

of the said folding sections as they are raised or lowered in folding or unfolding the bed. For this purpose I prefer to use flat springs *f*, (see Figs. 3 to 6,) secured at one end to the inside of the rectangular frame of stationary sections A, the free end of said springs passing through clips or slides *g g*, secured to the inside of the bottom of the respective folding sections B C. Any desired number of these springs may be used to secure the proper degree of tension. Being attached to the inside of the respective sections, they are completely covered by the bedding, and therefore do not interfere in any way with the other working parts of the bed. The bedding of the bed is supported, in the usual manner, by a suspension-support secured at each end to the respective folding sections of the bed. For this purpose I preferably use an ordinary woven-wire spring or mattress, *h*, which is secured at each end to suitable cross-pieces, *i i*, in the folding sections B C.

In order that the woven-wire spring may have additional support at the center when the bed is in use, I provide a yielding support, E, adapted to be automatically raised up to support the woven-wire spring when the bed is unfolded, and to be lowered automatically into the stationary section when the bed is folded. This yielding support E (see Figs. 3, 4, and 6) consists of a platform, *k*, carrying a series of coiled springs, *l*, said platform *k* being suspended by links or arms *m* from the side boards, *n*, of the respective folding sections B C, so that as the sections B C are lowered the platform *k* is raised, and vice versa. The coiled springs *l* are thus brought up to and form a support for the woven-wire spring *h* when the bed is unfolded, and are automatically lowered out of the way when the bed is folded.

In order that the folding sections B C may be rigidly held in place when the bed is unfolded, and thus keep the suspended bedding-support stretched when the bed is in use, I provide at each side of the bed a brace, *o*, consisting of two arms joined together in the nature of a toggle-joint. These braces are pivoted at each end to the side boards, *n*, of the

respective folding sections B C, and are each adapted when straightened out to form a continuous bar or brace which shall be inflexible as to end pressure, but capable of being folded sidewise. When the bed is unfolded, these braces are straightened out in a horizontal position between the respective folding sections B C, and thus hold said sections rigidly in place. In folding the bed the braces are drawn out of line at their joints, and will then readily fold up with the other portions of the bed.

The folding sections are provided with the usual legs, which may be made to resemble a portion of the ornaments or trimmings of the desk when folded. The customary hooks or clasps for holding the folding sections together when folded are also provided.

When folded together, the bed has all the appearance of an ordinary office-desk, and may be used as such. The entire desk, being attached to and forming a part of the head-section of the bed, does not in any way interfere with the folding or unfolding of the bed, and by the novel construction thereof the contents of the desk will be very little deranged by the turning necessary in unfolding the bed.

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

1. The combination, with the stationary section A and the folding sections B C, hinged on opposite sides of said stationary section, of a suspended bedding-support, *h*, secured at each end to the respective folding sections B C, the automatic auxiliary support E, and the jointed braces *o*, substantially as and for the purpose set forth.

2. The combination, with the stationary section A, folding sections B C, and head-board *a*, of end pieces, *c c*, top board, *d*, and cover *e*, substantially as and for the purpose set forth.

In witness whereof I hereunto subscribe my name this 8th day of November, A. D. 1883.

SARAH E. GOODE.

Witnesses:

PAUL A. STALEY,
ARCHIBALD L. GOODE.