Feb. 20, 1940. I. HERNANDEZ 2,191,387

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Fig. 1.

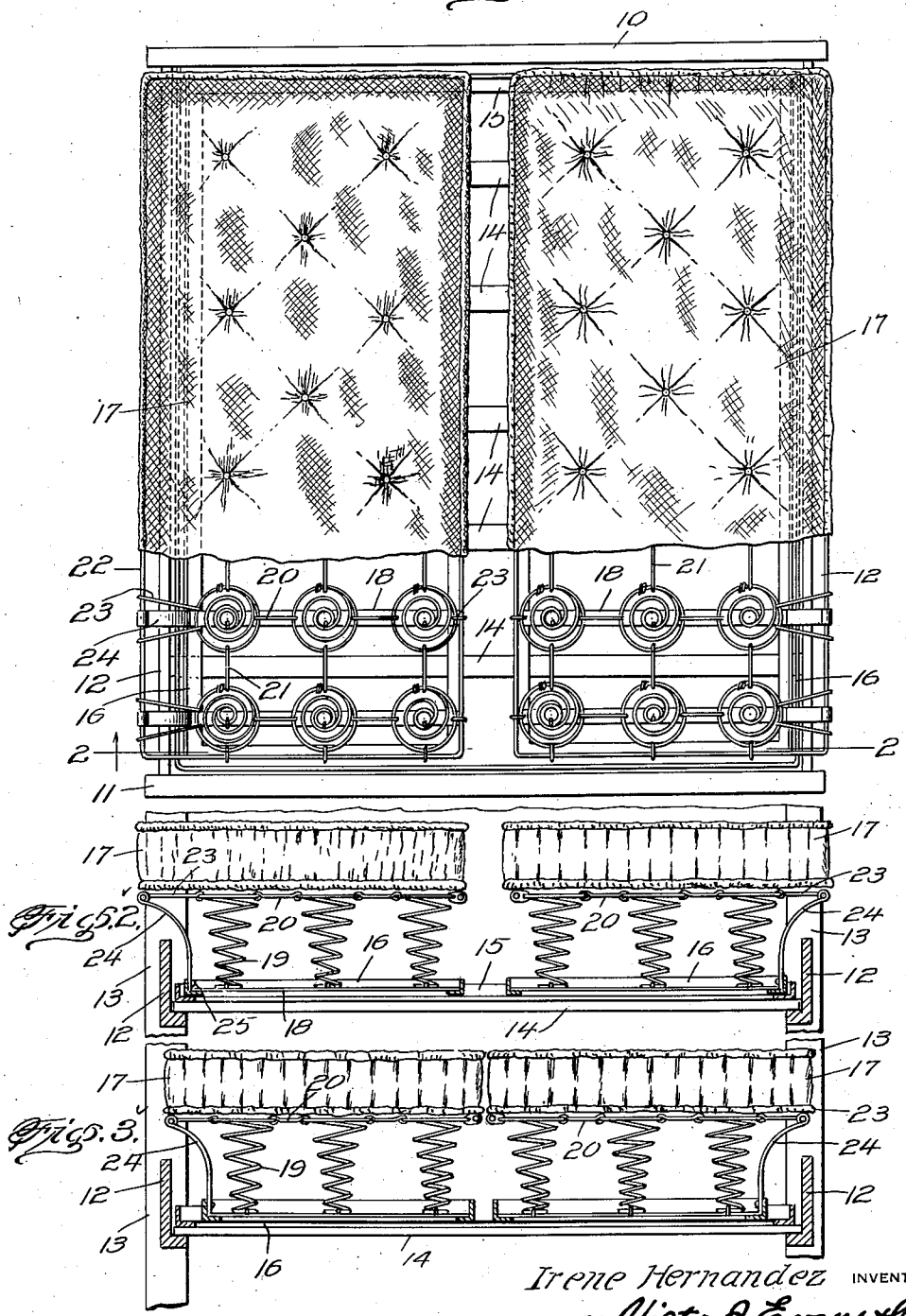


Fig. 2.

Fig. 3.

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1 Claim. (Cl. 5—8)

This invention relates to beds and has for an object to provide novel bed springs formed of two independent sections adapted to receive respective mattresses and being slidably mounted on a supporting frame to slide toward and away from each other so that a double bed or two single beds may be provided in a single bedstead.

A further object is to provide a bed adapted to slide laterally upon a supporting frame and having novel flat spring clips of arcuate contour permitting of the spring section being slid to its full limit of movement toward the side rail of the bed without marring or scratching the side rail.

A further object is to provide bed springs of this character which will be formed of a few strong, simple and durable parts, which will be inexpensive to manufacture, and which will not easily get out of order.

With the above and other objects in view the invention consists of certain novel details of construction and combinations of parts hereinafter fully described and claimed, it being understood that various modifications may be resorted to within the scope of the appended claim without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawing forming part of this specification,

Figure 1 is a plan view of bed springs and mattresses constructed in accordance with the invention, with portions broken away.

Figure 2 is a cross sectional view taken on the line 2—2 of Figure 1.

Figure 3 is a view similar to Figure 2 but showing the bed springs and mattresses slid toward each other to substantially their limit of movement to form a double bed.

Referring now to the drawing in which like characters of reference designate similar parts in the various views, 10 designates the head board, 11 the foot board, 12 the longitudinal side rails, 13 the legs of a bedstead, and 14 the slats of a bedstead, these parts being conventional.

In carrying out the invention a substantially rectangular frame 15 is provided, the same being formed of angle iron and being supported upon the slats 14. Slidably supported upon this supporting frame 15 is a pair of frames 16 also formed of angle iron and of rectangular shape, each frame being less than one-half the width of the supporting frame 14 so that the frames 16 may slide laterally toward and away from each other on the supporting frame 14.

Each of the frames 16 forms the bottom member of a spring section, there being two of these spring sections to support respective mattresses 17 which correspond in contour and in size to the respective spring section.

Cross bars 18 connect the longitudinal members of each of the frames 16, and to each one of these cross bars a plurality of helical springs 19 are secured. The springs are connected together in rows transversely of the frame 16 by cross wires 20 and are connected together in rows longitudinally of the frame 16 by longitudinal wires 21, as best shown in Figure 1.

A substantially rectangular wire frame 22 is connected to the outer springs all around the spring section by wires 23. These wires extend in the same plane as the wires 20 and 21.

The wire frame 22 is of a greater cross dimension than the frame 16 at the bottom of the spring section. A plurality of arcuate flat leaf springs 24 are connected at the upper ends to the wire frame 22 at the outer side of each spring section and are riveted as shown at 25, or otherwise secured at the lower ends to the frame 16, as best shown in Figures 2 and 3. These leaf springs yield when weight is placed upon the mattress at the same time the springs 19 yield due to the arcuate shape of the leaf springs 24 both spring sections may be moved outwardly away from each other to provide twin beds in a single bedstead and will overhang the side rails 12 without touching or marring the same during yielding movement when weight is placed upon the respective mattress.

From the above description it is thought that the construction and operation of the invention will be fully understood without further explanation.

What is claimed is:

In bed construction a supporting frame adapted to be supported upon bed slats, a pair of bed spring frames mounted upon the supporting frame to slide laterally toward or away from each other, all of said frames being formed of angle iron to provide flanges for limiting sliding movement of the bed spring frames relatively to each other and to the supporting frame, helical springs supported by each bed spring frame, a mattress supporting frame supported by the springs of a respective bed spring frame, said mattress supporting frame being of greater cross dimension than the respective bed spring frame and adapted to project over the side rail of a bedstead when the bed spring frames are slid outwardly from each other, a plurality of arcuate leaf springs connected at the upper ends to a respective mat-

tress supporting frame at the outer longitudinal edge thereof and connected at the lower ends to the outer side of the respective bed spring frame, said leaf springs yielding when weight is placed upon the helical springs, said leaf springs curving upwardly and outwardly over the side rails of the bedstead and overhanging the said side rails without touching or marring same during yielding movement of the helical springs.

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