

(No Model.)

2 Sheets—Sheet 1.

W. EDELER.
ADJUSTABLE COUCH.

No. 590,096.

Patented Sept. 14, 1897.

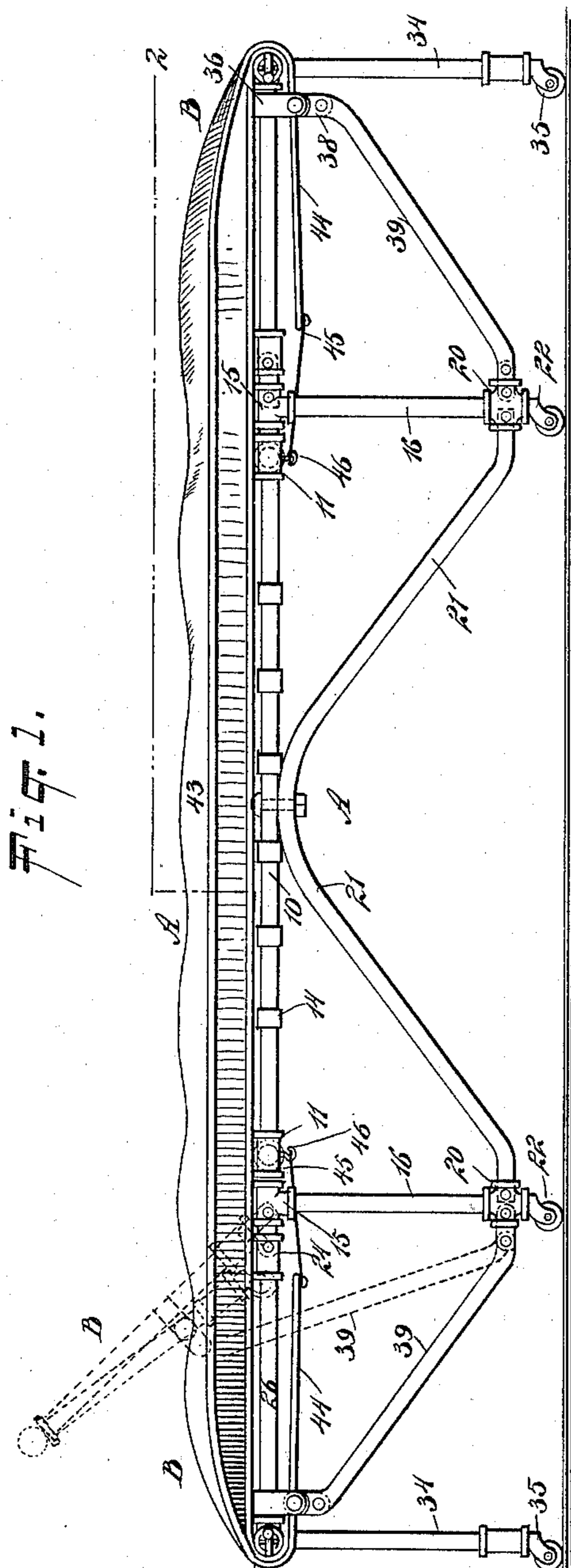


Fig. 1.

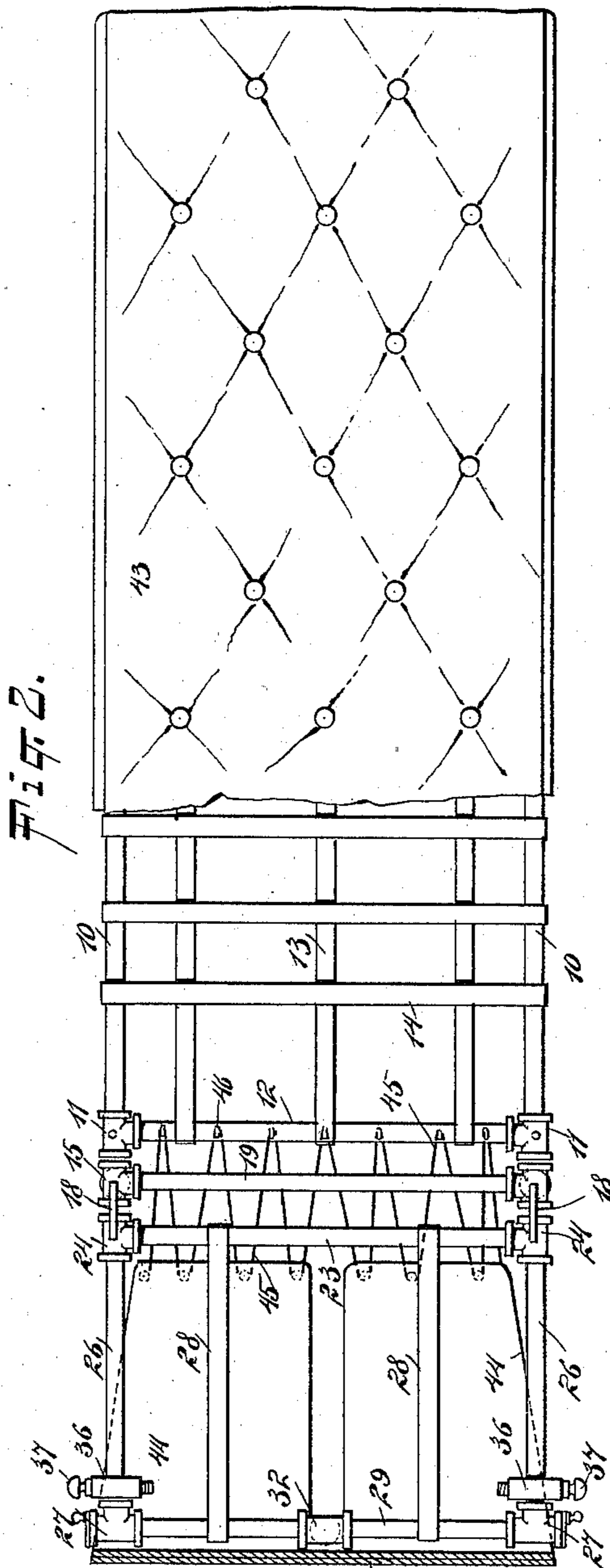


Fig. 2.

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Fig. 3.

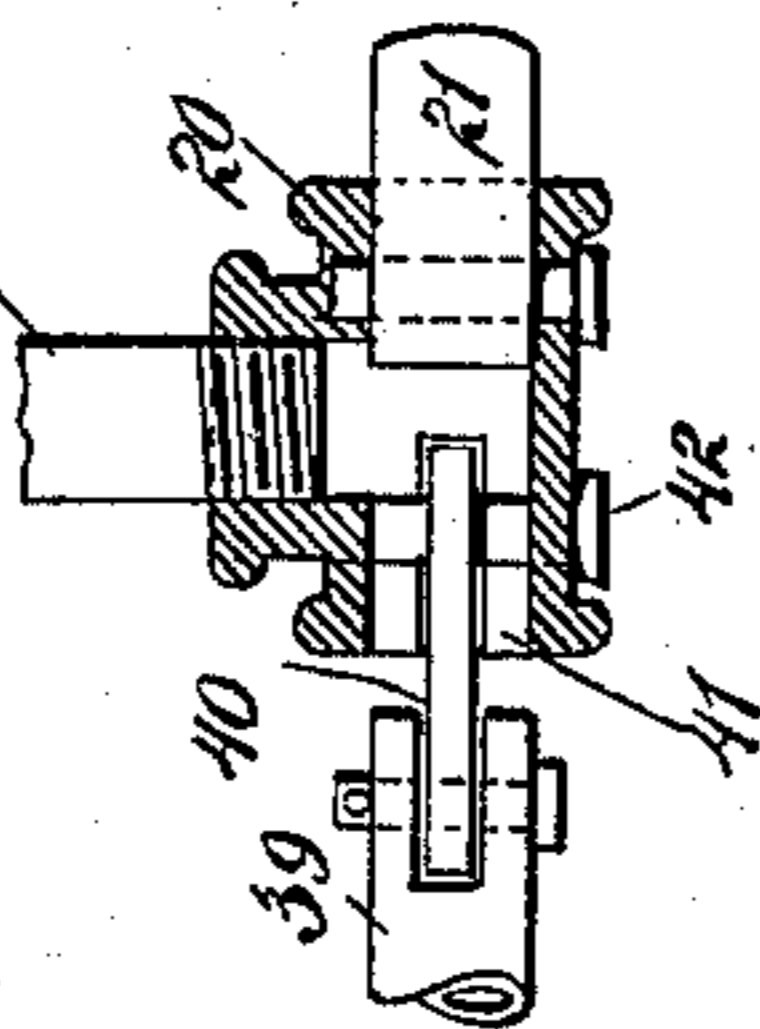
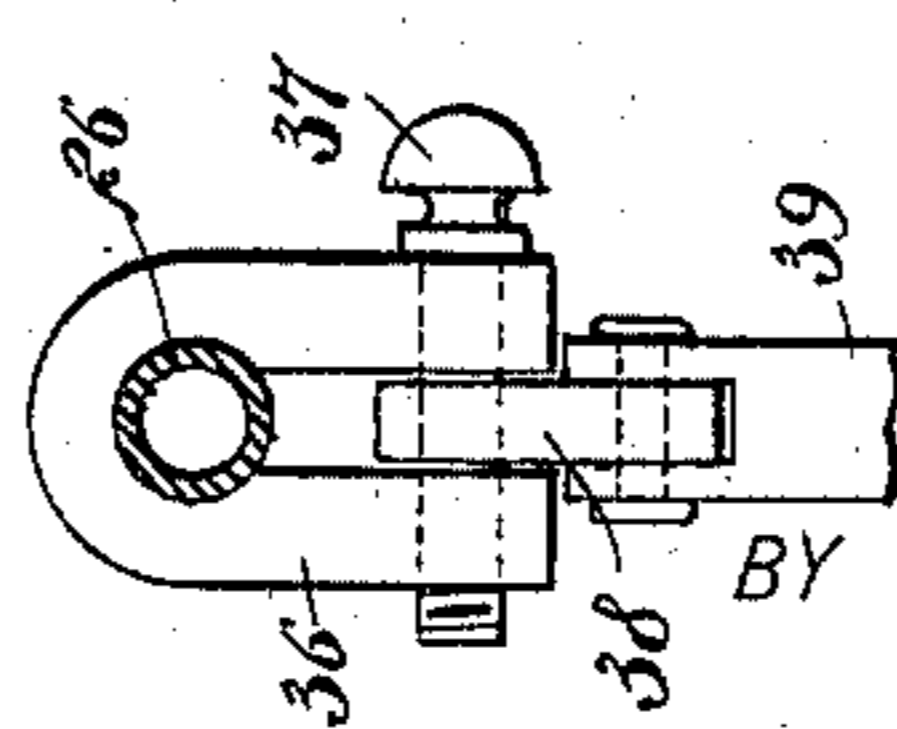


Fig. 3.



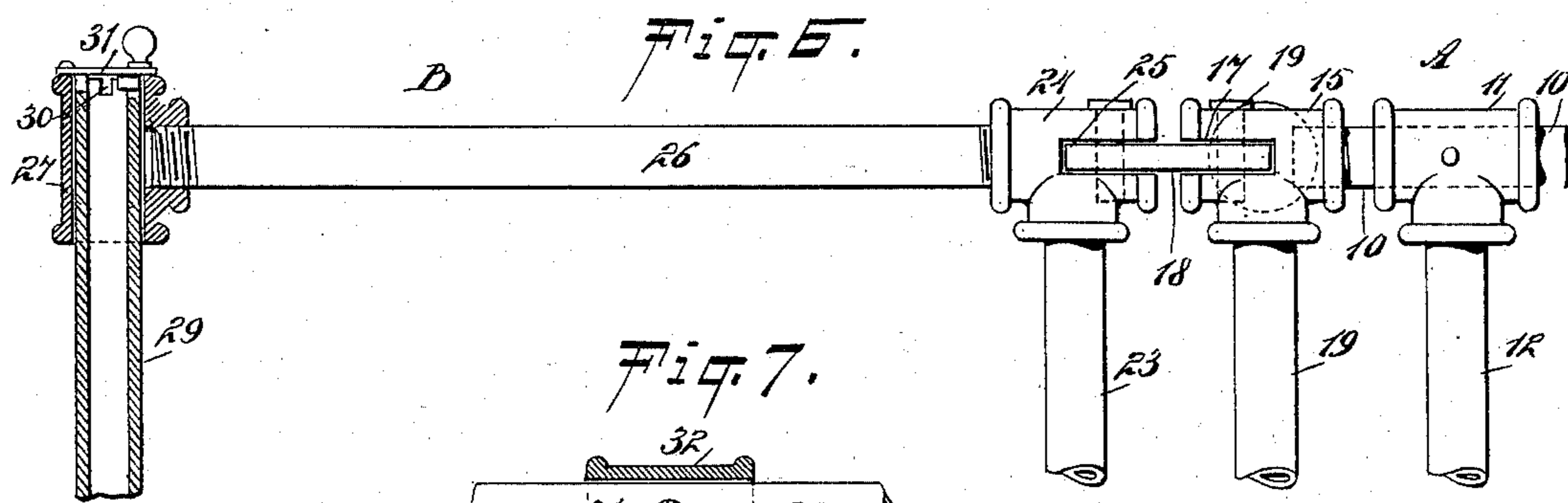
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2 Sheets—Sheet 2.

Patented Sept. 14, 1897.



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UNITED STATES PATENT OFFICE.

WILLIAM EDELER, OF BROOKLYN, NEW YORK.

ADJUSTABLE COUCH.

SPECIFICATION forming part of Letters Patent No. 590,096, dated September 14, 1897.

Application filed May 19, 1897. Serial No. 637,214. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM EDELER, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Adjustable Couch, of which the following is a full, clear, and exact description.

The object of the invention is to provide a couch which may be constructed almost entirely of tubing and fittings, and, furthermore, to provide said couch with a body and end sections capable of being adjusted at any desired angle to the body or in the same plane therewith.

Another object of the invention is to provide a support for the adjustable end portions of the couch when the same are brought in the plane with the body and to construct the entire couch in an exceedingly simple, durable, and economic manner and so that a spring mattress will not be needed.

Another object of the invention is to provide a couch upon which a mattress may be secured in an expeditious and convenient manner, the couch being capable of use as a sofa, a lounge with a head-rest either at the right or at the left, or as a bed, as occasion may demand.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of the improved couch, illustrating it in position for use as a bed. Fig. 2 is a plan view of the couch, the mattress being in section, the section being taken substantially on the line 2 2 of Fig. 1. Fig. 3 is a horizontal section on the line 3 3 of Fig. 5. Fig. 4 is a vertical section taken substantially on the line 4 4 of Fig. 5. Fig. 5 is an enlarged side elevation of one end of the couch, various parts thereof being shown in section. Fig. 6 is a plan view of that portion of the couch shown in Fig. 5, with portions in section. Fig. 7 is a view illustrating the manner in which the supporting-leg for an end of the couch is attached thereto, and Fig. 8 is an end view of the end rail of an end

portion of the couch and the fittings or support in which it is placed.

The body A of the couch consists of side rods or tubes 10, and upon these rods or tubes fittings, preferably of a T shape, are secured by a pin, a wedge, or otherwise near the ends of the side pieces, and the fittings 11 at each end of the body are connected by a cross-bar 12. Slats 13 are secured to these cross-bars 12, and transverse slats 14 are attached to the side bars 10. The extremities of the side bars or tubes 10 are screwed into fittings 15, preferably of a T shape, or the equivalents thereof, the fittings 15 having screwed into their lower members legs 16, or the legs may be otherwise attached to the fittings. Each fitting 15, provided for the body, has a slot 17 made in its upper surface at its rear portion, as shown in Figs. 5 and 6, and in the slotted portion of each fitting or casting one end of a link 18 is pivoted. Cross bars or tubes 19 connect opposing fittings or castings 15, forming practically the end portions of the said body.

At the lower end of each leg or support a T-fitting 20 is also preferably secured, and a brace 21 is connected with the fittings 20 at each side of the body and with the central portion of the side bars of the body, as shown in Fig. 1. Each leg 16 is further preferably provided with a caster 22, attached thereto in any approved manner. The body is furnished with an extension B at each end, adjustably connected with the body. In the construction of each of these extensions T-fittings 24 are preferably employed, which are provided at the upper portions of their inner ends with slots 25, and in these slotted portions of the fittings 24 the outer ends of the aforesaid links 18 are pivoted, forming a hinge connection between the extensions of the body and the body itself. Cross-bars 23 connect the fittings 24 of each body extension, and in the said fittings 24 the side bars 26 of the extensions are screwed or otherwise fastened, being at their outer ends secured in fittings 27, preferably also of T shape, as shown in Figs. 2 and 6.

Slats 28 are loosely mounted on the cross-bars 23 and upon an outer cross-bar 29 of each extension, forming the end rails of the same.

The end rails 29, which may be and usually are tubular, are held to turn in the fittings 27, and are provided at their ends with two or more, usually four, notches 30, which are capable of receiving lugs from a latch 31, attached to the outer ends of the fittings 27, as shown in Fig. 6, the notched portions of the rods or bars 29 being shown in Fig. 8. Each extension of the body is provided with a supporting-leg 34. These supporting-legs are attached usually to T-fittings 32, which are mounted upon the rotatable bars or rods 29 at their centers, being rigidly secured thereto by pins 33 or their equivalents, as shown in Fig. 7. Each of the supporting-legs 34 for the extensions of the body is preferably provided with a caster 35.

A strap 36 (shown in Fig. 4) is held to slide upon the side bar or rod 26 of each extension of the body. This strap is connected by a pin 37 with a link 38, and the link 38 of this strap is in its turn pivotally attached to a supporting-arm 39. These supporting-arms, as shown in Fig. 3, are bifurcated at their lower ends to receive each a link 40, and these links 40 are made to enter the slotted portions 41 of the fittings 20, which are secured on the legs 16. The supporting-arms 39 are at an angle to the straps 36, as shown in Fig. 1, so that when an end section of the couch is elevated the supporting-arms 39 will be carried upward a corresponding distance and by frictional contact will hold the end sections wherever they may be adjusted.

The legs 34 for the end sections are adapted to support said end sections when they are in the same plane with the body, as shown in Fig. 1. Consequently when the end sections are elevated at a right angle to the body or at an angle of lesser degree it is necessary that the supporting-legs 34 for the end sections of the body should be carried out of the way. Consequently after the end section has been adjusted the latch 31 for that end section is disconnected from the notches 30, into which it may have been entered, and the leg of that section is carried inward to the position shown in Fig. 5 or beneath the said section, and when suitably disposed of the supporting-leg is held in its adjusted position by permitting a latch 31 to enter the nearest notch 30 in the revolving rod or bar 29, forming the end of the section. The links 40 entering the castings or fittings 20 are pivoted by means of pins 42, as shown in Fig. 3.

A mattress or other upholstery 43 may be placed upon the body, being made of sufficient length to extend to and beyond the outer ends of the end extensions of the body, and to return beneath said end sections, as shown at 44 in Figs. 1 and 2, portions of the upholstery being connected by lacings 45 or the equivalent thereof, with hooks 46 or like devices attached to the cross-bars 12 of the body of the couch.

The links 18, serving as hinges connecting the side sections with the body, and the links

40, hinging the supporting-arms 39 to the legs 16, are curved at the upper edges of their end portions, but are straight at the lower edges of the same portions, whereby the said end sections and arms are free to move upward, but when brought downward to their lowest position the said links will prevent further downward movement of these parts, serving in a great measure to sustain them in the desired position.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a couch, the combination, with a body and its supports and sections pivotally attached to the body, of supports for the end sections, having sliding and frictional engagement therewith, and pivotally attached to the supports for the body, and auxiliary supports for the end sections, capable of being carried at an angle thereto or folded beneath said end sections.

2. The combination, with the body of a couch, sections pivotally attached to the ends of the same, and braces pivoted to the body and having frictional sliding engagement with the said end sections, of supports for the end sections, arranged to be carried at an angle thereto, or folded up beneath said sections, and locking devices whereby the supports may be held in adjusted position, as specified.

3. The combination, with the body of a couch and extension-sections pivoted thereto, of braces connected with the body and arranged to hold the extension-sections in various positions, and supports for the extension-sections, auxiliary to the braces, the said supports being arranged to occupy a position close to and beneath the extension-sections, or at a right angle thereto.

4. In a couch, the combination, with a body and a yielding bed therefor, of extension-sections pivoted to the end portions of the said body, braces pivoted to the supports for the body, and having sliding frictional engagement with the extensions at the side portions of the same, an end member of each extension being held to revolve, a support attached to the revolving member of each end or extension section, and a latch secured to a support for each of the revolving members of the extension-sections, the said members being provided with keepers for the reception of the said latches.

5. The combination with the body portion of a couch, of an end section pivoted thereto and having side bars, braces pivoted to the lower part of the body portion and extending upward at an angle, and clutches mounted to slide upon the side bars of the pivoted end section and pivoted to the upper ends of the braces, substantially as described.

6. The combination with the body portion of a couch, of an end section pivoted thereto and having side bars, braces pivoted to the lower part of the body portion and extending outward at an angle, and clutches mounted

to slide upon the side bars of the pivoted end sections consisting of yokes or rings embracing the side bars to slide loosely thereon and pivoted at one side to the upper ends of the
5 braces, substantially as described.

7. The combination with a couch having folding sections pivoted thereto, of a cross-bar pivoted to the outer edge thereof and having its ends slotted, a movable locking mem-

ber adapted to engage said slots to lock the bar in different positions, and an auxiliary support carried by said cross-bar, substantially as described.

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Witnesses:

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