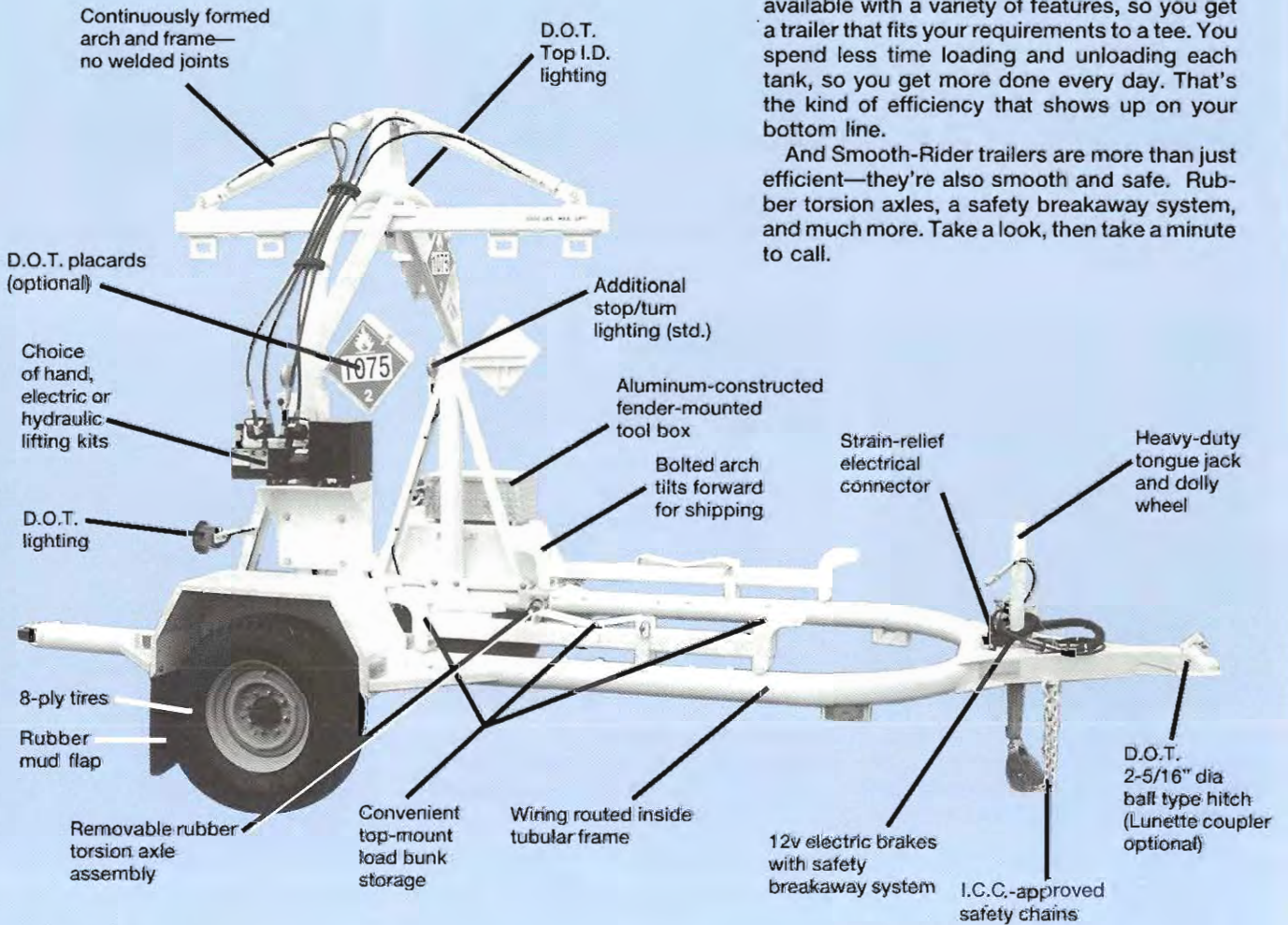


SMOOTH-RIDER™ Bulk Tank Trailers

Rugged Smooth-Rider™ trailers from H&H are available with a variety of features, so you get a trailer that fits your requirements to a tee. You spend less time loading and unloading each tank, so you get more done every day. That's the kind of efficiency that shows up on your bottom line.

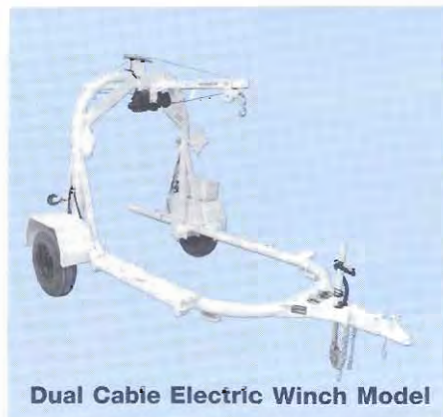
And Smooth-Rider trailers are more than just efficient—they're also smooth and safe. Rubber torsion axles, a safety breakaway system, and much more. Take a look, then take a minute to call.



Hydraulic Lift Model



Electric Winch Model



Dual Cable Electric Winch Model



Hand Winch Model

Obsolete as of January 2002.

Construction features for convenience and safety

The optional and standard features built into every H&H bulk tank trailer are designed to add convenience, efficiency and

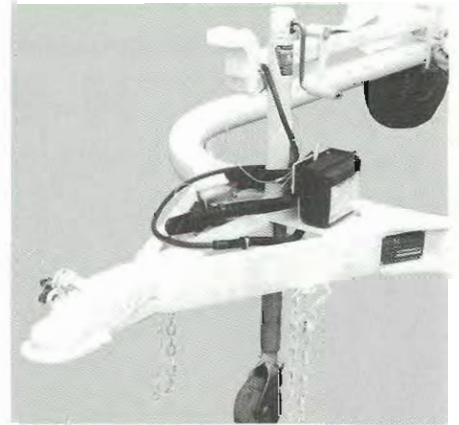
safety. Choose the special features you need and get a custom-designed tank trailer that's just right for your business.



DOUBLE-LINE LIFTING YOKE—2-ton, load-rated cable feeds over job-designed load pulleys. Grease fittings on the pulleys reduce maintenance.



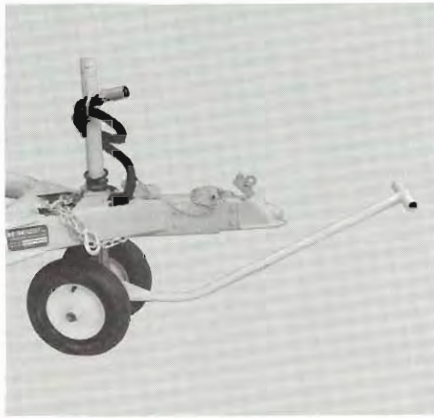
HYDRAULIC ARCH—Hydraulic cylinders are mounted on both sides of the arch to avoid tangling, and tank centering is automatic.



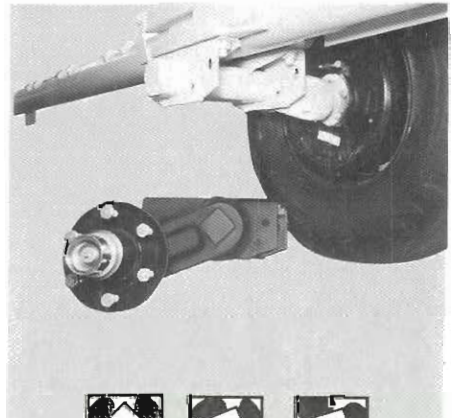
JACK/DOLLY/HITCH—One-ton capacity jack/dolly unit is worm gear operated. I.C.C.-approved ball type hitch with 1/4" safety chains standard. Lunette coupler optional.



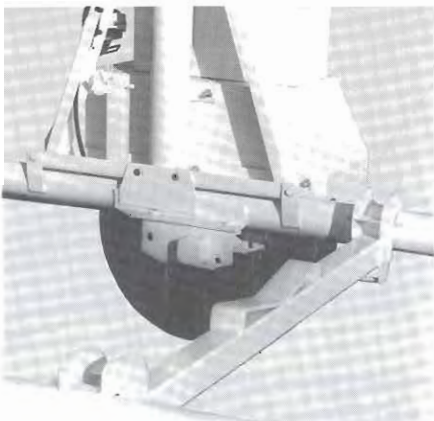
WHEEL BEARING PROTECTORS—Wheels are equipped with lubricating devices. Reservoir of lubricant prevents bearing burn-outs and allows easy servicing.



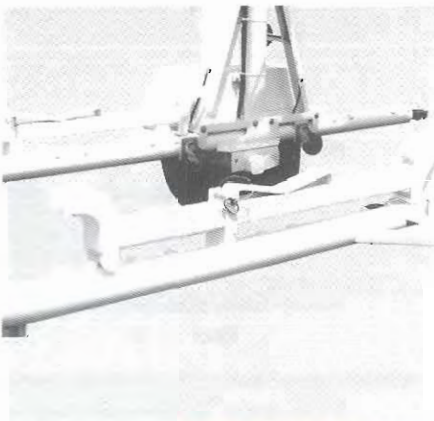
TWO WHEEL DOLLY—Without a tank, trailers are maneuvered easily around a hard surface yard with a two-wheel dolly from H&H (optional).



Smooth-Rider's rubber torsion axle cushions the load in direct proportion to its weight.



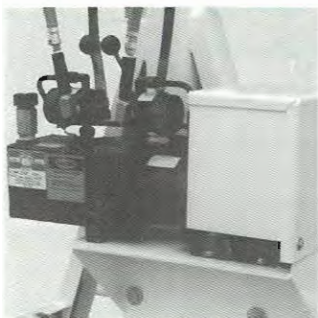
LOAD BUNK DESIGN—Permits tank, load bunks and trailer frame to be rigidly secured. Welded-on 1" lugs eliminate load bunk shifting even during quick stops. (Refer to NFPA pamphlet 1998 No. 58, 6-5.2.2.)



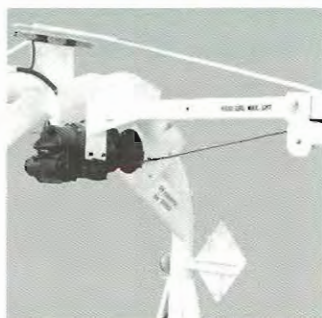
TIME-SAVING BUNK STORAGE—Now stored on the top, H&H' bunks nest and lock down against the frame. Cut positioning time by 50%!

RUBBER TORSION AXLE—Standard equipment on H&H's Smooth-Rider™ trailers includes rubber torsion axles that cushion the load in direct proportion to its weight. H&H invented the use of rubber torsion axles on its Smooth-Rider trailers. The concept has proved to be so effective that rubber torsion axles are now the standard throughout the industry.

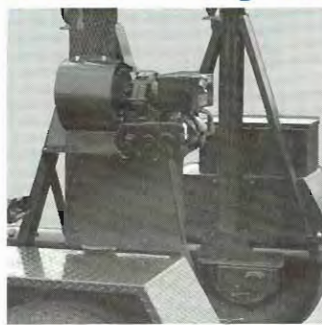
Choose the hoist that's best for your operation



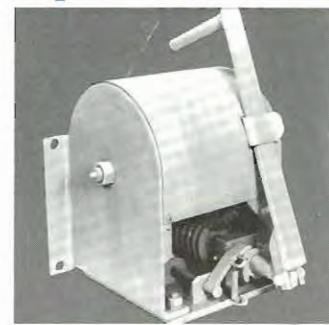
HYDRAULIC HOIST—Two hydraulic cylinders gently ease tanks into place. The individually controlled hydraulic cylinders provide quick and easy tank leveling. Kits are available for easy conversion of any H&H trailer and most other trailers of the same design. Maximum lifting capacity is 8,000 lbs.



DUAL CABLE TOP MOUNT ELECTRIC WINCH—An electric winch-hoist package is available for H&H and similar bulk tank trailers. Hoist capacity up to 4,000 lbs. Remote control operation. Optional dual cable/dual pulley design for one-person operation. Choice of two power supply options and several accessories.



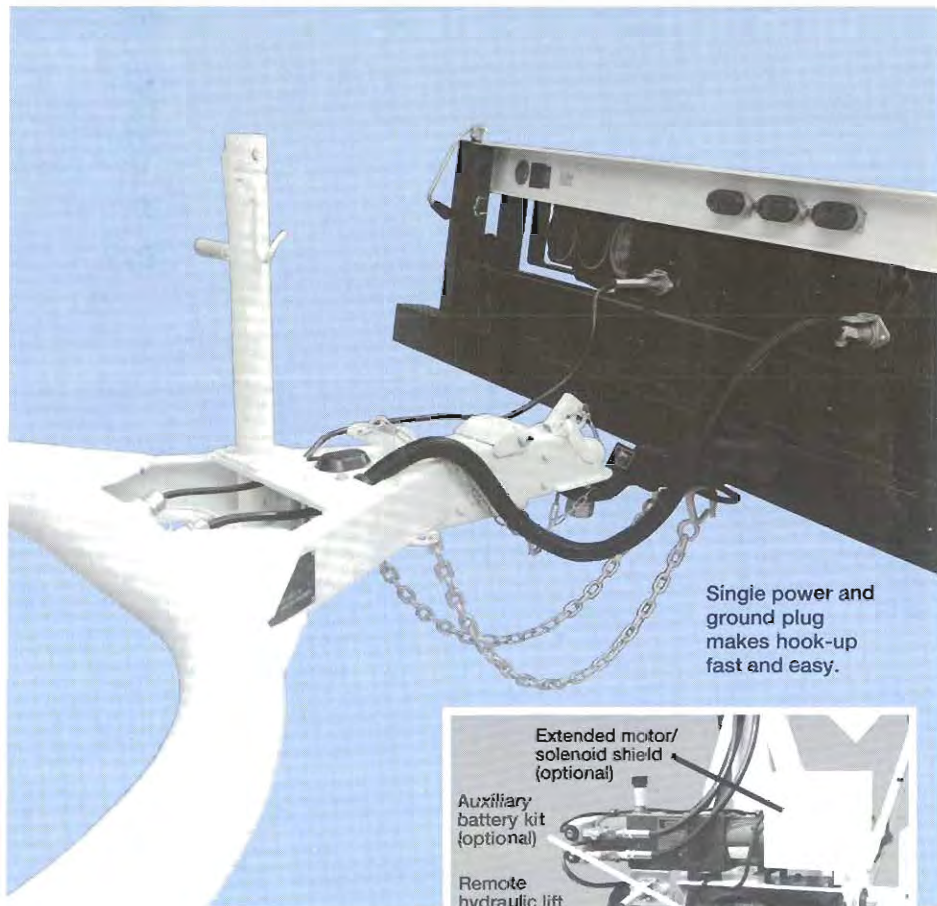
SIDE MOUNT ELECTRIC WINCH—The Side Mounted Electric Winch has a 4,000 lb. load rating, but the single cable "block and tackle" arrangement provides an 8,000 lb. lifting capacity. Remote control operation. Choice of two power supply options.



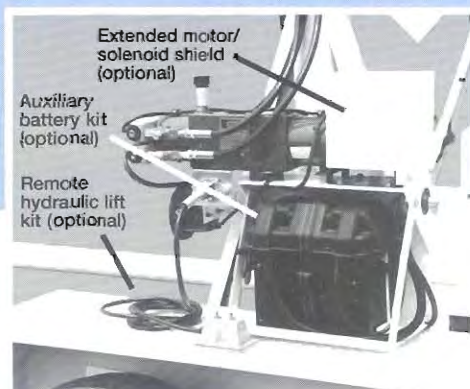
HAND WINCH—The economical hand winch is job-designed and fitted with a steel drum and drive gear. The 2-ton rated worm gear has a 25:1 reduction ratio. The speed crank handle locks securely in the up position during traveling.

Obsolete as of January 2002.

Trailer Power Center



Single power and ground plug makes hook-up fast and easy.

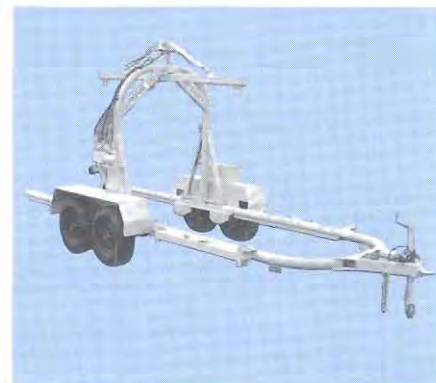


Extended motor/
solenoid shield
(optional)

Auxiliary
battery kit
(optional)

Remote
hydraulic lift
kit (optional)

SMOOTH-RIDERTM trailers— your choice of single or tandem wheels



SMOOTH-RIDERTM trailers come fully equipped in single wheel Models 10 and 11, and in tandem wheel Models 10T and 11T.

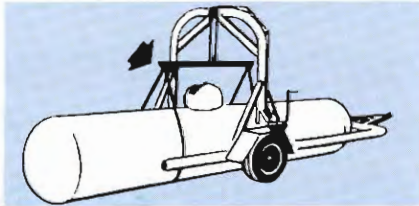
H&H SMOOTH-RIDER™ Bulk Tank Trailers

Dimensional Information

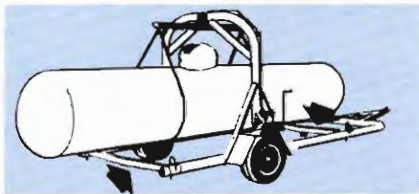
	Models 10 and 10T (250 - 1,000 gal tanks)	Models 11 and 11T (250 - 1,800 gal tanks)
Overall Length	192"	254"
Overall Height	97" (112" with hydraulic lift, 107" with electric winch lift)	
Overall Width	96"	
Width Inside Frame	57" (46" between axle stubs)	
Load Bunk Spacing	50" - 112"	50" - 148"
Ground Clearance	16¾" from bottom of frame, 15" from bottom of frame-mounted clearance lamp	
Maximum Gross Vehicle Weight Rating	5,000 lb for single wheel models, 8,000 lb for tandem wheel models	
Tongue Weight	200 lb	300 lb
Gross Weight*		
Single wheel models		
Hand winch lift	1,600 lb	1,750 lb
Electric winch lift	1,780 lb	1,930 lb
Hydraulic winch lift	1,850 lb	2,020 lb
Tandem wheel models		
Hand winch lift	1,980 lb	2,130 lb
Electric winch lift	2,180 lb	2,200 lb
Hydraulic winch lift	2,250 lb	2,400 lb

*Road ready, with brakes. NMCB Freight Rate: 150

Loading and Carrying Tips



1. Straddle tank and attach yoke lifting straps or chains around tank.



2. Raise tank and place load bunks in position. Adjust to tank size.



3. Lower tank, attach binding chains or Nylon Load Huggers and you're ready to go. Exclusive H&H Load Bunk Design lets you securely tie tank, load bunks and trailer frame together.

NOTE: Please see NFPA No. 58 (1998), page 58-57, paragraph 6-5.2, Transportation of Containers, subparagraph 6-5.2.1, which states that ASME containers of 125 gal (0.5 m³) or more water capacity shall contain no more than 5 percent of their water capacity in liquid form during transportation.

(d) Lifting tugs shall not bear more than the empty weight of the container plus 5 percent liquid volume. Additional means for lifting, securing, and supporting the container shall be provided.

6-5.2.2 Containers shall be safely secured to minimize movement relative to each other or to the carrying vehicle while in transit, giving consideration to the sudden stops, starts, and changes of direction normal to vehicular operation.

Construction Information

Tires	
Tandem wheel models	700 x 15, 8 ply
Single wheel models	LT245 75R-16 10 Ply Radial
Brakes	12v electric-type
Frame and Arch Construction	Steel tube: 4½" OD, .237" thick
Arch Bracing	3" structural plate steel
Pulleys	Job designed and fitted. Load pulleys are 6" dia with grease fittings, guide pulleys are 3" dia
Rubber Torsion Axles	Cushioned. Load rating: 3,000 lb per axle.
Wheel Hubs	
Tandem wheel models	6-stud trailer-type
Single wheel models	8-stud trailer-type
Wheels	
With 700 x 15 tires	15" x 6" one-piece truck-type
With LT245 75R-16 tires	16" x 6" Steel 8-Hole
Fenders	14-gauge diamond plate
Hand Winch	No Longer Available.
Dual Cable Top-Mount Electric Winch	4,000 lb lift capacity, 360:1 ratio, two-5/16" x 176" cables
Side-Mount Electric Winch	4,000 lb lift capacity, 360:1 ratio, 3/8" x 40' cable
Hydraulic Lift	8,000 lb capacity, automatic tank leveling
Hitch	D.O.T. 2 5/16" ball or Lunette eye-type
Safety Chains	I.C.C.-approved with snap hook (5,200 lb load rating)
Tank Binding Straps	2½-ton rated
Tank Loading Straps	Nylon. Load rating: 10,000 lb
Electrical System	Tail, stop, turn, and running lights and reflectors standard
Paint	White acrylic enamel standard. Other colors available on request.

H&H Sales Co. reserves the right to change specifications and component parts without notice.

H&H SALES COMPANY, INC.

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Phone: 219-637-3177 - 300-551-9341 - FAX 219-637-6880

