since probably the best results are obtained from the several specific details shown and described, these details will in most cases be employed, but I wish it understood that within the scope of the invention as claimed, numerous minor changes may well be made.

I claim:

In a folding bed the combination of a support, an open frame hinged thereto for folding toward the same, said frame carrying a bed spring and forming therewith a bed when swung to a horizontal position, and a plurality of panels completely covering the outer side of the spring when the frame is folded, said panels being hinged to said frame on transverse lines, whereby they may swing downwardly to support the frame when in use, the hinged end of each panel between the ends of the frame hav-
ing a notch extending substantially throughout its width to permit downward yielding of the spring when in use, the other ends of adjacent panels having extensions for snug reception in said notches when the bed is folded. In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOSEPH BYNUM MCCRANEY.

Witnesses:

GILBERT MUSE,

M. C. CROWSON.