

B 10/25/89pd5

the NOLAN company

Established 1909
300 Boyce Drive, P.O. Box 201
Bowerston, Ohio 44695
Telephone: (614) 269-2771
FAX: (614) 269-1919

October 18, 1989

ORIGINAL

01-22-N/IB-13891

30 OCT 2 P 3: 50

RECEIVED
NHISA DOCKET

Administrator
National Highway Traffic Safety Administration
400 Seventh Street, S.W.
Washington, DC 20590

Attention: Ms. Patty Gardner

Re: Motor Vehicle Standard No. 115 (VIN)
Nolan VIN = 1N9-FS121-1-LB062001

16 P.

Dear Patty:

Enclosed are calculations on how we arrived at the above referenced VIN.

Also enclosed is our catalog illustrating the Nolan TT-100-8 road and rail track trailer (with specifications).

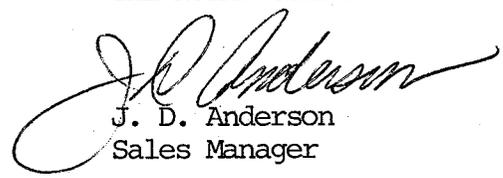
Assuming our calculations meet with your approval, please send us an official certificate showing our VIN from your office.

I'll call you within the week to discuss this matter.

Thanks very much for your help on this matter.

Sincerely,

THE NOLAN COMPANY


J. D. Anderson
Sales Manager

JDA:bap

Enclosures

*P.S. I know you told me your office doesn't
name anything ~~else~~ when you approve our
VIN but our customer wants some
verification from your office*

MINING, RAILROAD AND INDUSTRIAL EQUIPMENT

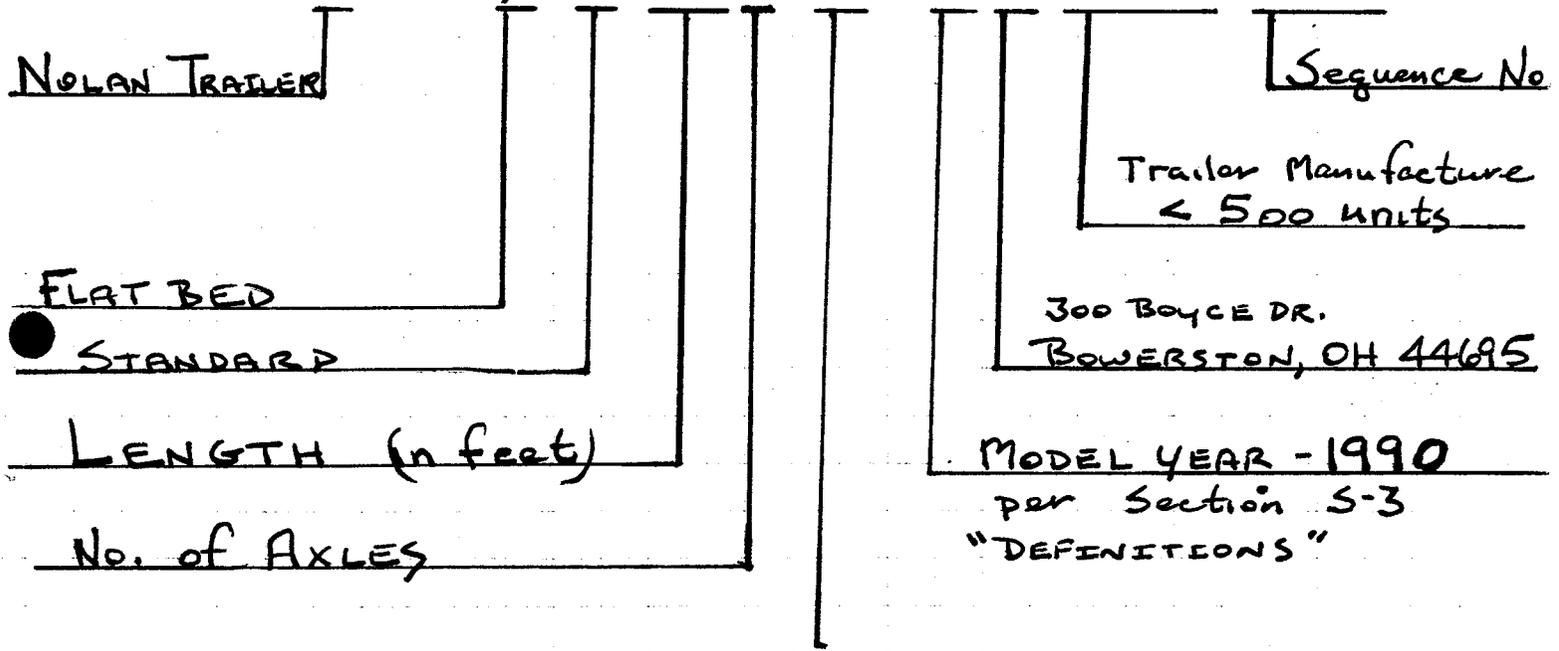
B. 10/25/89 mdy

THE NOLAN CO. TT-100-B ROAD & TRACK

A.) TRAILER VIN CALCULATION :

STANDARD TRAILER

1 N 9 - F S 1 2 1 - 1 - L B 0 6 2 0 0 1



CHECK DIGIT

B.) CHECK DIGIT CALCULATION

VIN - 1 N 9 F S 1 2 1 - 1 - L B 0 6 2 0 0 1

VALUE	1	5	9	6	2	1	2	1	3	2	0	6	2	0	0	1	TABLE IV
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FACTOR	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2	TABLE V
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$$8 + 35 + 54 + 30 + 8 + 3 + 4 + 10 + 0 + 27 + 16 + 0 + 36 + 10 + 0 + 0 + 2 =$$

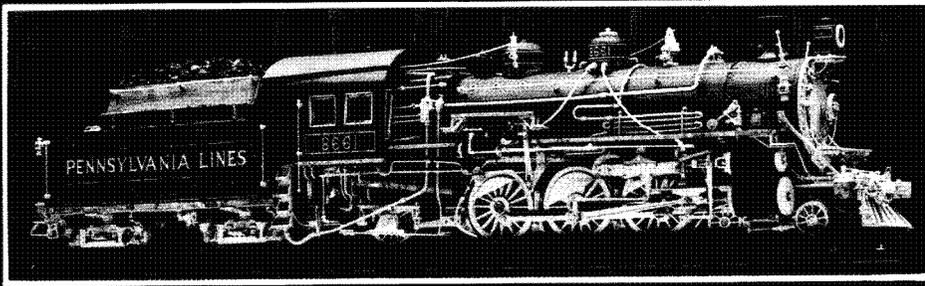
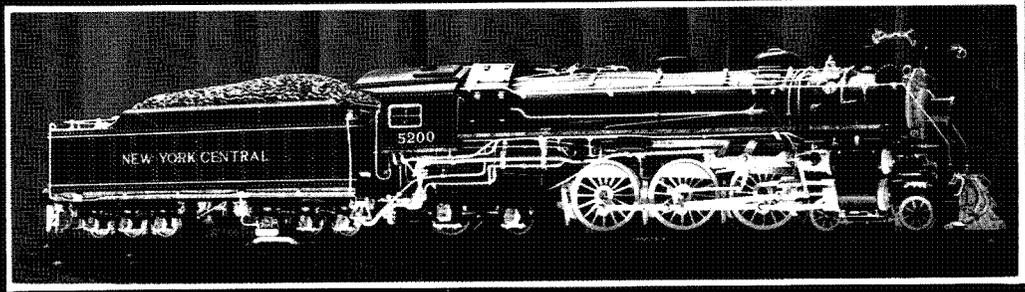
TOTAL 243

$$\text{Divide Total by } 11 = \frac{243}{11} = 22.09 = 1$$

Decimal

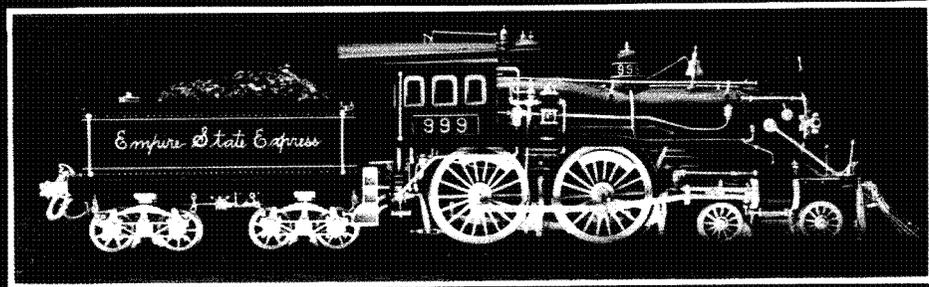
$$.09 = 1$$

1921



1914

1893



the RAIL PRODUCTS
FOR RAILROADS, INDUSTRY,
MINES AND QUARRIES

NOLAN

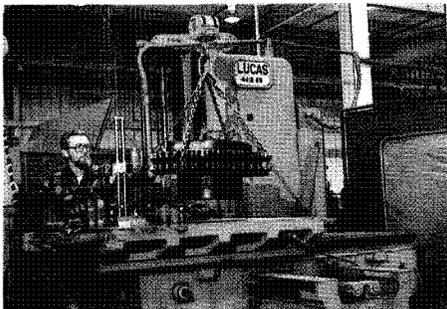
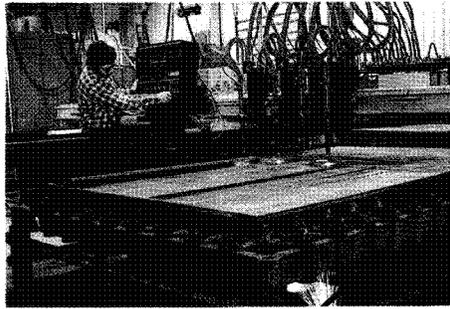
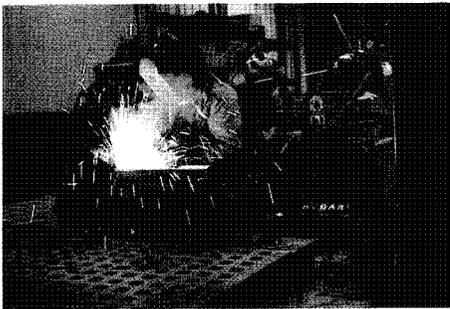
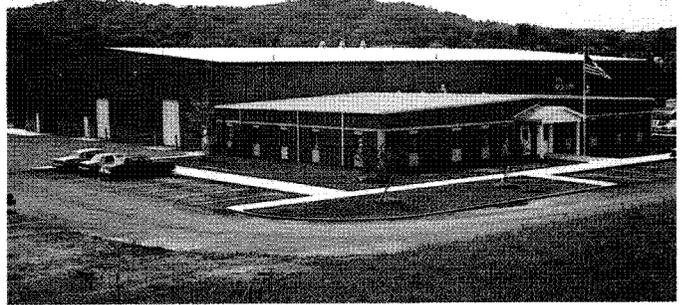
company

Bowerston, Ohio 44695

Established 1909

Since 1909, The Nolan Company has concentrated on the manufacture of a wide range of quality products. This catalog contains some of the products Nolan manufactures today. Many of these have earned the reputation for being the "standard for the industry" because of their dependable performance in railroad, mine, quarry, mill and other commercial applications.

A modern and expanded plant was dedicated by Nolan in 1982. This new manufacturing facility is a commitment by Nolan to continue to provide world class equipment... and to search for even more efficient and improved products.



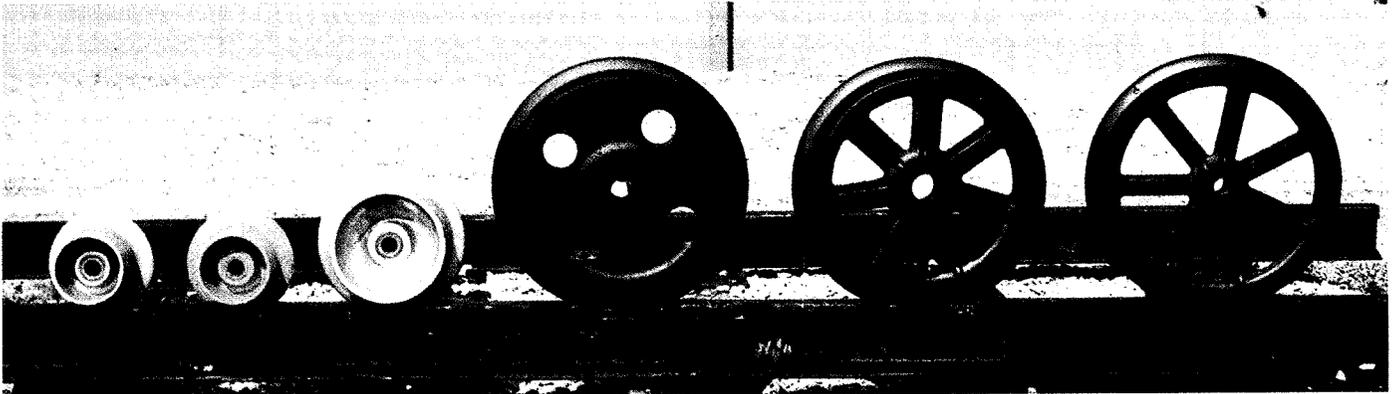
Special Acknowledgement

The Nolan Company wishes to thank the Warther Museum of Dover, Ohio for allowing the photography and use of the train models on the covers of this literature. These photos are representative of only a small percentage of the marvelous hand-carved works of the late Master Carver, Ernest Warther. Our gratitude to the Warther family and the Museum.

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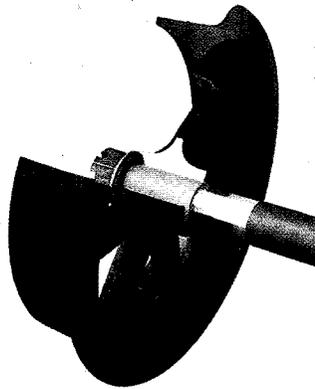
cast replacement wheels



The Nolan Company recommends the use of their special ductile alloy cast wheels instead of pressed steel wheels. Nolan's cast wheels are tougher, have a larger load capacity, and last many times longer. Nolan's wheels are available for replacement or OEM use.

Testing by an independent laboratory proved Nolan's ductile alloy wheels superior to $\frac{5}{16}$ " pressed steel wheels in straight running time, curve stresses, and even drop tests.

Nolan also offers a heat-treated aluminum wheel in 5" and 8" diameters for use on lighter maintenance-of-way equipment. Over 25,000 of these wheels have been placed in the field over the past 5 years, attesting to their popularity when equipment weight and ease of handling is a consideration. For very corrosive working conditions, 5" wheels are available in Nolan's special ductile alloy. Ice breaker beads on cast wheels are also available.



Wheel insulation kits are available for $1\frac{3}{16}$ ", $1\frac{7}{16}$ " and $1\frac{15}{16}$ " size axles. The kits consist of an insulation sleeve that fits the taper of the axle, a filler washer and a steel washer — all held in place by the axle taper and a castle nut. Insulation kits for 5" and 8" wheels consist of a nylon sleeve that insulates the axle.

WHEEL SELECTION CHART*

Model	Diameter in. (mm)	Material	Weight/Wheel lbs. (kgs.)	Load Capacity/Pair lbs. (kgs.)	Axle Size in. (mm)
TS-12	5 (127)	Aluminum	5 (2.3)	2,500 (1,134)	1 (25)
TS-13	5 (127)	Ductile Alloy	14 (6.4)	2,500 (1,134)	1 (25)
TS-12A	8 (203)	Aluminum	11 (5.2)	2,500 (1,134)	1 (25)
7001	16 (406) Extra Heavy Duty	Ductile Alloy	112 (51.0)	20,000 (9,072)	$2\frac{15}{16}$ (59)
7002	16 (406) Extra Heavy Duty	Steel	126 (57.0)	20,000 (9,072)	$2\frac{15}{16}$ (59)
7005	16 (406) Heavy Duty	Ductile Alloy	82 (37.2)	10,000 (4,536)	$1\frac{3}{16}$ (30) $1\frac{7}{16}$ (37) $1\frac{15}{16}$ (49)
7007	16 (406) Heavy Duty	Ductile Alloy	80 (36.3)	10,000 (4,536)	$1\frac{3}{16}$ (30) $1\frac{7}{16}$ (37) $1\frac{15}{16}$ (49)
7006	16 (406) Light Duty	Ductile Alloy	55 (25.0)	6,000 (2,722)	$1\frac{3}{16}$ (37) $1\frac{7}{16}$ (37)
7008	16 (406) Light Duty	Ductile Alloy	54 (24.5)	6,000 (2,722)	$1\frac{3}{16}$ (37) $1\frac{7}{16}$ (37)

*Specifications subject to change without notice

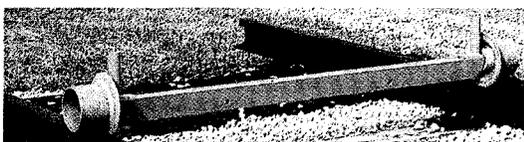
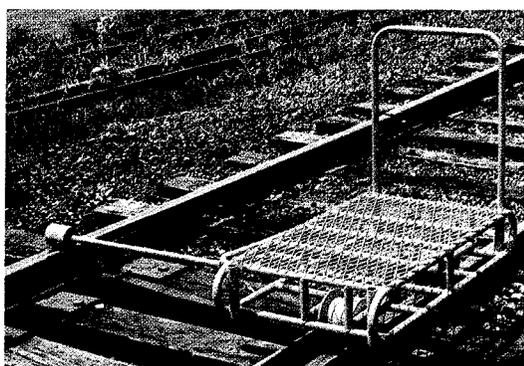
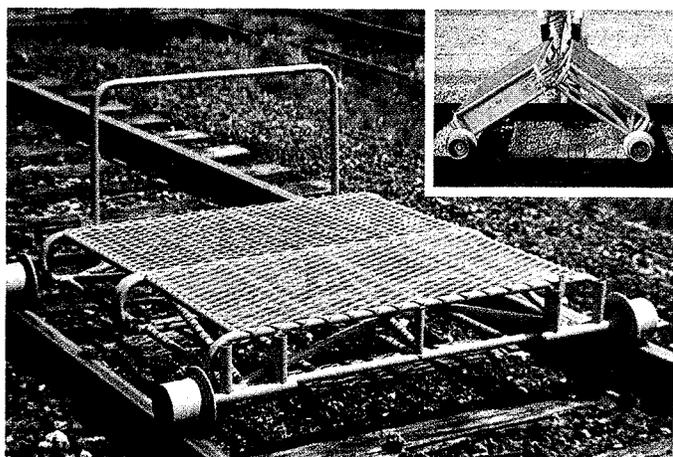
Note: Tread and flange on all wheels conform to A.R.E.A. Standards.

Note: For special axle sizes contact the factory.

5

Increase your material transportation and handling efficiency with a job-proven Nolan carrier. Loads of up to 5,000 lbs. are easily transported. Standard features inherent in all these fine products include:

- Fully Welded, All Steel, Tubular Frames
- Cast Aluminum Wheels with Pre-Greased, Sealed Ball Bearings
- Easy Handling
- Compact Design
- Large Load Capacity
- Available to Fit Your Track Gauge



SPECIFICATIONS*	RD-1	RD-2
Capacity: lbs. (kgs.)	2,000 (913)	2,000 (913)
Weight: lbs. (kgs.)	48 (22)	60 (27)
Wheel Diameter: in. (mm)	5 (127)	8 (203)

tool & supply carts

Convenience, durability and a 5,000 lb. load capacity have made Nolan's Tool and Supply Carts an industry standard. Easily handled by one person, the two-piece design merely "fits together" and locks securely. No screws, bolts or straps are required. Together, the sections form a large 46" x 45" heavy duty expanded metal deck. High carbon tubular steel forms the frame assembly. The push handle is removable and stake pockets provide for containment of deck area materials. The whole package is field proven to assure years of maintenance-of-way service.

SPECIFICATIONS*

Length (assembled)	56½" (1,435mm)
Width	63½" (1,613mm)
Height (with 5" (127mm) wheels and handle)	27½" (689mm)
Deck Height (above rails)	9½" (232mm)
Handle Weight	6 lbs. (3 kgs)
Deck Area	46" x 45" (1,168mm x 1,143mm)
Load Capacity	5,000 lbs. (2,268 kgs)

WHEEL SELECTION & WEIGHTS

Model TS-1
5" (127mm) dia. aluminum wheels
Total Wt. — 175 lbs. (79 kgs)
Wt./Section — 85 lbs. (40 kgs)
Model TS-2
8" (203 mm) dia. aluminum wheels
Total Wt. — 194 lbs. (88 kgs)
Wt./Section — 93 lbs. (44 kgs)
Model TS-3
5" (127 mm) dia. special ductile alloy wheels
Total Wt. — 201 lbs. (91 kgs)
Wt./Section — 108 lbs. (50 kgs)

*Specifications subject to change without notice.

TD-1 and TD-2 track dollies

The 1,500 lb. capacity Nolan Track Dolly is available in two models for use as a general maintenance carrier or inspector's dolly. Both TD models are made of the same high quality metals as Nolan's tool and supply carts. The TD-1 model is longer and slightly wider to more efficiently handle maintenance tools and materials. Both models utilize a "kickstand" type spike for added stability during loading and unloading.

TD-3 track dolly

Also offering a 1,500 lb. capacity, Nolan designed the TD-3 for larger, odd sized loads which might be impractical for the two wheel models. The same double flanged wheels and rugged construction are used. A stabilizing roller on a telescoping axle allows the 36" x 23" deck to accept larger sized loads, within the 1,500 lb. capacity. The removable handle may be installed on either end of the unit, and the stabilizer wheel and axle retract into the frame, easing transport and storage.

SPECIFICATIONS*

	TD-1	TD-2	TD-3
Length — in. (mm)	52½ (1,333)	36¼ (920)	43 (1,092)
Width — in. (mm)	15½ (394)	14 (356)	41¾ (1,060) ¹
Height (with handle) — in. (mm)	31 (787)	31 (787)	32½ (825)
Deck Hgt. (above rails) — in. (mm)	8¼ (210)	8¼ (210)	10½ (257)
Weight — lbs. (kg)	74 (33.5)	58 (26.3)	87 (39.5)
Load Capacity	1,500 lbs. (680 kgs.)		
Frame	High Carbon, Tubular Steel		
Deck	Heavy Duty, Non-Skid Expanded Metal		
Wheels	Cast Aluminum, Double Flanged ²		
Bearings	Pre-Greased, Sealed Ball Type		

¹Outboard roller retracted.

²Model TD-3 fully insulated.

*Specifications subject to change without notice.

RD-1 rail dolly

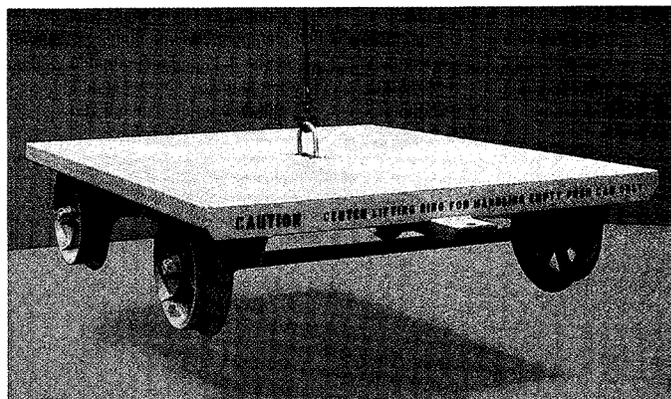
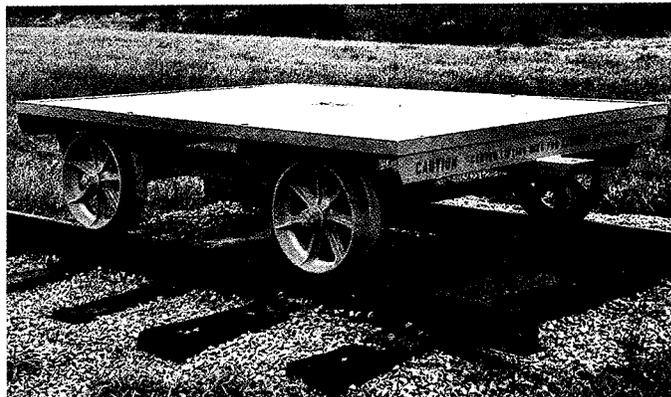
Move long materials with two or more Nolan rail dollies. These lightweight dollies have sockets for stakes and holes in the beam members for fastening or chaining rails, timbers, or similar loads.

push cars/trailers

Nolan's rugged push cars offer a 10,000 lb. load capacity. The well-designed structural steel frame makes the push cars extra strong to handle the tough working conditions of the railroad industry.

- Steel treadplate or treated tongue and groove wood deck
- Rigid structural steel frame
- One-piece continuous drawbar with reinforced eye
- One-piece solid axles ride in pillow block roller bearings
- 39½ sq. ft. (3¾ sq. m.) deck area
- Center lift ring aids handling

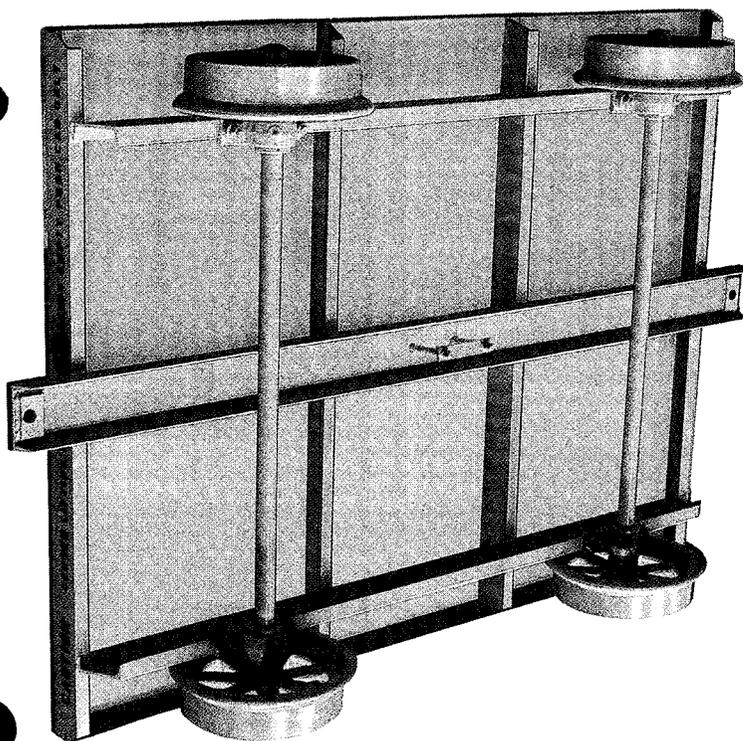
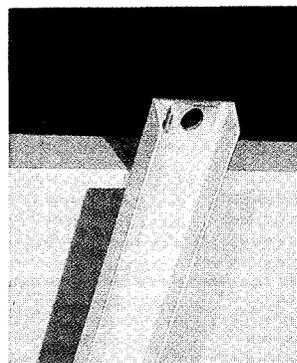
Nolan's push cars are designed keeping weight in mind. A new, retractable, center lift ring has been added to help in handling the empty push car. Options include stake pockets, deck dump sills, and brakes (two or four wheel). Nolan offers "special application" cars with capacities up to 40,000 lbs. (18,144 kgs.) Nolan has details.



SPECIFICATIONS*

	PC-10S	PC-10W
Load Capacity: lbs. (kgs.)	10,000 (4,536)	10,000 (4,536)
Deck Construction	Steel Treadplate	Treated Tongue & Groove Wood w/Angle Iron Frame
Weight: lbs. (kgs.)	1,100 (499)	1,100 (499)
Overall Width: in. (mm)	67½ (1,714)	67½ (1,711)
Overall Length: in. (mm)	96 (2,438)	96 (2,438)
Deck Size: in. (mm)	67¼ x 84½	67½ x 85
Deck Hgt. (above rail): in. (mm)	(1,708 x 2,146)	(1,711 x 2,159)
Wheelbase: in. (mm)	18½ (470)	19½ (505)
Wheelbase: in. (mm)	50 (1,270)	50 (1,270)
Coupling Height: in. (mm)	14¼ (362)	14¼ (362)

*Specifications subject to change without notice.

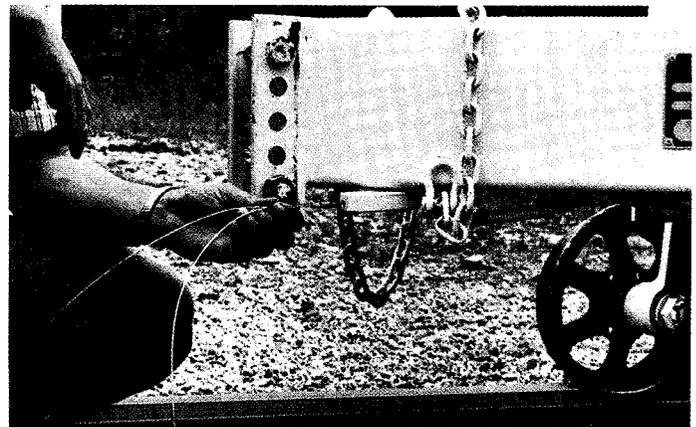


Nolan's Track-Trailer is a very versatile performer for a multitude of maintenance-of-way jobs. The TT-100-8 has a large 46" wide by 96" long bed to fully utilize the 5,000 lb. load capacity. Twelve inch (305mm) high sideboards help secure loads, while removable front and rear end gates ease loading and unloading.

Equipped with a winch, a rear roller guide and rail locking clamps in front and rear, Nolan's Track-Trailer will save time and money on spot rail replacement jobs. The unit is wired to meet lighting requirements on the road or on the rails. A hydraulic pump raises and lowers the guide wheels when necessary. "Break-away" brakes are standard equipment, and will automatically apply the trailer brakes when the system is in use should the trailer become separated from the hauling vehicle.

TT-100-8's have been adapted to carry air compressors, spraying equipment, generators with work lights, and for other special applications.

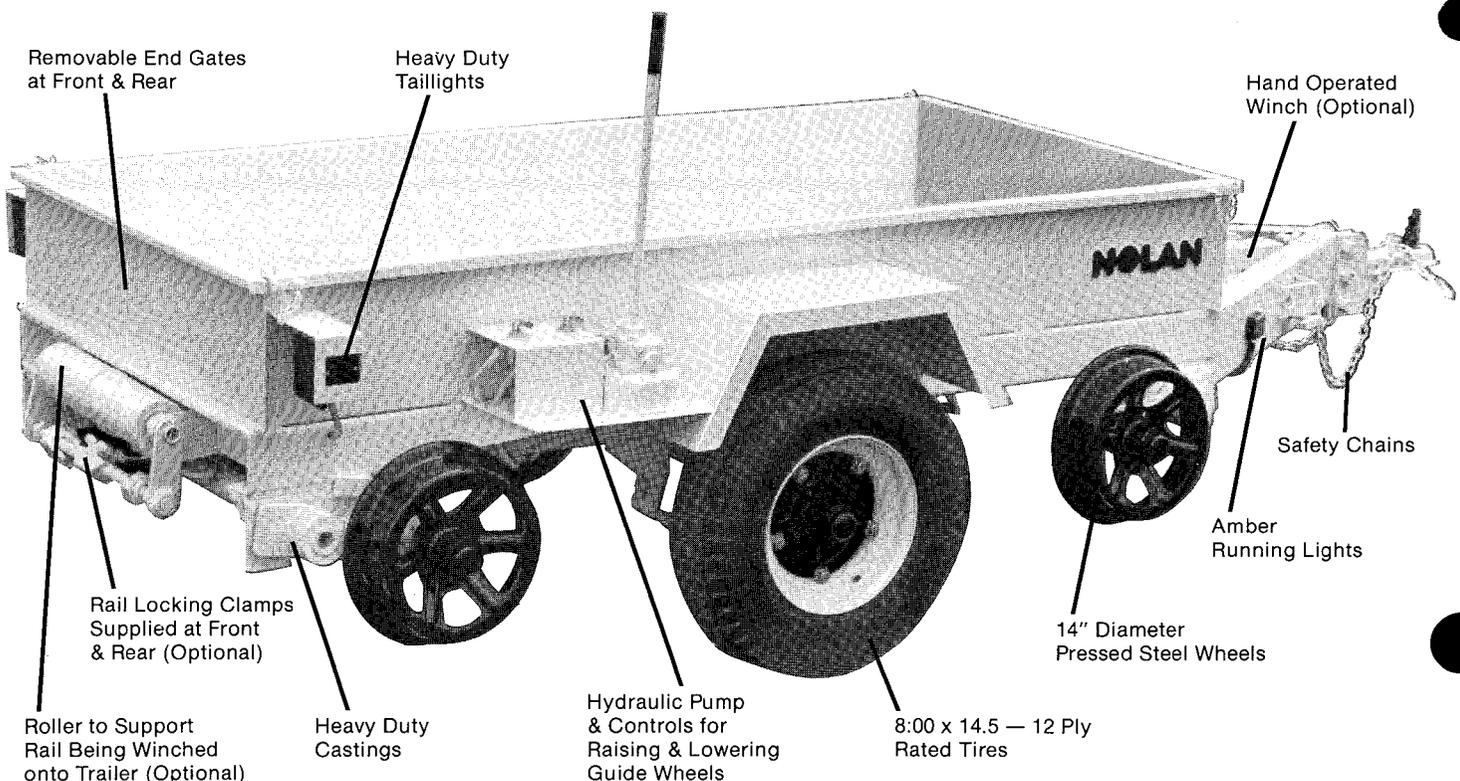
TT-100-B TRAILER



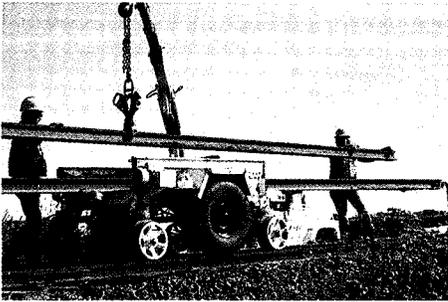
SPECIFICATIONS* — TT-100-8

Load Capacity	5,000 lbs. (2,250 kgs.)
Length	12'5½" (3,798mm)
Width	72" (1,829mm)
Height (to top of sideboard)	37" (940mm)
Weight	1,600 lbs. (720 kgs.)
Deck Area	46" x 96" (1,168mm x 2,438mm)
Suspension	Multi-leaf springs

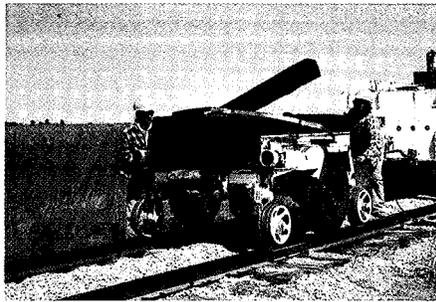
*Specifications subject to change without notice.



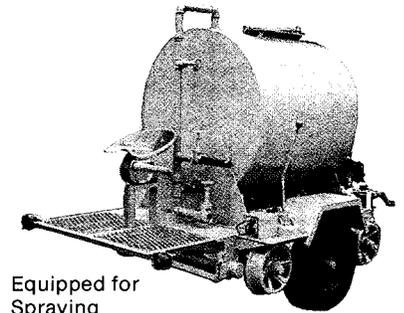
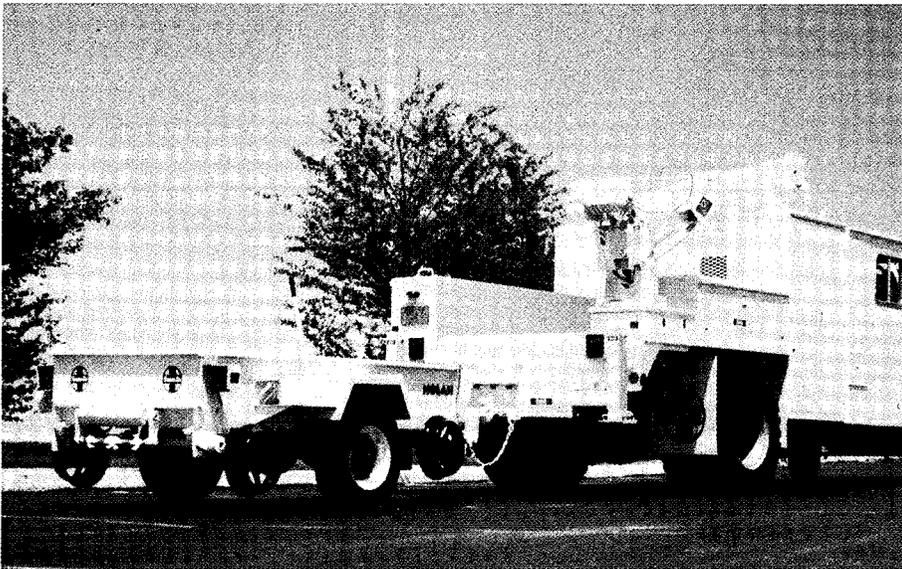
Load & Haul Rail



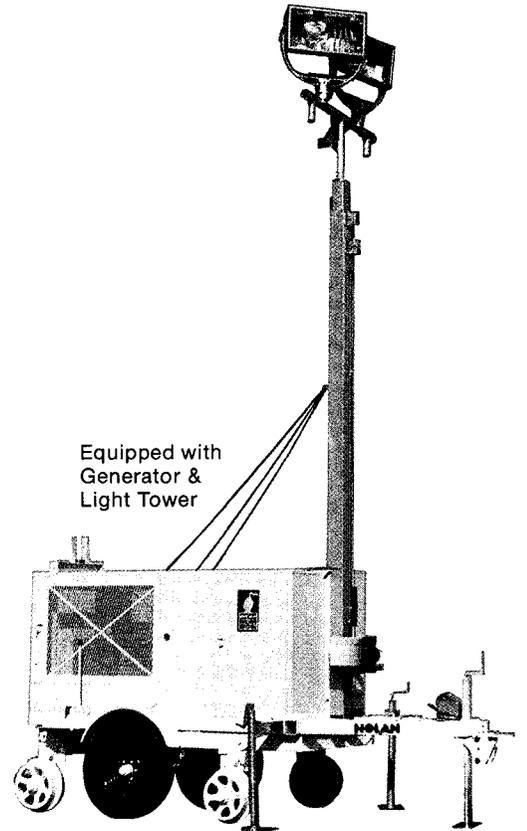
Hauling Ties



Rail Locks to Trailer



Equipped for Spraying



Equipped with Generator & Light Tower

9

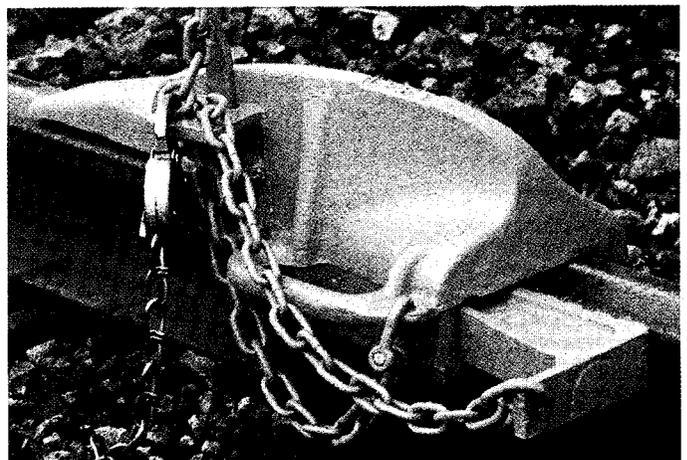
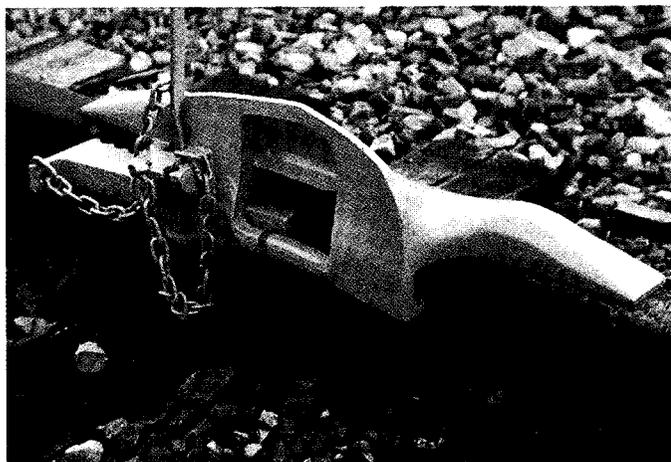
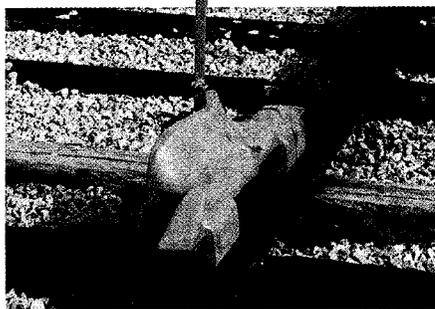
derails — portable, sliding & hinged types

PD portable derails

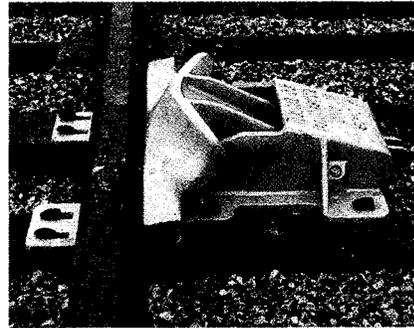
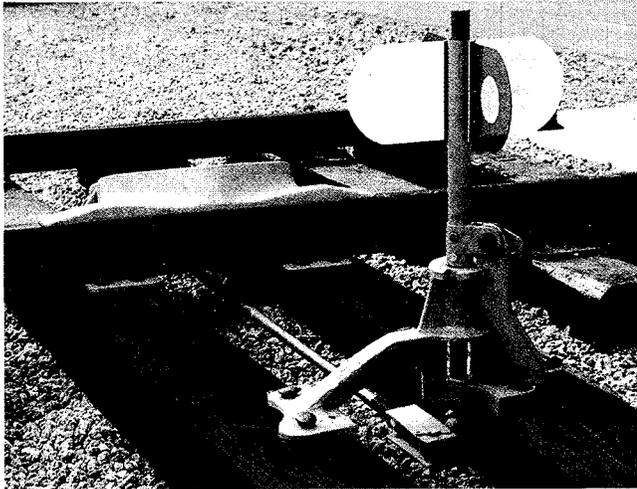
Nolan portable derails are available in both double end (models PD-1 and PD-2) and single end (models PD-3R and PD-3L) designs. Lightweight, tough, easily and quickly installed, they provide protection for track crews anywhere. All models are cast from an extremely durable ductile alloy. Wedge type clamps secure the derail and flag to the rail head. The 48" (1219mm) high detachable, reflectorized "Derail" blue flag, standard on all models, can be padlocked in position along with the wedge, to comply with F.R.A. regulations. Available in both right hand and left hand designs, the PD-3 is an extra heavy duty unit, made to handle steel mill billet or ladle cars, as well as other exceptionally heavy cars.

SPECIFICATIONS*	PD-1	PD-2	PD-3L	PD-3R
Length: in. (mm)	32½ (826)	19¾ (502)	21½ (537)	21½ (537)
Weight: lbs. (kgs.)	71 (32)	43 (20)	73 (33)	73 (33)
For Use on Rails: lbs. (kgs.)	60 to 132 (30 to 66)	20 to 60 (10 to 30)	60 to 132 (30 to 66)	60 to 132 (30 to 66)

*Specifications subject to change without notice.



10



SD sliding derail

Nolan's model SD sliding derail has a rugged double end design for permanent installation. Like all of Nolan's derails, the model SD is cast in a special ductile alloy. It adjusts automatically to most popular rail heights. An optional model LS heavy duty cast operating stand with an easy to use throw handle is available. The handle may be padlocked in either position. The hole vane in red and the solid vane in white are bolted through the shaft to ensure alignment.

SPECIFICATIONS* — SD

Length	32 $\frac{3}{4}$ " (832mm)
Weight	220 lbs. (100 kgs.)
For Use on Rails	85 to 140 lbs. (42 to 70 kgs.)
Model LS Operating Stand: Weight	81 lbs. (37 kgs.)

*Specifications subject to change without notice.



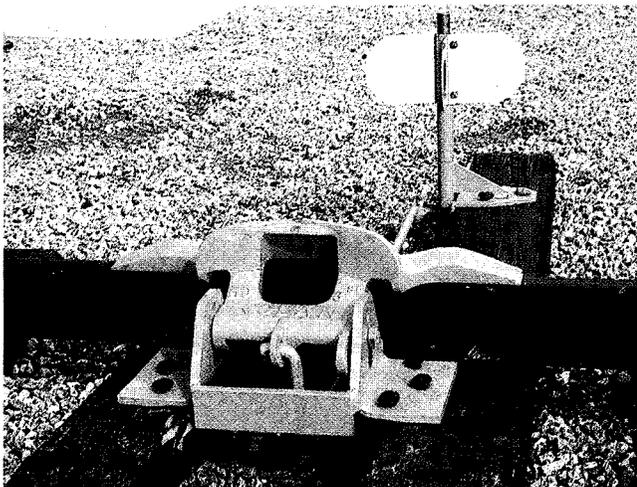
HD hinged derail

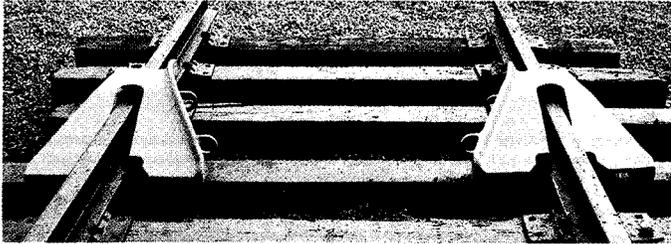
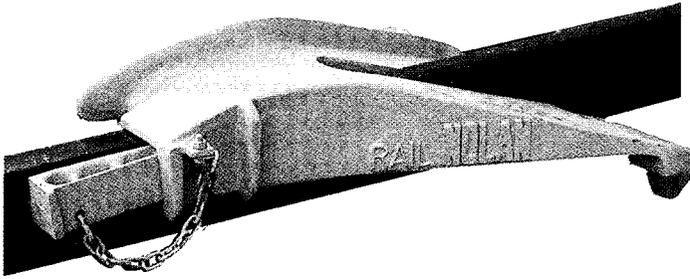
Nolan's hinged model HD is a high quality double end derail of special ductile alloy casting. The rugged steel base is spiked directly to the ties and features a three-position derail mounting for use on rails as high as 7 $\frac{1}{8}$ " (181mm). The optional model SS target stand is complete with connecting rod, adjustable throw arm, base, and signal vanes. The HD may also utilize an optional blue flag. Both the HD, and the blue flag (model HDF-2) may be padlocked in either position.

SPECIFICATIONS* — HD

Length	30 $\frac{3}{8}$ " (778mm)
Weight	100 lbs. (45 kgs.)
For Use on Rails	60 to 133 lbs. (30 to 66 kgs.)
Model SS Target Stand: Weight	40 lbs. (18 kgs.)

*Specifications subject to change without notice.





model DW

Nolan's DW rerailler has a long, low-profile, two-sided design, ideal for a wide variety of equipment. With Nolan's DW, it is possible to engage derailed wheels farther from the rails than with most other designs, and wheels can be retracted from either one side or both sides. Placed with the exclusive "tie cleats" firmly against the first open tie ahead of the derailed wheels, the dual action locking wedge is driven into the front of the reraillers. The wedge prevents both sliding and tipping. The only tool required for installation is a hammer. Blocking may be necessary.

SPECIFICATIONS*	DW-5	DW-5½
Load Capacity: tons	100	200
Weight/Pair: lbs. (kgs.)	360 (163)	344 (156)
For Use on Rails: lbs. (kgs.)	70 to 100 (35 to 50)	85 to 140 (42 to 70)

*Specifications subject to change without notice.



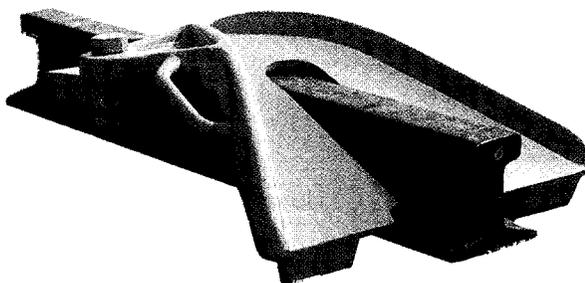
model SW

The Nolan SW rerailler can be spiked to the tie or clamped to the rail with an optional, wedge-type locking system. Either way, the SW is easily and quickly installed for general use to retrack all types of locomotives and cars smoothly and efficiently. The SW, like all of Nolan's reraillers, is cast in a special ductile alloy. Lugs on the underside of the units prevent sliding past the first tie.

SPECIFICATIONS*	SW-A	SW-B
Load Capacity: tons	100	200
Weight/Pair: lbs. (kgs.)	242 (110)	326 (148)
For Use on Rails: lbs. (kgs.)	85 to 100 (42 to 50)	110 to 140 (55 to 70)

Model SW-C: Optional Clamp for A & B, 54 lbs./pair

*Specifications subject to change without notice.



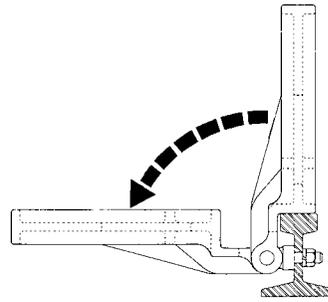
model CW

The Nolan model CW rerailler is designed specifically for mine, quarry, and industrial applications. Used in pairs, right and left, the special guide groove design permits retracking wheels from either or both sides simultaneously. A steel cam tightens and locks against the rail head as the car wheel tries to push the rerailler. This unit works efficiently even with unusually high or badly worn wheel flanges.

SPECIFICATIONS*	CW-3	CW-3½
Load Capacity: tons	15	20
Weight/Pair: lbs. (kgs.)	100 (45)	132 (60)
For Use on Rails: lbs. (kgs.)	30 to 60 (15 to 30)	40 to 80 (20 to 40)

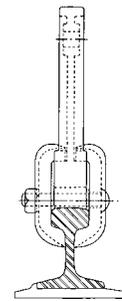
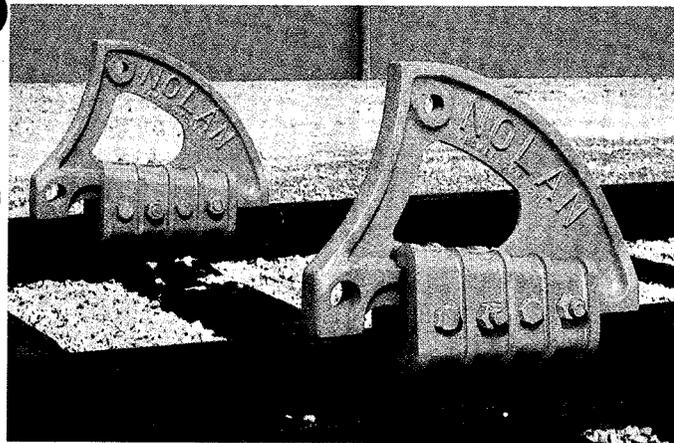
*Specifications subject to change without notice.

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model CS-60

Nolan's model CS-60 is a hinged type car stop designed for permanent installation on either flush or exposed rails. In the raised position, the CS-60 protects workers, warehouse doors, crossover walks, etc., or it swings down out of the way. The CS-60 may be padlocked in either the up or down position.



model CS-50

The Nolan model CS-50 is a worldwide industry favorite for use when heavy and expensive bumping posts are not required. Rugged yet simple to handle and attach, the CS-50 utilizes four 1" (25mm) diameter bolts and two wedge-type clamping plates for mounting. As the car bumps the CS-50, the wedge design tightens its hold on the rail. No drilling is required when mounting these car stops that are cast in special ductile alloy.

model CCS-1

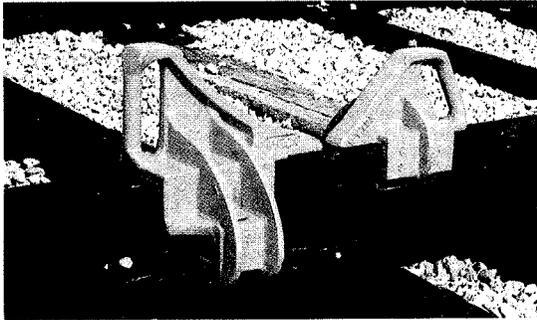
The Nolan CCS-1 is the ultimate in simplicity, durability, and practicality. By extending the stop members to two ties and utilizing the ballast friction, the CCS-1 provides a positive yet cushioned stop. Contact surface design, as well as locking bolts under the rail, restrict any rising tendencies of the CCS-1 when in use.



SPECIFICATIONS*

	CS-60	CS-50	CCS-1
Weight/Pair: lbs. (kgs.)	182 (83)	242 (110)	270 (123)
For Use on Rails: lbs. (kgs.)	Specify	60 to 140	60 to 140
	Rail Size	(30 to 70)	(30 to 70)

*Specifications subject to change without notice.

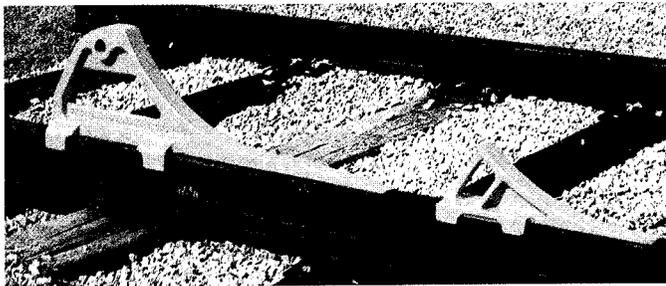


model C car blocks

Nolan's lightweight and strong model C car blocks have a rotating cam locking device for extra safety. They lock so tightly to the rail that they are used daily on barges to prevent car movement. The model C-3 is specially designed as a crane block, and is very popular in mills and wherever overhead cranes are used.

SPECIFICATIONS*	C-1	C-2	C-3
Weight Each: lbs. (kgs.)	26 (12)	39 (18)	50 (23)
For Use on Rails: lbs. (kgs.)	60 to 85 (30 to 42)	85 to 140 (42 to 70)	135 to 175 (67 to 87)

*Specifications subject to change without notice.

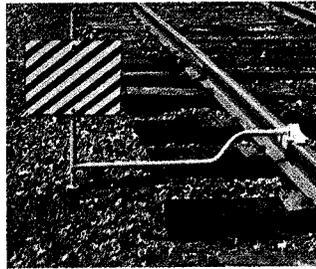


S-1 & RS-1 rail skates

Nolan offers two styles of rail skates. These special ductile alloy castings are designed to carry car wheels and prevent flat spots or other damage when wheels are locked and skidding occurs. No tools are necessary for installation.

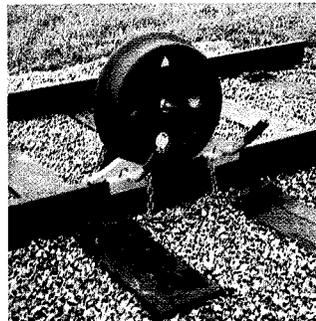
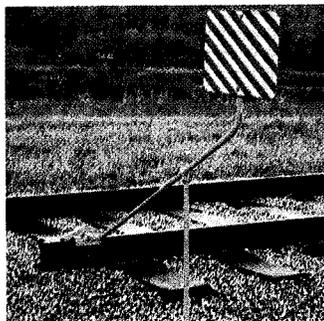
SPECIFICATIONS*	S-1	RS-1
Weight/Pair: lbs. (kgs.)	102 (46)	29 (13)
For Use on Rails: lbs. (kgs.)	85 to 140 (42 to 70)	85 to 140 (42 to 70)

*Specifications subject to change without notice.



WC wheel chocks

Nolan wheel chocks are used for fast temporary blocking of all types of rail cars. We offer a full line to meet various needs and budgets. All models fit 60 to 140 lb. (30 to 70 kg.) rails.

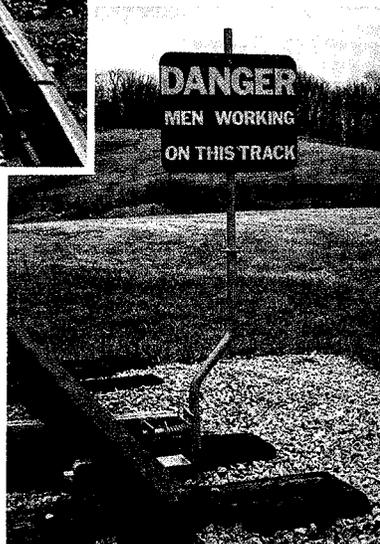
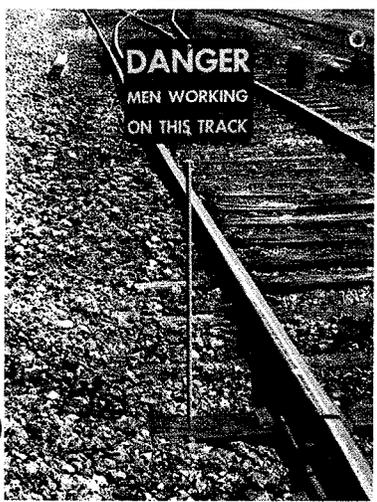


SPECIFICATIONS*		Weight Each
Model	Description	
WC-1	Single chock w/handle	8 lbs. (4 kgs.)
WC-2	Single chock w/ extended striped flag	13 lbs. (6 kgs.)
WC-3	Single chock w/ extended striped flag	17 lbs. (8 kgs.)
WC-11	Two WC-1 chocks linked with chain	20 lbs. (9 kgs.)
WC-21	WC-2 linked to WC-1 with chain	22 lbs. (10 kgs.)
WC-31	WC-3 linked to WC-1 with chain	26 lbs. (12 kgs.)

*Specifications subject to change without notice

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blue flags



All Nolan blue flags are economical, lightweight and quickly installed. The flags themselves feature a tough, baked enamel, blue background with bold **white reflective letters** as standard equipment.

model BFC

Gravity-lock scissors clamp holds flag securely to rail. This model, like the BFS, is for portable use.

model BFS

Durable blue flag mounted to a sharp, pointed staff for rapid setting by stabbing into tie or ground.

model BFP

For permanent installation, the hinged design allows the flag to be laid flush with the ground when not in use. Mounted inside or outside of either rail, the BFP may be padlocked into the desired position, up or down.

SPECIFICATIONS*

Model	Description	Weight Each
BFS	Spike type staff	6 lbs. (3 kgs.)
BFC	Clamp type staff	8 lbs. (4 kgs.)
BFP	Hinged type staff	19 lbs. (9 kgs.)

*Specifications subject to change without notice.

All models include one flag. Specify flag from the list of signs below.

standard flags

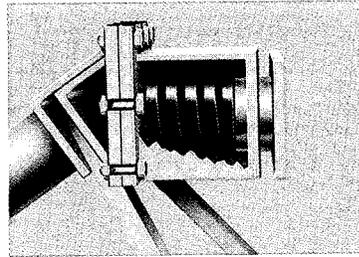
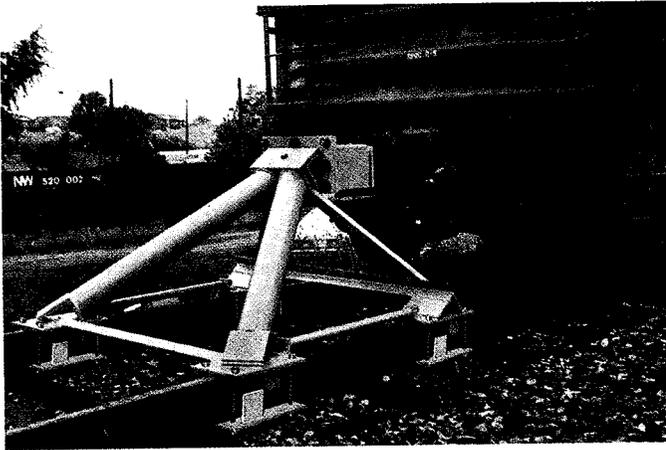


SPECIFICATIONS*

Model	Description	Size: in. (mm)
BF-1	"STOP"	12 x 15 (305 x 381)
BF-2	"DERAIL"	Diameter: 11 (279)
BF-3	"STOP — TANK CAR CONNECTED"	12 x 15 (305 x 381)
BF-4	"DANGER — MEN WORKING ON THIS TRACK"	12 x 15 (305 x 381)

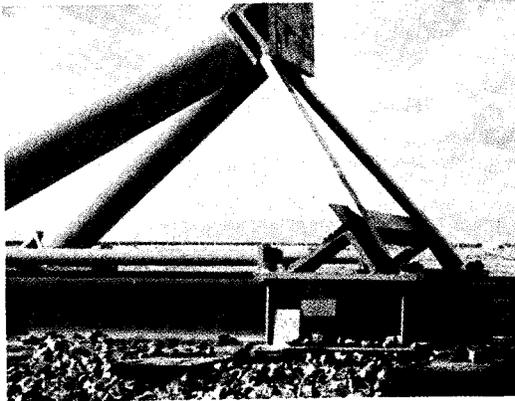
*Specifications subject to change without notice

15



bumping posts

Nolan offers a range of bumping posts, all of which can be installed with ordinary hand tools. There is no center rail, and spiking is unnecessary. All models clamp to the rails at all four corners. Attached pads rest securely against the ties. Impact force is transferred down into the ties, providing a cushioned stopping action. An additional cushion head is available as an option.

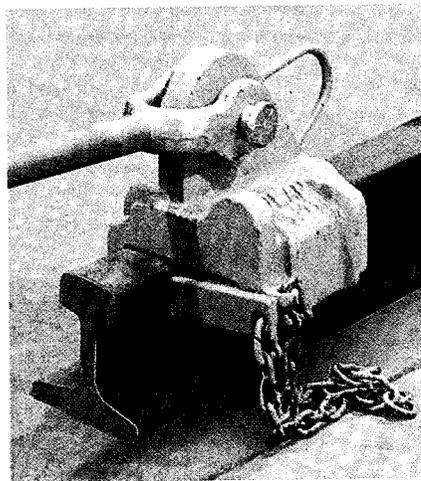


SPECIFICATIONS*

Model	Type	Length in. (mm)	Weight lbs. (kgs.)	Yield Point lbs. (kgs.)
SBP	Standard	76% (1,946)	1,045 (474)	486,000 (220,449)
HDBP	Heavy Duty	76% (1,946)	1,150 (522)	804,000 (364,694)
TBP	Transit	Built to Specifications and Orders		
CH	Cushion Head (Optional)	N/A	500 (227)	N/A

*Specifications subject to change without notice.

Note: When ordering a bumping post with optional cushion head, add "CH" to model number of post being ordered.



model RP-1

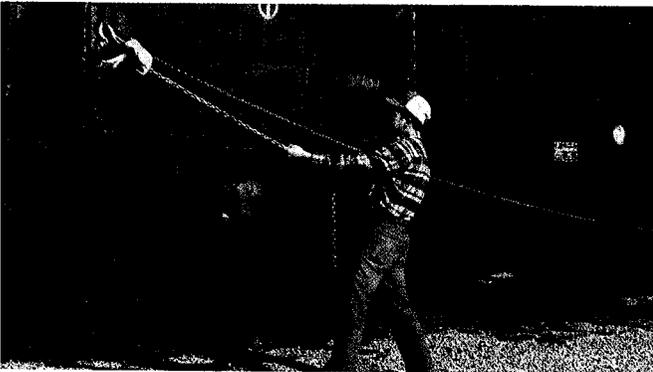
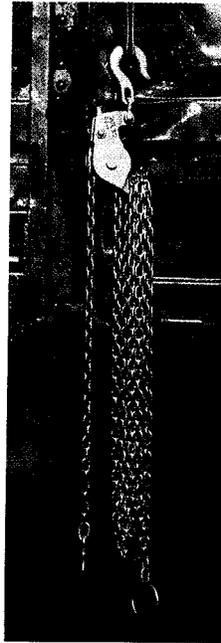
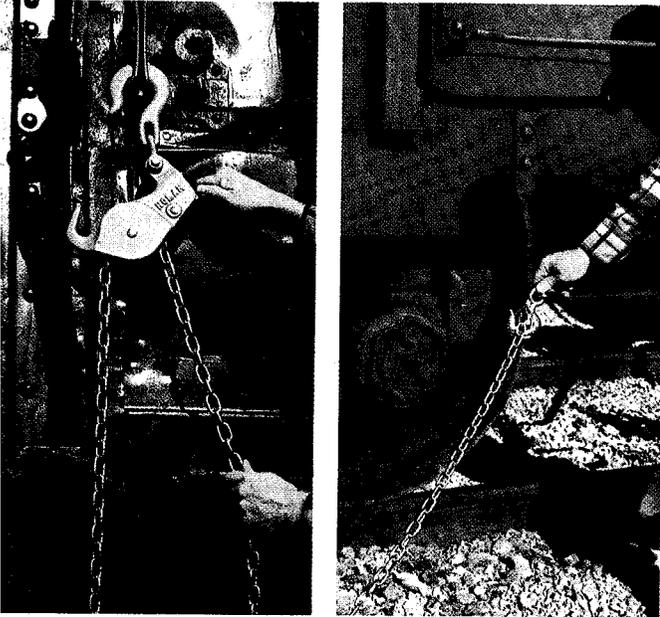
Nolan's rugged cast steel rail puller has the strength, versatility and ease of handling to increase your ribbon rail handling efficiency. The convenient locking wedge, securely fastened to the puller, holds rails for removal from rail trains and in accurate positioning for welding. The unit is designed for easy attachment and removal.

SPECIFICATIONS* — RP1

Weight Each	46 lbs. (21 kgs.)
For Use on Rails	100 to 140 lbs. (50 to 70 kgs.)
Clevis Pin Diameter	1 1/8" (35mm)

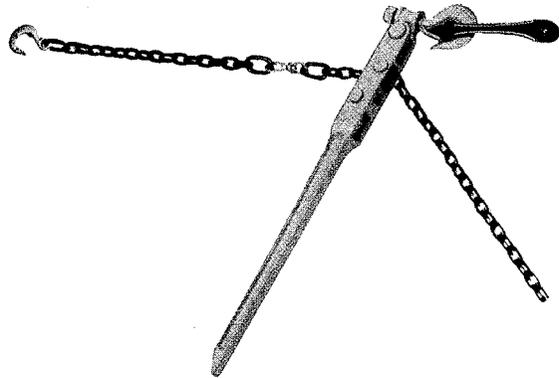
*Specifications subject to change without notice.

one man door opener & closer



model H

Using the mechanical advantage generated by Nolan's model H car door opener, one person can open or close the door of any freight car — even stubborn, bulky doors — in about 20 seconds. The universal Nolan hook and free swing link allows the use of the system on all types of car doors and handles. A spring-actuated pawl permits the opener to operate in any position, guaranteeing non-slip action.



model S

Nolan's model S car opener utilizes a ratchet to open and close freight car doors when operating in tight quarters. With the ratchet action providing 2,000 lbs. (907 kgs.) of pull, even stubborn doors can be "walked" open in 1½ minutes. The universal-jointed door hook permits operation in any position.

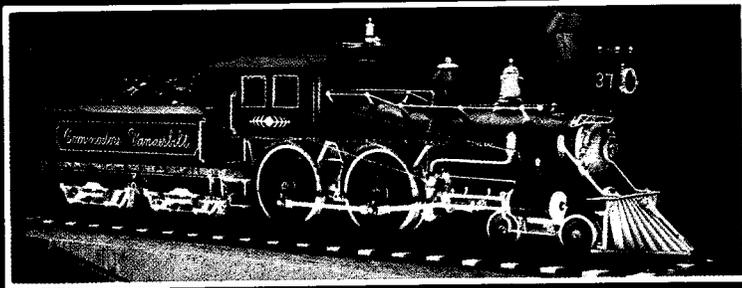
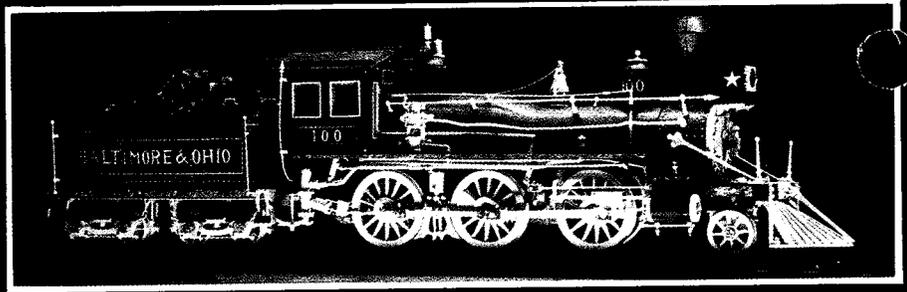
SPECIFICATIONS*

	H	S
Type	High Speed	Heavy Duty
Weight Each: lbs. (kgs.)	26 (12)	26 (12)

*Specifications subject to change without notice.

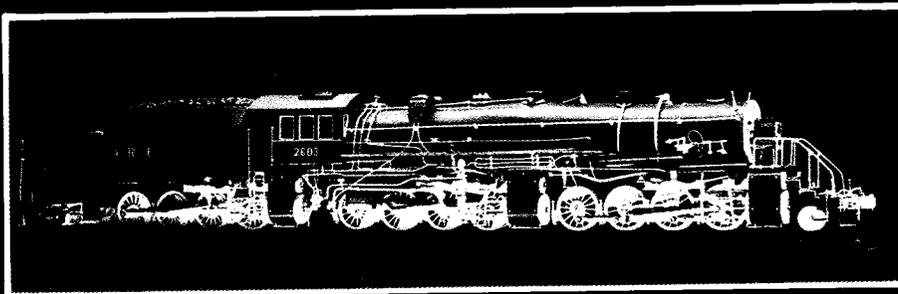
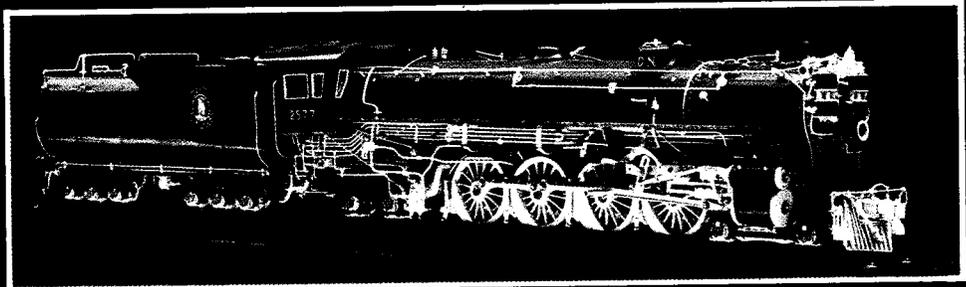
Note: Chain has a break rating of 2,600 lbs. (1,179 kgs.)

1876



1870

1930



1913

the
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1852

