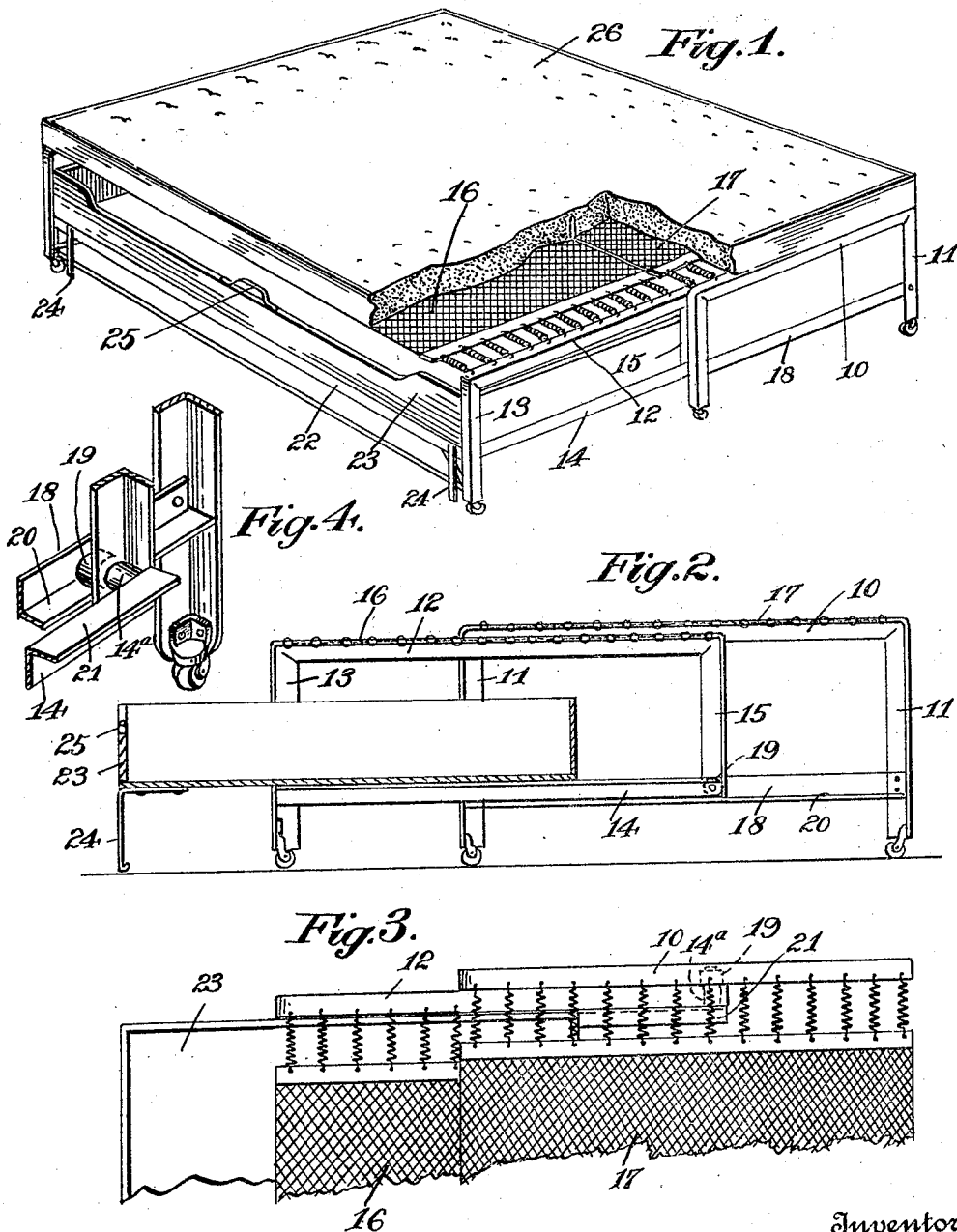


A. J. KREUZKAMP.
SLIDING COUCH OR BED.
APPLICATION FILED MAY 19, 1921.

1,413,593.

Patented Apr. 25, 1922.

2 SHEETS—SHEET 1.



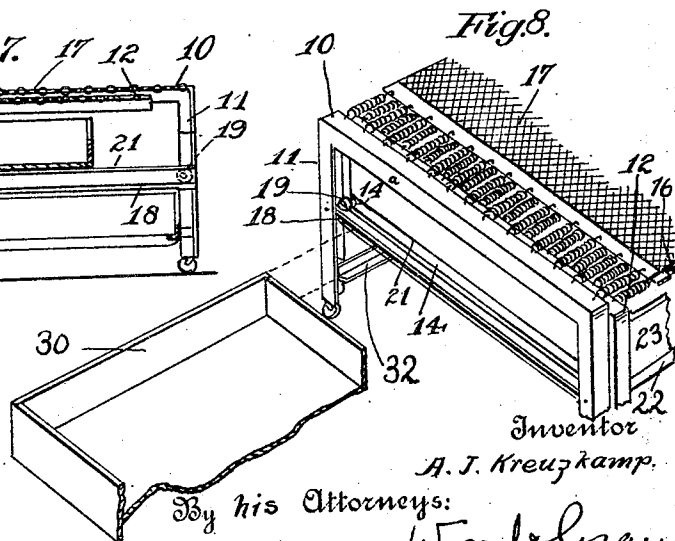
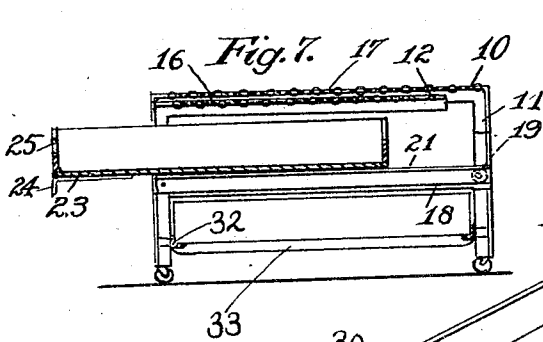
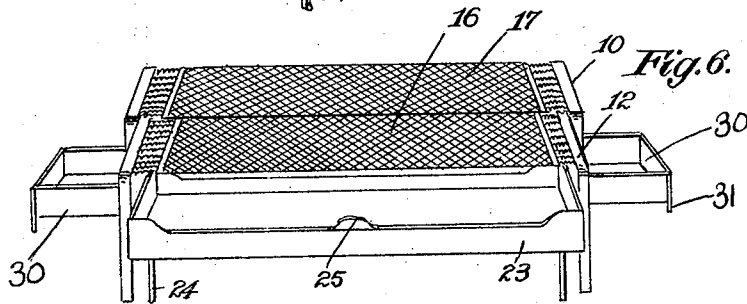
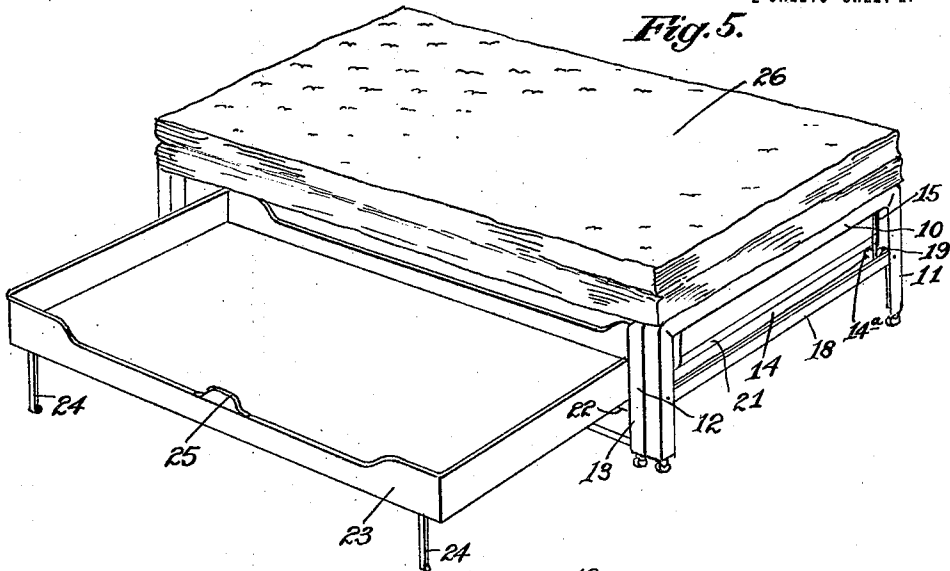
Inventor
A. J. Kreuzkamp.
By his Attorneys:
Weed & Gray

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By his Attorneys:

Woods & Gray

UNITED STATES PATENT OFFICE.

AUGUST J. KREUZKAMP, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE ENGLANDER
SPRING BED COMPANY, OF BROOKLYN, NEW YORK, A CORPORATION OF NEW
YORK.

SLIDING COUCH OR BED.

1,413,593.

Specification of Letters Patent. Patented Apr. 25, 1922.

Application filed May 19, 1921. Serial No. 470,755.

To all whom it may concern:

Be it known that I, AUGUST J. KREUZKAMP, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Sliding Couches or Beds, of which the following is a specification.

This invention relates to beds or sliding couch beds, an object thereof being to provide a bed preferably of the extensible or convertible type having one or more sliding tray sections or receptacles adapted for the purpose of conveniently storing bed clothes or other articles, and to provide a bed wherein such sliding storage receptacle or tray is supported by the bed frame above the floor, and in a novel, efficient, cheap, and practicable manner.

A further object of my improvement is to provide a bed wherein certain of the side and end spacing bars or tie bars connected to the legs of the sliding bed section form supporting means or ways upon which the sliding receptacle normally rests, thereby permitting such receptacle or tray section to be carried as near the top of the bed as possible and between the spacing bars and the mattress fabric thereby rendering the same more conveniently accessible to the user, and at the same time obviating any material or expensive reorganization of the bed. Thus an important advantage of my improvement resides in the simplicity of construction, effectiveness of operation, economy of manufacture, and the ready accessibility of the parts.

Other objects of my invention will appear in the following description thereof, reference being had to the accompanying drawings forming a part of the specification, wherein like reference characters indicate corresponding parts in the several views and wherein Fig. 1 is a perspective view partly broken away, of a sliding couch bed embodying my invention, the sliding section being shown in its extended position and the sliding tray section in its closed position; Fig. 2 is a side elevation, partly in section illustrating another position of the sections; Fig. 3 is a detail plan view partly broken away illustrating my invention; Fig. 4 is a detail perspective view of a corner of the main section and the sliding section, illustrating the relation between the parts; Fig. 5 is a

perspective view illustrating the bed sections closed and the receptacle in open position; Fig. 6 is a perspective view of an embodiment illustrating the bed provided with both side and end sliding receptacles; Fig. 7 is a side sectional view of this embodiment; and Fig. 8 is a detail perspective view, partly broken away, illustrating the relation of side and end drawers to the bed structure.

In the drawings, I have illustrated my improvement in its preferred form wherein the same is applied in conjunction with a day bed or couch bed having a sliding or extensible section.

Referring to the figures, it will be seen that a sliding receptacle or tray section of substantially the same length as the bed, adapted for the purpose of storing bed clothes or other articles, is carried or supported by the usual framework of the sliding bed section a substantial distance above the floor, and is located between the usual tie bars or spacing bars connected to the supporting legs of the bed section and the metallic fabric or spring mattress thereof. As shown, a side receptacle may be carried by the sliding section and end receptacles by the main section.

The main and sliding bed sections may of course be of any preferred construction, in the present instance the same being illustrated by way of example. This bed comprises a main bed section having end frames 10 provided with the usual supporting legs 11, and a metallic or spring fabric 17 stretched between the end frames 10. A sliding bed section is supported or carried by the main bed section and comprises end frames 12 having at one side a pair of supporting legs 13 and at the opposite side a pair of depending members 15. Between the end frames 12 of the sliding section is stretched a suitable metallic fabric or spring mattress 16. End or cross bars 14, preferably of angle iron construction, are connected to the legs 13 at a suitable distance below the spring mattress 16 and are also connected as at 14^a to the lower ends of the depending members 15. Suitable cross bars or spacing bars 18, preferably of angle iron construction, are connected to the supporting legs 11, and the horizontal flanges 20 thereof are adapted to form tracks or ways for the rollers 19 connected to the lower ends of the depending members 15 as illustrated in Fig. 4.

Thus the usual cross or end spacing bars 18 of the main section are adapted to support for shiftable movement the inner side of the sliding section.

5 The inwardly extending flanges 21 of the end spacing bars 14 in conjunction with the side bar 22 connected to the supporting legs of the sliding section, form supporting ways or guides for the storage receptacle or tray
10 section 23. This receptacle may be of any preferred construction and in the present instance is substantially the same length as the sliding section 12. As illustrated in Fig. 1, the tray or receptacle 23 in closed
15 position is supported upon the end bars 14 and the side bar 22. A pair of supporting legs or depending members are secured to the receptacle at the outer side thereof, and it will be seen that in the closed position of
20 the receptacle the legs 24 are adapted to abut against, engage, and overlap the side bar 22 thereby limiting the movement of the receptacle or tray section relatively to the sliding section. In order to limit the outward
25 movement of the receptacle suitable stops may be provided if desired, so as to prevent the receptacle from being withdrawn too far.

It will be seen that the sliding bed section
30 12 has a shiftable movement relatively to the main bed section 10, and the sliding tray section 23 has a shiftable movement relatively to the sliding section 12, and upon shifting the tray or receptacle 23 to its open
35 position, the outer side thereof will be supported by the legs 24. The receptacle 23 is provided with a suitable handle 25 which facilitates the manipulation of the same. The bed as illustrated in Figures 1 and 5, is provided
40 with a stuffed mattress 26 of suitable width to cover the bed sections when opened to form a double bed.

Thus it will be seen that by virtue of the present construction wherein the receptacle
45 or tray is supported between the spacing bars and the spring mattress at a substantial distance from the floor, convenient and ready access to the tray is permitted. Furthermore by supporting the receptacle upon the
50 side and end bars of the bed section the same may be applied to any commercial day bed or couch bed without necessitating any material or expensive modification or change in construction.

55 As illustrated in Figures 6 to 8 inclusive, I have provided the sliding couch bed with a pair of end tray sections or drawers, as well as a tray or drawer openable at the side of the sliding bed section and supported by the
60 side and end bars thereof. In the present instance, each drawer or tray 30, having legs 31, is adapted to be supported upon the horizontal flanges of the angle bars 32, forming side spacing bars for the main bed section 10, and upon the end bars 33, also con-

nected to the legs thereof. These side and end bars are located a suitable distance below the corresponding supporting bars for the receptacle 23, and hence the receptacles or drawers 30 may slide freely thereunder. The
70 construction and method of operation of the end drawers or trays 30 are substantially the same as hereinbefore described in connection with the sliding section 23.

Although I have described my invention
75 in its preferred form, it is to be understood that I do not limit myself to the construction herein shown and described, except in so far as defined in the claims and embraced within the scope thereof. 80

I claim as my invention:

1. As an article of manufacture, a bed comprising a pair of bed sections slidable one relatively to the other and each comprising a spring fabric and side bars, and
85 a receptacle carried by one of said sliding sections and shiftable relatively thereto between the side bars and fabric, said receptacle being shiftable to permit access thereto when the bed is open, and one of said bed
90 sections and the receptacle being supported by the other bed section.

2. As an article of manufacture, a bed comprising a pair of bed sections slidable one relatively to the other and each com-
95 prising a spring fabric and side bars, and a receptacle carried by said sliding section and shiftable relatively thereto between the side bars and fabric, said receptacle being accessible in all positions of the sliding section, and said sliding section and receptacle
100 being supported for shiftable movement between the side bars and fabric of the companion section.

3. As an article of manufacture, a bed
105 structure comprising a main bed section and a sliding bed section comprising each a spring fabric and side bars, and a sliding compartment section shiftable between the side bars and fabric of said sliding section, said sliding bed section and compartment
110 section being both supported by the main section for shiftable movement between the side bars and fabric thereof, and said compartment section being shiftable when the
115 bed is open to permit access thereto.

4. A bed structure comprising a pair of bed sections, one slidable relatively to the other and one adapted in closed position of the bed to be housed beneath the fabric of
120 the other, each of said sections having a compartment located one above the other when the bed is closed.

5. A bed structure comprising a pair of bed sections, one slidable relatively to
125 the other and one adapted in closed position of the bed to be housed beneath the fabric of the other, each of said sections having a compartment located one above the other when the bed is closed, both of said
130

compartments being accessible when the bed is closed and also when the bed is opened.

6. A bed structure comprising a pair of bed sections, one slidable relatively to the other and one adapted in closed position of the bed to be housed beneath the fabric of the other, one of said sections having a compartment thereunder and the other having a pair of oppositely slidable compartments, certain of said compartments being superimposed when the bed is closed.

7. A convertible bed structure comprising a pair of spring mattress sections, each thereof comprising a permanently stretched spring fabric supporting means and lengthwise extending side bars, the spring fabric of one section being shiftable between the side bar and spring fabric of its companion section, and a shiftable receptacle supported by one of said sections and shiftable relatively thereto when the bed is open to a partially self-supporting position.

8. As an article of manufacture a bed comprising a main mattress section, a sliding section shiftable relatively thereto, supporting legs therefor, side and end bars connected to the same, a receptacle shiftable relatively to said sliding section and supported by a side bar and an end bar between the same and said sliding section, said receptacle having a pair of depending members adapted to abut against one of said last bars thereby to limit the movement of the receptacle relatively to said sliding section.

9. As an article of manufacture, a bed comprising a main mattress section, a sliding section shiftable relatively thereto, supporting legs for said sections, tie bars for the main section, and an end drawer shiftable relatively to said main section and supported between the same and the tie bars.

10. As an article of manufacture, a bed comprising a main mattress section, a sliding section shiftable relatively thereto, supporting legs therefor, spacing bars connected to said legs, a receptacle shiftable relatively

to said sliding section, and supported by certain of said spacing bars between the same and the sliding section, and a second receptacle supported by certain bars between the same and the main section.

11. As an article of manufacture, a bed comprising a main mattress section, a sliding section shiftable relatively thereto, supporting legs therefor, side and end bars connected to the same, a receptacle shiftable relatively to said sliding section and supported by a side bar and an end bar between the same and the sliding section, and a second receptacle shiftable relatively to said main section in the direction of its length and supported by a side bar and an end bar between the same and the main section.

12. As an article of manufacture, a bed comprising a main mattress section, a sliding section shiftable relatively thereto, supporting legs therefor, spacing bars connected to said legs, a receptacle shiftable relatively to said sliding section, and supported by certain of said spacing bars between the same and the sliding section, and a second receptacle supported by certain bars between the same and the main section and below said first receptacle, said receptacles being shiftable substantially at right angles to each other.

13. A bed structure comprising a plurality of bed sections one shiftable relatively to another, and one adapted in closed position to be housed beneath the fabric of another, said bed structure in closed position having a pair of superimposed compartments.

14. A bed structure comprising a plurality of bed sections, one slidable relatively to another and one adapted in closed position to be housed beneath the fabric of another, said bed structure in closed position having a pair of superimposed compartments, one thereof shiftable with a section and one shiftable independently thereof.

Signed at Chicago, Illinois, this 12th day of May, 1921.

AUGUST J. KREUZKAMP.