M. M. NELSON.

FOLDING BED.

APPLICATION FILED AUG. 30, 1911.

1,068,523. Patented July 29, 1913.

Fig. 1.

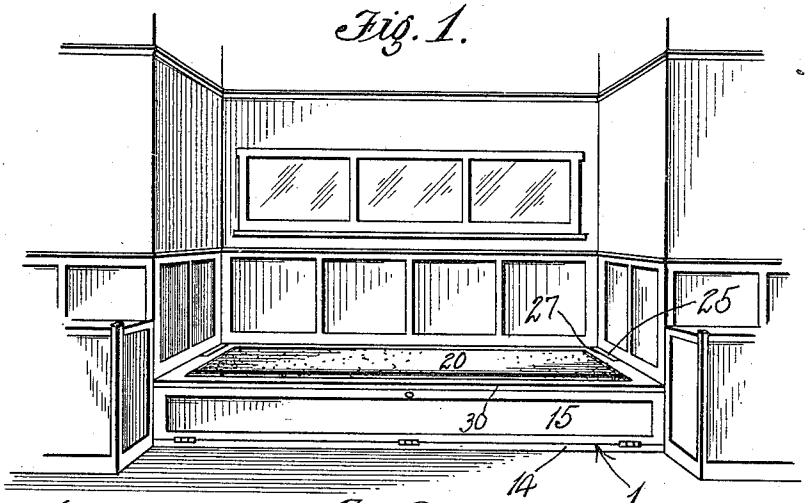


Fig. 2.

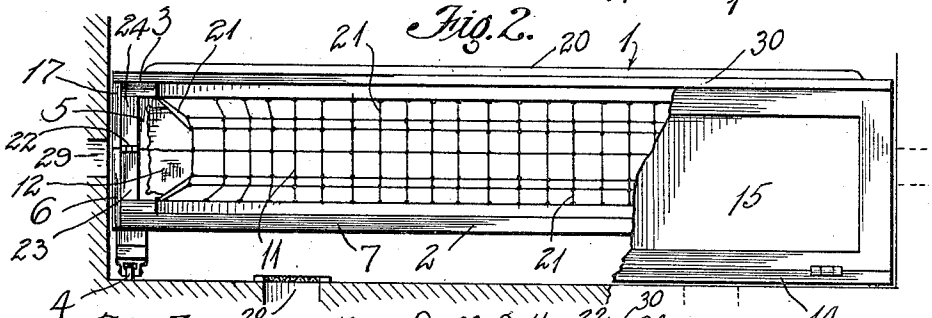


Fig. 3.

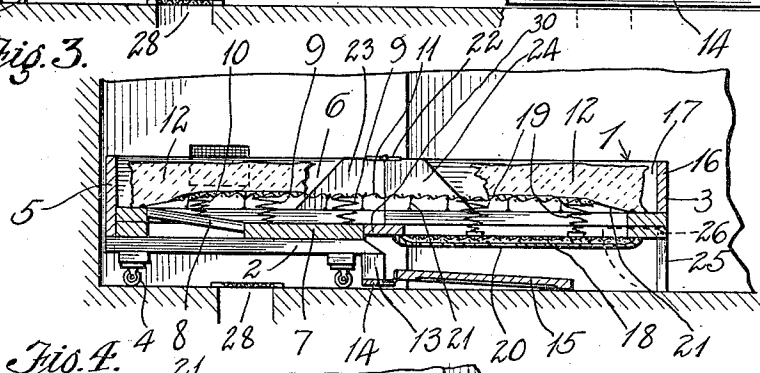
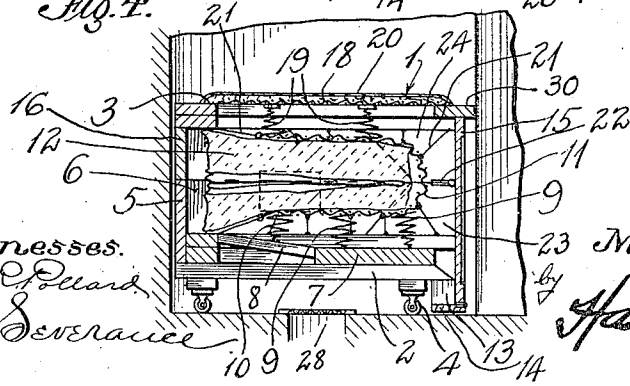


Fig. 4.



Witnesses.

E. R. Pollard.

C. Severance

Inventor.

Morris M. Nelson

by Howard & Howard

Attys.

COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

MORRIS M. NELSON, OF LOS ANGELES, CALIFORNIA.

FOLDING BED.

1,068,523. Specification of Letters Patent. Patented July 29, 1913.

Application filed August 30, 1911. Serial No. 646,827.

To all whom it may concern:

Be it known that I, MORRIS M. NELSON, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented new and useful Improvements in Folding Beds, of which the following is a specification.

This invention relates to improvements in folding beds and particularly to such as are suitable for use as couches and especially for nook or built in seat couches.

It is an object of the invention to provide a broad comfortable nook seat which is adapted to be unfolded and opened to provide a comfortable bed of the usual proportions.

It is a further object of the invention to provide a folding bed, which is adapted for use as a lounge or seat and which is so mounted as to be moved from place to place upon the floor.

In the accompanying drawing forming a part of this specification, Figure 1 is a front perspective view of a built in nook of a dwelling or other structure and having the improved folding bed arranged therein and folded as a couch or lounge. Fig. 2 is a view partially in front elevation and partially in section of the nook bed, showing the same upon an enlarged scale. Fig. 3 is a vertical transverse sectional view through the nook bed structure, the same being opened as when in use as a bed. Fig. 4 is a similar transverse sectional view but showing the bed folded to form a nook couch.

The details and features of the invention will now be more particularly described, reference being had to the said drawing, in which—

1 indicates a bed structure formed of an inner folding section 2 and an outer folding section 3. The inner folding section is provided with an open work bottom portion which is preferably mounted upon movable supports as for instance the casters or rollers 4. The rear edge of the section 2 is provided with a back board 5, the end boards 6 of a similar height are also provided for its lower section. For approximately half of its width the bottom portion is open, the front portion being occupied by a longitudinally extending board 7 which rests upon transverse beams at the ends that carry the casters 4. The board 7 is braced at intervals with respect to the back of the sections by means of inclined bars 8, thus making a very strong though open structure. The front board 7 is provided with a series of springs 9, usually of the spiral type and other springs as 10 are mounted upon the bracing bars 8. These springs support the bed structure, preferably made up of spring connecting wire webbing 11 and a mattress 12.

Depending from the front ends of the end beams are blocks 13, to the lower end of which is fastened a board or strip 14, which extends the entire length of the bed structure and is fitted to come quite close to the floor but without engaging the same. This strip 14 has its front edge arranged a sufficient distance forward of the blocks 13 to carry a front board or panel 15 which is hinged to the edge of the strip 14 and is turned upwardly so as to fit over both of the edges of the folding bed when in folded position as clearly shown in Figs. 1, 2 and 4. When the bed is in its unfolded position as shown in Fig. 3 the board or panel 15 is turned downwardly and rests upon the floor.

The front section 3 of the bed is formed with an open framing having edge portions 16 and 17 adapted to inclose the springs and mattress, the said edge portion coming up to the same height as the back and end boards 5 and 6. The open portion of the section 3 is formed with a strong wire webbing 18 fastened to the said frame and carrying bed springs 19. A padded cover 20 is placed over the said girding and forms a somewhat yielding and comfortable seat when the structure is folded. The webbing 11 which engages the springs 9 and 10 is also extended so as to engage the springs 19 and the said webbing is connected by links 21 around its edges, with the framing of the sections 2 and 3. This webbing 11 forms, when the bed is unfolded, a continuous yielding support resting upon the springs for receiving the mattress 12, thus affording a very comfortable bed.

The front section is hinged to the rear sections by means of hinges 22 which are fastened to strong blocks 23 and 24 mounted in the opposite ends of the sections 2 and 3. These blocks extend to the height of the edges of the sections and form firm supports for the front edge of the front section when it is folded in the form of a couch. The remaining edges of the sections also fit upon each other as clearly shown in Fig. 4. When

the sections are folded over as shown in Fig. 4 the front board 15 is raised and just fits between the strip 14 and the overhanging edge 30 upon the section 3. When the sections are unfolded the edge 24 extends under overhanging portions of the section 3 until it abuts against the board 7 as will be observed by reference to Fig. 3. The said section 3 is also provided with folding standards or legs 25 which are hinged at 26 and are adapted to fold into recesses 27 when the bed is folded.

The structure thus described is of such a character that the bed can be closely fitted into the nook shown in Fig. 1 forming a complete nook support or couch which can be constructed to harmonize with the other trimmings of the room. The nook is also preferably constructed with air inlet openings in the floor as shown at 28 and wall outlet openings at 29 for the affording a circulation of air through the bed structure when in folded position. These openings are preferably screened as shown in the drawing. The mounting of the structure upon the casters or rollers makes it possible to draw the bed out of the nook if desired though it is usually employed therein.

What I claim is:—

A folding bed and couch comprising a section mounted upon rollers having an open side, a couch section hinged thereto having an open side, and adapted to be folded upon the roller section, a panel support mounted on the open side of said roller section, and a hinged front panel carried by said panel support adapted to fit over and close the adjacent open sides of said sections when they are folded to form a couch, said panel being supported on the floor when the bed is open.

In witness that I claim the foregoing I have hereunto subscribed my name this 19th day of August, 1911.

MORRIS M. NELSON.

Witnesses:

E. STADTMAN,

EARLE R. POLLARD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."