

J. F. KAMPE.
DIVANETTE.
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1,062,337.

Patented May 20, 1913.

Fig. 1.

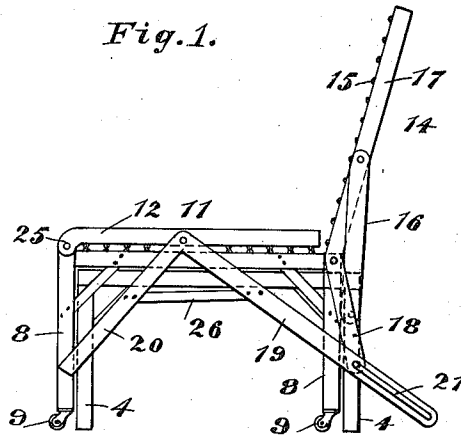


Fig. 2.

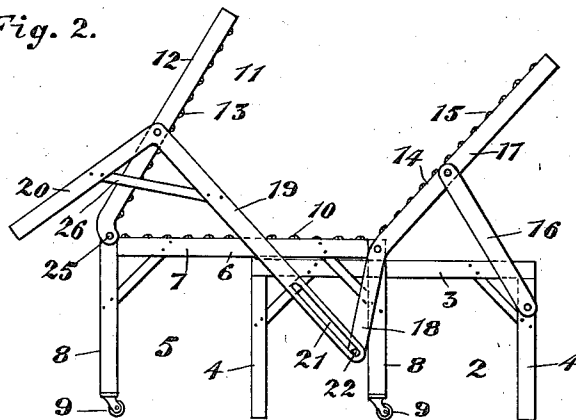
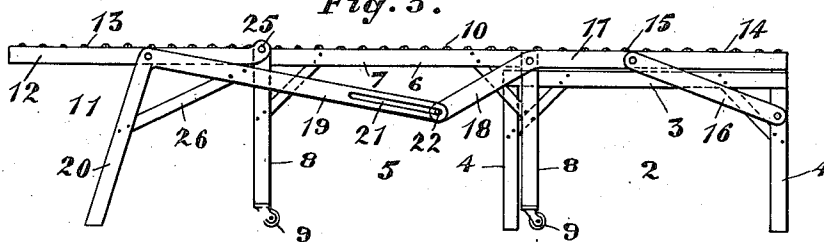


Fig. 3.



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DIVANETTE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN F. KAMPE, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Divanettes, of which the following is a specification.

This invention relates to that class of convertible couches or couch beds termed in the trade divanettes, by reason of the fact that they are usually about four feet long so as to take up the least possible space lengthwise and are made up of three sections each usually about two feet wide so that when opened up they will form a full length double bed, and in which, in one form thereof, they consist of a seat and a back to form a divan and, as hereinbefore stated, when opened up will form a full length bed, the object of the invention being to provide an improved structure of this kind comparatively simple and easily operated and so organized that on the swinging of one of the parts or sections the structure will be converted either into a divan or a double bed.

In the drawings accompanying and forming part of this specification, Figure 1 is an end view of this improved structure in the form of a divan; Fig. 2 is likewise an end view of the structure partly open; and Fig. 3 is an end view of the structure opened to form a double bed.

Similar characters of reference indicate corresponding parts in the different figures of the drawings.

In a brief way, the present improved structure in its preferred form may be considered as made up of a pair of swinging sections hinged to a shiftable or sliding middle section in such manner that on the swinging of one of said swinging parts or sections in one direction the other swinging part or section will move in the opposite direction, while at the same time the middle section will be shifted so that the structure may be converted either into a divan or a double bed, both of the said swinging sections having suitable means for supporting them when in the form of a double bed.

In the form shown this improved structure comprises a supporting frame 2, which may consist of a pair of suitably connected end frames 3, each consisting of a horizontal supporting member and a pair of legs 4. As this supporting frame is normally stationary it may or may not be provided with

casters as found most desirable in practice. This frame forms the support for the back when the same is lowered. Shiftable relatively to this supporting frame is the middle section 5, likewise comprising a pair of end frames 6, each consisting of a horizontal cross bar or member 7 and a pair of legs 8 provided with casters 9, these end frames having stretched or supported therebetween a suitable spring 10. Hinged to this middle section is a pair of swinging sections. The front swinging section 11 is hinged adjacent to the forward side or edge of the middle section and will comprise a pair of end cross members 12 suitably connected at their outer ends by a side bar and pivoted at their inner ends to the forward side of the middle section, and stretched between the cross bars of this section is a suitable spring or fabric 13. Hinged to the rear side or edge of the middle section is the rear swinging or back forming section 14, formed in substantially the same manner as the front swinging section and therefore carrying a spring 15. This rear swinging section is linked by a pair of links 16, one at each end, to the supporting frame 2, and the end bars 17 supporting the spring of this swinging section are shown as prolonged below their pivotal connection with the middle section, as at 18, and these parts 18 are connected by links 19, one at each end of the structure, with the front swinging section. Each of these links is provided at its forward end with a depending portion 20 forming a leg or support for the front swinging section, and in the form shown the rear end of each of these connecting links is provided with a slot 21 adapted to receive a headed pin or stud 22 carried by the part 18. This slot might be located at the forward end, or in preference to either slot a somewhat different construction of this connecting link might be used as may be found desirable.

When the structure is in the form of a divan the front swinging section rests flatwise and horizontally over the top of the middle section, thereby forming a seat, while the rear swinging section forms the back. In practice the upper side of the front swinging section, when the structure is in the form of a divan, may be suitably upholstered to give an ornamental appearance to the article, while the underside, which forms the top when the front swinging section is in the form of a double bed,

may be provided with a suitable mattress to be slept upon. The middle section will also be provided in practice with a suitable mattress and the back will be provided with a suitable stuffed mattress preferably of ornamental form.

The front swinging section is shown with its hinged ends somewhat curved, as at 25, this curvature depending upon the thickness of the stuffed mattresses carried by the middle and front sections in order that the seat may be sufficiently level to be comfortable. The connecting link between the two swinging sections is shown connected with the supporting leg by suitable braces 26.

In operation the user, on grasping the front swinging section and swinging it upward into position shown in Fig. 2, simultaneously moves the back in the opposite direction, while at the same time the middle or shiftable section is drawn forward by reason of the linkage connections between the supporting frame 2, the back and the shiftable middle section and the linkage connection between the two swinging sections; and on further swinging the front swinging section downward into the position shown in Fig. 3 the middle section is drawn entirely forward while the back is moved downward on to its supporting frame 2, which at no time moves, and at the same time the linkage connection between the two swinging sections carries the front leg into position to support the front swinging section. A reversal of this operation converts the structure into a divan as shown in Fig. 1. Thus it will be observed that on swinging the front swinging section in one direction the rear or back forming section will be swung in the opposite direction to convert the structure either into a double bed or into a divan, and that simultaneously with the swinging of the front swinging section the middle section is shifted forward from off of the supporting frame 2 and into position shown in Fig. 3. Of course this operation could be effected by grasping the back instead of the front swinging section, although the structure is much more easily operated by shifting the front swinging section.

By reason of the present improvement it will be observed that the structure is readily converted into a full-length double bed without moving or drawing the structure away from the wall against which it may be located; that is to say, the supporting frame 4 is normally stationary and it is not necessary in order to convert the structure into a double bed or to change it back to a divan, to move the supporting frame away from the wall, which is a considerable advantage in structures of this kind.

I claim as my invention:

1. A divanette comprising a sliding mid-

dle section, a pair of swinging sections hinged thereto at opposite sides, and means including connecting means between said swinging sections whereby on the swinging of one of the swinging sections in one direction the other swinging section will be swung in the opposite direction and the middle section will be shifted thereby to form a full length bed.

2. A divanette comprising a sliding middle section, a pair of swinging sections hinged thereto, means including connecting means between said swinging sections whereby on the shifting of one of the swinging sections in one direction the other swinging section will be swung in the opposite direction and the middle section will be shifted thereby to form a full length bed, and means for supporting each of the swinging sections.

3. A divanette comprising a sliding middle section, a pair of swinging sections hinged thereto, means including connecting means between said swinging sections whereby on the swinging of one of the swinging sections in one direction the other swinging section will be swung in the opposite direction and the middle section will be shifted thereby to form a full length bed, and means for supporting each of the swinging sections, the means for supporting one of the swinging sections being formed as a part of the connection between said swinging sections.

4. A divanette comprising a shiftable middle section, a pair of swinging sections hinged thereto at opposite sides and connected together, means whereby on the swinging of one of the swinging sections in one direction the other swinging section will be swung in the opposite direction and the middle section will be shifted thereby to form a full length bed, and means for supporting each of the swinging sections, the means for supporting one of said swinging sections resting under the middle section when the structure is in the form of a divan.

5. A divanette comprising a shiftable middle section, a pair of swinging sections hinged thereto at opposite sides and connected together, means whereby on the swinging of one of the swinging sections in one direction the other swinging section will be swung in the opposite direction and the middle section will be shifted thereby to form a full length bed, and means for supporting each of the swinging sections, the means for supporting one of said swinging sections being formed as a part of the connection between said swinging sections and the means for supporting the other of said swinging sections resting under the middle section when the structure is in the form of a divan.

6. A divanette comprising a shiftable mid-

dle section, a pair of swinging sections hinged thereto at opposite sides and connected together, means whereby on the swinging of one section the other will swing simultaneously therewith and the middle section will be shifted, and supporting means for the rear swinging section and from off of or on top of which the middle section is shifted.

7. A divanette comprising a supporting frame, a middle section shiftable relatively thereto, a pair of swinging sections connected to the middle section and one forming in one position the back of the divan and the other the seat thereof, means connecting the back swinging section with the supporting frame whereby on the lowering of said back the supporting frame will support the same, and means connecting the swinging sections whereby on the swinging of one the other will be simultaneously swung, the middle section shifted, and the back drawn forward and downward on to said supporting frame.

8. A divanette comprising a supporting frame, a middle section shiftable relatively thereto, a pair of swinging sections hinged to the middle section at opposite sides and one forming in one position the back of the divan and the other the seat thereof, means connecting the back swinging section with the supporting frame whereby on the lowering of said back the supporting frame will support the same, and means connecting the swinging sections whereby on the swinging of one the other will be simultaneously swung and the middle section shifted, said connecting means having supporting means for supporting the front swinging section in one position thereof.

9. A divanette comprising a supporting frame, a middle section shiftable relatively thereto, a pair of swinging sections hinged to the middle section at opposite sides and one forming in one position the back of the divan and the other the seat thereof, means connecting the back swinging section with the supporting frame whereby on the lowering of said back the supporting frame will support the same, and means connecting the swinging sections whereby on the swinging of one the other will be simultaneously swung and the middle section shifted, said connecting means having supporting means for supporting the front swinging section in one position thereof and said connecting means comprising a link and said back swinging section having a depending portion, said link and depending portion having one a slot and the other a stud projecting thereinto.

10. A divanette comprising a supporting frame, a middle section shiftable relatively thereto, a pair of swinging sections hinged to the middle section at opposite sides and one forming in one position the back of the

divan and the other the seat thereof, means connecting the back swinging section with the supporting frame whereby on the lowering of said back the supporting frame will support the same, and means connecting the swinging sections whereby on the swinging of one the other will be simultaneously swung and the middle section shifted, said connecting means having supporting means for supporting the front swinging section in one position thereof, said connecting means comprising a link and said back swinging section having a depending portion, said link having a slot and said depending portion a stud projecting thereinto.

11. A divanette comprising a supporting frame, a middle section shiftable relatively thereto, a pair of swinging sections hinged to said middle section at opposite sides and one forming in one position the seat of the divan and the other the back thereof, and means connecting said swinging sections whereby on the swinging of the front swinging section in one direction the middle section will be drawn forward and the rear swinging section will be drawn forward therewith and downward to rest on the supporting frame and thereby form a double bed.

12. A divanette comprising a supporting frame, a middle section shiftable relatively thereto, a pair of swinging sections hinged to said middle section at opposite sides and one forming in one position the seat of the divan and the other the back thereof, means connecting said swinging sections whereby on the swinging of the front swinging section in one direction the middle section will be drawn forward and the rear swinging section will be drawn forward therewith and downward to rest on the supporting frame and thereby form a double bed, and means connected with the front swinging section for supporting the same when the structure is in the form of a double bed.

13. A divanette comprising a supporting frame, a middle sliding section resting thereover when the structure is in the form of a divan, a front swinging section hinged to said middle section and resting on top thereof when the structure is in the form of a divan, a back swinging section hinged to said middle section and forming the back when the structure is in the form of a divan, means connecting the two swinging sections, and means connecting the back with the supporting frame whereby on the swinging of one swinging section the other will be simultaneously swung into position to form the back or to rest on the supporting frame and the middle section will be shifted off of or over such supporting frame and the front swinging section will be swung on to or in front of such middle section.

14. A divanette comprising a supporting

frame, a middle sliding section resting there-
 over when the structure is in the form of a
 divan, a front swinging section hinged to
 said middle section and resting on top there-
 5 of when the structure is in the form of a
 divan, a back swinging section hinged to
 said middle section and forming the back
 when the structure is in the form of a divan,
 means connecting the two swinging sections,
 10 and means connecting the back with the sup-
 porting frame whereby on the swinging of
 one swinging section the other will be simul-
 taneously swung into position to form the
 back or to rest on the supporting frame
 15 and the middle section will be shifted off
 of or over such supporting frame and the
 front swinging section will be swung on to
 or in front of such middle section, said
 connecting means carrying means for sup-
 20 porting the front swinging section.

15. A divanette comprising a supporting
 frame, a middle sliding section resting there-
 over when the structure is in the form of a
 divan, a front swinging section hinged to
 25 said middle section and resting on top there-
 of when the structure is in the form of a
 divan, a back swinging section hinged to
 said middle section and forming the back
 when the structure is in the form of a divan,
 30 means connecting the two swinging sections,
 and means connecting the back with the
 supporting frame whereby on the swinging
 of one swinging section the other will be si-
 multaneously swung into position to form
 35 the back or to rest on the supporting frame
 and the middle section will be shifted off of
 or over such supporting frame and the front
 swinging section will be swung on to or
 in front of such middle section, said con-
 40 necting means having a pin and slot con-
 nection with one of said swinging sections.

16. A divanette comprising a supporting
 frame, a shiftable middle section, a pair of
 swinging sections hinged to the middle sec-

tion, one forming the seat of the structure 45
 in one position and the other the back there-
 of and the latter linked to said supporting
 frame, said back having depending portions,
 and means connecting the depending por- 50
 tions of the back with the front swinging
 section whereby on the swinging of one of
 said sections in one direction the other will
 be swung in the opposite direction.

17. A divanette comprising a supporting
 frame, a shiftable middle section, a pair of 55
 swinging sections hinged to the middle sec-
 tion at opposite sides thereof, one forming
 the seat of the structure in one position and
 the other the back thereof and the latter
 linked to said supporting frame, said back 60
 having depending portions, and means con-
 necting the depending portions of the back
 with the front swinging section whereby on
 the swinging of one of said sections in one
 direction the other will be swung in the op- 65
 posite direction, said connecting means hav-
 ing supporting members for the front swing-
 ing section.

18. A divanette comprising a supporting
 frame, a middle sliding section, a swinging 70
 back section hinged to one side of said mid-
 dle sliding section and linked to said sup-
 porting frame, a swinging front or seat sec-
 tion hinged to the middle section, and link- 75
 age connection between the pair of swing-
 ing sections whereby on the swinging of
 one of said sections the middle section will
 be shifted and the back swung into an up-
 right position or on to the supporting frame,
 the said two swinging sections swinging in 80
 opposite directions.

Signed at 1821 Park Row Bldg. N. Y.
 this 24th day of October, 1912.

JOHN F. KAMPE.

Witnesses:

JOHN B. MCGUIRE,
 F. E. BOYCE.