Fluid Power Projects and Applications

Ernie Parker CFPAI CFPCC CFPMIH CFPMMH CFPMIP, Ernie taught at Hennepin Community College and has over 45 years of experience in the fluid power industry. Ernie was recognized by the International Fluid Power Society and inducted into the inaugural class of the IFPS Hall of Fame for his achievements and contributions to the industry. Ernie has a wealth of knowledge of fluid power and has shared some of his projects with NFPA to help inspire students to design and build their own projects.



45 HP 4 Wheeler



45 HP Loader



Zero Turn Lawnmower



Zero Turn Forklift



Log Splitter



Load Sensing Generator



Hydraulic Golf Putter



Bumper Car



Bumper Car



Bumper Car



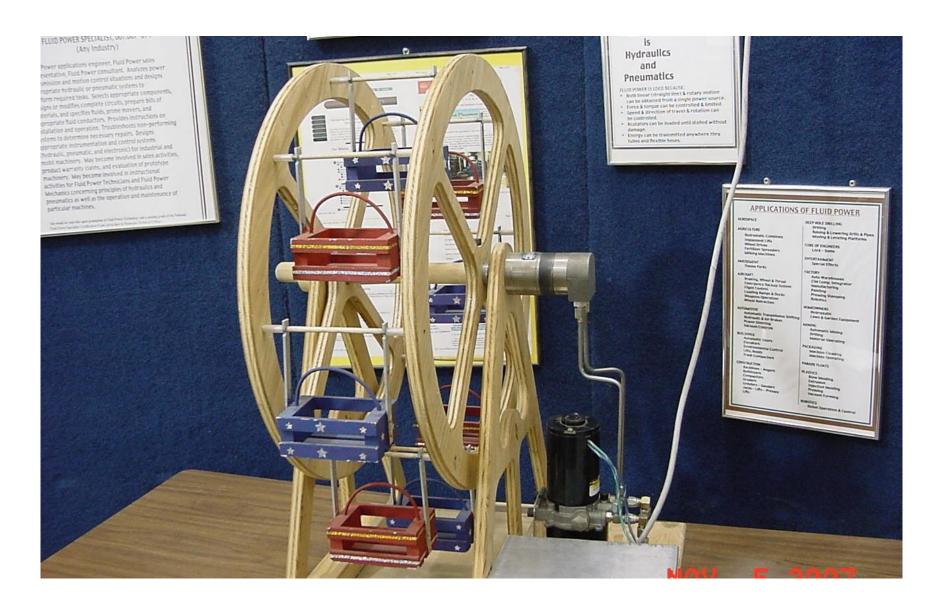
Airport Tower



Train



Ferris Wheel



Water Craft



Water Craft



Water Craft



27 MPH 3 Wheeler



Semi Truck





Semi Truck



Frame Tube Bender



Teardrop Campers



Remote Control Lawnmower



Off Road Bike



Off Road Bike



Highway 3 Wheeler



Highway 3 Wheeler



Hydrostatic 3 Wheeler



Hydrostatic 3 Wheeler



Hybrid 3 Wheeler



> 100 MPG



Rock Climber



Leaning 3 Wheeler



Mud Jacking



Helicopter



Helicopter



Hydrostatic Motorcycle



Hydrostatic Motorcycle





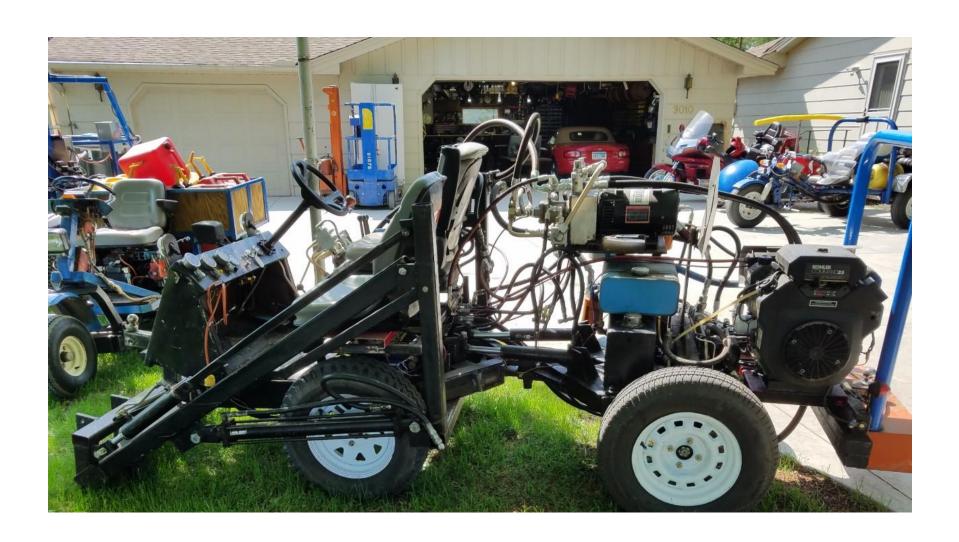




Working 3 Wheeler



4 Wheeler



4 Wheeler



Aerial Lift



Aerial Lift



Press





20 HP Go Kart



Go Kart



Hydro-Electric Train



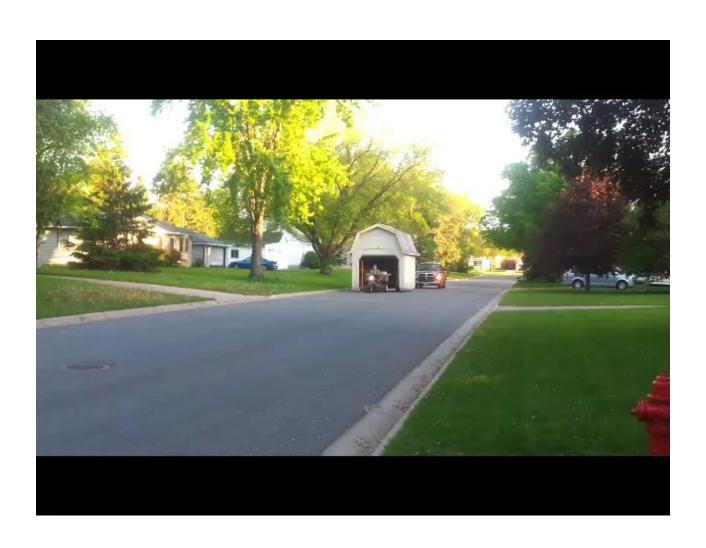
French Fry Maker



Pneumatic French Fry Maker



Moving a Mini Barn



Remote Control Boat



My Snowblower 50 HP



Snowblower



Skid Steer Loader



Self Propel Wagon



Winch



Dune Buggy



UTV



UTV Dumping



Leaning 3 Wheeler



Go-kart



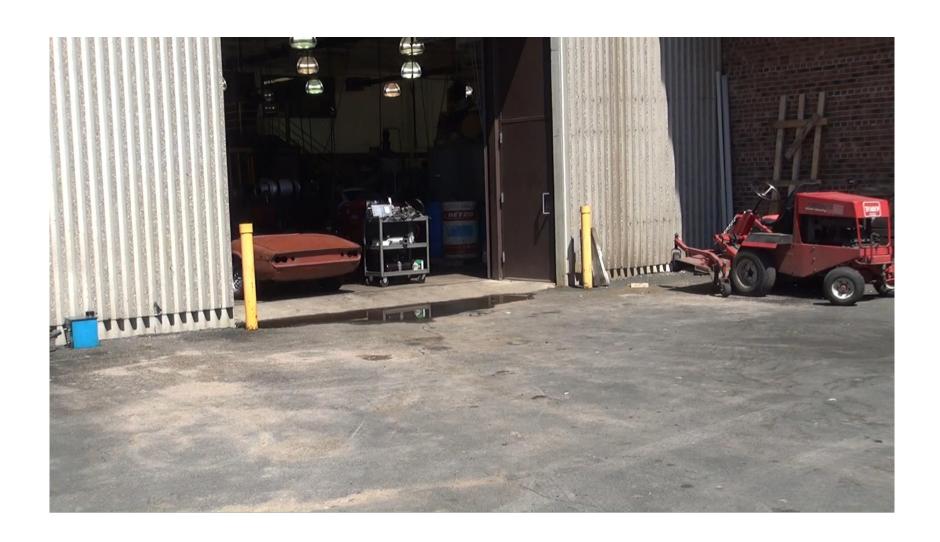
Self Propelled Trailer



Whac-A-Mole Game



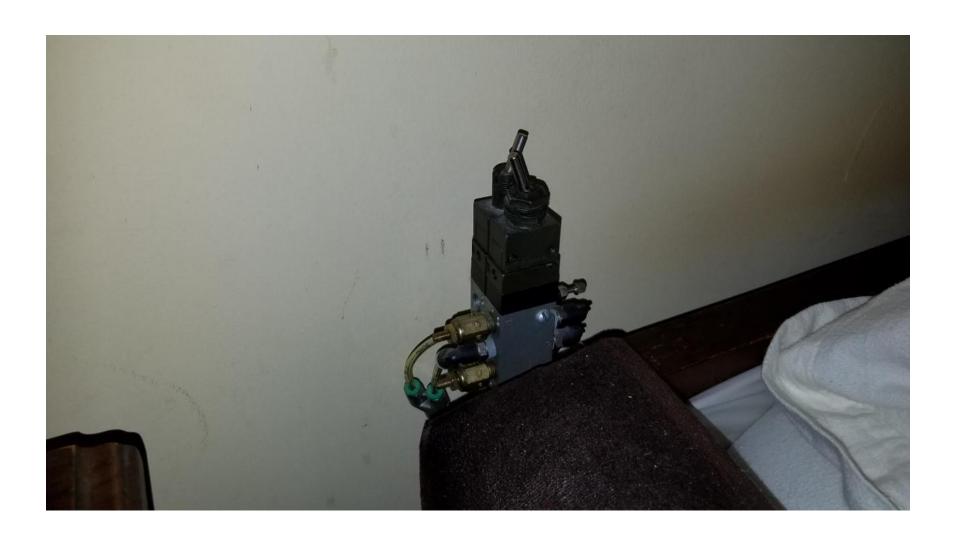
25 HP Car



Mud Boat



Blinds

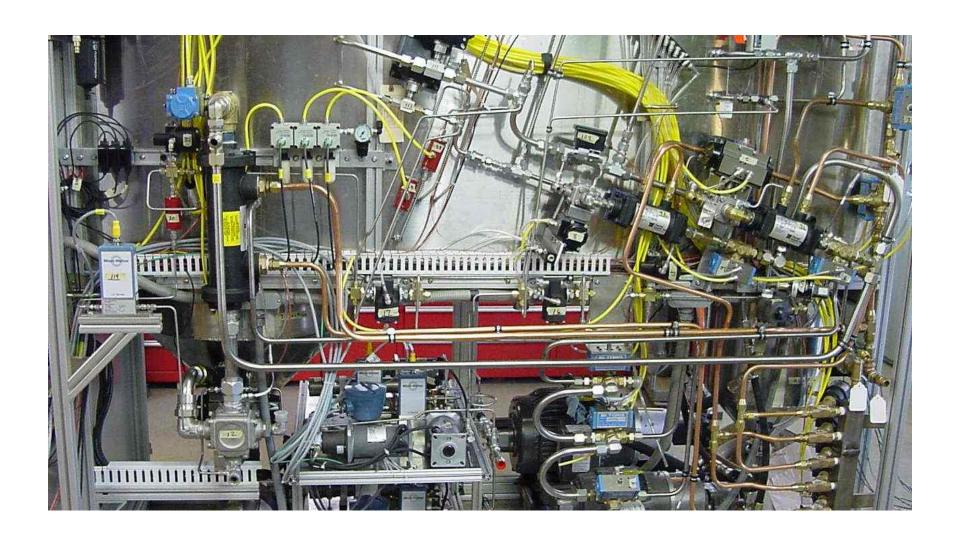




Multi Pass Test Bench



Multi Pass Test Bench



Multi Pass





Questions?

