



GateMaster I in use

GateMaster Hopper Car Gate Opener

GateMaster I

The **GateMaster** is a compact, simple-to-use manual tool for hard-to-open car gates. Through single gear reduction in the **GateMaster** head, the worker's handle effort is multiplied 18½ times - a considerable mechanical advantage. A maximum torque output of 3,200 ft.-lbs. can be achieved by only 173 lbs. of handle effort. By comparison, the same effort on a 6 ft. pry bar would only produce about 1,000 ft.-lbs. of torque. There is no loss of effort when using the **GateMaster**. The output torque is sustained until the gate opens or the operator releases the torque. Weight 30 lbs.

#4020-05 GateMaster I Assembly



GateMaster II

Adding an "assistant" torquing unit to the **GateMaster** greatly reduces input handle effort needed to achieve full 3,200 ft.-lbs. output. Less worker fatigue results. Weight 35 lbs.

The "assistant" unit's ½ in. square drive mates with the main **GateMaster** unit.

Only 35 lbs. of input effort is needed on handle.

#4020-06 GateMaster II Assembly



open hopper car gates with your own power equipment Square Drive Fittings for Air Wrenches

1½ in. to 1¼ in. stepped end.
Length 5 in. Weight 5 lbs.
2,000 ft./lbs. maximum torque.

4024-06	AL-94	1 in. sq. drive
4024-07	AL-116	1½ in. sq. drive

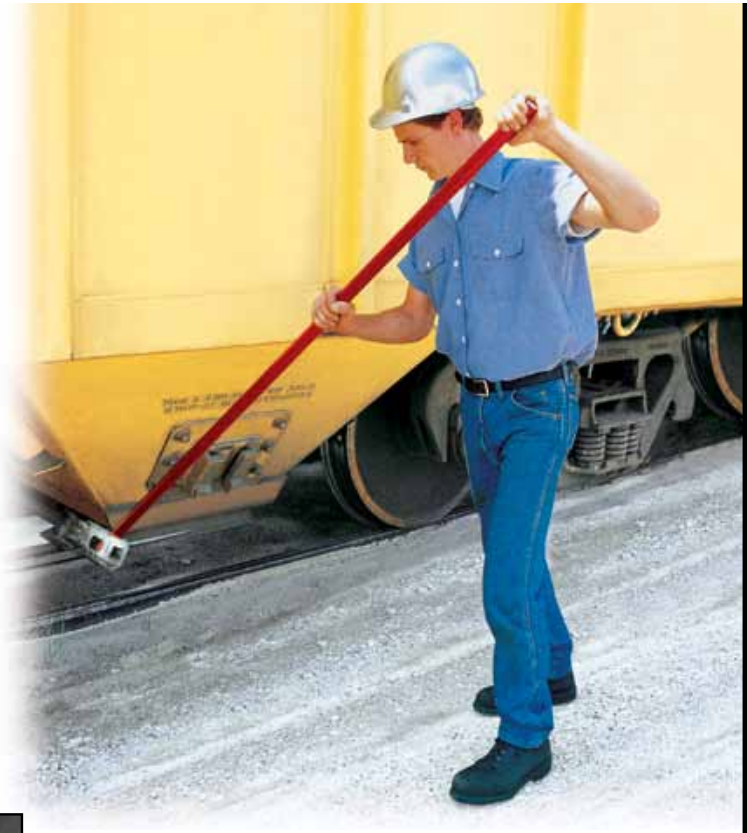
Hopper Car Gate Openers

Covered Hopper Cars

Turning Bar for Sliding Gates

Six feet long and made of 1 3/8" dia. stress-proof steel, with an angle at one end to clear the side of car. Operator should not jump or stand on the bar.

#4020-03 Weight 30 Lbs.



Open Top Hopper Cars

Pry Bar for Swing or Drop Doors



Lightweight
High-Strength
Less fatiguing to use

Weighing only 13 lbs., the five foot pry bar gives the worker good leverage to swing and lift heavy car doors. Lower section of bar is made of heat treated alloy steel, machined to a narrow wedge end for working into a variety of sockets and forcing stubborn door locks.

4020-12 ... 5 foot 13 lbs.

4020-15 ... 3 foot 11 lbs.

Use 5 foot bar



Wine Gate Lock

Since these car doors span the width of the car body two workers with pry bars are needed — one on each side of the car — working in tandem to open and close the doors.



Miner Type D Lock

Use 3 foot bar



Cam-Action Dual Toggle Lock

(also recommended for Enterprise-type locks.)

Working with Rail Cars — Loading / Unloading Hopper Cars

Air-Powered Gate Openers for Hopper Cars

High Impact for Corrosive and Sticky Materials

Workmaster

Workmaster produces up to 13,000 ft.-lbs. of energy at 85 psi, 114 cfm with 1 in. air hose. Rubber tires can be flipped sideways to move the **Workmaster** from gate to gate. Self-closing lever throttle, wheel pivot and forward-reverse controls are all grouped together. Needs 6 ft. of space between side of car and wall. All fittings and controls provided.

4120-04 Weight 318 lbs.





GATE-JACK Air Powered Opener

For opening cars carrying dry, granular, free-flowing materials. The **Gate-Jack** needs 80-90 psi air pressure and 50 cfm volume of air to produce 2,000 ft.-lbs. of output torque. The **Gate-Jack** housing mounts directly on the gate's spindle head. The operator twists the air control valve in the desired direction for the force of

the **Gate-Jack** to be transmitted to the car gate. Control valves and hoses are provided. A 3/8 in. dia. lubricated airline is needed for best performance. The operator furnishes a 3 ft. steel rod (1 in. dia.) to serve as a braking bar.

4120-01 Weight 77 lbs.

PowerDrive Electric Gate Opener

The combination of 1½ hp, 10 rpm gear motor and telescopic drive shaft will open any car gate that is not damaged or ice-bound. Instead of using one-directional, high torque hammer action, the **Powerdrive** relies on the instantaneous reversibility of an electric motor to "rock" the stuck gate open. The drive shaft angles 20° in all directions and telescopes to reach varying socket positions. The gear motor's double shaft allows two-track gate

opening. **Powerdrive** assembly includes gear motor, drive shaft, controls and fittings. By adding the optional Sliding Carriage, the **Powerdrive** can work its way down a line of gates. (NEMA 4x 230/460 V.)

4020-08 Gear Motor, Shaft, Controls, Fittings Weight 300 lbs.

4020-11 Sliding Carriage Weight 50 lbs. (customer supplies 6W20 beam)



Working with Rail Cars — Loading/Unloading Hopper Cars



Air Broom

Better than a push broom. Clean up dry spillage and unclog hopper chutes with a jet of high pressure air. Air Broom delivers 13 to 24 lbs. of thrust, depending on input pressure used. Dead man trigger protects worker. Handle accepts 3/4 in. male NPT pipe thread connections.

- 4124-212**
Barrel Length: 48" Weight: 4 lbs.
- 4124-213**
Barrel Length: 36" Weight: 4 lbs.
- 4124-214**
Barrel Length: 60" Weight: 5 lbs.



In winter, blow snow from track and switches. Better than a broom.

SPECIFICATIONS BASED ON INLET PRESSURE

Inlet Pressure	80	100	120	150
Thrust (lbs.)	13	16	18	24
Flow (SCFM)	170	208	244	302
Dead End Pressure (PSIG)	15	17	21	29

Aluminum Car Wall Scraper



The heat-treated aluminum scraper paddle is 5 in. wide with a chisel edge. Six foot long pole extensions snap together to give the worker a long reach into a tank or bin.

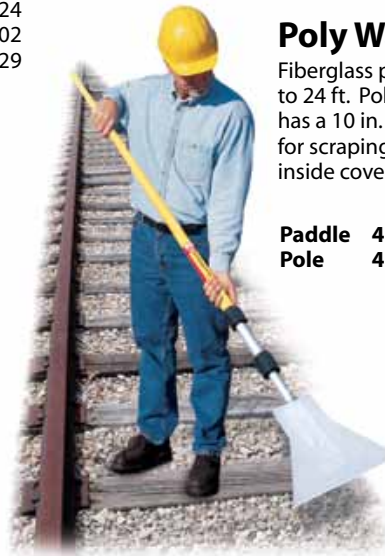
- Paddle 4023-03** Wt. 2 lbs.
- Pole 4023-04** Wt. 2 lbs.

Railroad Spill Containment Pan

Polyethylene pan locks to rail beneath tank cars and hopper cars. The solid pan holds up to 50 lbs. of drips as hoses are connected.



- Solid Pan 4124-30** Wt. 5 lbs.
- w/Drain Holes 4124-29** Wt. 5 lbs.



Poly Wall Scraper

Fiberglass pole handle extends to 24 ft. Polyethylene paddle has a 10 in. wide blade. Useful for scraping down bin walls inside covered hopper cars.

- Paddle 4124-109** Wt. 2 lbs.
- Pole 4124-108** Wt. 6 lbs.

Blue Boat Spill Pan

For plastic pellets and other non-soluble materials



Molded polyethylene pan is 29" long x 14" wide x 10" high. Screened drain in bottom lets rain water pass through.

- 4124-310**
Weight 13 lbs.

Hatch Key™ Pry Bars

Save your back and your fingers. Stubborn hatch covers yield to the leverage in our specially shaped bar. Worker should be secured to fall protection cable while using Hatch Key pry bar.

4020-17 N
Heavy Duty
Weight 10 lbs.

4020-16
Standard Duty
Weight: 5 lbs.



Heavy Duty



Standard Duty

Pneumatic Piston-Type Car Shakers

The piston shaker has a wedge-end which fits all standard covered hopper car side brackets. The wedge cannot be clamped down or secured in any other fashion except being lodged in the bracket. Lugs on the wedge keep it from becoming jammed in the bracket

Cyl. Size	Use On	Part No.	Air Inlet	CFM	DB	Wt.
3"	Dry, granular, free-flowing material	4126-01	3/8"	11	96	73 lbs.
4"	Sticky, damp materials which cake	4126-02	1/2"	18	110	115 lbs.

* Filter / lube / throttle kit available -- Contact us.

Caution: always use stabilizing jacks on both sides of the car when using car shakers. See page 25.



N

Absorbent Track Mat For oil-based products

Provides sorbency and drip protection under rail cars for a wide variety of petroleum-based products. Three-ply construction consists of top layer of needle-punched polypropylene felt, a middle layer of absorbent meltblown polypropylene, and a chemical resistant bottom layer to prevent seepage into ballast.

Mat comes in 100 foot rolls:

4123-148 59" wide for inside rails
(absorption capacity: 60 gallons)
 weight 70 lbs.

4123-149 Set of two 19" wide panels for field sides of track
(absorption capacity: 25 gal.)
 weight 60 lbs. per set of 2 rolls

Mat can be walked on. Staking may be need in windy locations.

Safe Ways to Use Your Forklift to

Easy-Slide* Car Door Opener for dockless rail siding where access to the car door is through a doorway.



**No damage to forklift.
No damage to car doors.**

EASY-SLIDE satisfies OSHA's "de minimus" exception to the ban against using forklift blades directly to open box car doors.

Welded-steel frame fits over paired fork blades up to 7 in. wide. Aluminum pivot arm stretches 60 in. beyond frame to reach any car door. Pincer hook on pivot arm engages car door pull-tab.

EASY-SLIDE opens sliding doors and plug doors.

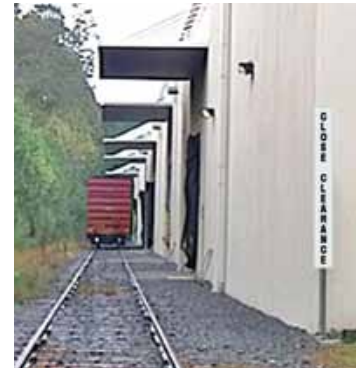
To order, request an **EASY-SLIDE** sizing form.

4020-13 Weight 65 lbs.

**patent pending*



Ask for our free DVD:
Products for Loading and Unloading Freight Cars



Easy-Slide uses indirect leverage and the power of your forklift to fully open or close car doors without damage to forklift or door.



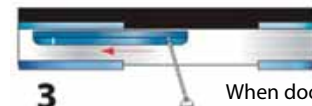
1

Hook on to door pull tab. Rotate forklift to left to pull door open.



2

Continue rotating left while backing up.



3

When door is half-open, pivot to right to change leverage angle.

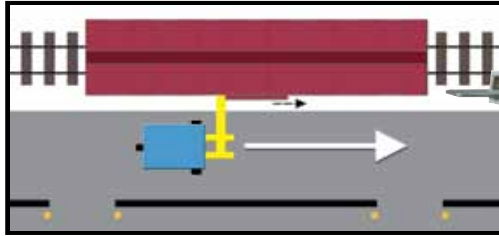


4

Drive forward and rotate left to push door fully open.

Open Box Cars

Aldor Car Door Opener for traditional open docks where there is a clear run alongside the box car. Dock must be at least 12 feet wide.



ALDOR design meets OSHA's "de minimus" exception to the ban on using a forklift to open box cars: Force is parallel to car door so no damage is done to forklift or car door. Forklift and operator remain safely out of the way of the door at all times.



Fixed-Length Aldor -- Aluminum

Overall length, 90 in. Beam reaches out over 48 in. gap between dock edge and side of car.

4020-14 Weight 80 lbs. Fits fork blades up to 7 in. wide. For wider blades contact us.

Adjustable-Length Aldor -- Steel

Arm advances in 6 in. increments with hitch-pin lock. Fully extended, beam reaches out over 48 in. gap between dock edge and side of car.

4020-02 Weight 350 lbs. Fits fork blades up to 5 in. wide. For wider blades contact us.



Railroad Dock Board

Portable steel bridge from box car to dock. Lifting loops on dock board allow easy placement by forklift. Curbs at sides of dock board guide forklift driver. Straight-cut or flared approach aprons. Locking rings on each side wedge dock board against dock. Capacities: 15,000 lbs., 22,000 lbs., and 42,000 lbs.

4128-01 Request sizing form for pricing.



Working with Rail Cars — Tank Car Safety



Tank Car Pry Bar **N**

Much better than a crowbar!

Designed to engage the grab-handle of tank car manway covers. Five-foot steel pipe handle and a rocking foot provide the leverage to overcome suction caused by the difference in atmospheric pressure outside the tank car and inside. When using the pry bar, the worker can stand upright and avoid the escaping fumes when the lid pops free.

Always wear fall-restraint gear when working on top of a rail car.

4020-18
Weight 14 lbs.



Hopper and Tank Car Hose Cradle



Broad base polythylene supports hose. Velcro belt keeps hose steady during unloading.

Dimensions: 13" high x 19" square base

4124-312 Weight 3.5 lbs.



Tank Car Safety



Tank Car Safety Gate

Fits over gap in railing on top of tank car. Formed aluminum panel, 48 in. wide x 11 in. tall, drops over railing. Handle provided on top of panel.

4124-173 Weight 13 lbs.

Tank Car Wheel Block

High-security wheel blocking. Clamps grip rail head through wedge action. Do not use for impact stopping. Use one chock at each end of the car after brake has been applied. For added security, a padlock can be field-installed to the wedge.

Use on flat track only.

4016-01 for rails 60-104 lbs. Weight 45 lbs.

4016-02 for rails 105-175 lbs. Weight 60 lbs.



Tank Car Manway Cover

Temporary shield keeps rain and dust out while letting gases escape. Fits standard 20 in. dia. manway. Filter screens are suitable for all resin and food products. Carrying strap.

4124-311

Weight 20 lbs.



T-Wrenches for Sockets

Useful where 200 ft.-lbs. or less torque is needed to loosen or tighten manway cover bolts. Handle is 24 in. with a 36 in. tall staff. Square drive: 1 inch. Safety chain with locking pin to secure socket to wrench.

Steel T-Wrench
1 in. OD handle
4024-157
Weight 12 lbs.

Aluminum (spark resistant) T-Wrench
1 3/8 in. OD handle
4024-195
Weight 8 lbs.



Steel Tank Car Sockets

Max torque rating 1500 ft./lbs.



HEX

4024-191	1 5/16"
4024-158	1 7/16"
4024-159	1 1/2"
4024-160	1 9/16"
4024-161	1 5/8"
4024-162	1 11/16"
4024-186	1 3/4"
4024-187	1 13/16"
4024-190	1 7/8"



8 PT

4024-192	1 5/16"
4024-163	1 7/16"
4024-164	1 1/2"
4024-165	1 9/16"
4024-166	1 5/8"
4024-167	1 11/16"
4024-188	1 3/4"
4024-189	1 13/16"
4024-168	1 7/8"

4" bolt clearance

Spark-Proof Bronze Tank Car Sockets

Max torque rating 500ft./lbs.

Not for impact wrenches. Use hand wrench only.



HEX

4024-170	1 7/16"
4024-171	1 1/2"
4024-172	1 9/16"
4024-173	1 5/8"
4024-174	1 11/16"
4024-180	1 3/4"
4024-181	1 13/16"
4024-182	1 7/8"



8 PT

4024-175	1 7/16"
4024-176	1 1/2"
4024-177	1 9/16"
4024-178	1 5/8"
4024-179	1 11/16"
4024-183	1 3/4"
4024-184	1 13/16"
4024-185	1 7/8"

1/2 in. and 3/4 in. square drives available for bronze sockets on special order.

Manual Car Mover

The tried and true way to move one rail car short distances. Car mover multiplies worker's downward handle pressure to lift and nudge the wheel slightly forward.

Movement speed 5 fpm.

Rail-biting spurs provide good traction. Hickory handle, 54 in. long provided.

Use on flat track only. Another worker should be ready to stop the car with hand brake or urethane car stopping chock (see page 24). Do not use car mover foot as a wheel chock.

4017-01 Mover with handle Weight 20 lbs.
4017-02 Replacement handle Weight 6 lbs.



Car Pulling Rope and Hooks

Low-stretch poly rope for vertical capstans. Breaking strength 60,000 lbs. Minimum capstan diameter: 12 in. Max recommended live pull 7,500#. Specify length needed.

Rope is supplied with thimble spliced to rope end.

4119-51 Rope spliced to thimble
4119-09D Car Pulling Hook (1 in. thick, alloy steel).
 Maximum safe working load: 7500 lbs.



**4019-37, 4019-38,
 4019-39, 4019-40**

**4019-41, 4019-42,
 4019-43, 4019-44**

Wire Rope Sheaves

Horizontal sheaves with convenient rope guards. Bronze bushings equipped with Zerk fittings.

Made for wire rope sizes 5/8 in. to 1 1/4 in. Contact us for details.

Coupler Alignment Tool

Provides the back-saving leverage needed to bring coupler drawheads into straight-ahead alignment so car can be coupled.

4124-59 9 lbs.





RERAILERS FOR OVERSIZED CARS



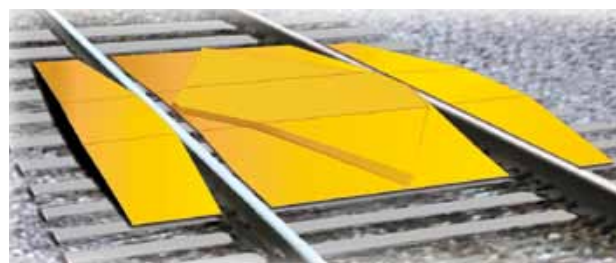
“BIG RED” Rerailers

Cast in high strength alloy steel, these double-end rerailers can carry the weight of a 450 ton railcar or locomotive. Used in pairs (one inside, one outside) and secured by chains to the rail.

Rail Size				
100-131 lbs.	4018-12-I	Inside		Wt. 125 lbs.
	4018-12-O	Outside		Wt. 125 lbs.

Rail Size				
132-152 lbs.	4018-13-I	Inside		Wt. 135 lbs.
	4018-13-O	Outside		Wt. 135 lbs.

Safety Chain w/hook
(Need 2 chains per railer)
4018-09
Weight 7 lbs.



Permanent Railer-40 ton Wheel Load Capacity

Immediate and dependable rerailing in both directions for ladle cars as heavy as 450 gross tons. Push or pull car to bring wheels back on the rails while workers remain at a safe distance. Diamond central plate stands 2 in. above top of rail. Railer length 11 ft. Custom-made to your rail size and section. Customer must remove twelve existing 8 ft. ties and replace them with 13 ft. ties. Contact us for pricing.

4018-22 Weight 10,000 lbs



Nine Lives Wheel Wedge



Wheel Wedge as shown chocks right side of wheel.
Flip wedge over to chock left side of wheel.

With Wheel Wedge the wheel is blocked with no more debris left on the track when the car is pushed over the wedge.



A practical alternative to using oak wedges as wheel chocks. Wheel Wedge is designed to chock idle rail cars on storage tracks where cars are not subjected to vibration. Molded in a special grade of urethane, the wedge is 10" long x 2½" high x 3¼" wide.

Rail car must be stationary before using wedge. After setting car brake, worker slips wedge under wheel. When the wedge needs to be removed, the worker does not have to stoop down and try to free it from the wheel. Instead, the rail car can be run over the wedge and no risk of derailling the car. Do not use wheel wedge for cars being loaded or unloaded — use steel wheel chocks instead. Use on exposed or flush rail.

FOR USE ON FLAT TRACK ONLY.

4011-18 Weight 2 lbs.

Track Clearance Marker

Avoid collisions on converging tracks. Indicates railcar parking limits.

See details on page 9



Hopper Car Swing Gate Pry Bar

See details on page 39



Rerailers for Freight Cars



“BIG RED” Rerailers for Oversized Cars



Cast in high strength alloy steel, these double-end rerailers can carry the weight of a 450 ton railcar or locomotive. Used in pairs (one inside, one outside) and secured by chains to the rail.

Rail Size	100-131 lbs.	4018-12-I	Inside	Wt. 125 lbs.
		4018-12-O	Outside	Wt. 125 lbs.
Rail Size	132-152 lbs.	4018-13-I	Inside	Wt. 135 lbs.
		4018-13-O	Outside	Wt. 135 lbs.
Safety Chain w/hook (Need 2 chains per rerailer)		4018-09		Wt. 7 lbs.

“Burlington” Style Freight Rerailers



Double-ended “Burlington” style rerailers are locked to the rails by clamps and wedges and will not slip or kick out during rerailing. One “Inside” and one “Outside” make a pair. Rerailers are reversed in direction and exchanged in position to suit different derailed wheel situations.

Rail Size	70-90 lbs.	4118-01-I	Inside	Wt. 100 lbs.
Rail Size	70-90 lbs.	4118-01-O	Outside	Wt. 100 lbs.
Rail Size	100-140 lbs.	4018-04-I	Inside	Wt. 169 lbs.
Rail Size	100-140 lbs.	4018-04-O	Outside	Wt. 169 lbs.

Straddle-Type Freight Car Rerailers



The most practical design. All wheels are rerailed with one placement of rerailers. Chain and hook holds rerailers securely to rails.

Rail Size	90-140 lbs.	4018-01-L	Left	Wt. 169 lbs.
Rail Size	90-140 lbs.	4018-01-R	Right	Wt. 169 lbs.
Rail Size	70-110 lbs.	4018-02-L	Left	Wt. 135 lbs.
Rail Size	70-110 lbs.	4018-02-R	Right	Wt. 135 lbs.



McCarty Freight Car Rerailers

An old and reliable design for two-way rerailing of locomotives and heavy freight cars. Cast-steel rerailers straddle two ties and hook to rail head. Stout carrying handles at each end butt up against side of ties to keep rerailers from sliding as wheel mounts the ramp. No wedges or spiking needed, just scrape some gravel away from the ties and hook the rerailers to the rail. Ready for action.

Use in pairs: one inside rerailer and one outside rerailer

Rails 90-120 lbs./yd.
 Inside
#4118-14-I Weight 207 lbs.
 Outside
#4118-14-O Weight 165 lbs.

Rails 131-152 lbs./yd.
 Inside
#4118-15-I Weight 211 lbs.
 Outside
#4118-15-O Weight 190 lbs.



2-Man Carrying Pole N

Workers can easily carry heavy, bulky items with our 2-Man Carrying Pole. Perfect for rerailers and derails.

Carry Pole is 8 feet long, made of steel tubing, with a pincer hook at the center.

Maximum load: 250 lbs.

4024-54
 Weight 10 lbs.

Permanent Rerailer-Full Diamond

Automatic rerailing in both directions. Length 11 ft. Customer supplies twelve 13 ft. ties to support rerailer. Custom made to your rail size and section. Standard model wheel load 20 tons.

4018-10 Weight 10,000 lbs.

A flat version rerailer is available for flush rail tracks. Contact us.

Permanent Rerailer-Split Diamond

Keeps wheels on rails when approaching and leaving weigh scales, unloading pits, etc. Half-diamonds can be installed for single or dual direction car travel. Customer supplies seven 13 ft. cross ties to support each half diamond. Wheel load 20 tons.

4018-11 Weight 10,000 lbs.

Split diamond rerailer can be made for roll-on/roll-off car ferries.

