

H. A. HAYDEN.
COMBINED BABY WALKER AND CHAIR.
APPLICATION FILED MAY 19, 1908.

989,966.

Patented Apr. 18, 1911.

2 SHEETS—SHEET 1.

Fig. 2.

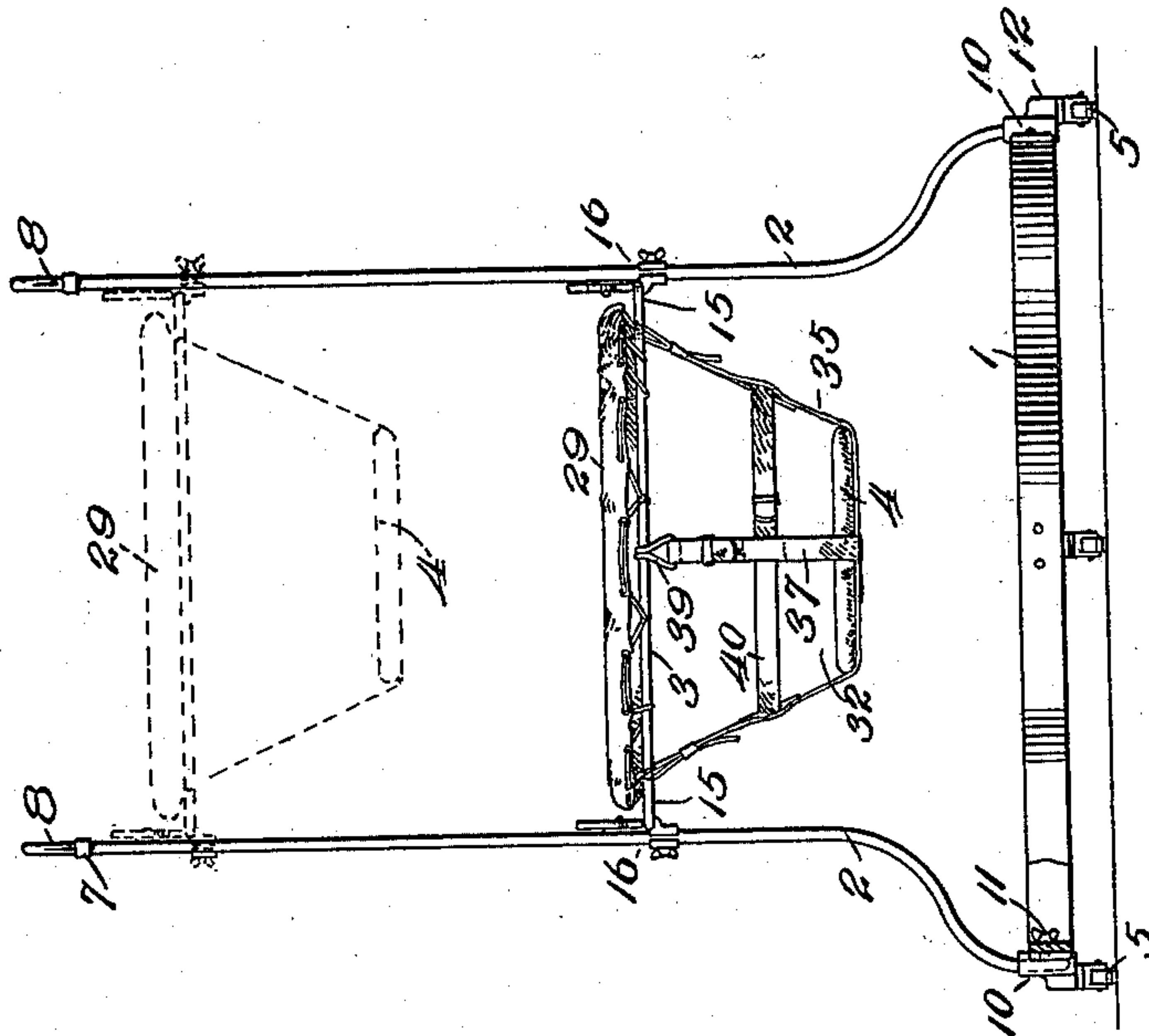
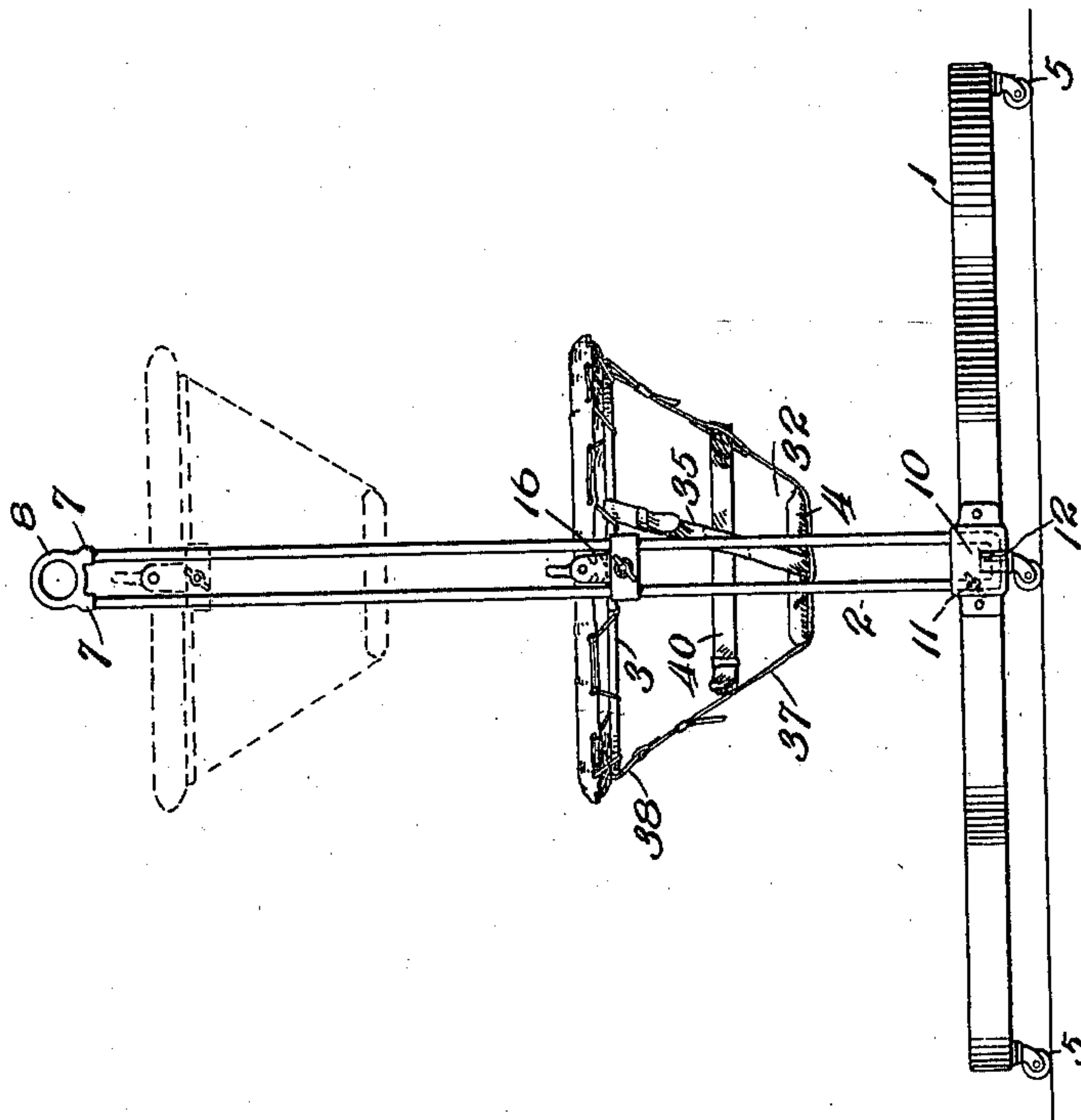


Fig. 1.



WITNESSES:

L. Bradford Hand
J. W. Springmeyer

INVENTOR

Henry Arthur Hayden
BY
Oliver J. Gluschen
his ATTORNEYS

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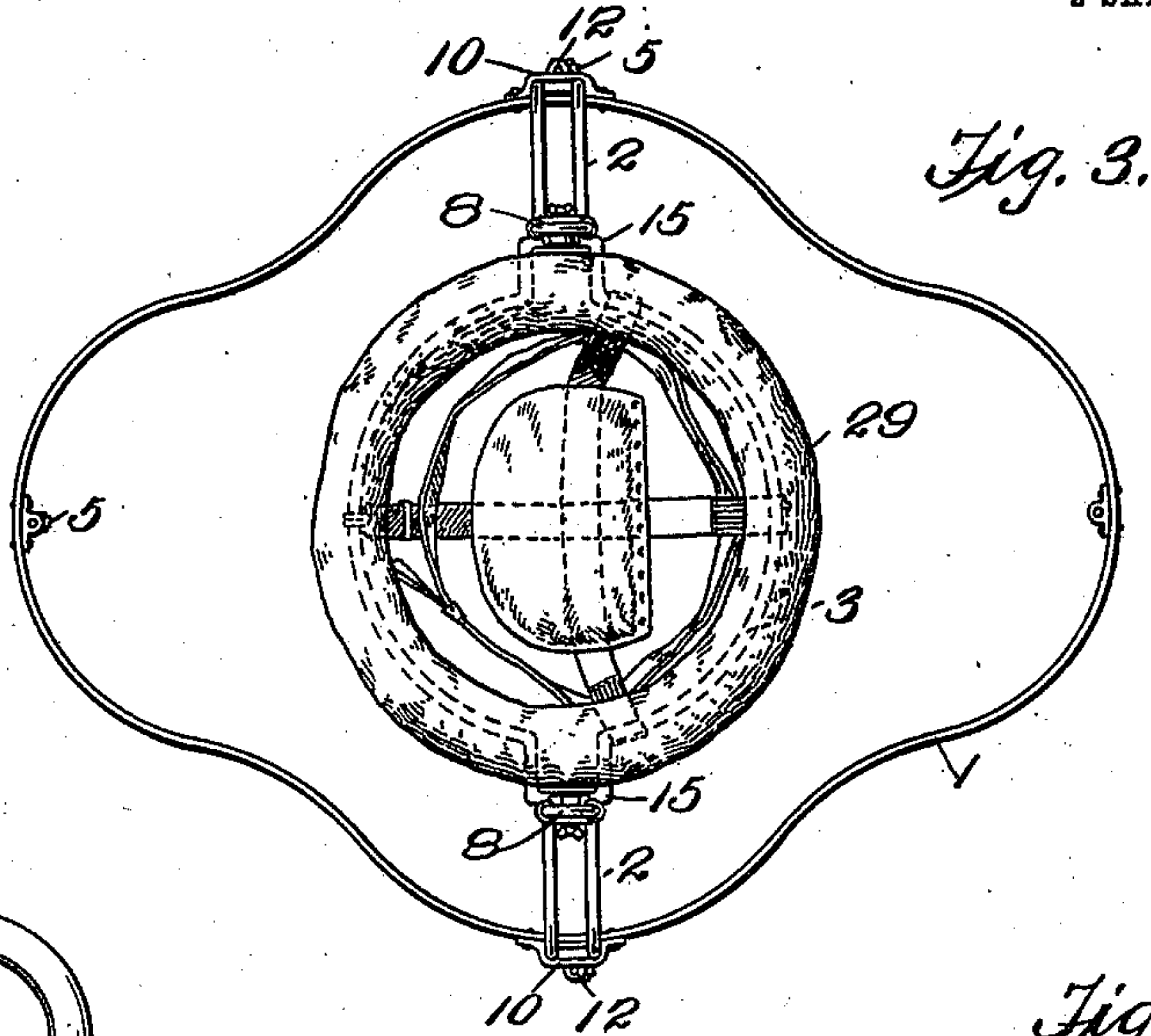
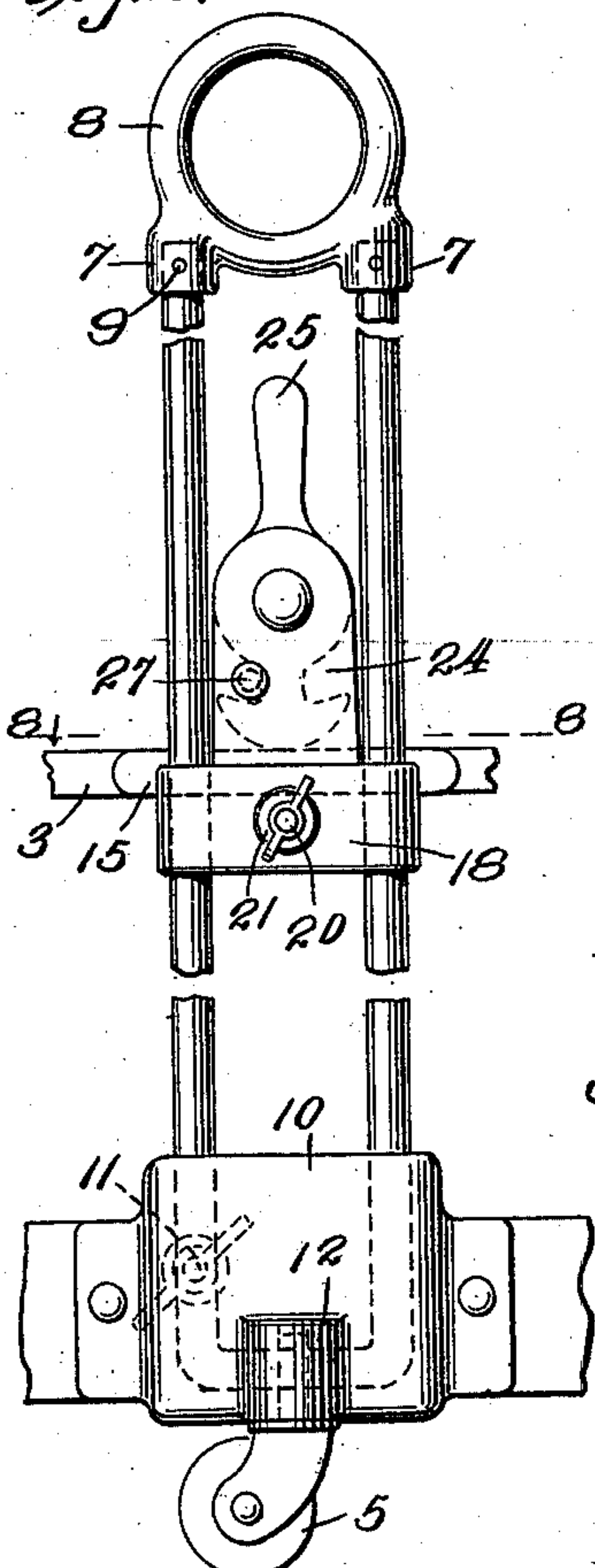


Fig. 3.

Fig. 5.



WITNESSES

L. Sanford Hancher

W. Springmeyer

Fig. 4.

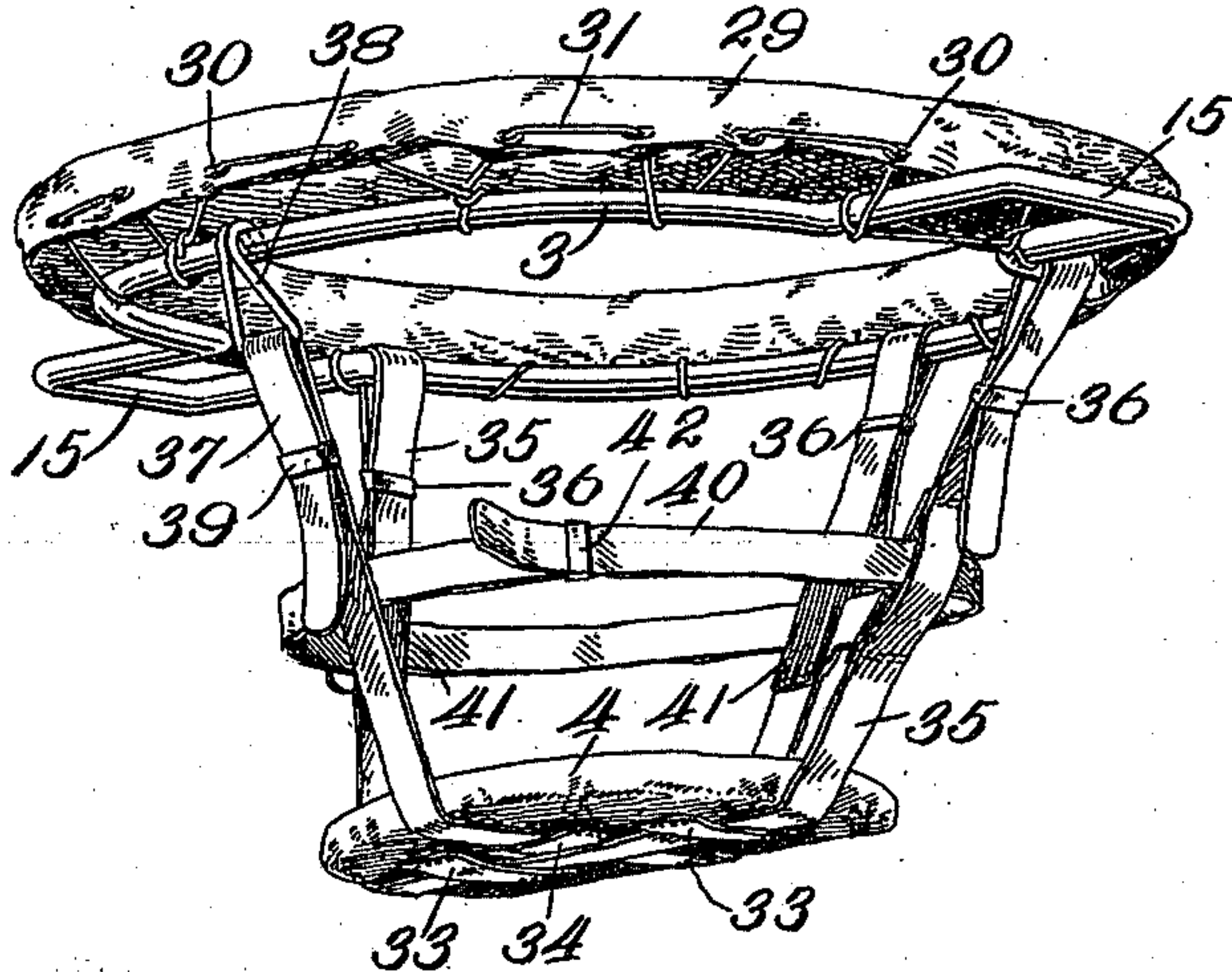


Fig. 6.

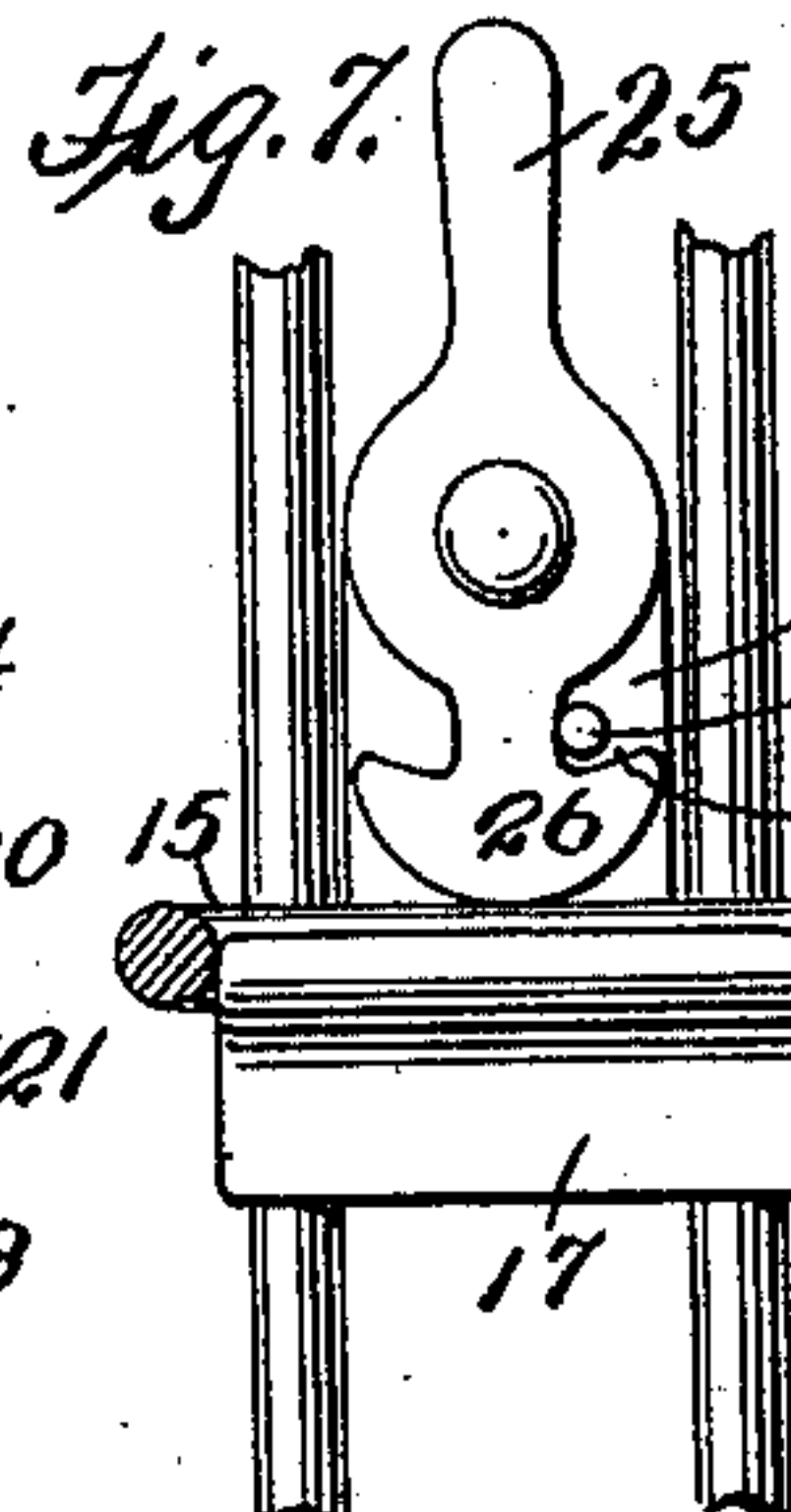
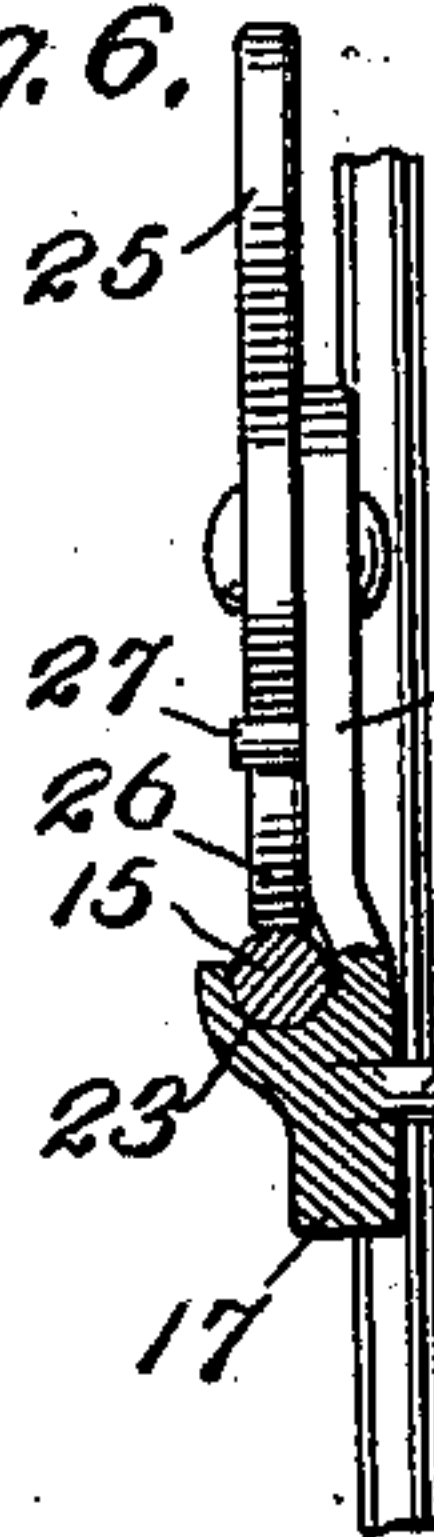
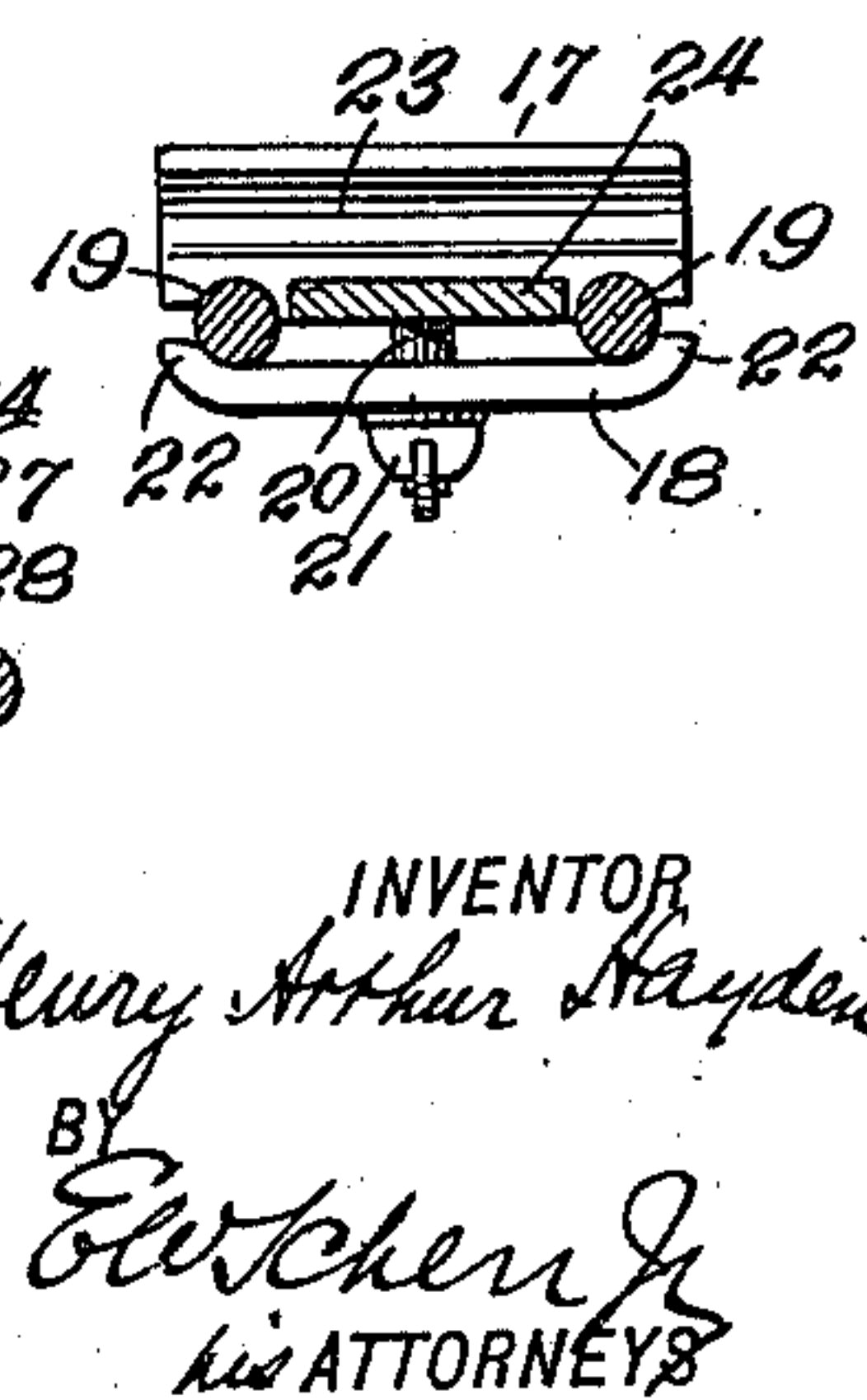


Fig. 8.



INVENTOR

Henry Arthur Hayden

BY

Glitscher & Co.
ATTORNEYS

UNITED STATES PATENT OFFICE.

HENRY ARTHUR HAYDEN, OF JERSEY CITY, NEW JERSEY, ASSIGNOR TO JULIA M. HAYDEN, OF JERSEY CITY, NEW JERSEY.

COMBINED BABY-WALKER AND CHAIR.

989,966.

Specification of Letters Patent.

Patented Apr. 18, 1911.

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To all whom it may concern:

Be it known that I, HENRY ARTHUR HAYDEN, a citizen of the United States, and a resident of Jersey City, county of Hudson, State of New Jersey, have invented certain new and useful Improvements in a Combined Baby-Walker and Chair, of which the following is a specification.

The object of my present invention is a baby-walker, adapted also for use as a high or low chair, and having the advantages of being simple in construction, cheap to manufacture, easy to adjust and manipulate, readily separable into its component parts for purposes of packing away or of being transported, also of being sanitary, and of having other advantages hereinafter appearing.

In the drawings which show one of the forms which my invention may take, Figure 1 is a side elevation of the device complete; Fig. 2 is an end elevation of the same looking at the right-hand end of Fig. 1; Fig. 3 is a top plan view of the same; Fig. 4 is an enlarged detail showing the ring, seat and connecting members detached from the rest of the device, also showing the soft or cushion-ring elevated and only loosely laced to the metal supporting-ring; Fig. 5 is an enlarged detail of one of the side members, the intermediate portions thereof being broken away at two places; Figs. 6 and 7 are respectively end and side elevations, the former being partly in section, of one of the connecting devices by which the ring is removably secured to the side members of the frame. These views also show portions of one of the side members. And Fig. 8 is a horizontal section, partly in elevation on the line 8—8 in Fig. 5.

Describing now my invention, with particular reference to the devices of the drawings, and referring more particularly at present to Figs. 1 to 3, the device comprises a frame consisting of a bottom-ring 1 with upright side-members 2 in combination with a ring 3 and saddle or seat 4, removably and adjustably suspended between said upright side-members.

The bottom-ring 1 of the frame may consist of a metal strip or band disposed on edge with its free ends united. In shape it may take the general form of a diamond with its four corners rounded outwardly somewhat as shown. Said bottom frame

will preferably be supported on casters 5 as shown.

The side members 2 each comprise a metal rod bent double on itself at its middle with the two legs, so produced, spaced apart. (Compare Fig. 1).

The extremities of the legs of each side member are received in sockets 7 in a ring-shaped casting 8, wherein said extremities are permanently secured, as by pins 9.

The bent-up end of each side member 2 is received in a pocket formed in a casting 10 which may be riveted to the outside of the bottom-ring 1 as shown. A set-screw 11 may be located as shown within the bottom-ring 1 and may project through said ring in line with one leg of the side-member within the pocket, where by bringing up on said set-screw will secure the side-member rigidly to the bottom-ring 1. The casting 10 may have an outwardly extending lug 12 adapted to receive the spindle 14 of a caster as best shown in Figs. 2, 3, and 5.

The ring 3 may be bent up out of a piece of metal rod, as shown in Figs. 3 and 4, to have opposite projecting side portions 15, and it is by these portions that the ring is connected at either side to the side-members 2. This connection is made through the intervention of two connecting devices 16, one on each side member, said devices being adjustable up and down on the side-members and at the same time permitting the ready attachment and detachment of the ring. Each of said connecting devices 16 comprises a pair of plates or members 17 and 18, one on each side of the side-member 2, and hereinafter designated respectively the inner and outer members of the connecting devices.

The inner member 17 has two parallel upright grooves 19 corresponding with and adapted to receive the two legs of the side member. It also has a threaded-rod 20 projecting outwardly and adapted to receive over it a central opening in the outside-member 18. A wing nut 21 coacts with the threads on said rod and bringing up the nut brings the outside and inside members together and grips between them the legs of the side-member. The outside member 18 may be grooved correspondingly with the inside member or may simply have end-flanges 22 as shown in Fig. 8. The inside member has an inwardly extending hori-

zontal flange 23 of trough-like formation to receive and retain one of the side portions 15 of the ring 3. To lock said side portions in said trough-like flange, each connecting device 16 is shown provided with an upright lug 24 on the inside-member 17, which pivotally supports over the trough a locking arm, comprising a handle 25 at one end and a cam-like portion 26 at its other end, which latter by operating the handle is adapted to be brought down against the top of the side portion 15 of the ring 3 in the trough to lock same therein. A stop 27 on the upright lug 24 of the inside member is adapted to be received in a cut-out 28 in the locking arm, when said arm is in locking position.

Thus it will be seen that the connecting devices 16 between the ring 3 and the side-member 2 are such as first to permit ready attachment and detachment of the ring from the side members, and second, the ready adjustability in vertical direction of said ring on said side-members. Further it will be understood that by loosening up on the set-screws 11, the side-members 2 can be readily removed from the bottom-ring of the frame, as for example when it is desired to pack the entire device out of the way or for transportation.

Describing now the parts, relating more particularly to the ring 3, 29 designates a ring-like cushion, removably secured to said ring. This ring-like cushion may consist of a ring-like strip of fabric or other flexible material, preferably rubber, having its inner and outer edges provided each with a row of eyelets 30 which should preferably register when the two edges of the ring-like strip are brought together about the stuffing material in the cushion. A lace 31 is then threaded through the eyelets and at the same time may be brought under the ring 3 so as to secure the soft or padded-ring 29 to the metal-ring. Fig. 4 indicates this construction.

Suspended from the metal-ring 3 is a saddle 4 which should preferably be stuffed with suitable soft material and covered with waterproof material such as rubber fabric. The underside of said saddle has a plurality of loops, two of which, designated 33, run in the same direction, which is transversely relative to the saddle, and the other of which, designated 34, is located between said transverse loops and runs longitudinally.

A strap 35 is passed through the two transverse loops and has its respective ends looped up over the metal ring 3 and thence downwardly where it is secured by buckles 36 to itself. These buckles may be of any suitable sort to secure the loops of the strap against slipping and at the same time whenever desired to permit adjustment of the length of the strap and consequently of the

height of the saddle. A second strap 37 is also provided, this strap being passed through the longitudinal loop 34 of the saddle. One of the free ends of this strap is as before looped over the metal ring 3 and thence downwardly, where it is adjustably secured to itself also by a buckle 36, whereas the other end of this strap 37 is looped on itself through the eye of a hook 38, said loop being secured by a buckle 39 and the hook being adapted to take over the metal ring 3. The child may be passed, feet foremost, down through the ring 3 into sitting position on the saddle 4 with its legs straddling the hook end of the strap 37. It will be understood that the padded-ring 29 will be located under the arms of child, or at least below them.

A belt 40 is provided which passes through loops formed on the upright portions of the straps 35 and 37. The loops on these straps are in each case formed by sewing a piece of elastic material 41 at its ends to the particular strap. Obviously by taking up on the buckle 42 of the belt the child can be belted around its waist as tightly as necessary to secure it against slipping out of the ring or off the saddle. Thus the elastic loops 41 will give sufficiently to permit adequate tightening of the belt and at the same time will be amply strong to support the child from the saddle-suspending straps 35 and 37.

It will be noted that the saddle can be adjusted up and down relative to the ring to fit the child. Moreover the entire device can be used not only as a baby-walker, but as a high or low chair. Again a receptacle can be quickly placed under the child by merely unhooking the front supporting strap of the saddle and swinging the saddle back out of the way.

Having thus described my invention, what I claim is:

1. In combination, a ring supported in horizontal position; a saddle suspended from said ring, said saddle having on its bottom a pair of transverse loops with an intermediate longitudinal loop; a strap extending through the transverse loops with its ends looped over the ring and secured by buckles; and a second strap extending through the longitudinal loop and having one of its ends hook-connected with the ring and its other end looped over the ring and secured by a buckle.

2. In combination, a ring supported in horizontal position; a saddle suspended from said ring, said saddle having oppositely disposed bottom loops; an adjustable strap extending through one of said loops with its ends connected at opposite points to the ring; and a second adjustable strap extending through the other loop on the saddle and having its ends connected at op-

posite points to the ring, one of said ends being a hook-connection.

3. In combination, a ring supported in horizontal position; a saddle suspended from said ring by straps; elastic loops on the inner sides of said straps between the saddle and the ring; and a belt threaded through said elastic loops.

4. In combination, a ring supported in horizontal position; a saddle suspended from said ring, said saddle having oppositely disposed bottom loops; an adjustable strap extending through one of said loops with its ends connected at opposite points to the ring; a second adjustable strap extending through the other loop on the saddle and having its ends connected at opposite points to the ring, one of said ends being a hook-connection; elastic loops on the inner sides of said straps between the saddle and the ring omitting the strap-end which is hook-connected; and a belt threaded through said elastic loops.

5. In combination, a metal ring; a padded ring on top thereof comprising stuffing material covered by a strip of covering material having eyelets along its two edges and having a lace extending through said eyelets to hold it in covering position about the stuffing material, said lace being also threaded about the metal ring to unite it and the padded ring.

6. In combination, a bottom-ring supported horizontally on the floor and having a pair of oppositely disposed pockets; side members adapted to extend uprightly out of said pockets on the ring, each side member comprising a rod bent double on itself with its two legs spaced apart and having their free ends connected by a cross-piece, the doubled-over end of said side members being adapted to be received in the ring-pockets; set screws extending into said pockets and adapted to be brought into binding contact with a portion of the side member within the pocket; a baby-receiving device; and means connecting said device at either side with the side members, adapted to support the device between the side members and to permit vertical adjustment of the device on said side members.

7. In combination, a bottom-ring supported horizontally on the floor; side members extending uprightly from opposite sides of

said ring, each of which comprises a pair of parallel spaced-apart rods; a baby-receiving device supported adjustably up and down between said side members through the intervention of connecting devices; and said connecting devices, one on each of the side members, and each comprising two members facing each other with the rods of the side member located between them, said facing members being vertically channeled to conform with the cross-section of the rods and being connected together to be adjustable to and from each other to grip or not to grip the rods of the side member, each of said connecting devices being adapted to support one side of the baby-receiving device.

8. In combination, a bottom-ring supported horizontally on the floor; side members extending uprightly from opposite sides of said ring, each of which comprises a pair of parallel spaced-apart rods; a baby-receiving device supported adjustably up and down between said side members through the intervention of connecting devices, said baby-receiving device itself comprising a supporting ring-like frame; and said connecting devices, one on each of the side members and each comprising a pair of members facing each other and adapted to receive between them the rods of one of the side members, said facing members being conformed to the cross-section of the rods to inclose said rods when the members are together, said members being screw-connected together to be adjustable to and from each other to grip or not to grip the rods between them, and an inside member, that is the member next the baby-receiving device having a horizontal grooved flange and also having a locking arm pivoted above said flange and adapted to be swung into binding contact with the ring-like frame of the baby-receiving device which the horizontal grooved flange is adapted to receive and support.

In witness whereof, I have signed my name to the foregoing specification in the presence of two subscribing witnesses.

HENRY ARTHUR HAYDEN.

Witnesses:

TH. SPRINGMEYER,
E. W. SCHERR, Jr.