Aug. 13, 1963 A. MAY 3,100,364

CONVERTIBLE PULL AND ROCKING TOY BASE

Filed March 27, 1961 2 Sheets-Sheet 1

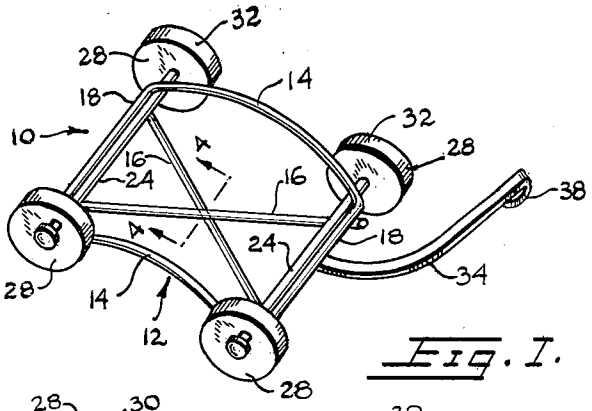


Fig. 1.

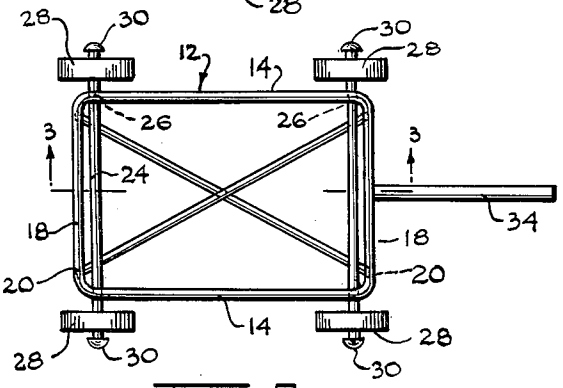


Fig. 2.

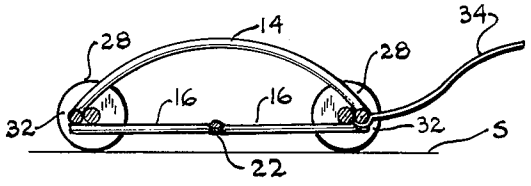


Fig. 3.

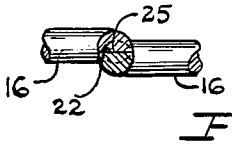


Fig. 4.

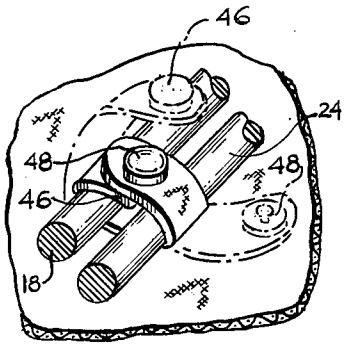


Fig. 7.

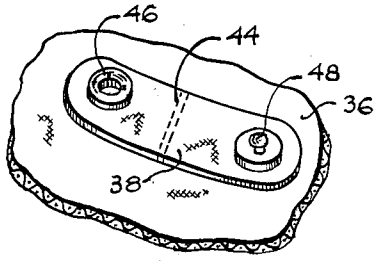


Fig. 8.

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CONVERTIBLE PULL AND ROCKING TOY BASE

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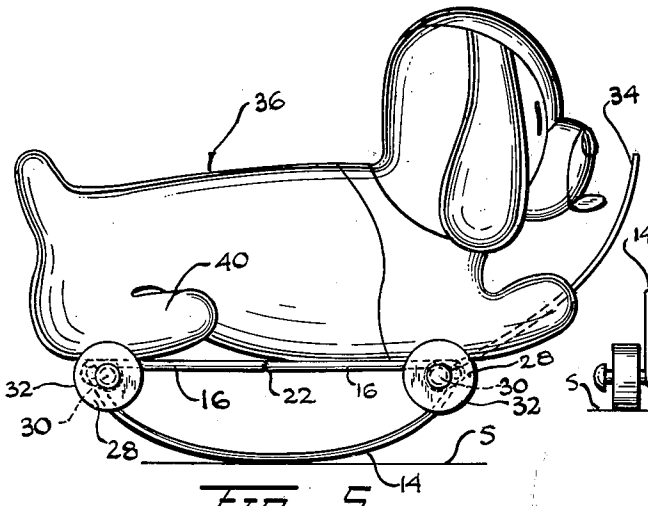


Fig. 5.

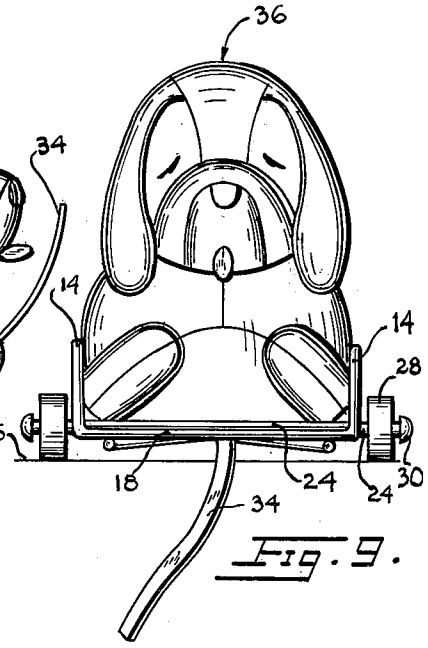


Fig. 9.

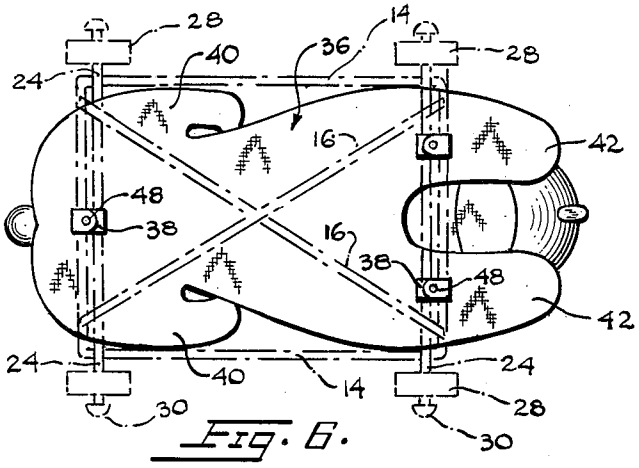


Fig. 6.

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United States Patent Office 3,100,364 Patented Aug. 13, 1963

3,100,364

CONVERTIBLE PULL AND ROCKING TOY BASE

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Filed Mar. 27, 1961, Ser. No. 98,462
1 Claim. (Cl. 46—103)

This invention relates to toys and more particularly to a vehicle or chassis for supporting a toy figure either rollable over a surface or rockable on said surface, as desired.

A principal object of the invention is to provide a toy with a convertible rock and pull toy supporting chassis adapted to be rolled over a supporting surface and/or rocked upon such a surface.

Another object of the invention is to provide a toy with a chassis adapted to support a toy figure, which chassis is provided with wheels for rolling the toy figure over a supporting surface and with rockers for rocking the toy figure on a supporting surface selectively.

A further object is to provide a rolling and/or rocking chassis for supporting a toy figure with means for pulling the chassis along a supporting surface.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

FIG. 1 is a top perspective view of a chassis embodying my invention.

FIG. 2 is a bottom plan view thereof.

FIG. 3 is a side elevational view thereof.

FIG. 4 is an enlarged detail view showing the weld connection between the brace bars.

FIG. 5 is a side elevational view of the chassis of FIG. 1 in inverted condition for rocking movement showing a toy figure supported thereon.

FIG. 6 is a bottom plan view of the parts shown in FIG. 5.

FIG. 7 is a bottom perspective view showing the means for fastening the toy figure onto the chassis, the fastening means shown in open position in dot-dash lines.

FIG. 8 is a bottom plan detail view showing the fastening means in open flatwise condition.

FIG. 9 is a front elevational view of the parts shown in FIG. 5, with the chassis supported on the wheels for rolling movement.

Referring now in detail to the drawings, in FIG. 1 a vehicle or chassis embodying the invention is shown and designated by the numeral **10**. The chassis **10** comprises a one-piece rectangular-shaped frame **12** formed of round metal bar, the long sides of which are slightly curved forming rockers **14**. A pair of bracing bars **16, 16** are crisscrossed with their ends welded to the ends **18, 18** of the frame adjacent the rockers **14** as indicated at **20**. The bracing bars are welded to each other at the point of crossing as indicated at **22**. At their point of crossing, the brace bars are countersunk as indicated at **25** in order to reduce the thickness of the joint.

An axle **24** extends across the frame at each end thereof and is welded to the adjacent ends of the rockers **14** as indicated at **26**. Wheels **28** are rollably mounted on the protruding ends of the axles **24** and are held thereon by nuts **30**. The curved rockers **14** protrude beyond the peripheries **32** of the wheels adjacent the middle and midway their ends as shown in FIG. 5. The wheels are shown as solid discs and may be formed of plastic, wood, or any other suitable material.

One end of an elongated flat plastic tape **34** is formed with a loop and fastened to one end of the frame. The

other end of the tape is preferably looped to provide a hand hold **38**.

The chassis as above described may be supported on its wheels **28** on a supporting surface S as shown in FIG. 3 or may be supported on the rockers **14** on the supporting surface S as shown in FIG. 5.

In use, a toy figure of a shape and size capable of sitting on the cross-braces **16** is placed on the braces. If it is desired to pull or roll the toy figure over the supporting surface, the chassis is placed on the supporting surface with its wheels engaging the surface as shown in FIGS. 3 and 9. The toy figure is placed on the crisscrossed braces **16** and axles **24** between the rockers **14, 14**. In this position, the chassis **10** and supported toy figure **36** may be pulled over the supporting surface by means of the tape **34**. The weight of the toy figure may be relied upon to hold the toy figure on the chassis without displacement, or any suitable means may be used for fastening the toy figure on the frame or axles or both.

In FIG. 5, a toy figure in the form of a toy doggie **36** is shown supported on the chassis **10**. The chassis is shown inverted with its rockers **14, 14** engaging the supporting surface S, and the wheels **28, 28** above the surface. The doggie **36** is shown supported on the cross braces **16, 16**. The doggie is shown fastened to the chassis by means of short elastic tapes **41**, one tape being secured to one end of the body of the doggie between his hind legs **40, 40** and a pair of spaced tapes **41** being secured to the bottom of the front legs **42, 42** of the body. The tapes are secured to the body of the doggie by means of stitching **44**, midway the ends thereof. One end of the tape has a female snap button **46** fastened thereto adapted to receive a male snap button **48** fastened to the other end thereof. The tapes are shown encircling or looped around the ends **18** and axles **24** with the snap buttons snapped onto each other, as best shown in FIG. 7. Of course, any other suitable means may be used to fasten the toy figure to the chassis or frame. With the toy figure supported as shown in FIG. 5, manual pressure exerted at either end of the toy figure will cause it to rock back and forth on the rockers **14, 14** as will be understood. A toy doggie is shown for illustration purposes merely and any other type of toy may be mounted on the chassis for either rocking or rolling as desired.

In FIG. 9, the toy doggie **36** is shown supported on the chassis **10** with the chassis supported on its wheels **28, 28** on the supporting surface S. The doggie is supported on the brace bars **16, 16** between the upwardly extending sides **14, 14** of the frame. The toy doggie is fastened to the chassis in the same manner as shown in FIG. 6. When the toy figure is thus supported, the toy figure and chassis may be pulled or rolled over the supporting surface S by means of the tape **34**.

While I have illustrated and described the preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and that various changes and modifications may be made within the scope of the invention as defined in the appended claim.

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

In combination, a rollable and rockable chassis, a toy figure, means for releasably fastening the toy figure on the chassis, said chassis comprising a rectangular skeleton frame, axles supported on the sides of the frame adjacent the ends of the frame, the ends of the axles protruding outwardly of the frame, wheels on the protruding ends of the axles adapted to engage a supporting surface for rolling the frame over the surface, the sides of the frame being

curved and extending beyond the peripheries of the wheels thereby constituting rockers for engaging a supporting surface for rocking the frame upon inversion of the frame, a pair of bars crisscrossed between the sides and ends of the frame and fastened at their ends to the ends of the frame for bracing the frame, said bars being countersunk at their point of crossing, and an elongated flat tape attached at one end to one end of the frame for rolling the chassis over a supporting surface, the means for fastening the toy figure on the chassis including short tapes secured to the toy figure midway the ends thereof, the remainder of the tapes being unattached, the unattached portions encircling the axles, a female snap button on one end of each tape and a male snap button on the other end of each tape for fastening the ends of the tapes to each other.

References Cited in the file of this patent

UNITED STATES PATENTS

288,662	Reed	Nov. 20, 1883
1,924,992	Jasper	Aug. 29, 1933
2,011,233	Persons	Aug. 13, 1935
2,760,799	Smith	Aug. 28, 1956

FOREIGN PATENTS

164,663	Australia	Aug. 18, 1955

OTHER REFERENCES

"Popular Mechanics," June 1959, page 129 cited.