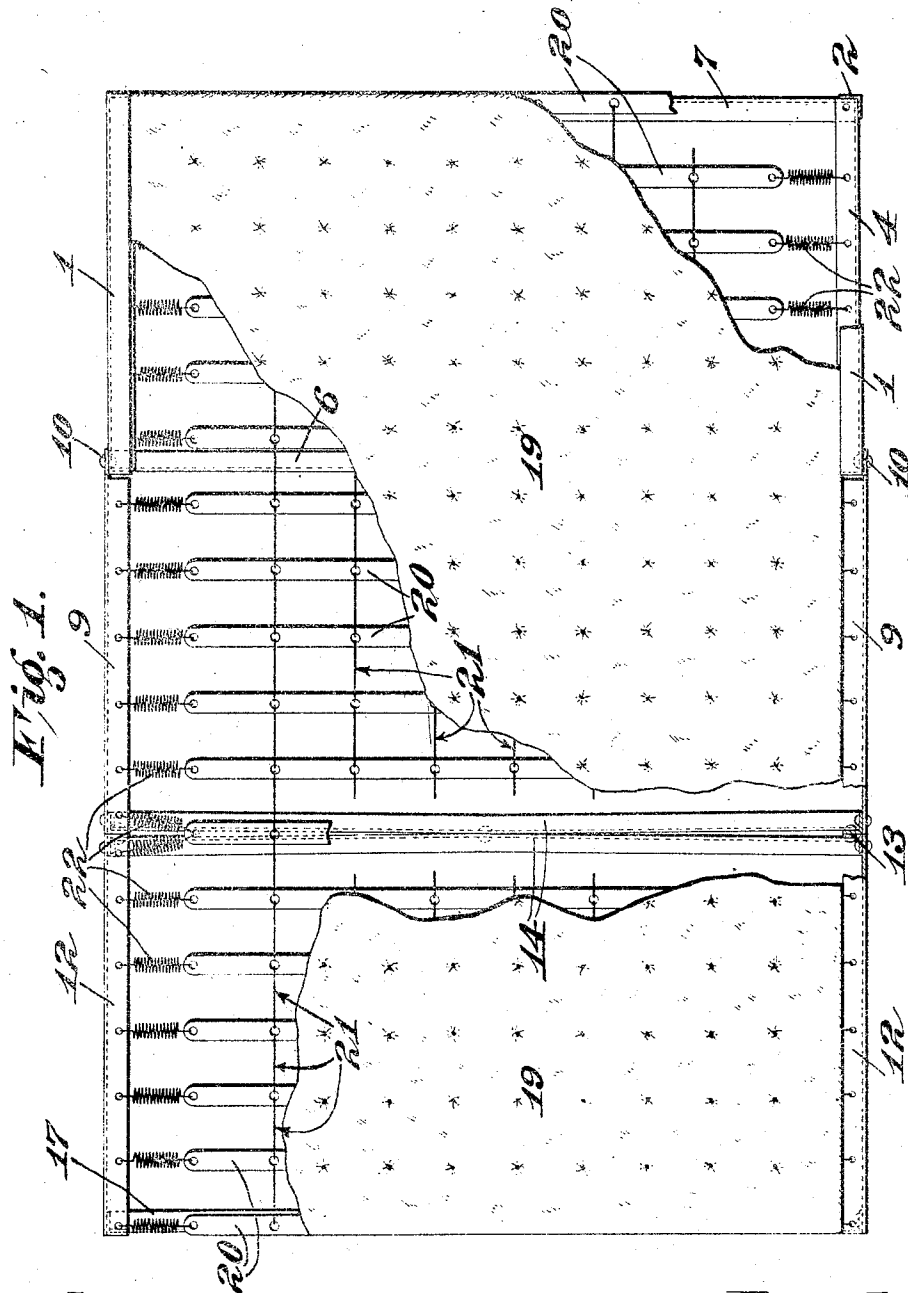


R. COOPERSMITH.
SOFA BEDSTEAD.
APPLICATION FILED OCT. 7, 1910.

1,061,986.

Patented May 20, 1913.

3 SHEETS—SHEET 1.



Witnesses:

Edgar T. Farmer.

G. A. Pennington

Inventor:

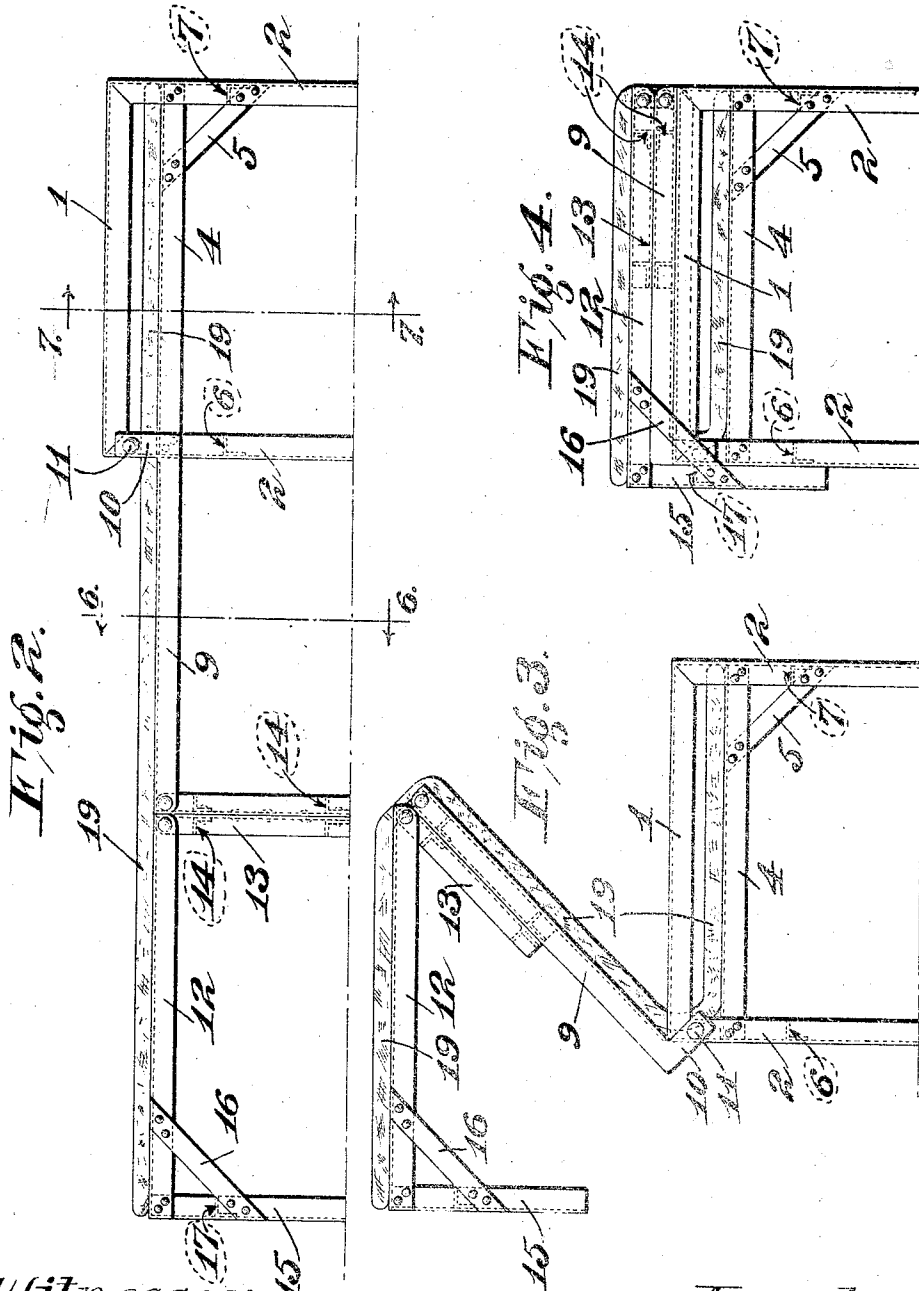
Rudolph Coopsmith,
By [Signature], Attys.

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3 SHEETS—SHEET 3.

Fig. 5.

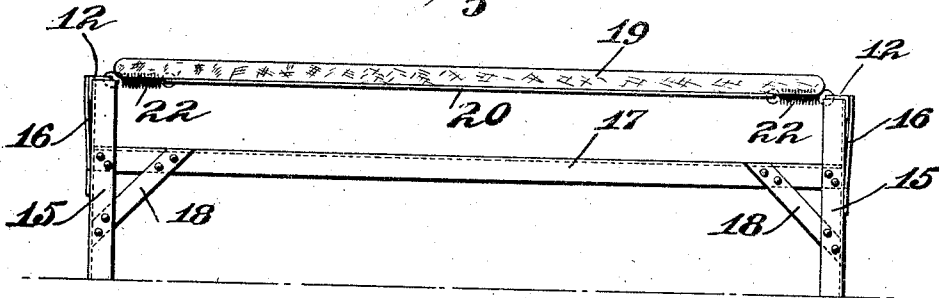


Fig. 6.

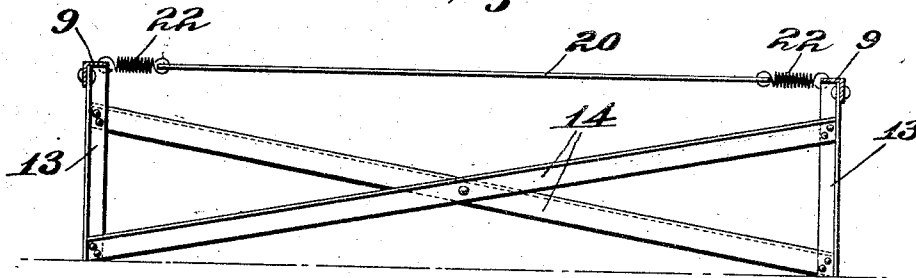
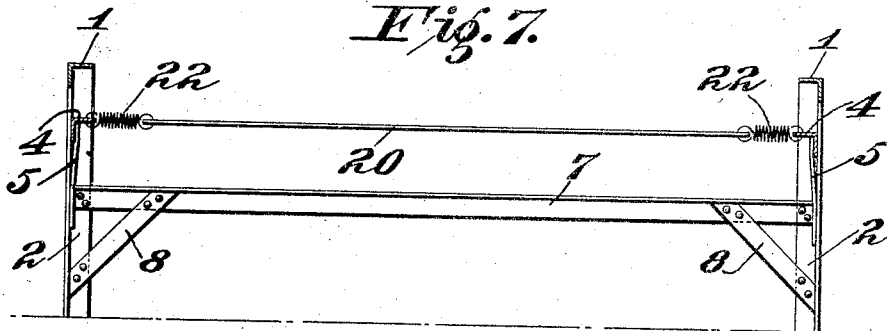


Fig. 7.



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UNITED STATES PATENT OFFICE.

RUDOLPH COOPERSMITH, OF ST. LOUIS, MISSOURI.

SOFA-BEDSTEAD.

1,061,986.

Specification of Letters Patent.

Patented May 20, 1913.

Application filed October 7, 1910. Serial No. 585,793.

To all whom it may concern:

Be it known that I, RUDOLPH COOPERSMITH, a citizen of the United States, and a resident of the city of St. Louis and State of Missouri, have invented a new and useful Improvement in Sofa-Bedsteads, of which the following is a specification.

This invention relates to sofa-bedsteads, and has for its principal objects to produce an article of furniture which can be compactly folded to provide a comfortable lounge or sofa, and also converted into a comfortable bed without changing the position of the main frame or body; to produce a frame structure which is light and rigid; and to attain certain advantages hereinafter more fully appearing.

The invention consists in the parts and in the arrangements and combinations of parts hereinafter described and claimed.

In the accompanying drawings which form part of this specification and wherein like symbols refer to like parts wherever they occur, Figure 1 is a top plan view of the device opened as a bed, portions of the mattress or pad being broken away to show the frame structure and the springs; Fig. 2 is a side elevation of the device opened as a bed; Fig. 3 is a side elevation showing the device partially opened; Fig. 4 is a side view showing the device folded as a lounge or sofa; Fig. 5 is an elevation of the foot end of the device opened as a bed; Fig. 6 is a transverse section on the line 6-6 of Fig. 2; and Fig. 7 is a transverse section on the line 7-7 of Fig. 2.

The device comprises a main or body frame and two supplemental frames or sections which are hinged together and to the main frame so as to be folded compactly on top of said main frame to provide a lounge or sofa, and being also arranged and adapted to be extended to provide a bed.

The main frame or body comprises side frames 1 constructed preferably of metal of angle iron section. The respective side frames comprise a member having a horizontal portion and downturned end portions 2 which constitute the supporting legs. Connected across the downturned end portions 2 of each side frame, below the horizontal portion 1 and in proximity thereto, is a horizontal member 4 of angle iron section; and this member 4 is preferably connected by a diagonal brace 5 to the rear leg 2. The front and rear legs 2 are connected by

transverse members 6, 7, respectively, and are braced by diagonal members 8, as shown in Fig. 7.

The intermediate supplemental frame 9 comprises side rails of angle iron section. One end portion 10 of each of the side rails 9, has the horizontal flange or leg of the angle cut away and turned at right angles and pivoted to the upper portion of the front leg 2 of the main frame at a point 11 between the horizontal portions 1 and 4 of the main frame, so that when said frame 9 is swung into open position, as shown in Fig. 2, the horizontal flange of its side rail 9 will be in the same plane as the horizontal flange of the member 4 of the main frame, and when folded on top of the main frame, as shown in Fig. 4, the horizontal flange of the side rail 9 will rest on the horizontal flange of the horizontal portion 1 of the main frame.

The meeting ends of the vertical flanges of the side rails 9 of the intermediate frame and side rails 12 of the outer supplemental frame are pivotally attached to the outer sides of the supporting legs 13 so as to abut endwise in open position, the ends of the legs abutting against the horizontal flanges of the rails 9 and 12, as shown more clearly in Fig. 2. Preferably, the supporting legs are T-shape in transverse section, and may be either an integral T-section or composed of two angle members riveted together as shown; and said legs 13 are connected by crossed tie members 14 as shown in Fig. 6. However, said legs 13 may be connected by a horizontal connecting member and diagonal corner braces as provided on the main or body frame. The outer end portion of the outer supplemental frame 12 is supported on legs 15 which are connected by diagonal braces 16 to the side rails 12. The legs 15 are also connected by a transverse horizontal member 17 and diagonal braces 18 in a manner similar to the main or body frame construction. The opposite upper corners of the legs 13 are rounded, as are also the lower meeting corners of the side rails 9 and 12. By this arrangement, a rule joint is provided and the legs 13 automatically straighten into a vertical position when the device is opened as a bed, as shown in Fig. 2; and said legs readily fold between the two supplemental sections when the latter are folded back on the main or body section.

The mattress or pad 19 is supported on the

spring bottom comprising transverse slats 20 which are perforated and connected by longitudinal rows of links 21. The opposite ends of the respective slats are connected by springs 22 to the side rails of the main and supplemental frame sections.

By the construction and arrangement shown, the frame structure is light and rigid, and the device may be readily folded and unfolded without changing the position of the main or body frame; and when closed as a lounge or sofa, it may be covered with a suitable loose covering.

Obviously, the construction admits of considerable modification without departing from my invention. Therefore, I do not wish to be limited to the specific construction and arrangement shown.

What I claim is:

1. A sofa-bedstead including a base section having side frames comprising leg members, fixed upper and lower horizontal rails and transverse connecting members; an outer folding section comprising leg members, transverse connecting members and side rails; a folding supporting frame comprising leg members to which the end portions of the side rails of said outer section are pivoted, and transverse connecting members; and an intermediate folding section comprising side rails pivoted at one end to the respective leg members of said supporting frame so as to abut against the ends of the side rails of said outer section, the ends of said leg members bearing against the side rails of both of said two folding sections

when in open position, the side rails of said intermediate section having their opposite ends extended at an angle and pivoted to the side frames of said base section between the upper and lower horizontal rails thereof so that the side rails of the two folding sections are supported the one upon the other throughout on the upper horizontal side rails of said base section when in closed position and lie in the same horizontal plane with the lower side rails of said base section when in open position.

2. In a sofa-bedstead, a pivotally supported reversible folding section having side rails, a cooperating folding section having side rails, and a transverse folding supporting frame having leg members at its ends, the meeting end portions of the side rails of said folding sections being pivoted to the leg members of said supporting frame on opposite sides of the middle thereof so that the ends of said rails abut and the ends of said leg members abut against the respective rails of both of said sections when in open position, whereby said supporting frame moves to supporting position as said cooperating folding sections are moved to open position and folds between said sections when they are moved to closed position.

Signed at St. Louis, Missouri, this 22nd day of September, 1910.

RUDOLPH COOPERSMITH.

Witnesses:

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A. H. CROISSANT.