

***Lawn Tractor and
Barrel Train Construction
Notes and Photographs***



Photo 01

Photo 01 is an overview of the barrel train which consists (in this photo) of a lawn tractor pulling eight barrel cars. Note that the passenger cars are constructed strong enough that there are two adults riding in the cars with their children.

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Photo 02



Photo 02a

Photo 02 is a view from the right side of the FIRST car in the train. You will note that the differences between this car and any other in the train are the length of the tongue where it attaches to the tractor, and the construction of the tongue. Photo 02a is a close up view of the tongue construction. The differences are required to allow for the turning radius of the tractor while pulling the train. Note that the two carriage bolt heads visible are holding the passenger seat bracket to the side wall of the car. This photo also shows how the passenger compartment is cut out of the barrel on the right side.

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Photo 03

Photo 03 is a view of the tongue area of all other passenger cars in the train. The same photo shows some detail regarding how the ball is welded to the rear of all passenger cars.

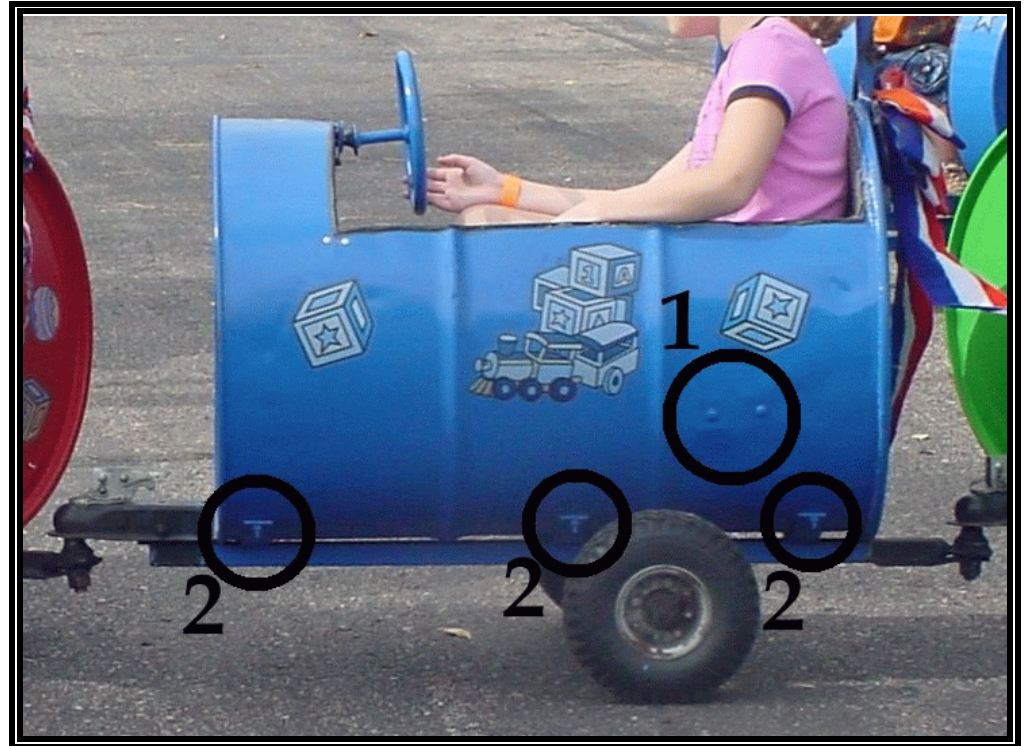


Photo 04

Photo 04 is a view of the left side of a passenger car. Note the passenger seat bracket bolts (1) located horizontally and directly under the passenger. Also note the three straps (2) which are welded to the chassis and bolted to the barrel, providing a secure connection between the chassis and the passenger compartment.

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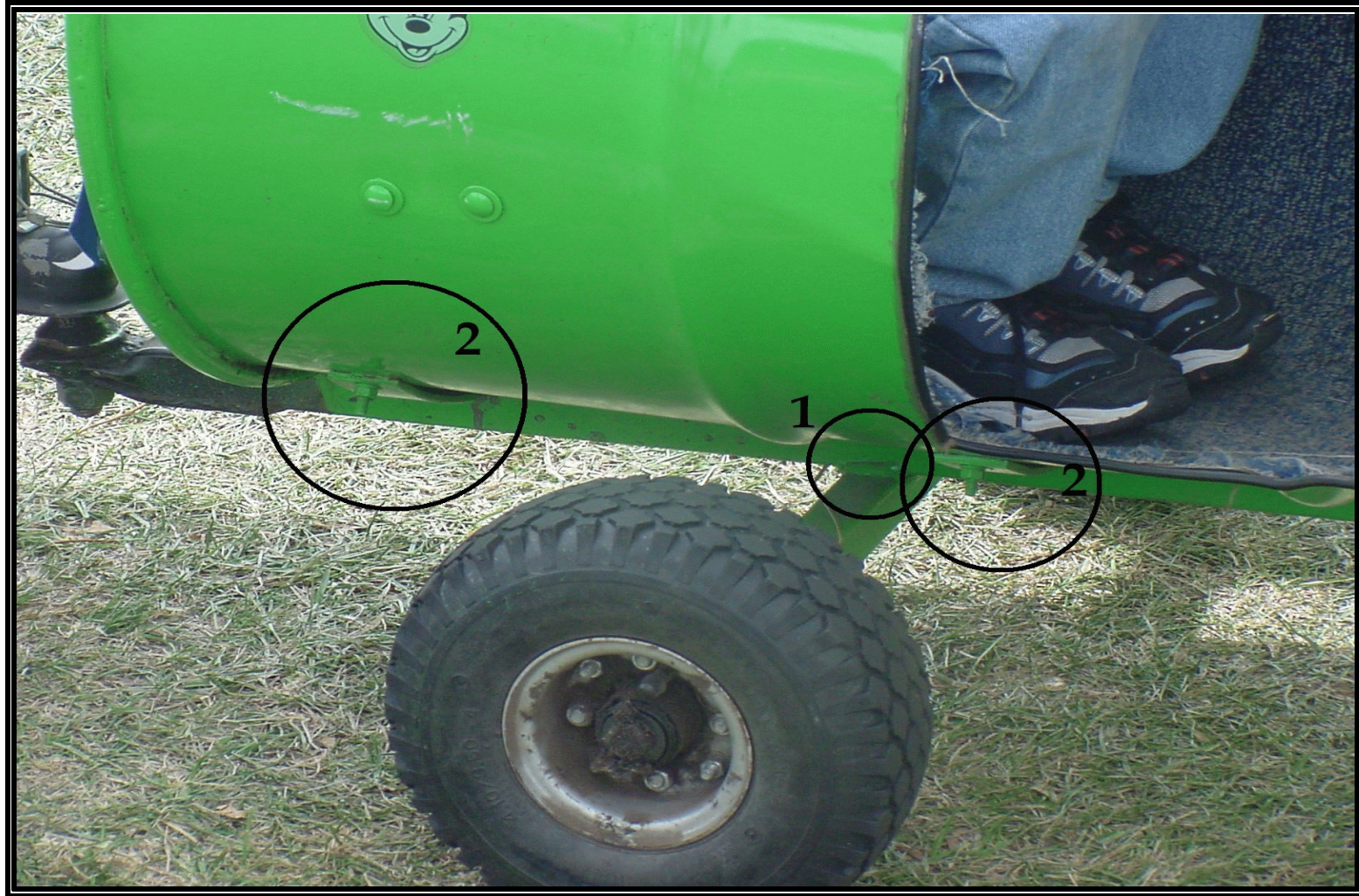


Photo 05

Photo 05 details the weld (1) that holds the axle housing securely to the square steel tube which goes from front to rear of the entire passenger car. It also shows detail of two of the three steel straps (2) which are bolted to the passenger compartment, maintaining stabilization of the car.

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Photo 06

Photo 06 details carriage bolts at both the base of the barrel and the top, connecting the flagstaff tube at the rear of the car into which flags and/or decorations can be placed.

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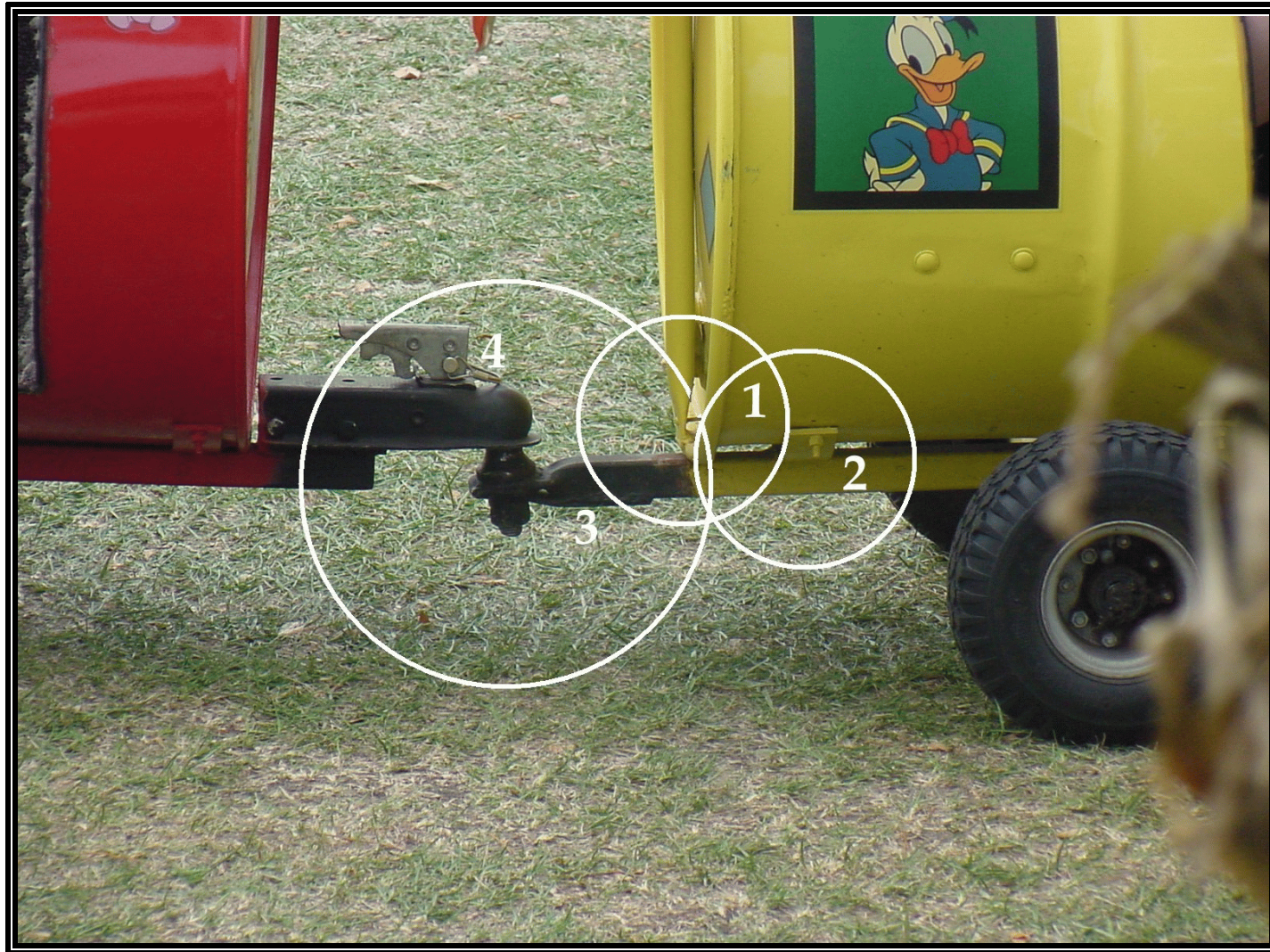


Photo 07

Photo 07 shows in detail the following: 1) the connection at lower end of the flagstaff where it is bolted to the rear panel of the barrel, 2) the barrel retaining band weld at the chassis and how that band is bolted to the barrel, 3) the rear ball hitch detail, and finally 4) detail regarding the front towing coupler and how it is attached to the chassis.

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Photo 08

Photo 08 shows detail regarding the steering wheel installation. Note that when the passenger compartment is cut into the barrel a tab is left remaining at the 12 o'clock position which is bent down and center drilled, creating a bolt hole into which the steering wheel is attached. Note how the steering wheel is braced to the front panel of the compartment AFTER carpeting has been installed and sealed into place. Note that the entire passenger compartment is carpeted and there are no metal surfaces exposed. Note that the entire opening into the passenger compartment which was created when the barrel was cut away is protected by tubular insulation which has been cut long-wise and permanently sealed into place around the entire opening.



Photo 09

Photo 09 shows further detail of interior carpeting and also attachment of the steering wheel brace to the front panel of the barrel from inside the compartment.

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Photo 10

Photo 10 shows the passenger seat, an external view of the seat bracket bolts and also the bungee cord used as a seat belt.

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Photo 11

Photo 11 was taken from the rear and to the side of the Tow Platform Package which is to be created and installed on the Lawn Tractor. Note the long tube which is welded in the center of the platform, into which a large umbrella can be inserted for protection of the “engineer” from the sun during operation of the barrel train.

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Photo 12

Photo 12 is another view of the Tow Platform Package as it is installed on the Lawn Tractor.