

(No Model.)

F. J. STALLINGS.  
REVOLVING SHADE FOR BABY CARRIAGES.

No. 532,490.

Patented Jan. 15, 1895.

Fig. 1.

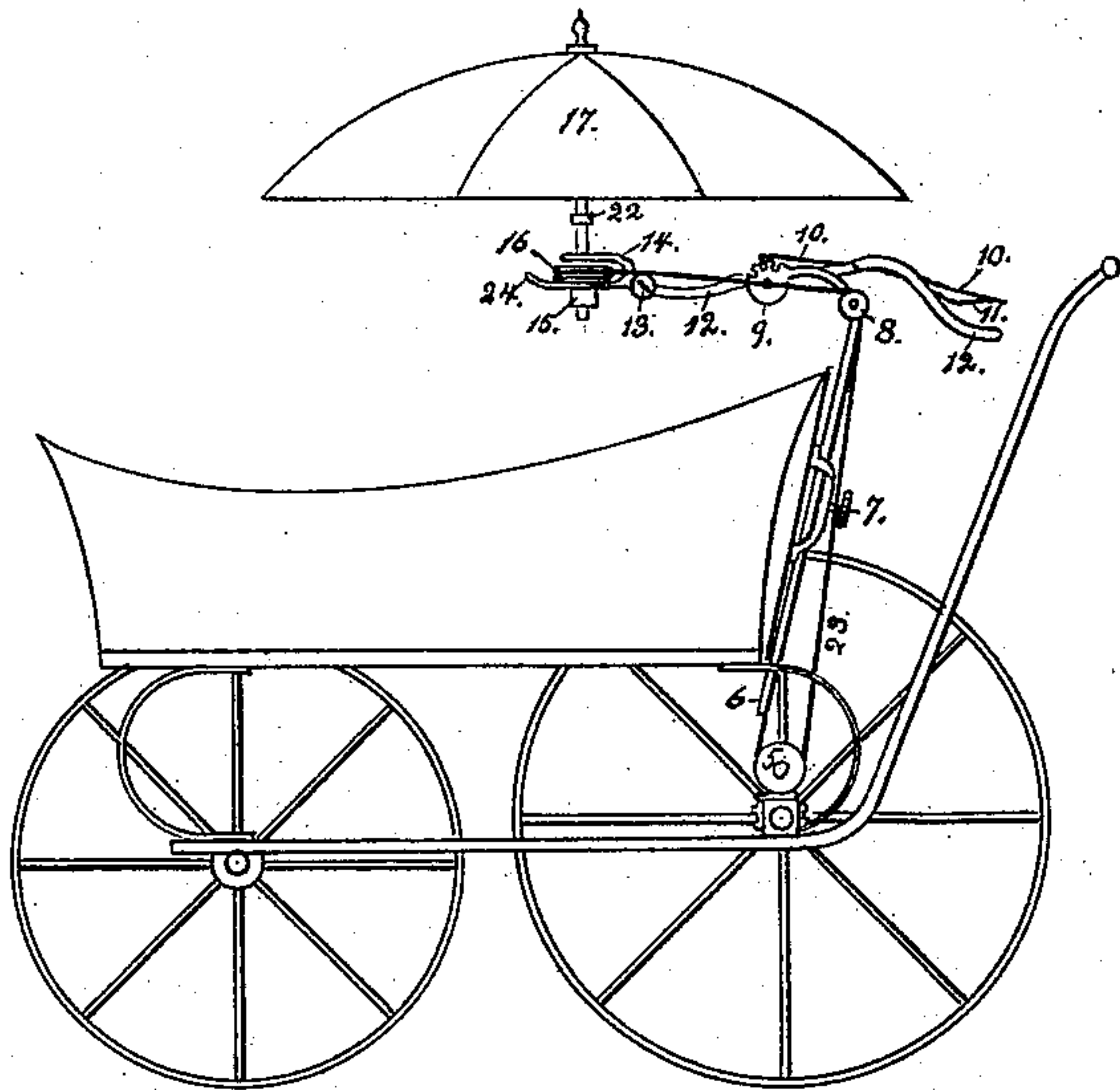


Fig. 2.

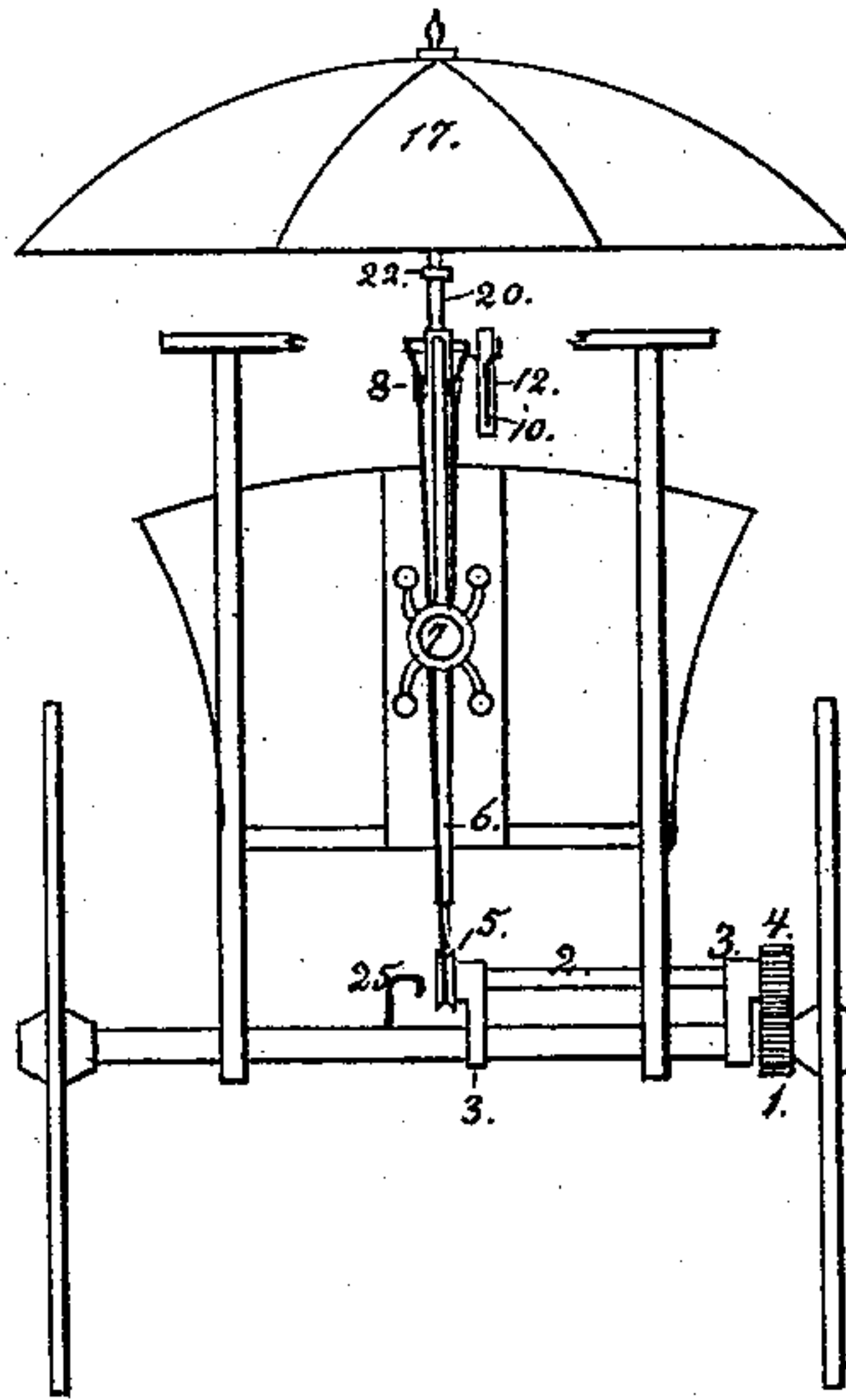


Fig. 3.

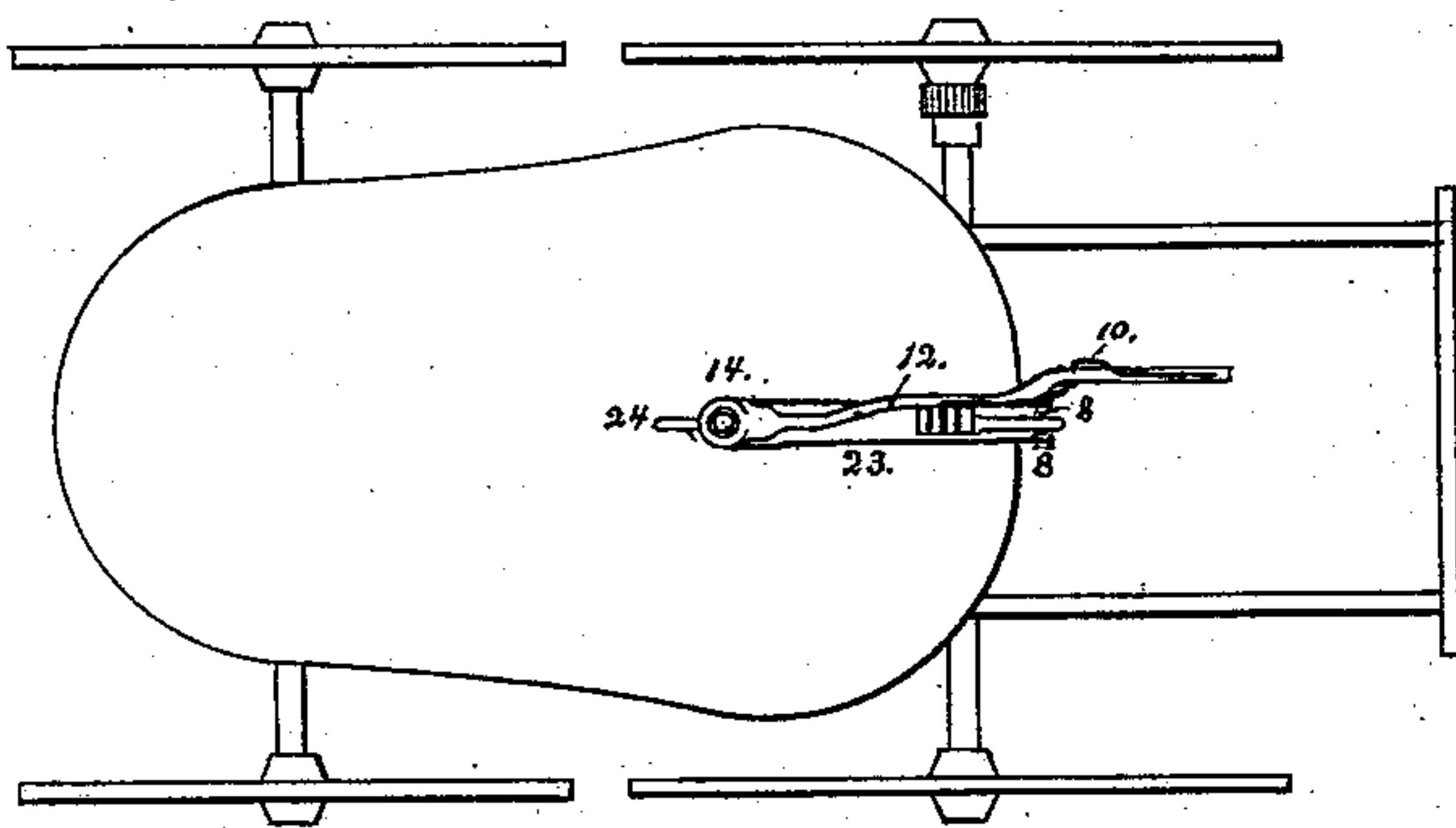
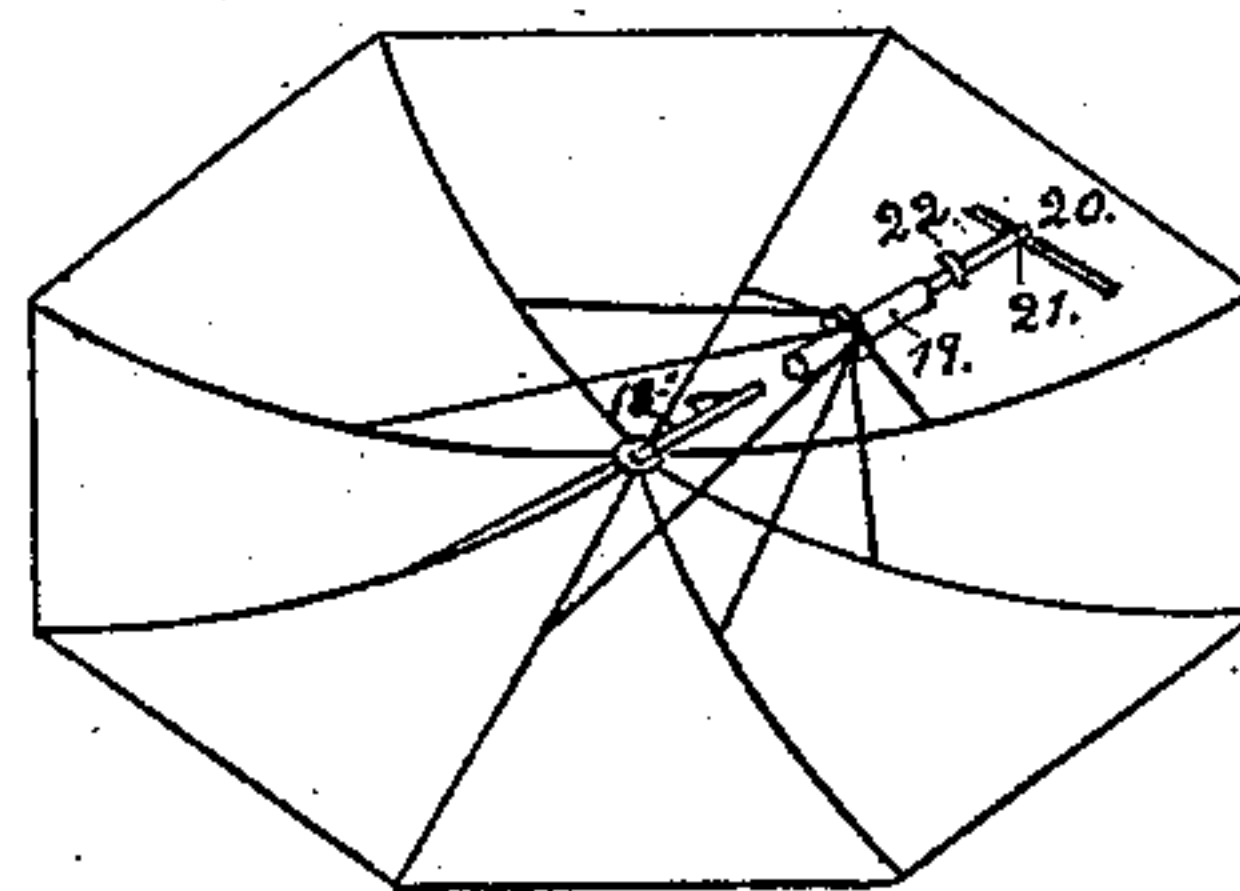


Fig. 4.



Witnesses  
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# UNITED STATES PATENT OFFICE.

FRANCIS JOSEPH STALLINGS, OF EFFINGHAM, ILLINOIS.

## REVOLVING SHADE FOR BABY-CARRIAGES.

SPECIFICATION forming part of Letters Patent No. 532,490, dated January 15, 1895.

Application filed March 8, 1894. Serial No. 502,834. (No model.)

*To all whom it may concern:*

Be it known that I, FRANCIS JOSEPH STALLINGS, of Effingham, in the county of Effingham and State of Illinois, have invented a certain new and useful Improvement for an Automatic Revolving Shade for Baby-Carriages, &c., of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to those baby-carriages which are provided with a canopy operated automatically by the movement of the carriage wheels, and my object is to produce a more easily adjustable and desirable mechanism than hitherto produced.

To this end my invention consists in a rotary canopy in connection with peculiar mechanism and combinations of parts more fully described hereinafter and embodied in the claims.

In the accompanying drawings: Figure 1 represents a side elevation of my complete invention as applied to an ordinary baby-carriage; Fig 2, a rear view thereof; Fig. 3, a top view with the canopy removed, and Fig. 4, a view of the canopy detached and inverted.

The reference numeral 6, denotes a standard adjustably secured to the back of the body of the carriage by means of a clamp 7. The upper end of this standard extends over the carriage body, and its outer extremity is provided with a rack 9. Pivoted at the rack, and normally extending in a horizontal position, is an arm 12 the tail of which projects back in convenient distance to be grasped by the person pushing the carriage. The handle of the canopy or parasol 17 is journaled in a socket 15 in the forward end of the horizontal arm 12, and passes through prongs 14 and 24 located one over the other. These prongs are pivoted to the arm by a joint 13, of common construction, and which will permit the axis of the canopy to be given any desired inclination. The arm 12 is made capable of being locked at various inclinations through the medium of a long pawl 10 pivoted on arm 12 and which engages the teeth of the rack 9 located at the pivotal point of the arm. A leaf

spring 11, holds the nose of the pawl in engagement with the rack. The rear end of the pawl extends just over the handle portion of the arm 12, in such juxtaposition as to be readily grasped by the hand simultaneous with the grasping of the handle to adjust the height of the canopy.

The means by which the canopy is rotated consist of a horizontally disposed grooved pulley 16 fixed on the umbrella handle between the prongs 14 and 24, and this pulley is driven by an endless band 23 actuated by the axle of the carriage, through the medium of a pulley 5 fixed on a short horizontal shaft 2 extending parallel with the wheel axle. The shaft is mounted in boxes 3 fixed to the axle. The axle is stationary, and in order to drive the shaft I provide the right hand rear wheel with a gear 1 which meshes with another gear 4 fixed on the end of the shaft. 25 is a hook located near the pulley 5, and is provided for the purpose of holding the band 6 when detached from the pulley. Intermediate pulleys 8 are located on the standard 6 where the band makes a turn forward.

From the foregoing description it will be seen that the revolution of the carriage wheels will impart rotary motion to the canopy through the medium of gears 1 and 4, shaft 2, pulley 5, endless band 23, and horizontal pulley 16, and when it is desired to raise or lower the canopy it can be done by releasing the pawl 10 from the rack 9, and raising and lowering the bar 12, a finer and still further adjustment being effected through the joint 13.

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

1. In a canopy for carriages, the combination with an adjustable standard secured to one end of the carriage, an adjustable arm pivoted to the standard and extending over the body of the carriage, a rotatable canopy mounted on the forward end of the arm, a pulley fixed on the handle portion of the canopy, a band operating around said pulley, and connected with a driving pulley actuated by the rotation of the carriage wheel.

2. In a canopy for carriages, the combina-



tion of an adjustable standard, a laterally extending jointed arm, pawl and rack mechanism for making the arm and standard adjustable in relation to each other, a canopy carrying spindle rotatably mounted in the laterally extending arm, a drive shaft provided with a pulley and geared to the carriage wheel, and a band operating over a series of pulleys,

and connecting the pulley with the spindle, whereby the canopy is caused to revolve when the carriage is in motion, substantially as described.

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