

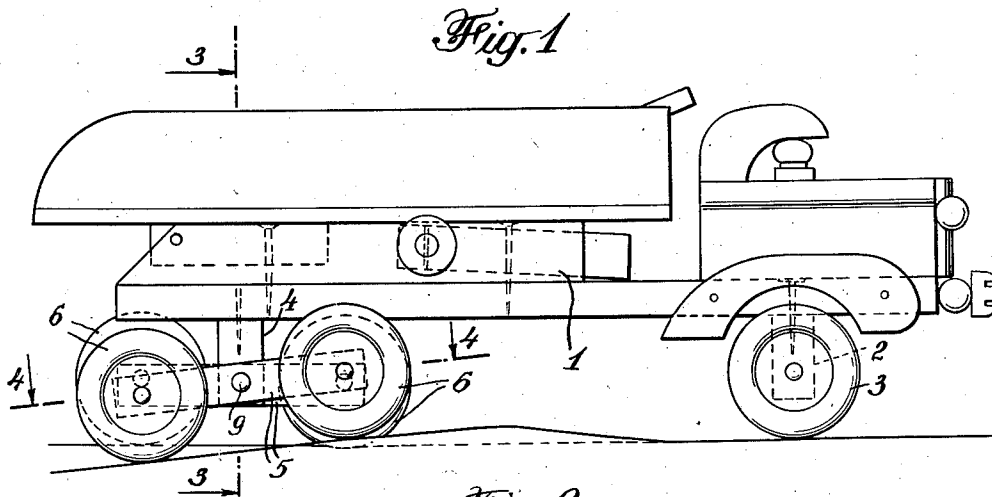
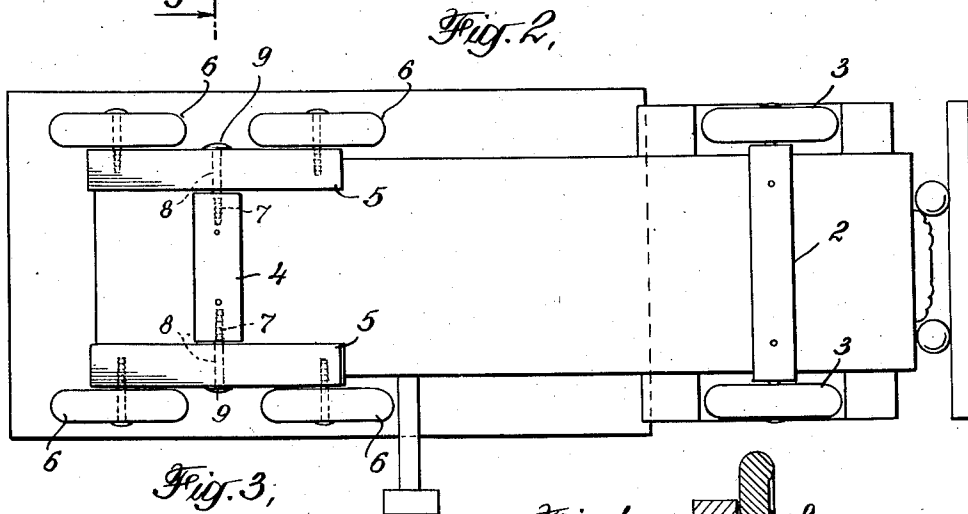
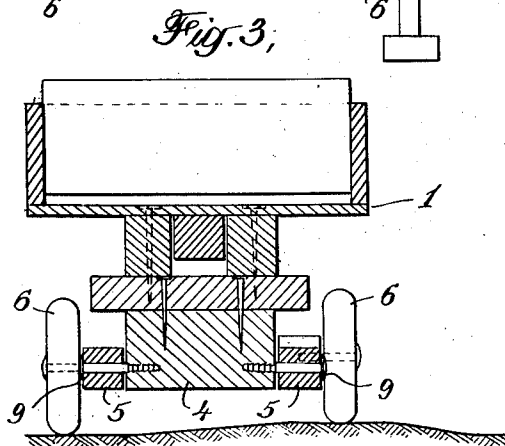
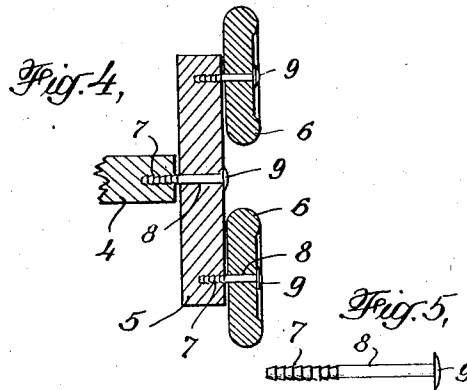
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TOY

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TOY

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2 Claims. (Cl. 46—201)

My invention relates to an improvement in pull toys and my object is to provide a toy truck or van with tandem rear wheels mounted on bogies to simulate the dual action of such drive wheels used on large overland hauling vans. I attain this object by mounting the wheels of each bogie on transverse parallel axles, one at each end of a longitudinal side block which is pivotally mounted at its center to the end of a transverse block constituting the rear axle of the truck. The centers of the wheels of each bogie are spaced apart a distance roughly equal to three times a radius. The result is that when the pull toy is hauled across rough terrain, all wheels are constantly in contact with the ground, or approximately so, thereby simulating perfect traction and drive.

In the accompanying drawing I have illustrated a preferred embodiment of my invention. In the drawing,

Figure 1 is a side elevation of a toy truck embodying my invention showing the right bogie passing over rough terrain,

Figure 2 is a bottom view of the truck shown in Figure 1,

Figure 3 is a transverse section taken along line 3—3 of Figure 1,

Figure 4 is a longitudinal section through the wheels of one bogie, their supporting block and axle, and

Figure 5 is a detail view of a corrugated nail on which the wheels and bogies are mounted.

In the drawing, 1 represents the body of the truck, which can be made in any approved fashion and of itself forms no part of my invention. A transverse block 2 at the forward end of the body constitutes the front axle on which the front wheels 3 are mounted. A second transverse block 4, shorter than the first, is fixed to the underside of the body near the rear end and constitutes the rear axle. Longitudinal bogies 5 are pivoted at their centers, one at each end of the rear axle block 4, and on these are mounted the rear wheels 6, one wheel near each end of each block 5. As shown, the centers of the rear wheels 6 are spaced apart approximately the length of three radii, but this distance may, of course, be varied.

In mounting the bogies 5 on the rear axle block 4 and the various wheels on their respective blocks, I employ corrugated drive nails, of which a specimen is shown in Figure 5. Each has a corrugated section 7 which bites securely into the wood of the axle blocks and the bogies and cannot easily be withdrawn, and a smooth shank 8, between the corrugated section 7 and the head 9, which serves admirably as a spindle.

It will be apparent from the foregoing, and particularly from a study of Figures 1 and 3, that as the toy is drawn over rough ground the tandem rear wheels adjust their positions and conform as nearly as may be to the undulations of the terrain, thus simulating the knee action of tandem drive vehicles.

I claim:

1. A pull toy comprising a body, a front axle block secured to the bottom of the body adjacent the front thereof, nails having portions protruding from the ends of said block, wheels rotatably mounted on said nails, a rear axle block secured to the bottom of the body adjacent the rear thereof, nails having portions protruding from the ends of the rear axle block, a bogie pivotally mounted on each of the nails protruding from the rear axle block, a nail having a portion protruding outwardly from each end portion of each bogie, and a wheel rotatably mounted on each of said last-mentioned nails.

2. A pull toy comprising a body, a front axle block secured to the bottom of the body adjacent the front thereof, nails having portions protruding from the ends of said block, wheels rotatably mounted on said nails, a rear axle block secured to the bottom of the body adjacent the rear thereof, said rear axle block being shorter than the front axle block, nails having portions protruding from the ends of the rear axle block, a bogie pivotally mounted on each of the nails protruding from the rear axle block, a nail having a portion protruding outwardly from each end portion of each bogie, and a wheel rotatably mounted on each of said last-mentioned nails, said last-named wheels being in alignment with said front wheels.

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