

No. 819,886.

PATENTED MAY 8, 1906.

T. J. HUME.
CRIB OR BED.

APPLICATION FILED MAR. 23, 1905.

2 SHEETS—SHEET 1.

Fig. 1.

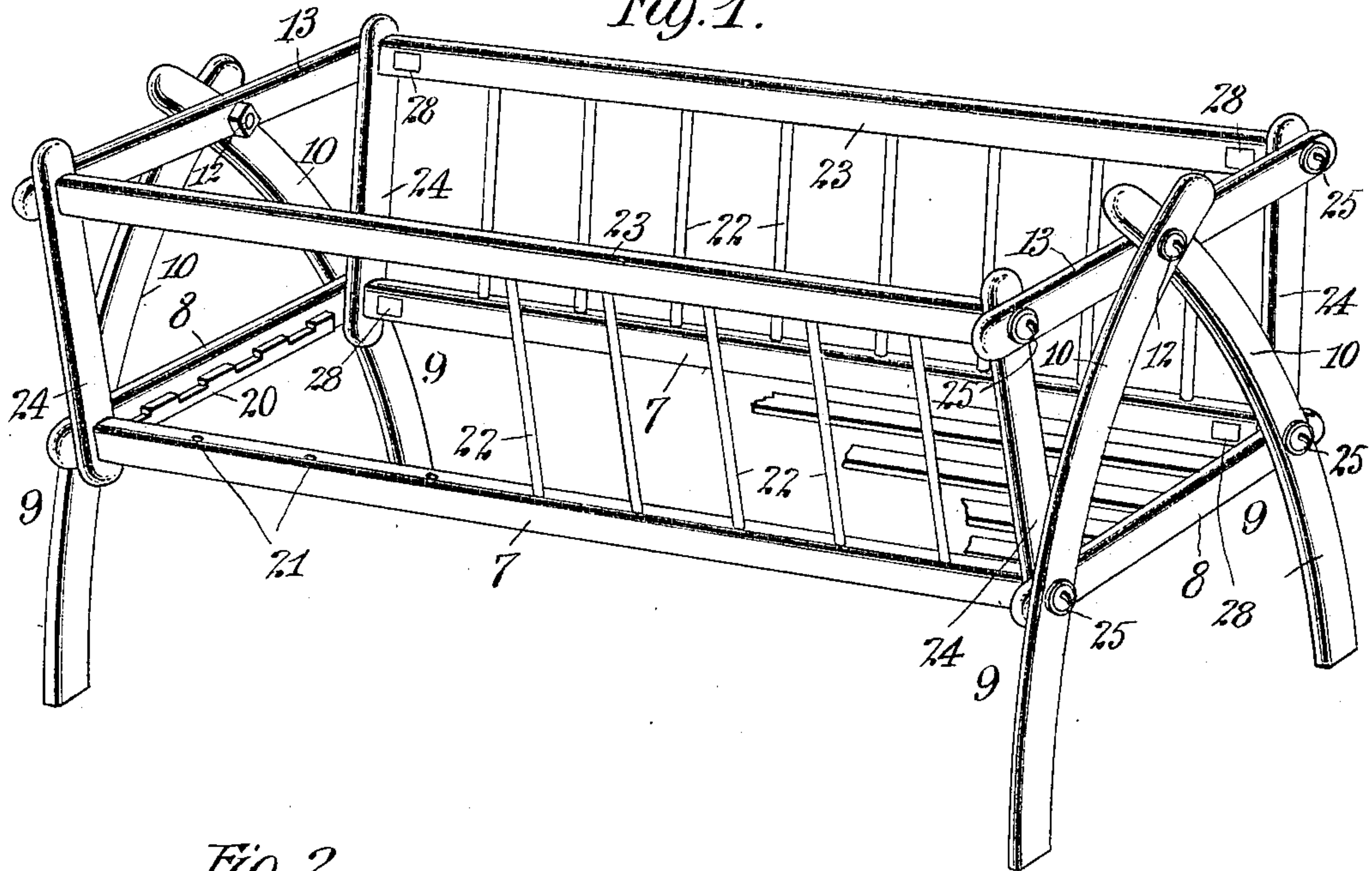


Fig. 2.

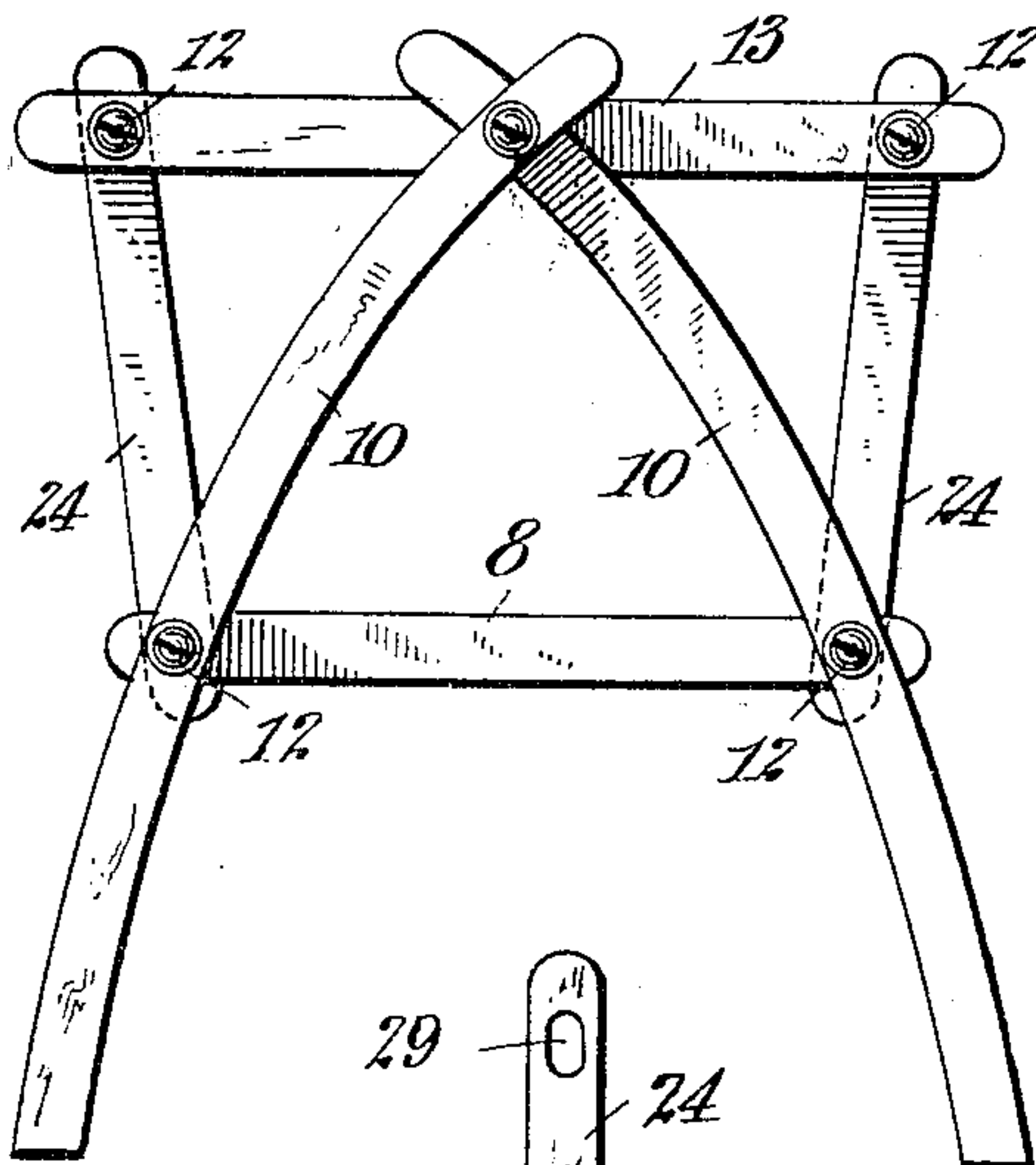


Fig. 3.

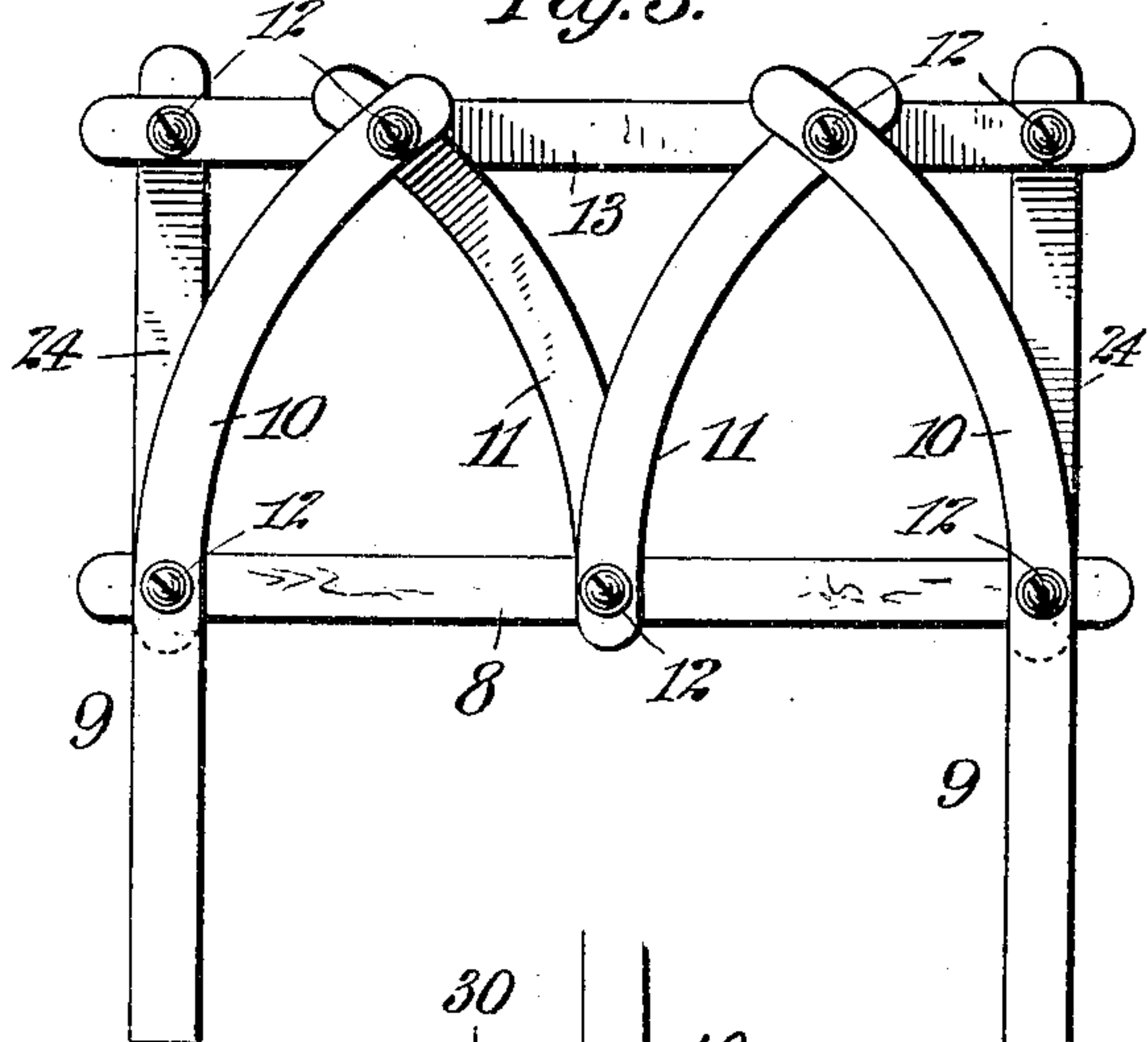
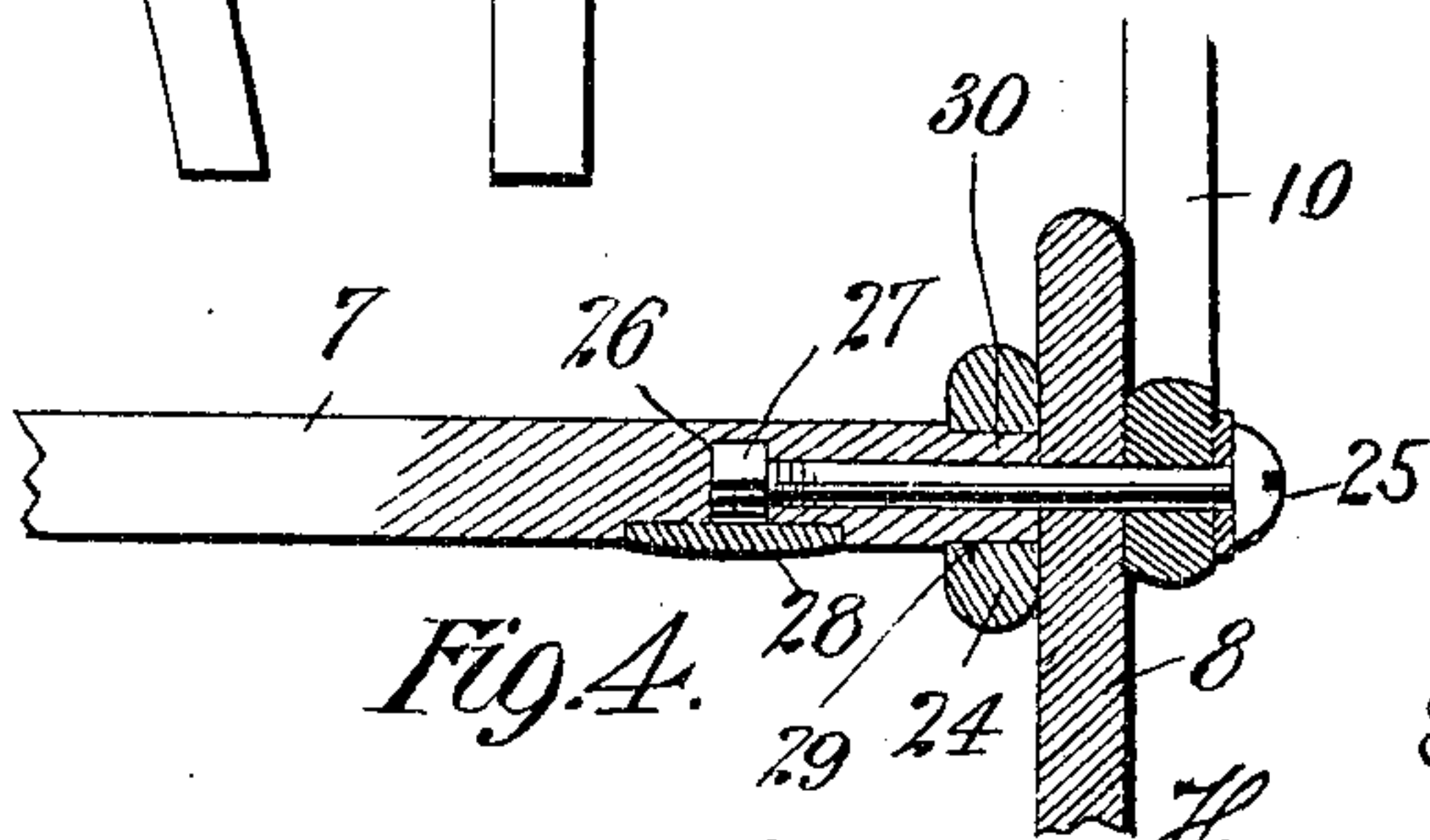


Fig. 5.

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Fig. 4.



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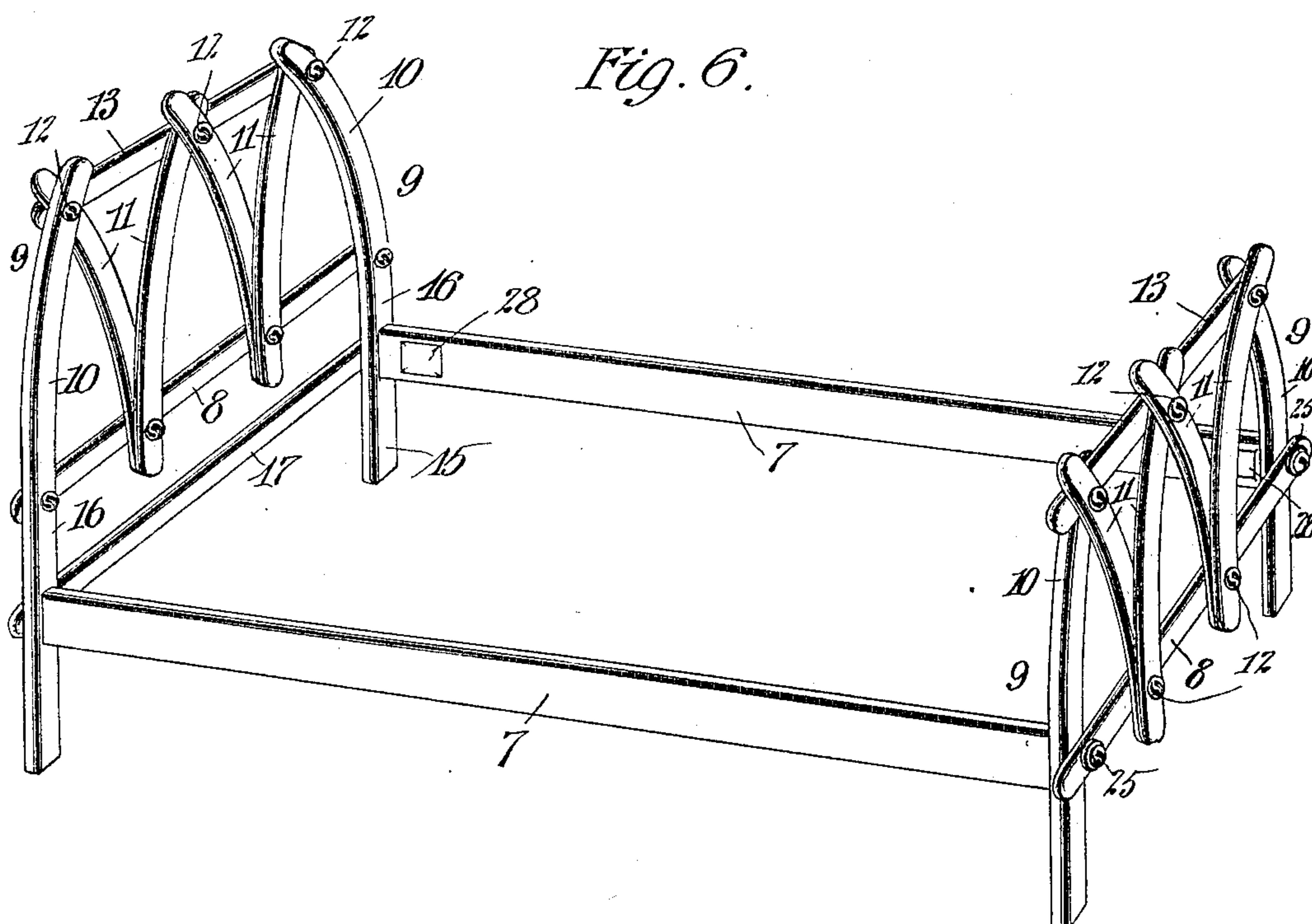
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

THOMAS J. HUME, OF NEW ROCHELLE, NEW YORK.

CRIB OR BED.

No. 819,886.

Specification of Letters Patent.

Patented May 8, 1906.

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To all whom it may concern:

Be it known that I, THOMAS J. HUME, a citizen of the United States, residing at New Rochelle, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Cribs or Beds, of which the following is a full, clear, and exact description.

This invention relates to and has for an object to provide improved knockdown furniture, and is particularly adapted for use in bedsteads and cribs.

By the employment of my invention it is possible to make a knockdown bedstead, crib, or the like which may be made from sawed wood and the parts packed "flat" and shipped from the place of manufacture or from the place of sale and occupying comparatively small space and when arriving at the destination be easily assembled by unskilled persons and with the use of such tools as are readily at hand, and when applied to a crib the same may be readily knocked down and put in a trunk, so that persons traveling with an infant may carry a crib along with their luggage without much inconvenience.

In the drawings accompanying and forming a part of this specification, Figure 1 is a perspective view, partly broken away, of a crib embodying a form of my invention. Fig. 2 is an end view of the same. Fig. 3 is an end view showing a somewhat different arrangement of trussing the end board. Fig. 4 is a horizontal section of one of the end rails and side rails, showing a means of securing the parts together. Fig. 5 is a detail of one of the uprights of the crib structure; and Fig. 6 is a perspective view of a bedstead, illustrating an embodiment of my invention.

The bedstead or crib is illustrated as comprising siderails 7 and end rails 8, fastened together and also fastened to corner-posts 9. The corner-posts at each end are shown as curving inwardly toward each other and as trussed together. In the embodiment shown in Fig. 1 the end and side rails are supported by the posts at a position midward of their ends, and owing to the shortness of the end rails, or, in other words, the narrowness of the crib, the end posts in their curvature toward each other are brought to a point where they meet, so that the end portions of the bed, otherwise known as the "head" and the "foot," constitute truss structures—that is, portions 10 of the posts or the portion above the end and side rails constitute, with the end

rail, a truss made up of the members 10, 10, and 8. This is more clearly seen in Fig. 2. In Fig. 3 there are interposed between the portions 10 of the end posts a truss consisting of members 11, two of such members being shown and fastened together and to the end rail 8 by means of a suitable bolt 12 and fastened to the respective upper ends of the end posts by means of suitable bolts, also designated by 12, such bolts also securing the points of contact to an upper end rail 13. It will thus be seen that the truss constituting the head or foot of the bed or crib may be considered as embodying the portions 10 10 and 11 11 and 8. This will give a substantially rigid truss formation, which may be further stiffened by the incorporation of the upper end rail 13, in which aspect we then have the head or foot of the bed constituting a truss embodying the members 13, 10, 10, 11, 11, and 8. In Fig. 6, however, the head and foot portions are carried still further and two additional members 11 11 are added, so that the footboard or the headboard may be regarded as constituting the upper portions 10 of the corner-posts, the four truss members 11, the member or rail 8, and another truss organization can be developed by including the beforementioned parts and the upper end rail 13. In the last-mentioned embodiment of the invention it will be observed that the upper portions 10 of the end rails are curved to produce the inward bending and that this will bring the corners of such end portions out of the way of persons passing around the corners of the bedstead. The members 11 may be given a like curvature to the portions 10, so that uniformity will exist and a pleasing structure be presented.

Although it is not essential, yet we may consider that Figs. 1 and 2 illustrate a quarter-size bed, Fig. 3 a half-size or single bed, Fig. 6 a three-quarter-size bed, the trussing running 1, 2, and 3 indicating the quarters, so that if we had a full-size bed there would be an additional truss member to that illustrated in Fig. 6. This, however, is merely detail for the manufacture, but is merely mentioned in bringing out the fact that the present drawings are illustrative of my invention rather than binding as to detail. In a bedstead it is according to the present practice found desirable to make the headboard portion higher than the footboard portion, and in Fig. 6 a method of carrying out this practice is illustrated, wherein between

the portions 10 and the leg portions 15 of the posts there is provided an additional portion 16 to give an additional height to such head portion, so that the rail 17 will be added in addition to the rail 8, the rail 8 at the foot-board portion entering into the construction which is intimately united with the side rails, and at the headboard the rails 17 will occupy such position, although if the mattress is to be supported by the side rails it does not really matter in what horizontal plane the end rails are located, except for convenience of construction and appearance.

In adapting my invention to a crib the end rails may carry slat-receiving racks 20 and the side rails may be provided with sockets 21 for receiving spindle 22, which will also enter similar sockets in rails 23, fastened to the upper end rails 13, which in a structure having the single-truss formation—that is, where the portions 10 are united directly together—will be supported by uprights or standards 24, secured in the present instance between the ends of the side rails 23 and 7 and the end rails 8, and be secured by the same fastening-bolt 25, which fastening-bolts are illustrated in Fig. 4, a suitable socket 26 being provided in the side rail, in which a nut 27 is located, the socket being closed by a plate 28 after the insertion of the nut. The bolt may then be passed through the connecting structure and find ready access to the nut, when the parts may be screwed together. In Fig. 6 the corner-posts are interposed between the ends of the side rails and the faces of the end rails. In Fig. 1 the uprights 24 are located in such position and the corner-posts are placed outside of the end rails. In either instance the upright between the side rail and the end rail may be mortised at 29 for receiving the tenon 30 of the side rail.

It will be apparent that changes may be made to suit various requirements of practice and that by removing one of the upper side rails 23 and the spindles 22 on that side a settee or knockdown structure will be provided. This and many other details may be employed as occasion may demand.

Having described my invention, I claim—

1. A bedstead comprising a pair of side frames, cross-bars hinged to said frames at their respective ends, and diagonally-arranged posts flexibly secured to said frames and bars whereby a truss structure is produced at the head and foot of the bed.

2. A bedstead comprising a pair of side frames, cross-bars hinged to said side frames at the respective ends of the bed, and a pair of posts at each end of the bed flexibly joined to said side frames and to said cross-bars to form a truss structure therewith.

3. The combination of a pair of end portions, each comprising a pair of posts inclined toward each other at their upper ends, an up-

per cross-bar to which the upper ends of the posts are attached, a lower cross-bar having its ends attached to the posts at their intermediate parts, and an upright bar attached to each end of the upper cross-bar, the lower ends of the upright bars being supported at the connections of the lower cross-bar with the posts, and a rail on each side attached to the said end portions at their intermediate parts.

4. In a device of the character specified, the combination of a pair of end portions, each comprising a pair of posts inclined toward each other at their upper ends, an upper cross-bar to which the upper ends of the posts are attached, a lower cross-bar having its ends attached to the posts midward of their ends, and an upright bar attached to each end of the upper cross-bar, the lower ends of the upright bars being supported at the connections of the lower cross-bar with the posts, and a pair of rails on each side connecting the said end portions and supported at the end connections respectively of the said upright bars.

5. In a device of the character specified, the combination of a pair of end portions each comprising a pair of posts inclined toward each other at their upper portions, an upper cross-bar to which the upper portions of the posts are attached, a lower cross-bar having its ends attached to the posts at their intermediate parts, and an upright bar having its lower end supported at the connection of the lower cross-bar and post and having its upper end attached to said upper cross-bar, a pair of rails on one side connecting the said end portions and supported at the end connections respectively of said upright bars, and a rail on the other side supported at the connection of the posts and lower cross-bars.

6. In a device of the character specified, the combination of a pair of end portions each comprising a pair of posts inclined toward each other at their upper portions, an upper cross-bar to which the upper portions of the posts are attached, a lower cross-bar having its ends attached to the posts at their intermediate parts, and an upright bar having its lower end supported at the connection of the lower cross-bar and post and having its upper end attached to said upper cross-bar, and a pair of rails on each side connecting the said end portions and supported at the end connections respectively of the said upright bars.

7. In a device of the character specified, the combination of a pair of end portions, each comprising a pair of posts inclined toward each other and overlapping at their upper ends, an upper cross-bar attached to the posts at such overlapping ends, a lower cross-bar having its ends attached to the posts at their intermediate parts, and an upright bar attached to each end of the upper cross-bar,

the lower ends of the upright bars being supported at the connections of the lower cross-bar with the posts, and a pair of rails on each side connecting the said end portions and supported at the end connections respectively of the said upright bars.

8. The combination of a pair of end portions, each comprising a pair of posts inclined toward each other at their upper ends and overlapping, a cross-bar attached to such ends by a bolt passing through and securing cross-bar and posts, a lower cross-bar having its ends attached to the posts at their intermediate parts, and an upright bar attached to each end of the upper cross-bar, the lower ends of the upright bars being supported at the connections of the lower cross-bars with the posts, a rail on each side connected with the said end portions at the con-

nection of the post with the ends of the upright and lower cross-bar, said connections being formed by a bolt passing through the post, cross-bar and upright and into a socket in the rail, and a nut in said socket for receiving said bolt, and a rail on each side connected to the said end portions at the connection of the uprights with the upper cross-bars, such connection being formed by a bolt passing through the cross-bar and upright and into a socket in the rail, and a nut in said socket for receiving said bolt.

In witness whereof I subscribe my signature in the presence of two witnesses.

THOMAS J. HUME.

Witnesses:

M. V. NEWTON,
M. J. LEWIS.