O. A. HENSEL.

DETACHABLE BODY BABY VEHICLE.

APPLICATION FILED AUG. 19, 1912.

**1,193,896.** Patented Aug. 8, 1916.

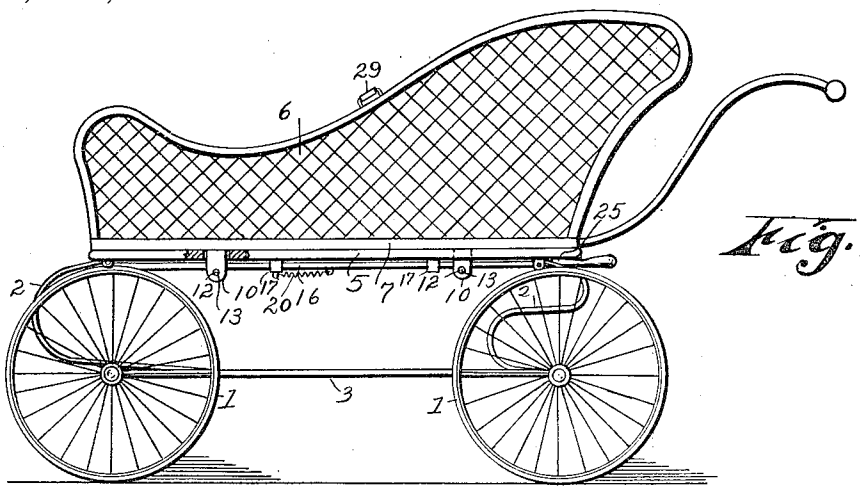



Fig. 1.

Fig. 2.

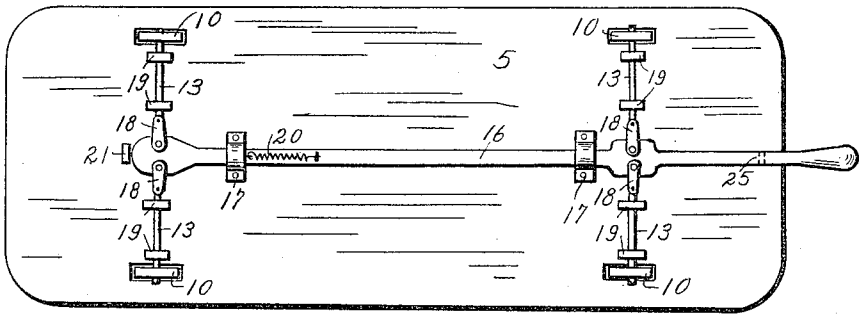



Fig. 3.

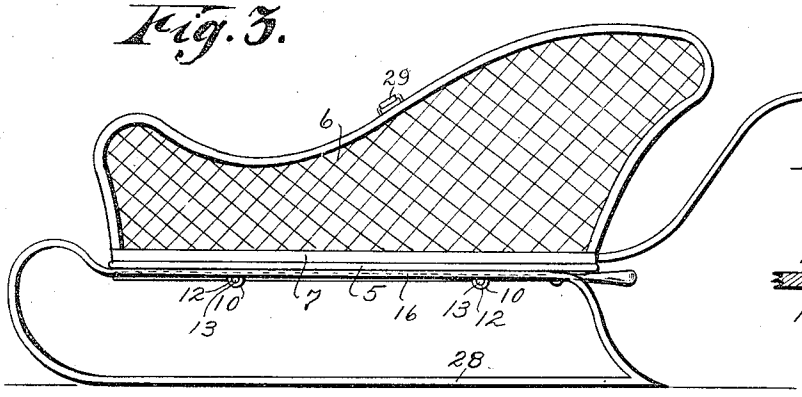
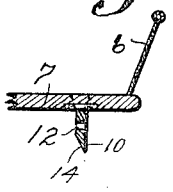



Fig. 4.




Witnesses:
F. A. Otto
L. T. Hannan

Inventor.
Otto A. Hensel
By Erwin & Wheeler
Attorneys

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

# UNITED STATES PATENT OFFICE.

OTTO A. HENSEL, OF MILWAUKEE, WISCONSIN.

## DETACHABLE-BODY BABY-VEHICLE.

1,193,896. Specification of Letters Patent. Patented Aug. 8, 1916.

Application filed August 19, 1912. Serial No. 715,702.

*To all whom it may concern:*

Be it known that I, OTTO A. HENSEL, a citizen of the United States, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented new and useful Improvements in Detachable-Body Baby-Vehicles, of which the following is a specification.

My invention relates to improvements in detachable body baby vehicles.

The object of my invention is to provide means whereby the body of a vehicle of the described class may be readily detached from its support and carried to any desired place, the construction being such that when the body is replaced upon its support it is automatically locked in position thereon.

In the drawings, Figure 1 is a side elevation of a go-cart embodying my invention with a portion of the platform partially broken away to show the means for securing the body in position. Fig. 2 is a view of the under side of the platform showing the connections for unlocking and locking the basket or body in position. Fig. 3 is a side elevation showing my invention as it appears when applied to a sled. Fig. 4 is a detail sectional view drawn through one of the connecting members and showing a portion of the platform and bottom of the basket.

Like parts are identified by the same reference characters.

In Fig. 1, the wheels 1, springs 2, and reach 3 represent the running gear of an ordinary baby carriage or go-cart. The springs 2, however, support a platform 5, preferably comprising a flat plate of suitable material to receive and support the removable basket. The basket 6 is provided with a flat bottom 7 adapted to fit the platform 5 and the under surface of the bottom 7 is provided with a set of outwardly projecting connecting members 10 which extend through openings in the platform 5 and are provided with transverse holes 12 through which locking pins 13 may extend. The connecting members 10 are preferably rectangular in cross section with their lower ends beveled downwardly and outwardly to form a wedge shaped extremity 14 whereby a downward movement of the connecting members 10 in the platform openings will tend to force the locking pins inwardly, thus permitting the projections 10 to pass the ends of the pins to a point where said pins may register with and enter the holes 12.

The pins may be retracted from locking position by a rod 16 mounted in suitable bearings at 17 on the under side of the platform 5 said rod being connected with the locking pins 13 by links 18. The pins 13 are supported from the under surface of the platform 5 by bearing clips 19, and a backward movement of rod 16 will therefore cause the links 18 to pull the pins 13 inwardly and withdraw them from the holes 12 in the connecting members 10. A spring 20 connecting rod 16 with one of the clips 17 tends to pull said rod 16 forwardly to restore the pins 13 to locking position, the rod 16 moving forwardly until its front end strikes the stop 21.

In order to hold the rod 16, with the pins 13 in a retracted position, said rod is provided with a shoulder 25 adapted to engage the end of the platform 5 when the rear end of the rod is lifted for this purpose. By depressing the rod at its rear end to disengage shoulder 25 from the rear edge of platform 5 the rod is released and moved forwardly by the reaction of spring 20 to push the pins 13 into locking position as above explained.

Referring to Fig. 3, it will be observed that the platform 5 is mounted upon and supported from sled runners 28 instead of being supported by springs 2 as in Fig. 1. The construction is otherwise the same as that above described.

It will be observed that my invention provides a convenient and simple means for detachably securing a carriage body to either the running gear of a wheeled vehicle or to a sled platform, it being merely necessary to set the basket or body upon the platform, whereupon the parts will be automatically locked together in a position for use. On the other hand, when it is desired to remove the basket or body, rod 25 may be pulled rearwardly and the basket lifted from the platform by means of a strap 29 which serves the double purpose of retaining an infant in the basket and of providing a handle to facilitate lifting the basket.

I claim:

1. The combination in a baby vehicle of a basket supporting platform having openings therein near its front and rear ends, a basket provided with a flat bottom having projections adapted to pass through the openings in the platform, locking pins mounted to slide along the under surface of the platform and adapted to socket in said projections, an

operating rod linked to said pins, said operating rod extending longitudinally along the under surface of the platform and projecting at the rear end thereof, a spring normally holding said operating rod with pins in locking position, and a stop limiting the forward movement of said rod under the tension of said spring.

2. The combination with a baby vehicle platform provided with openings, of a basket having a bottom adapted to fit the platform, projections on the basket adapted to enter the platform openings, locking pins carried by said platform and adapted to interlock with said projections, means for manually retracting said pins, said projections being tapered at their lower ends and adapted to automatically push the locking pins out of normal position while the projections are moving to pin-receiving position; said basket having a handle to facilitate lifting it from the platform when the pins are manually retracted.

In testimony whereof I affix my signature in the presence of two witnesses.

OTTO A. HENSEL.

Witnesses:
LEVERETT C. WHEELER,
L. F. HANNAN.

**Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."**