

No. 655,099.

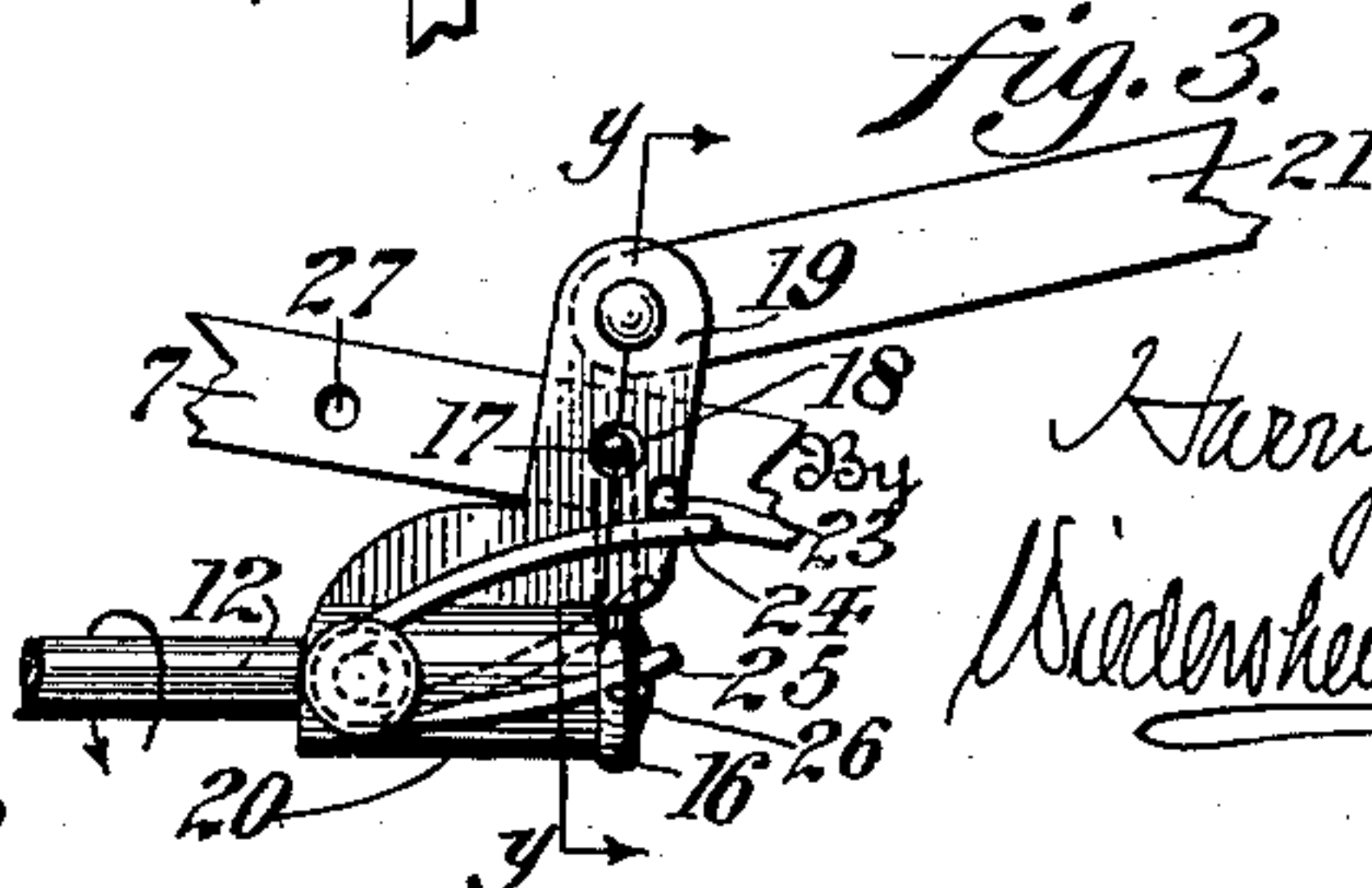
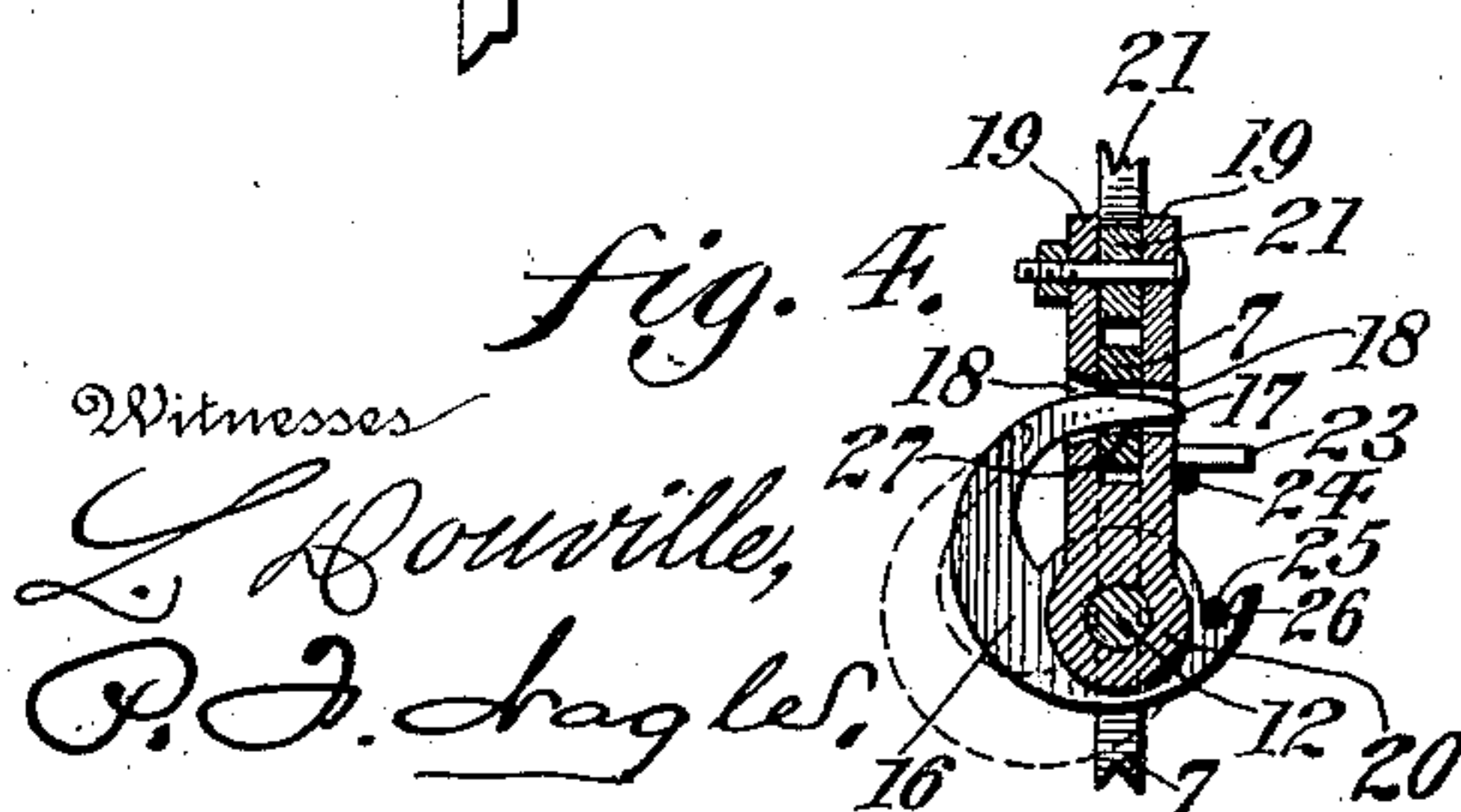
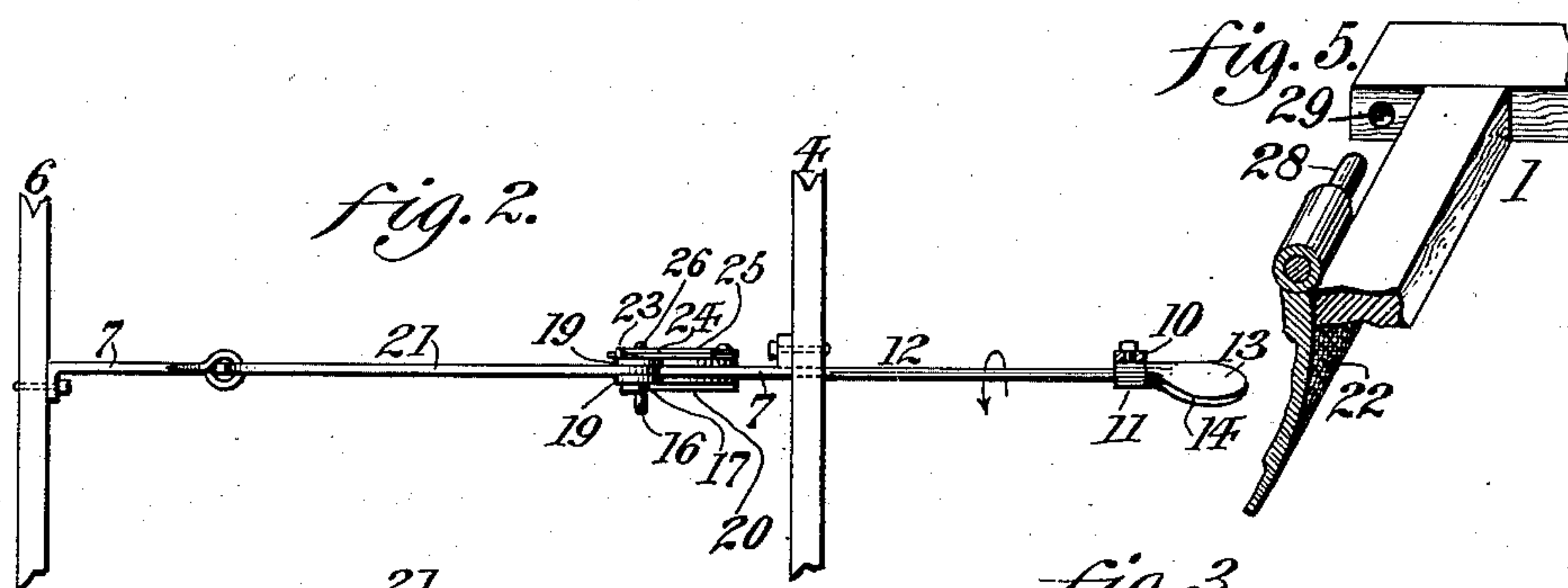
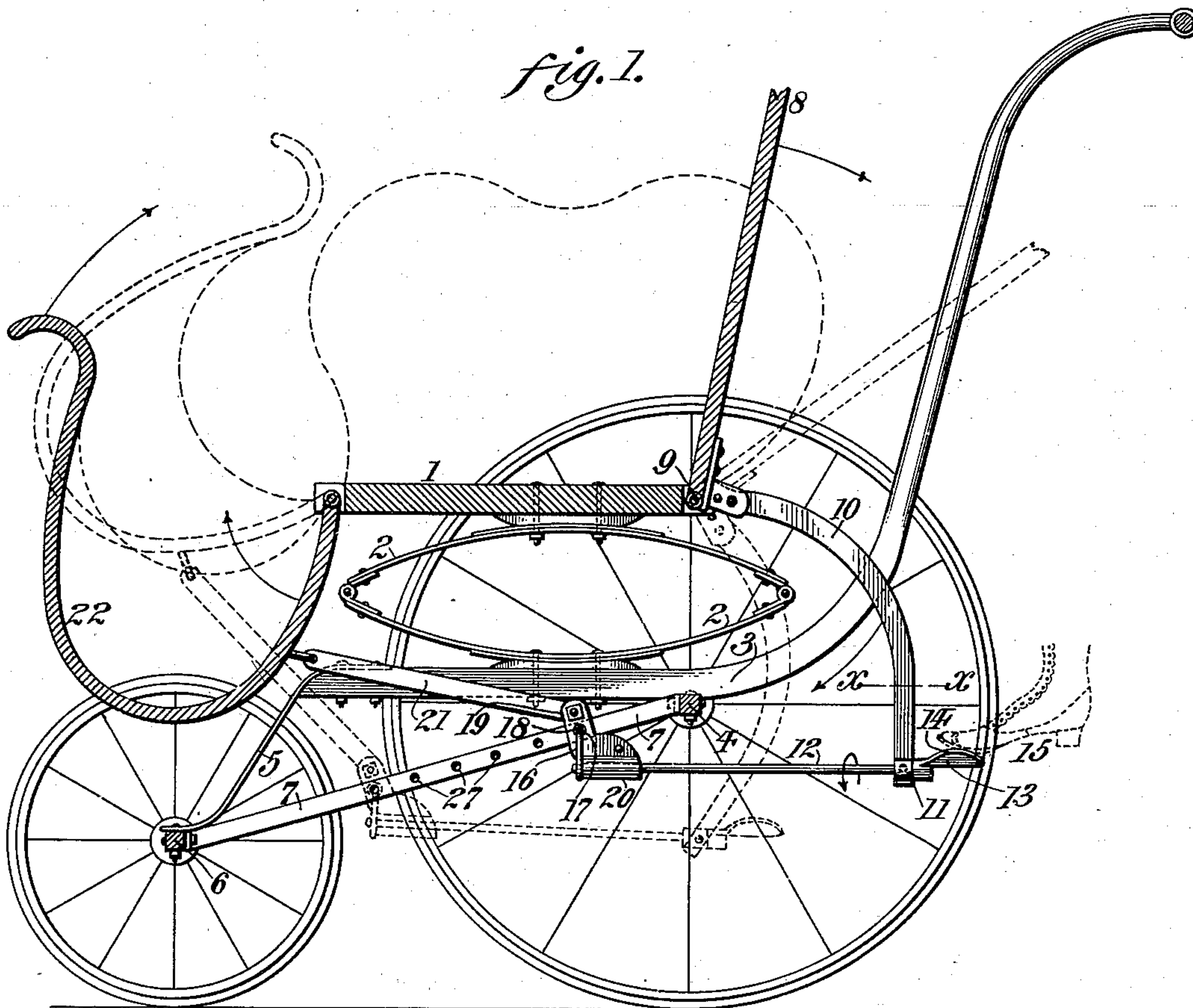
Patented July 31, 1900.

H. LEVI.

GO-CART.

(Application filed Dec. 29, 1899.)

(No Model.)



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UNITED STATES PATENT OFFICE.

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GO-CART.

SPECIFICATION forming part of Letters Patent No. 655,099, dated July 31, 1900.

Application filed December 29, 1899. Serial No. 741,909. (No model.)

To all whom it may concern:

Be it known that I, HARRY LEVI, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Go-Carts, which improvement is fully set forth in the following specification and accompanying drawings.

My invention relates to an improved construction of a reclining go-cart; and it consists of novel means whereby the angle of the front piece and back can be readily and instantly adjusted by foot-pressure.

It also consists of a novel manner of constructing and bracing the front and rear axles wherein great rigidity is assured, and supports are provided for ways which sustain the catch or locking device, whereby the different adjustments of position are attained.

It further consists of novel details of construction, all as will be hereinafter fully set forth, and particularly pointed out in the claims.

Figure 1 represents a longitudinal sectional view of a go-cart embodying my invention. Fig. 2 represents a sectional view on line $x x$, Fig. 1, showing the adjusting mechanism in detached position, the upper portion of the cart being removed. Fig. 3 represents, on an enlarged scale, a side elevation of the ears, sleeve, latch, and their adjuncts, the same being viewed from a different position from that in Fig. 1. Fig. 4 represents a section on line $y y$, Fig. 3. Fig. 5 represents a perspective view, on an enlarged scale, showing the manner in which the front piece is doweled or pivotally supported in position.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings, 1 designates the base or body of the reclining go-cart or baby-carriage, which is mounted on the springs 2, which are supported on the side frames 3, it being understood that in practice a pair of frames and springs are employed. The side frames 3 are mounted on the rear axle 4 and have secured to their forward ends the braces 5, which are connected to the front axle 6, said front and rear axles being further strengthened by the guide-rod or brace

7, whereby a very rigid framework or running-gear is obtained.

8 designates the back of the cart, which is pivotally supported at 9, said back having the rearwardly-extending arm 10, in the lower extremity of which is pivoted the eye or bearing 11, in which the rod 12 is rotatably mounted, one end of said rod having the footpiece 13 attached thereto, it being noted that the latter has the portion 14 normally standing in an offset or upwardly-inclined position, so as to be readily rocked by the foot 15 of the operator.

16 designates a catch secured to the end of the rod 12 opposite to the footpiece, said catch having the nose 17, which is adapted to enter the openings 18 of the ears 19, which serve as ways and slide on the brace 7, said ways projecting from the sleeve 20, which serves as a bearing for the rod 12, which passes therethrough.

21 designates a link having one end pivotally secured to the ears 19, while its other end is connected to the front piece 22, which is pivotally attached to the base or body 1.

23 designates a pin or projection carried by the ears 19, against which pin abuts one limb or member of the spring 24, the other member 25 thereof being seated in the recess 26, wherefrom it will be seen that the normal tendency of said spring will be to retain the nose 17 of the catch 16 in the position seen in Fig. 4, said nose passing through one of the openings 27 in the brace 7 when said openings are in alinement with the openings 18, as seen in Fig. 4.

The operation is as follows: When it is desired to vary the position of the front and back of the cart from that seen in Fig. 1 to that seen in dotted lines in said figure, the operator or attendant simply imparts a rotary motion to the rod 12 by means of the footpiece, whereupon the catch 16, which is secured to said rod, rotates in unison therewith, and the nose 17 leaves the openings 18 and 27 and assumes the position seen in dotted lines in Fig. 4. The back can now be tilted to the desired extent, the front piece moving in unison therewith, and pressure on the footpiece 13 being removed the spring members 24 and 25 will cause the nose 17, with the catch 16, to then assume the position seen in Fig. 4,

the parts being now, for example, in the position seen in dotted lines in Fig. 1.

It will be evident from the foregoing that an adjusting device of great simplicity and durability is obtained, wherein the number of parts is reduced to a minimum and the construction of the same greatly simplified.

In Fig. 5 I have shown the preferred manner of pivotally supporting the back 7 and front piece 22, the latter being mounted on a rod or dowel 28, which is adapted to enter the opening or bearing 29 in the base or bed of the cart, it being understood that the pivotal connection 9 with the back 8 is substantially the same as the construction seen in Fig. 5. It will thus be seen that by this manner of supporting the back and front piece in position the parts can be cheaply and quickly assembled.

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

1. In a go-cart, the combination of a front and rear axle, side arms 3 supported on said rear axle, a strap or brace 5 connecting the forward ends of said side arms to the front axle, a brace 7 connecting said front and rear axle and adjustable locking devices carried by said brace 7 and having connections therefrom to a movable front piece and back.

2. In a go-cart, the combination with the running-gear, of a brace 7 suitably supported thereon and having openings therein, a sleeve provided with ears movable upon said brace, a rod having one end rotatably mounted in said sleeve and carrying a catch engaging said openings, an arm attached to the back of the cart and provided at its lower portion with a bearing for the other end of said rod, the latter carrying a footpiece and a link common to the ears of said sleeve and the front piece of said cart.

3. The combination with the movable back and front piece of a go-cart, of a link having one end connected to said front piece, a brace, a sleeve supported on said brace, ears on said sleeve engaging said link, a rotatable rod having a bearing in said sleeve, a catch carried by said rod adapted to engage openings in said ears, and in the brace which

passes through the latter, an arm attached to said back, a bearing in said arm for said rod, and a footpiece for the latter.

4. The combination with the movable back and front piece of a go-cart, of a link having one end connected to said front piece, a brace, a sleeve supported on said brace, ears on said sleeve engaging said link, a rotatable rod having a bearing in said sleeve, a catch carried by said rod adapted to engage openings in said ears, and in the brace which passes through the latter, an arm attached to said back and a pivotal bearing on said arm for said rod, a footpiece for the latter, and a spring carried on said sleeve and having one member contacting with a projection from said ears and its other member engaging a projection on said catch.

5. In a go-cart, a base 1 supported upon springs 2, carried by the side frames 3, the latter being supported upon the rear axle 4 and having straps or braces extending from the forward end of the front axle 6, the brace 7 connecting the front and rear axles and having openings therethrough, a sleeve provided with ears adapted to move upon said brace 7, a rod rotatably mounted in said sleeve and carrying a catch 17, the nose of said catch being adapted to enter alining openings in said ears and contiguous brace, a link common to said ears and the adjustable front piece, an arm attached to the pivotal back of said cart and provided with a bearing in its lower portion, said rod being rotatably mounted in said bearing, a footpiece on said rod and tension devices for said catch.

6. In a go-cart, the combination of a base having extensions at the front and rear thereof, a back and front piece journaled or pivotally mounted in said extensions, an arm projecting from said back and having a pivotal bearing at the lower portion thereof, a rod mounted in said bearing, mechanism carried by said rod for locking the back and front piece in adjustable position and a link connecting said mechanism and front piece.

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Witnesses:

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