May 2, 1950 E. R. FOSTER 2,505,855

TOY WHEEL MOUNT CONSTRUCTION

Original Filed April 14, 1944

Fig. 1.

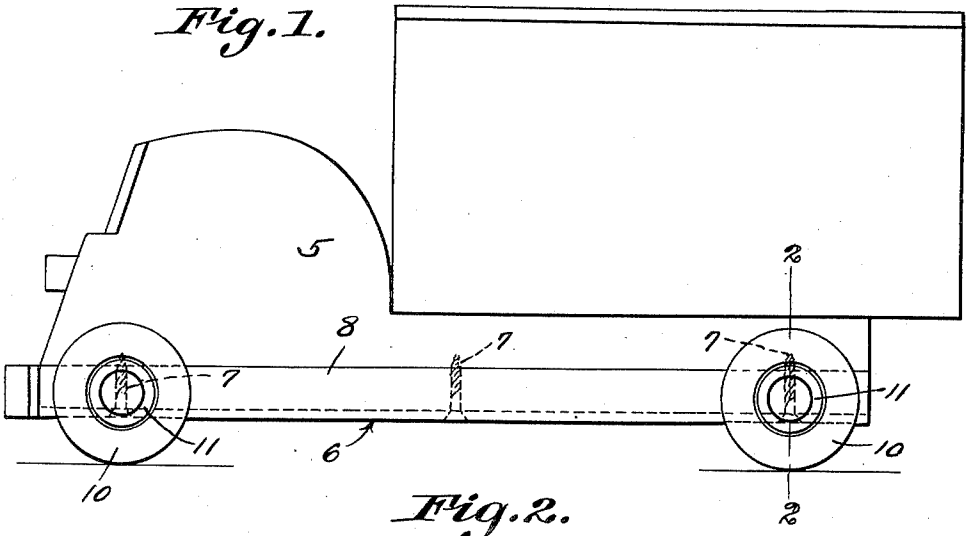


Fig. 2.

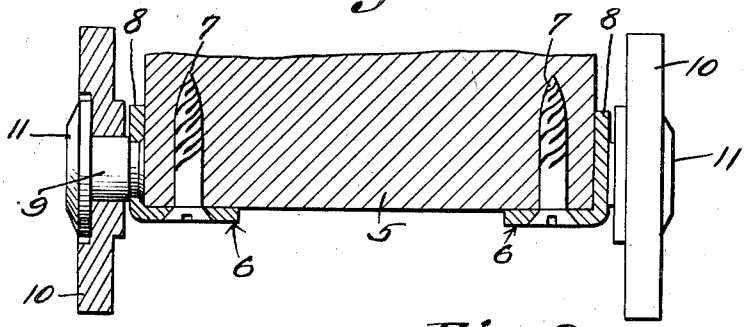


Fig. 3.

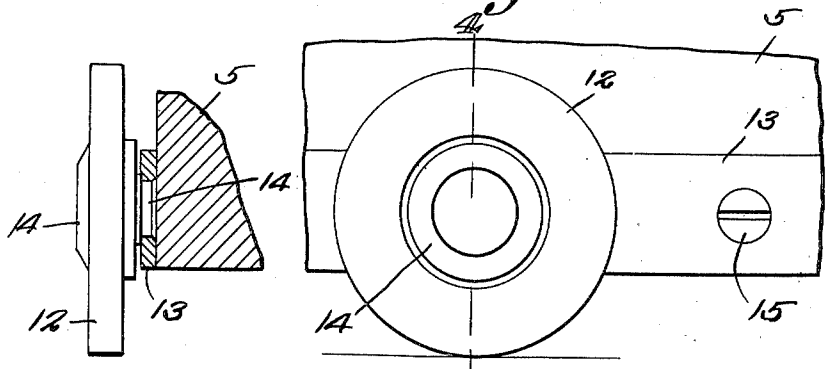


Fig. 4.

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TOY WHEEL MOUNT CONSTRUCTION

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Substituted for application Serial No. 531,078, filed April 14, 1944. This application filed February 11, 1947, Serial No. 727,787

1 Claim. (Cl. 46—221)

1

This application is a substitute for the abandoned application, Serial No. 531,078, filed April 14, 1944.

This invention relates to children's toys of the wheeled type, the primary object of the invention being to provide a wheeled toy which will be exceptionally strong and durable, to withstand the excessive strain, to which children's toys are subjected.

An important object of the invention is to provide a wheel mount for wheeled toys, which may be readily secured to toy wagon frames which are commonly constructed of wood or suitable plastic material.

A still further object of the invention is to provide a wheel construction of a type wherein the operation of the wheels will be exceptionally free.

With the foregoing and other objects in view which will appear as the description proceeds, the invention consists of certain novel details of construction and combinations of parts hereinafter more fully described and pointed out in the claim, it being understood that changes may be made in the construction and arrangement of parts without departing from the spirit of the invention as claimed.

Referring to the drawing:

Figure 1 is an elevational view of a wheeled toy constructed in accordance with the invention.

Figure 2 is a sectional view taken on line 2—2 of Figure 1.

Figure 3 is an elevational view of a modified form of the invention.

Figure 4 is a sectional view taken on line 4—4 of Figure 3.

Referring to the drawing in detail, the toy as illustrated comprises a body portion 5 which may be in the form of a block constructed to simulate a truck, tank or the like.

The wheel mount in this form of the invention, embodies angle bars 6 which are of lengths to extend throughout the length of the body portion 5, the angle bars 6 being fitted over the opposite lower longitudinal edges of the body portion 5, as clearly shown by Figure 2 of the drawing. Openings are formed in the lower flanges of the angle bars, and accommodate the securing screws 7, whereby the angle bars are securely held in position.

The vertical flanges 8 of the angle bars are formed with openings to receive the inner ends of the stub axles 9 that are formed with enlarged

2

bearing surfaces that are fitted in openings of the disk wheels 10. These stub axles 9 are formed with heads 11 that fit within recesses formed in the outer surfaces of the wheels, the heads being beveled, as shown by the drawing, to provide smooth edges.

In the form of the invention as shown by Figures 3 and 4 of the drawing, the wheels 12 are secured to the plates 13, by means of the headed stub axles 14 that extend through openings of the wheels 12, the inner reduced ends of the stub axles 14, being positioned in openings formed in the plates 13. The plates 13 are secured to the side edges of the body of the toy, by means of screws 15.

It might be further stated that the inner surfaces of the wheels 10 and 12, are formed with annular enlarged portions providing bearing surfaces to contact with the supporting angle bar or plate, reducing friction to the minimum.

When the inner ends of the stub axles are positioned within the openings of the angle bars or plates, they are flared to securely fasten the inner ends of the stub axles, within the openings.

After the axles and wheels have been secured to the angle bars or plates, the plates may be readily secured to any type of body portion in the construction of the wheeled toy.

What is claimed is:

In a wheeled toy, a body in the form of a block of rectangular construction, wheel mounts secured to opposite sides of said body, each wheel mount comprising an angle bar fitted over one edge of the body providing a vertical flange and a lower horizontal flange, said vertical flange having axle openings, formed therein, stub axles secured within the axle openings on which wheels are mounted, and said horizontal flanges having openings in which screws are positioned, securing the angle bar to the body.

EDWARD R. FOSTER.

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