Nov. 9, 1948. E. STAPAN 2,453,469

WHEELED FIGURE TOY

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Fig. 1.

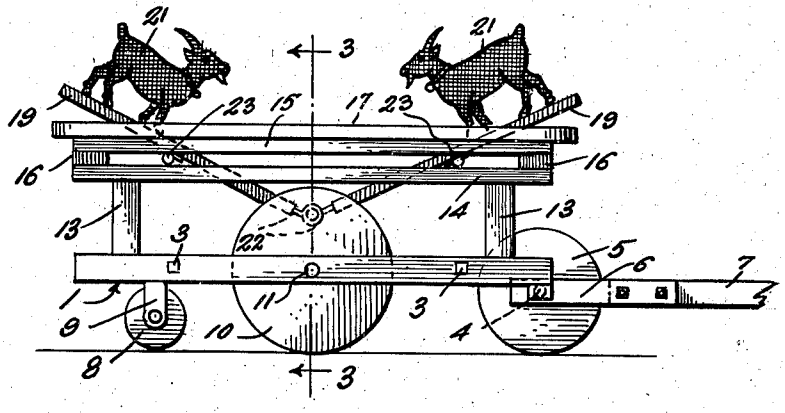


Fig. 2.

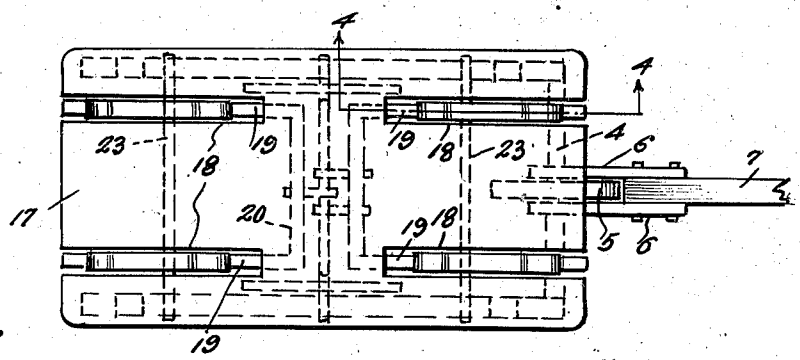


Fig. 3.

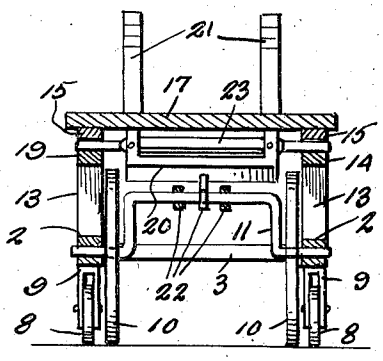
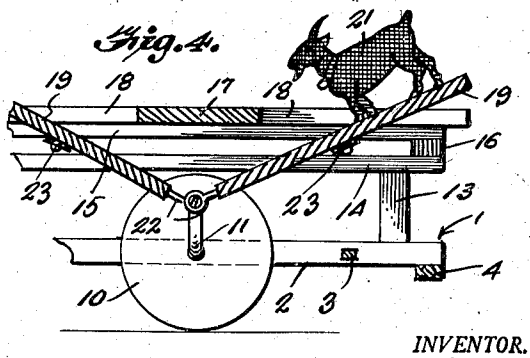


Fig. 4.



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Fig. 5.

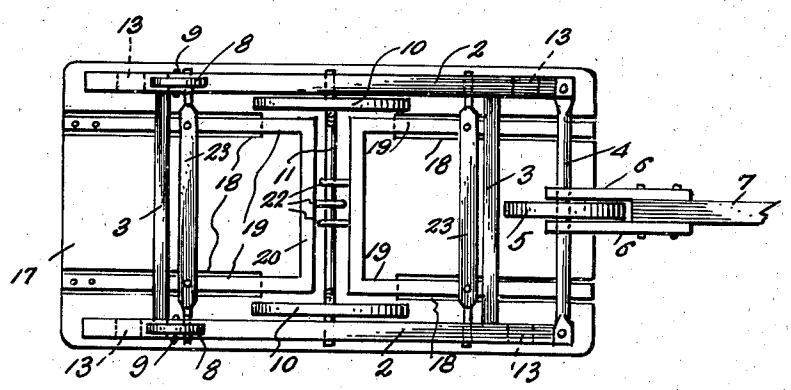


Fig. 6.

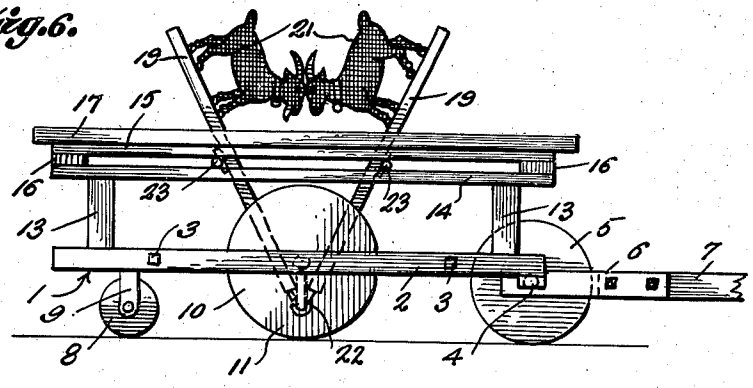
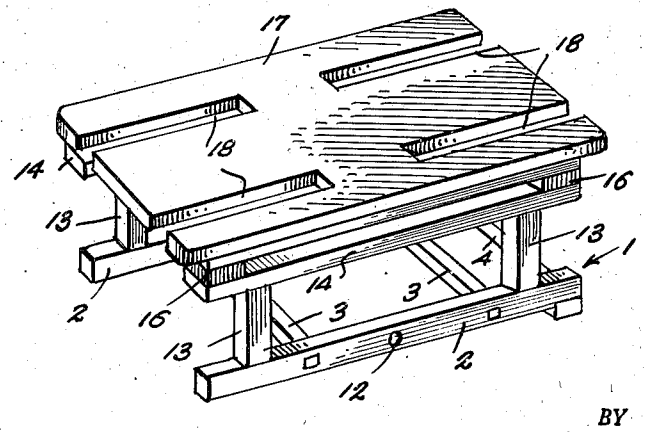


Fig. 7.



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Patented Nov. 9, 1948

2,453,469

UNITED STATES PATENT OFFICE

2,453,469

WHEELED FIGURE TOY

Elia Stapan, Chicago, Ill.

Application October 25, 1946, Serial No. 705,552

5 Claims. (Cl. 46—107)

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This invention relates to a wheeled figure toy for use by small children and it is one object of the invention to provide a toy adapted to be drawn or pushed along a floor or pavement and thereby cause objects constituting elements of the toy and representing goats or similar animals to be moved toward and away from each other as though they were butting each other.

Another object of the invention is to provide a toy wherein there is a carriage supported by wheels and over which is a platform formed with longitudinally extending slots through which bars pass, the bars being mounted for sliding and tilting movements and having their lower ends so connected with wheels of the carriage that as the wheels turn the bars will be moved in a manner causing the goats to be moved toward and away from each other in a very realistic representation of goats fighting.

Another object of the invention is to provide a toy of this character wherein the bars carrying the fighting goats are tiltably mounted by rods extending transversely of the platform under the same and rest upon supporting bars upon which they may have sliding and turning movements during movement of the bars to shift fighting animals toward and away from each other.

Another object of the invention is to provide a toy wherein tilting movement of the bars carrying the fighters is caused by a crank shaft carried by and turning with wheels of the carriage.

Another object of the invention is to provide a toy which is simple in construction, easy to operate, and not liable to be broken.

The invention is illustrated in the accompanying drawings wherein:

Fig. 1 is a side view of the improved toy.

Fig. 2 is a top plan view of the top.

Fig. 3 is a vertical sectional view taken transversely through the toy along the line 3—3 of Figure 1.

Fig. 4 is a fragmentary sectional view taken vertically along the line 4—4 of Figure 2.

Fig. 5 is a bottom plan view of the toy.

Fig. 6 is a side view showing the goats in butting contact with each other.

Fig. 7 is a perspective view of the body portion of the toy.

This toy is of the trundle type and has a body including a carriage or chassis 1 having side bars 2 between which extend cross bars 3. A front bar 4 is mounted between front ends of the side bars and constitutes an axle for a front wheel 5 and also a carrier for arms 6 which project forwardly and are secured against opposite side

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faces of a handle 7. Since the arms 6 fit loosely about the axle or bar 4 the handle may be tilted vertically to an angle allowing a child to readily grasp it and impart movement to the carriage. Rear wheels 8 are carried by brackets 9 secured to under faces of the side bars 2 and midway the length of the carriage there have been provided larger wheels 10 fixed to end portions of a crank shaft 11 which extends transversely of the carriage and at its ends is rotatably mounted through openings 12 formed through the side bars 2. Standards or posts 13 extend upwardly from front and rear end portions of the side bars and upon their upper ends are mounted bars 14. Upper bars 15 are mounted over the bars 14 and held in spaced relation to them by spacers 16 and the spaced bars 14 and 15 cooperate to form tracks which extend longitudinally of a platform 17 under side edge portions thereof. Slots 18 which extend longitudinally of the platform extend from front and rear ends thereof in spaced relation to opposite side edges of the platform and through these slots pass bars 19 having inner or lower ends connected by cross bars or bridging bars 20. The pair of bars 19 and the companion bar 20 forms a U-shaped carrier upon upper portions of the arms of which are mounted objects 21 which in the present illustration are goats but may be other animals or the like. The objects constitute fighters and are to be moved toward and away from each other during use of the toy. The cross bars or bridges 20 have been provided with screw eyes 22 through which the crank portion of the crank shaft 11 loosely passes. Therefore the carrriers will be held in downwardly converging relation to each other and as the crank shaft turns with the wheels 10 the carriers will be shifted vertically and moved longitudinally of the platform toward and away from each other. Guide bars 23 are mounted across the bars or arms of the carriers with their reduced ends extending between the bars 14 and 15 and slidably supported in the tracks formed by these bars. The guide bars not only slidably support the carriers for the objects 21 but also serve as pivots or fulcrums for the carriers and cause the carriers to have tilting movements as they shift longitudinally of the platform and the goats or equivalent animals will be moved into and out of butting engagement with each other as shown in Figures 1 and 6 during use of the toy.

Having thus described the invention, what is claimed is:

1. A toy comprising a frame, supporting wheels

for said frame, posts rising from the frame at the sides thereof, a platform supported upon said posts, upper and lower bars spaced vertically from each other and forming tracks extending longitudinally of the platform under side portions thereof, said platform being formed with slots leading from front and rear ends thereof, a crank shaft extending transversely of the frame and rotatably mounted midway the length thereof, driving wheels carried by end portions of said crank shaft, U-shaped carriers each having side bars extending vertically through the slots and connected at their lower ends by a bridging bar, said carriers converging downwardly and having their bridging bars provided with eyes loosely engaged about the crank of the crank shaft, guide bars mounted across the side bars of said carriers and having their ends fitting between the upper and lower bars of the tracks and mounting the carriers for sliding movement longitudinally of the platform and tilting movement toward and away from each other as they move longitudinally of the platform, and objects carried by the upper portion of the side bars of the carriers over the platform and moving into and out of butting engagement with each other as the crank shaft is rotated and the carriers moved.

2. A toy comprising a frame having supporting wheels and means for moving it forwardly and rearwardly, a platform supported over said frame and formed with longitudinally extending front and rear slots, longitudinally extending tracks under side portions of said platform, a crankshaft rotatably mounted transversely of said frame and adapted to be rotated during movements of the frame, carriers having side arms extending vertically through said slots and bridging bars connecting the lower ends of the side arms, eyes carried by the bridging bars and loosely engaged about the crank shaft for imparting movements to the carriers as the crank shaft turns, bars mounted across the arms of the carriers and having their ends slidably and pivotally engaged with the tracks and mounting the carriers for sliding movements longitudinally of the platform and tilting movement toward and away from each other during the sliding movements, and objects carried by the side arms of the carriers above the platform and moved into and out of butting engagement with each other by movements of the carriers.

3. A toy comprising a carriage, a platform over said carriage formed with longitudinally extending slots, tracks extending longitudinally under said platform, a crank shaft rotatably mounted transversely of the carriage and adapted to be rotated as the carriage is moved, carriers extending vertically through the slots and having their lower ends loosely connected with the crank shaft for imparting movements to the carriers as the crank shaft is rotated, guides carried by the carriers and slidably and pivotally engaged with the tracks to mount the carriers for sliding movement longitudinally of the slots and tilting movement toward and away from each other as they move longitudinally of the slots, and objects carried by portions of the carriers above the platform moved toward and away from each other by movements of the carriers.

4. A toy including a platform formed with longitudinally extending slots, a crank shaft rotatably mounted under the platform, carriers extending vertically through the slots and having lower ends loosely connected with the crank shaft whereby the carriers will be moved during rotation of the crank shaft, tracks extending longitudinally of the platform, guides carried by the carriers and slidably and pivotally engaged with the tracks to mount the carriers for sliding movement longitudinally of the slots and tilting movement toward and away from each other, and objects carried by the carriers above the platform and moved into and out of butting engagement with each other by movements of the carriers.

5. A toy comprising a platform formed with longitudinally extending slots, tracks extending longitudinally of the platform, carriers extending vertically through the slots and converging downwardly, guides carried by the carriers and engaged with the tracks to mount the carriers for sliding movements longitudinally of the slots and tilting movements towards and away from each other during their sliding movements, rotary drive means under the platform connected with the lower ends of the carriers and imparting movement to them when rotated, and objects carried by the carriers above the platform and moved toward and away from each other by movements of the carriers.

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No references cited.