The drag-shoe was designed to be used as a supplemental brake on a wagon when descending steep inclines. It was made of iron or steel, contoured to the circumference of the wheel so that it fit fairly snug under the bottom of a rear wheel to prevent the wheel from turning, thus acting as a complete drag.

It would be a little wider than the rear wheel tread on which it was being used and have two guides up its sides to prevent its slipping off the wheel and be held by a chain. When not in use, the chain would be used to hold it up on the side of the wagon, out of the way until needed,

It is simple to model and adds an important detail to a wagon. It is best made of sheet tin or brass, soldered together.

First cut a strip of tin, slightly wider than the wheel tread width, about two scale feet long: 1 1/4" in half inch scale, which would actually be slightly over scale. Shape one end to a blunt point. Then cut two pieces to be used for guides, and these would be about 3 1/2" long in half inch scale, shape these two pieces to a blunt point, like one end of the first piece. Then shape them into a U and solder equidistant from each end of the first piece, about a 1/4 inch from each end. Then bend the entire unit to the shape of the wheel. Drill a small hole for a small wire ring to which a length of chain is fastened, long enough to reach from the floor of the wagon to hold the drag-shoe in exact center of the wheel when it is on the ground, Another ring is made for the other end of the chain and this is fastened permanently to the underfloor of the wagon. A hook is made nearby and the drag-shoe is suspended by the chain from this hook.
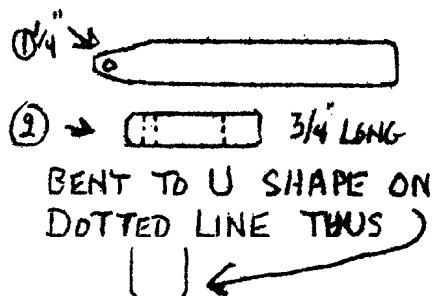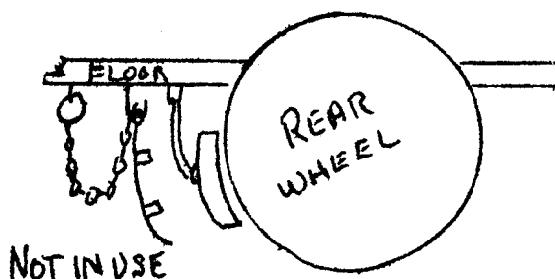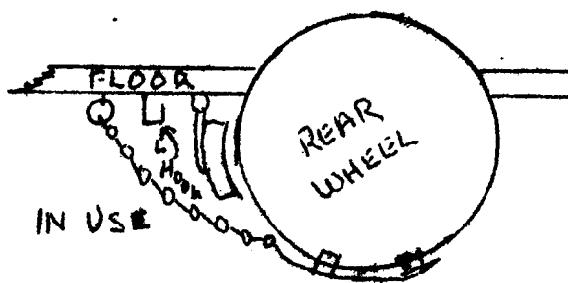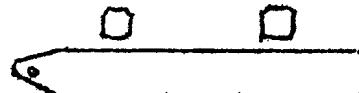
Drag Shoes			
DATE: None	SCALE: 1None'	SCANNED & REVISED: 04/10/02	Pg 1 of 1
Circus Model Builders			
Drawn By Unknown			DRAWING NUMBER #0045