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CURB WHEEL ATTACHMENT FOR BABIES' SULKIES.

APPLICATION FILED OCT. 9, 1916.

1,226,848.

Patented May 22, 1917.

3 SHEETS—SHEET 1.

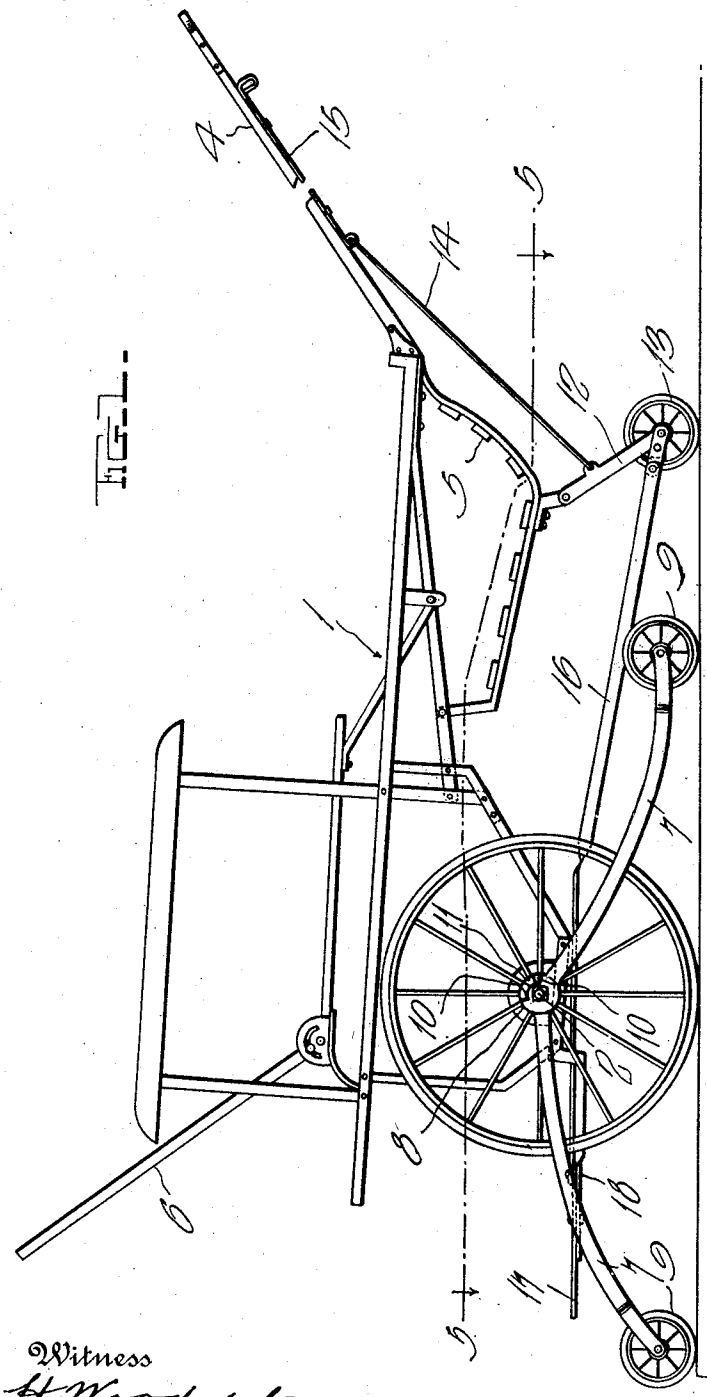


FIG. 1.

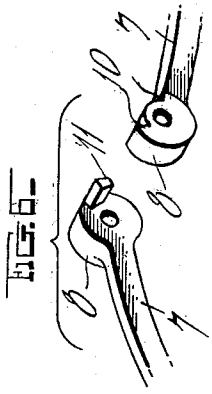


FIG. 6.

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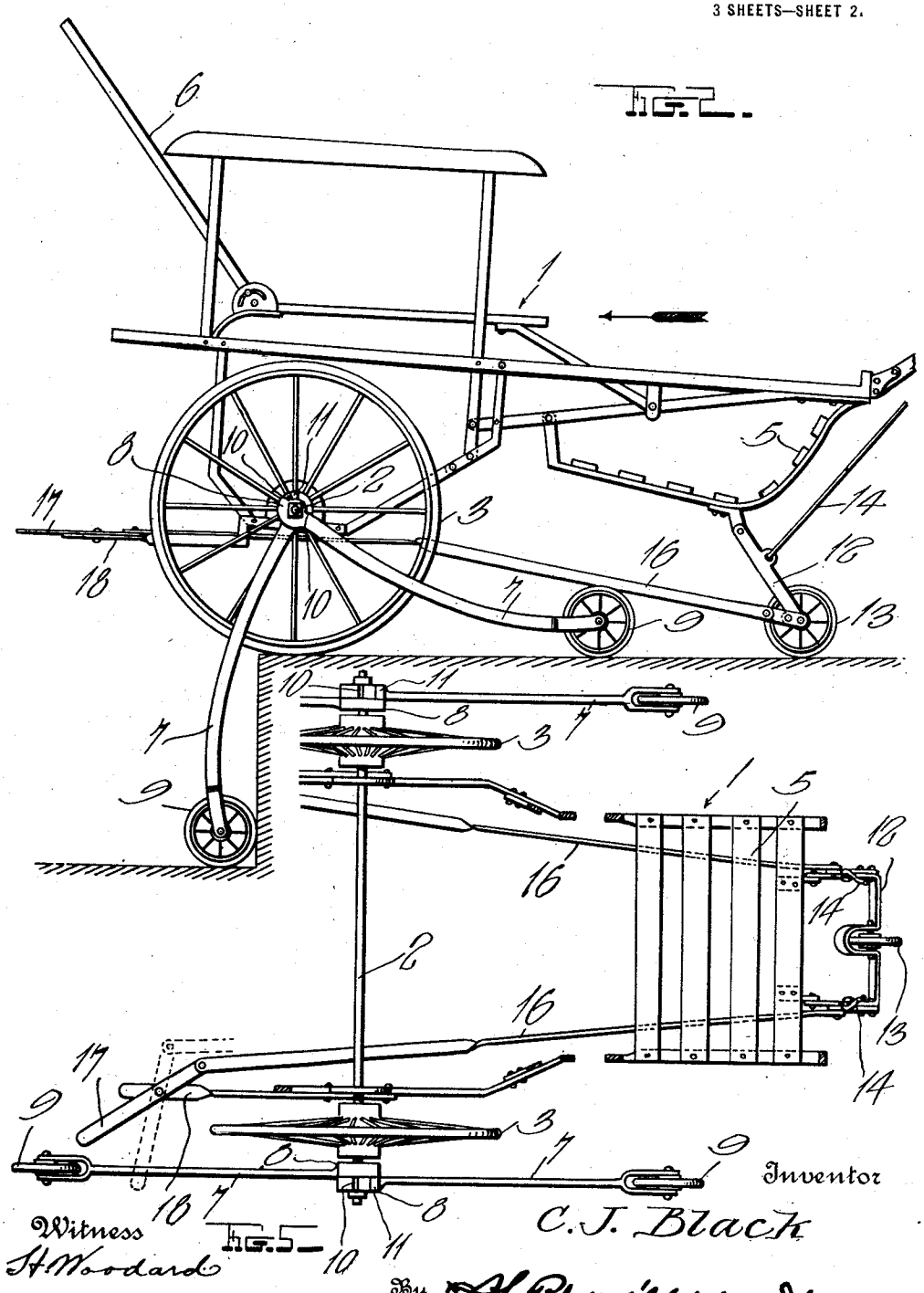
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3 SHEETS—SHEET 2.



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3 SHEETS—SHEET 3.

FIG. 4.

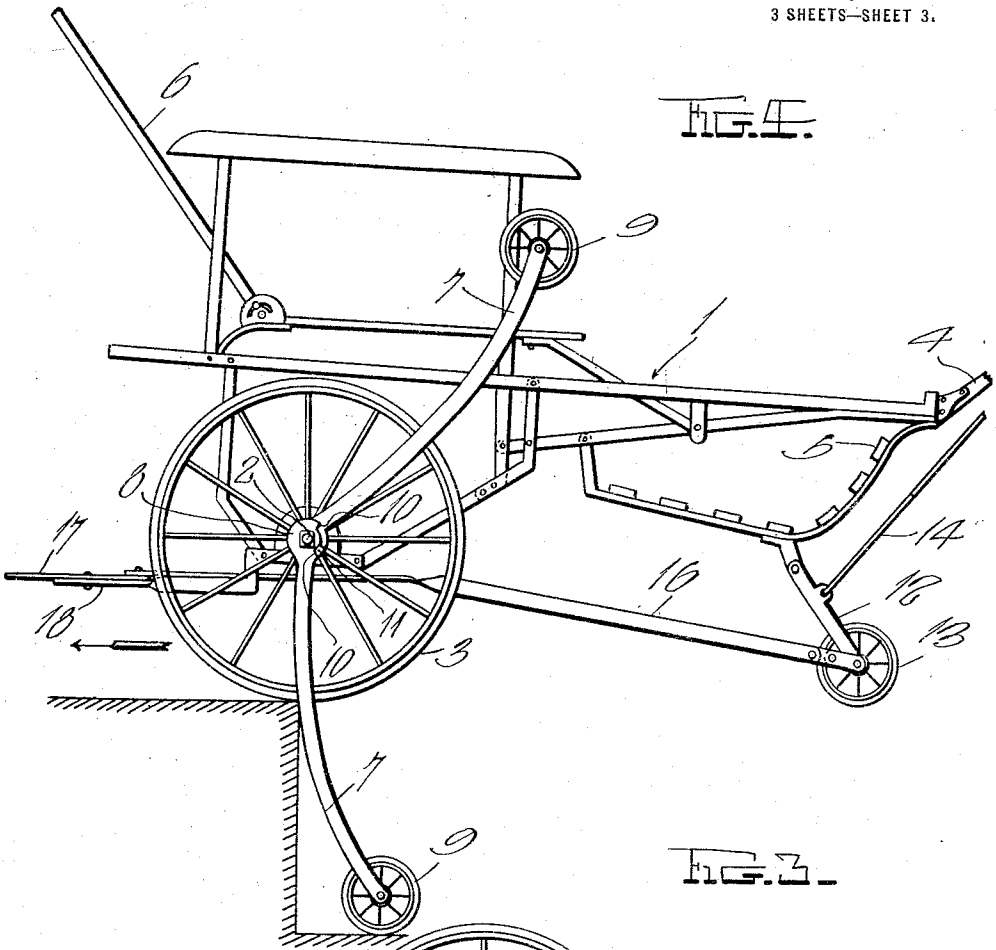
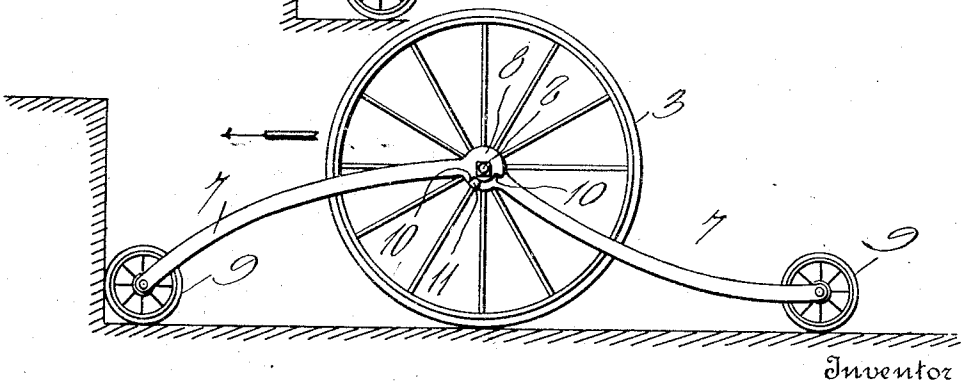


FIG. 3.



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UNITED STATES PATENT OFFICE.

CLARENCE J. BLACK, OF ARGENTA, ARKANSAS.

CURB-WHEEL ATTACHMENT FOR BABIES' SULKIES.

1,226,848. Specification of Letters Patent. Patented May 22, 1917.

Application filed October 9, 1916. Serial No. 124,584.

To all whom it may concern:

Be it known that I, CLARENCE JAMES BLACK, a citizen of the United States, residing at Argenta, in the county of Pulaski and State of Arkansas, have invented certain new and useful Improvements in Curb-Wheel Attachments for Babies' Sulkies; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has for its principal object to provide simple and efficient means whereby any of the well known types of baby sulkies may be easily pushed or pulled up and down curbings and the like.

Another object is to provide means for preventing tilting of the sulky so that the same may well be used to permit a child to sleep therein.

With the foregoing general objects in view, the invention resides in certain novel features of construction and in unique combinations of parts to be hereinafter fully described and claimed, the descriptive matter being supplemented by the accompanying drawings which constitute a part of this application and in which:—

Figure 1 is a side elevation of a baby's sulky showing the application of the improved curb wheel attachment thereto;

Fig. 2 is a view similar to Fig. 1, disclosing the manner in which the attachment assists in pushing the sulky down a curb;

Fig. 3 is a detail side elevation showing the positions of parts when the sulky has been pushed down a curb and is in readiness to be pushed up the curb on the other side of the street;

Fig. 4 is a side elevation showing the manner in which the improved sulky is pushed up a curb;

Fig. 5 is a horizontal section substantially on the plane of the line 5—5 of Fig. 1.

Fig. 6 is a detail perspective showing more particularly the meeting ends of the front and rear arms of the attachment.

Throughout the several views, the numeral 1 designates broadly a baby's sulky of any well known or suitable construction, being provided with the usual axle 2, wheels 3, tongue 4, foot rest 5, and adjustable back 6.

Front and rear suitably shaped arms 7 are provided on their inner ends with cylindrical heads 8 which are mounted rotatably on the ends of the axle 2, a pair of the arms 7 being provided at each side of the sulky. The outer ends of the arms 7 are provided with rollers or curb wheels 9 while the aforesaid heads are equipped respectively with a pair of stop shoulders 10 and a stop finger 11 having a limited amount of movement between said shoulders, the function of this arrangement being hereinafter fully described.

A vertically swinging frame 12 is pivotally connected with the foot rest 5 and is provided with one or more supporting rollers 13, said frame being connected by a rod or the like 14 with a slide 15 on the tongue 4, whereby the frame in question may be swung downwardly or upwardly at will with probably the assistance of one foot of the person handling the sulky. Links 16 are pivoted to and extend rearwardly from the frame 12 and as shown most clearly in Fig. 5 are pivoted to horizontally swinging stop members 17 in the form of levers fulcrumed between their ends to rigid arms 18 extending rearwardly from the frame 1. The free ends of the stop members 17 are adapted to be swung outwardly over the rearmost arms when both wheels or rollers 9 rest on the floor or the like so that rearward tilting of the sulky is prevented, thus permitting it to be used for a sleeping child when the back 6 is thrown rearwardly to the necessary extent.

At the same time the members 17 are swung outwardly the wheel 13 and frame 12 are adapted to prevent forward tilting of the sulky and the links 16 will cause said frame and members to be simultaneously operated when the slide 15 is properly shifted.

When pushing the sulky off a curb, what are then the front arms 7 will drop down said curb as shown in Fig. 2, the other arms or rather the rollers 9 thereof still traveling on the sidewalk. As the sulky is now pushed farther forward, the depending arms will serve to ease the device down the curb and at the same time the other arms will be moved upwardly and forwardly so that when the sulky runs on the pavement the parts assume the positions shown in Fig. 3. In pushing up the curb on the other side of the street, the arms 7 which were previously inactive serve as jacks to raise the sulky as shown in Fig. 4. As the device then travels along the sidewalk all parts will stand as shown in Fig. 1. The improved attach-

ments will also be of assistance when curbs are encountered while pulling the sulky rather than pushing the same.

From the foregoing, taken in connection with the accompanying drawings, the construction, manner of operation and advantages of the improved device will be readily understood but I wish to explain that although certain specific details have been shown and described for accomplishing probably the best results, numerous changes may be made within the scope of the invention as claimed without sacrificing the principal advantages thereof.

I claim:

1. The combination with a baby's sulky, of front and rear vertically movable arms on opposite sides thereof and hingedly connected for a limited amount of relative movement, said arms extending beyond the sulky wheels, and rollers on the outer ends of said arms.

2. The combination with a baby's sulky, of front and rear vertically movable arms on opposite sides thereof and hingedly connected, a pair of spaced stops on one arm of each pair, a third stop on the other arm thereof disposed between said pair of stops to permit a limited relative movement of the front and rear arms, said arms extending beyond the sulky wheels, and rollers on the outer ends of said arms.

3. The combination with a baby's sulky, front and rear vertically movable arms on opposite sides thereof, and rollers on the outer ends of said arms; of means for preventing tilting of the sulky in respect to said arms.

4. The combination with a baby's sulky, front and rear vertically movable arms on opposite sides thereof, and rollers on the outer ends of said arms; of one or more laterally swinging stop members carried by the sulky to swing over one or more of the arms to prevent tilting of the sulky in respect to said arms.

5. The combination with a baby's sulky, front and rear vertically movable arms on opposite sides thereof, and rollers on the outer ends of said arms; of a vertically swinging member carried by the front of the sulky and having a supporting wheel, one or more stop members carried by the sulky for overlying one or both of the rear arms to prevent rearward tilting of the sulky, and means operatively connecting said stop member with said vertically swinging member for applying the former when the latter is swung downwardly.

6. The combination with a baby's sulky, front and rear vertically movable arms on opposite sides thereof, and rollers on the outer ends of said arms; of a vertically swinging member carried by the front end of the sulky and having a supporting wheel, one or more laterally swinging stop members carried by said sulky to overlie the rear arm or arms to prevent rearward tilting of the sulky, and one or more links operatively connecting said vertically swinging member with said stop member or members for disposing the latter to operative position when the former is swung downwardly.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

CLARENCE J. BLACK.

Witnesses:
W. H. RAMSEY,
A. P. FINKEM.

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