NODWELL

TRACKED CARRIERS

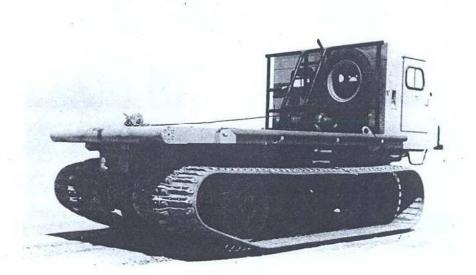
Now the "Go Everywhere Tracks" of Nodwell Tracked Carriers open vast areas of frontier to exploration and development — operating across country, in all seasons of the year, at less cost per ton mile, over virtually impassable terrain! With the successful application of the principle of floatation, fully loaded Nodwell Tracked Carriers achieve ground pressures of less than two pounds per square inch. Men and equipment are given immediate mobility from the tropics to the Arctic, over swamp, bog, snow or muskeg. Each carrier is carefully designed, reducing weight and yet maintaining essential rugged, heavy duty characteristics. Most important to the Nodwell's light footed tread are the tough, broad, endless tracks of rubber and steel, on which it rolls. Versatility is built-in. In fact, each of the seven Nodwell Tracked Carrier models provides ready adaptability to every transportation requirement.



NODWELL MODEL RN 21
TRACKED SCOUT CARRIER — Load capacity 2,100 lbs. See Page 3.

NODWELL MODEL RN 110

TRACKED CARRIER - Load capacity 11,000 lbs. See Pages 6 and 7.



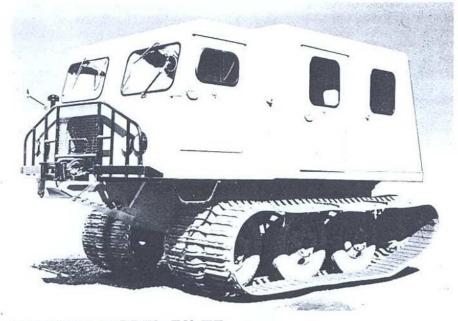
NODWELL MODELS RNS AND RNL

PULPWOOD SKIDDER AND LOGGER. See Page 8.





NODWELL MODEL RN 50
TRACKED CARRIER — Load capacity 5,000 lbs. See Page 4.

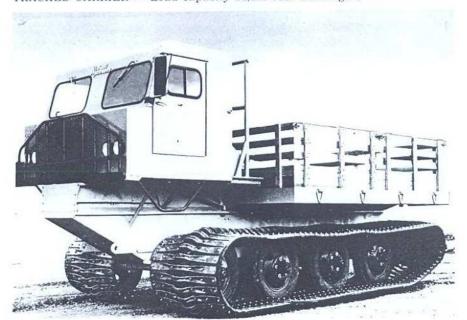


NODWELL MODEL RN 75
TRACKED CARRIER — Load capacity 7,500 lbs. See Page 5.

TRACKED CARRENT ESTATE OF ENGINEERING STREET, STREET,

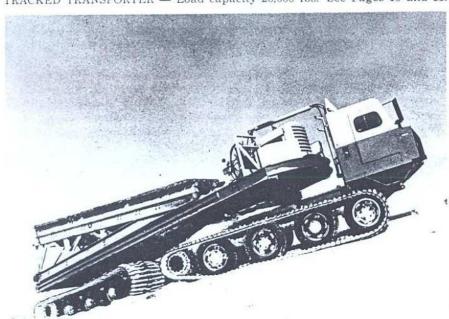
NODWELL MODEL RN 140

TRACKED CARRIER - Load capacity 14,000 lbs. See Page 9



NODWELL MODEL RN 200

TRACKED TRANSPORTER - Load capacity 20,000 lbs. See Pages 10 and 11.



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FEATURES OF NODWELL OFF-HIGHWAY CARRIERS

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GROUND BEARING PRESSURE

Each unit designed and engineered to obtain a ground bearing pressure of two pounds or less per square inch under full rated load.

CARRYING CAPACITY

Each unit designed to provide maximum clear load area while maintaining proper weight distribution for optimum mobility from no load to maximum load.

MOBILITY

All-weather, year-round mobility through muskeg, bush, bog, gumbo, snow, swamp and rugged terrain. Negotiates 60% grades and/or 30% side slopes.

SPEED

All units are designed for maximum speed of 12 miles per hour, considered the most practical speed for conditions under which this equipment is designed to operate. However, where required, optional gear ratios may be supplied to give speeds up to 25 miles per hour.

CHASSIS

Back-bone type frame used exclusively by Nodwell on tracked carriers.

- Makes possible increased ratio of track width to vehicle width, thereby minimizing machine width.
- Permits advantageous single wheel suspension.
- Eliminates need for external axle supports.
- Provides maximum clear load area.
- Allows torsional movement of frame which minimizes stress concentrations.

STEERING

All two track units have controlled differential steering to maintain active powered tracks at all times. The controlled differential also provides a braking function when steering levers are applied simultaneously. The Nodwell RN 200 four-track unit has powered steering which permits full power application to all four tracks, at all times.

FINAL DRIVES

All two-track units have controlled differential final drives with outer planetary reduction gears built within the hub of the drive sprockets. This reduces torque requirements of power train and minimizes stress and strain. Model RN 200 employs a standard truck type differential with outer planetary reduction gears.

Outer planetaries not used on model RN 21.

RUNNING GEAR

- Three dimensional running tracks provide maximum trackto-ground contact at all times.
- Each wheel has independent crank arm with torsion spring suspension, permitting independent vertical movement.
- The single wheel-to-grouser contact allows tracks to conform to every lateral ground contour.
- Flexible tracks of rubber-cotton-nylon belts with steel grousers follow irregular contours of terrain.
- The exclusive rear drive overload sprocket and track grouser design provides positive belt retention under all conditions. It also maintains tension of tracks at ground contact, giving maximum driving action.
- Grouser bars of high tensile, heat treated spring steel, designed to give maximum track flexibility and stability. Grouser bars with rubber inserts, for special applications, are optional.
- Track tension is adjustable.

ENGINES

Diesel engines and more powerful gasoline engines are available as an option.

ENGINEERED FOR SIMPLICITY OF MAINTENANCE

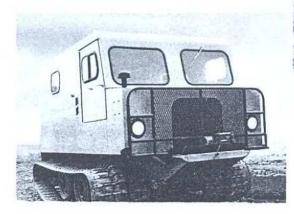
- Engines, transmissions, power train components, hubs, sealed bearings, wheels and tires, hydraulics and instruments, are standard commercial components.
- Running gear incorporates exclusive features of quickopening tracks; single wheel and split axle assemblies with removable spindle, providing easy accessibility for service.
- All final drives are completely integrated units, designed around, and comprised of, independent components, each of which is easily accessible for service.
- Engine servicing can be quickly carried out.



3-Axle Tracked Scout Carrier

LIGHT WEIGHT RECONNAISSANCE CARRIER

Reconnaissance vehicle, courier, outrider — the Model RN 21 is a most economical complement to a field team of other Nodwell Tracked Carriers. Load rated at 2,100 pounds, it is the light weight of the Nodwell line. With or without a personnel body, the RN 21 carries men, and freights light supplies to and from camp. Its maneouverability makes it ideal for scout and survey work. The 28 inch tracks touch the ground with barely 1.45 p.s.i., and speed along at up to 25 miles an hour. The RN 21 uses the Nodwell No. 12 controlled differential (without outer planetaries).





Grades up to 60% and side slopes up to 30% present no problem to the sure footed Nodwell RN 21, pictured here with personnel body.

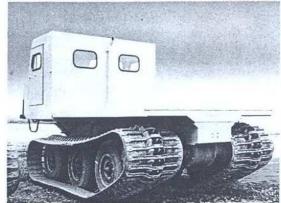


As illustrated here on the RN 50, Nodwell Tracks are self-aligned by the carrier's tires running in the formed portions of the grouser bars.

JOB-PROVEN ECONOMY CARRIER

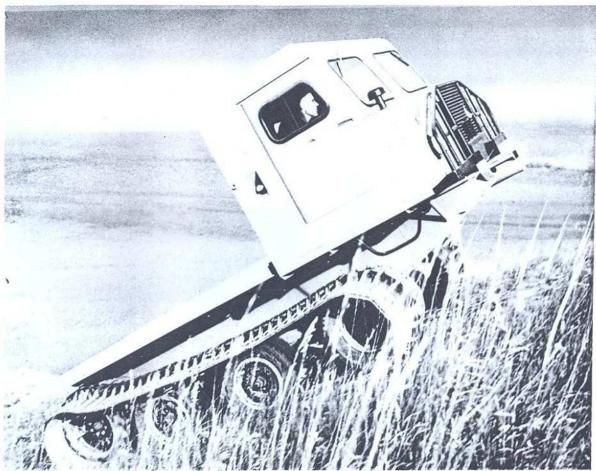
Here is the hard working economy carrier that gets on with its job despite lack of proper access roads! The MODEL RN 50, like all Nodwell Tracked Carriers, travels off the highway on its own rugged "go everywhere tracks". It can trek into the back country with a payload of 5,000 pounds, transporting a seismic crew with their cable, geophone and shooting equipment. Depending on whether it is fitted with a 7 by 9 foot flat deck, or equipped with a personnel body, the RN 50 can also be perfectly adapted to pipeline patrol, off-highway construction use, or other general duty operations. It employs 32 inch wide tracks. Using a Nodwell No. 12 controlled differential with outer planetaries as standard equipment, it operates at speeds up to 12 miles per hour. Speed can be increased to 25 miles per hour with the installation of an optional No. 15 controlled differential without outer planetaries.

Rear view showing patented rubber toothed drive sprocket A centre row of steel overload teeth come into contact with the metal track grousers only under extreme drive load conditions.

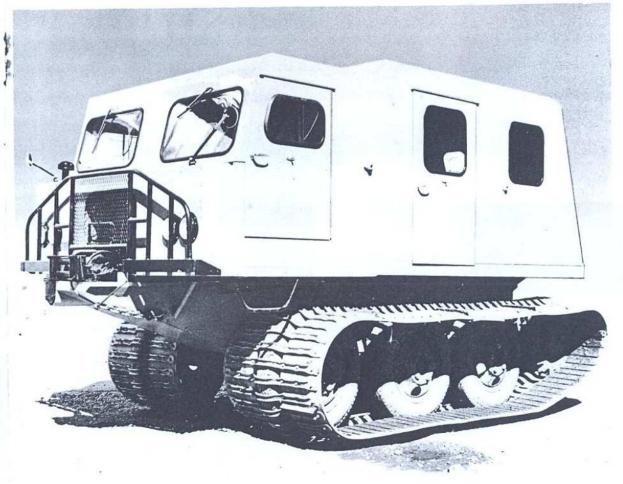


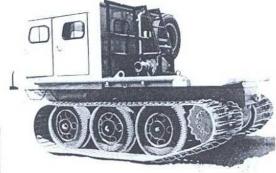
MODEL RN 50

3-Axle Tracked Carrier



3-Axle Tracked Carrier

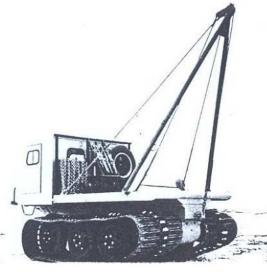




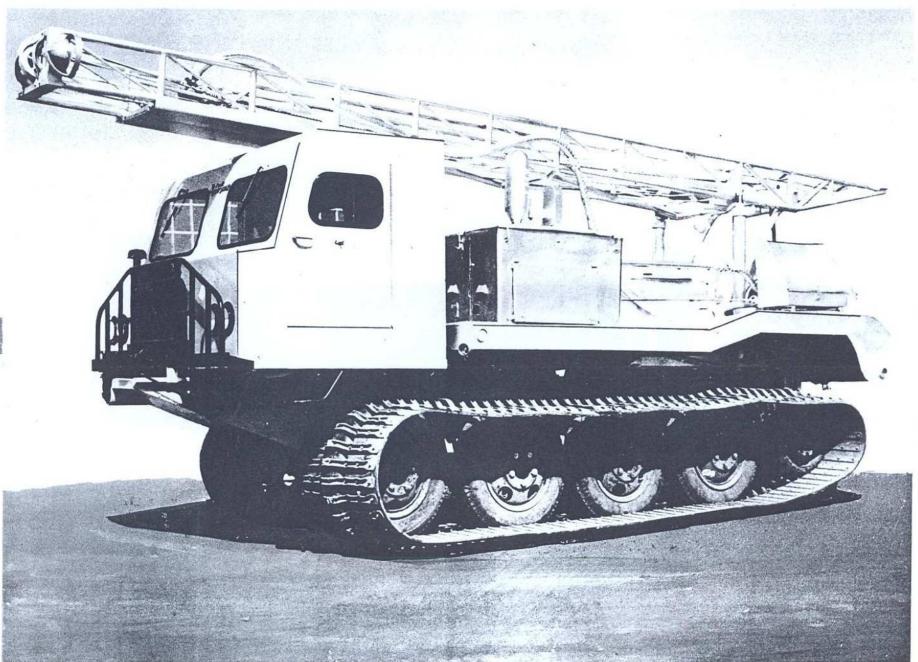
The versatile RN 75 shown here incorporates a six man personnel body with a rear flat deck equipped with winch, gin poles and headache rack for service work and freight handling.

UNLIMITED JOB POTENTIAL

Sixteen inch clearance is one more reason why nothing is impassable for a MODEL RN 75! Because it never bogs down in swamp, gumbo, or heavy snow, the RN 75 is the ideal all-purpose carrier, working year round, in every kind of climate. Its broad 40 inch tracks and No. 15 controlled differential with outer planetaries, move it into the heavy duty class, rated at 7,500 pounds payload. On pipelines, heavy construction and road location work, varied payloads can be handled with flat deck, stake racks or personnel body. For seismograph exploration, light drills or water tanks can be mounted on the chassis. Adaptation is as unlimited as the variety of jobs the RN 75 is called upon to perform!



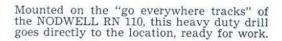
The RN 75 equipped with an oilfield flat deck including rear winch, gin poles and headache rack.



4-Axle Tracked Carrier

WORK HORSE OF THE WILDERNESS

With a clear deck area of 7 feet by 12 feet, and a carrying capacity of 11,000 pounds, the MODEL RN 110 is a truly versatile, heavy duty carrier. It is a 4-axle machine with an 8 cylinder, 292 cu. in. engine, as compared to the 3-axle RN 75. with a 6 cylinder, 223 cu. in. engine. It has been proven a vital unit for economical transportation of equipment and supplies in exploration and development programs. Treads 40 inches wide give massive track area, and the RN 110 pushes invincibly for-. ward over any terrain, regardless of climate. This carrier has conclusively proven its worth carrying loads equal to its own weight, transporting heavy seismic drills, and pulling sleigh trains in the Canadian North.

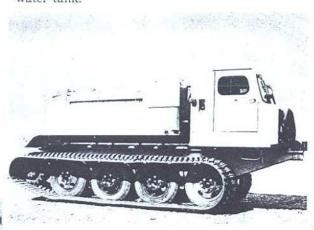




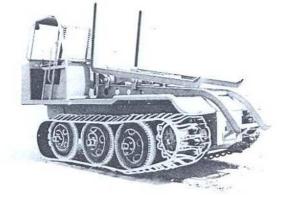
The RN 110 is pictured above with a 24 man Kitchen-Diner with expandable wall sections. For details on complete Nodwell Tracked Camp Units refer to Page 13.



Here, as work companion to a seismic drill, a MODEL RN 110 has been fitted with a 650 Imperial Gallon water tank.



MODEL RNL LOGGER The Nodwell Logger features the exclusive Nodwell trolley skip with vacuum cable release for pulpwood forwarding and attains speeds up to 12 miles per hour.



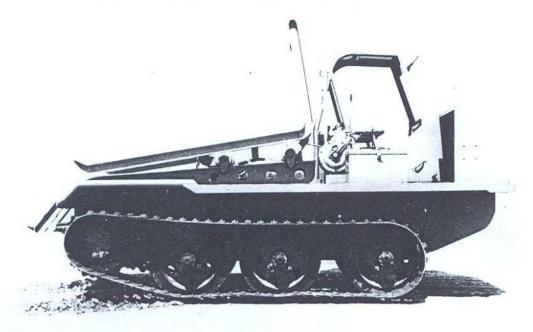
DUAL PURPOSE PULPWOOD SKIDDER OR LOGGER

The newest development for pulpwood skidding or logging in bog, muskeg and snow laden areas of the bush — the NODWELL SKIDDER and the NODWELL LOGGER! It is a dual purpose machine which may be equipped either for skidding or logging with the accessories for each purpose readily interchangeable. This rugged unit was specifically designed for use in the pulp and paper industry enabling continuous year round operations which means increased efficiency and economy. The unit incorporates the Nodwell No. 15 controlled differential with outer planetaries, and frame and grouser bars of extra heavy duty construction. It is equipped with solid rubber tires.

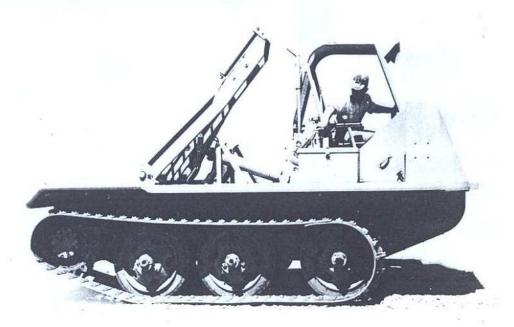
MODEL RNS
SKIDDER
When skidding a full
cord, the Nodwell
Skidder develops a
ground pressure of 2.4
p.s.i. The Hydraulic
Over-Center Boom and
Winch provides substantially increased
draw bar pull enabling the unit to skid
with ease a full cord
or more of tree length
pulpwood at one time.



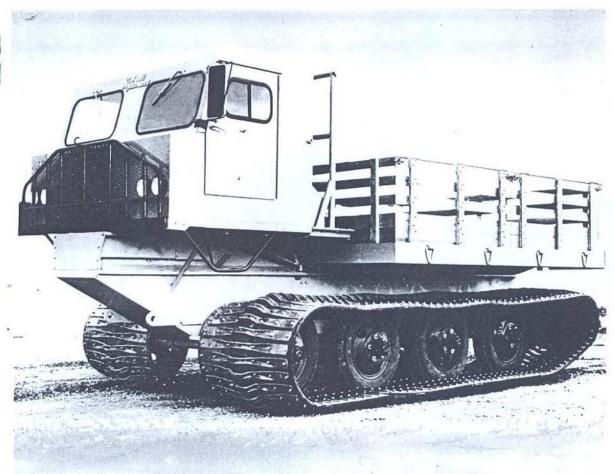
MODEL RNL LOGGER



MODEL RNS SKIDDER



4-Axle Tracked Carrier

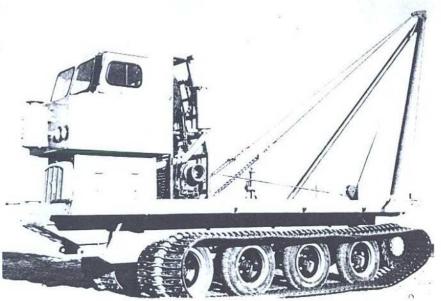


When equipment and supplies must be freighted through all seasons of the year, the "go everywhere" solution is the RN 140 equipped with flat deck, with or without stake racks.

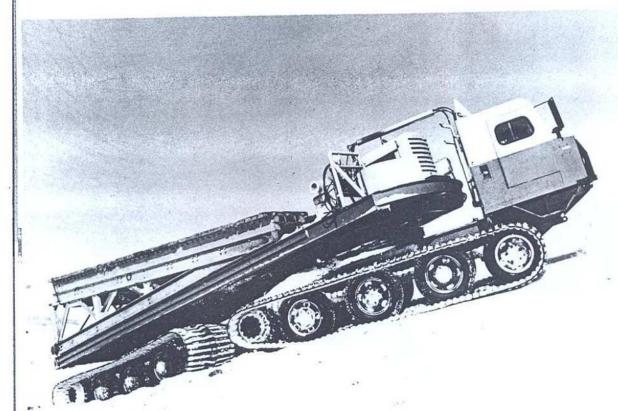
INVINCIBLE OFF-HIGHWAY TRANSPORTER

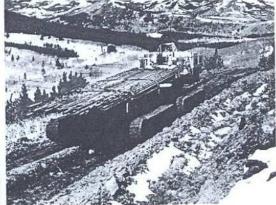
Hercules of the NODWELL double-track carriers is the 4-axle MODEL RN 140. It takes over where conventional transport leaves off. Massive tracks, 48 inches wide, make it the ideal cross country transport for loads up to 14,000 pounds — a load greater than its own weight. This giant two-track carrier is equipped with an Allison Transmatic transmission with torque converter, and the Nodwell No. 18 controlled differential, for optimum performance.

The MODEL RN 140, pictured here, equipped with oilfield flat deck, is specifically designed for transporting drill pipe.



8-Axle, Four Tracked Transporter





Through muskeg, mud and snow, the MODEL RN 200 carries steel pipe to a well-site deep into Canada's Northland.

POWER STEERED BEHEMOTH

Gruelling demands of cross country exploration and transportation led to the development of the unique Nodwell Transporter — the giant, 8-axle, 4 track, 2 engine NOD-WELL MODEL RN 200! Even at its fully loaded gross weight of 56,000 pounds, this light footed behemoth treads the ground with a pressure of under 2 p.s.i. A 20,000 pound payload is carried with ease on the 8' x 23' deck. Automatic weight distribution to the tracks is accomplished by the oscillating feature of the deck to chassis mounting. The heavy duty winch and live roll provide for self loading and unloading of the heaviest equipment.

Two engines independently power the front and rear tracks. Hydraulic power steering makes possible full power application to all four tracks, at all times! The power steering provides finger-tip control for the operator.



The MODEL RN 200 pushes on through muskeg transporting a ten ton load of equipment, in the process of moving a complete drilling rig.

UNIQUE DESIGN

Performance Proven

The NODWELL RN 200 emphasizes an entirely new design concept, to meet the many operational requirements of industry for off-highway transportation. Incorporated in the design are these outstanding features, which make the NODWELL RN 200 the foremost in its field:

FRONT AND REAR TRACK UNITS can each *independently* assume any transverse and/or lateral moving angle, depending upon the dictates of the terrain.

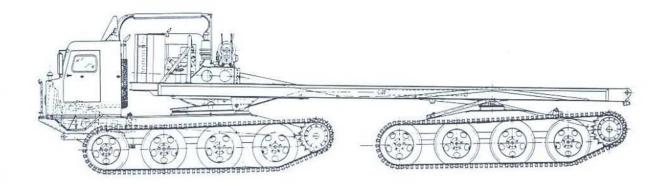
THE FLOATING FEATURE of the deck to chassis mounting provides deck stability and automatic weight distribution to both track units.

HYDRAULIC POWER STEERING

arrangement makes possible the maintenance of full power to all tracks, at all times. Two hydraulic cylinders mounted under the deck are connected to the turning ring of the front unit by heavy cables. Actuating the cylinders causes the front unit to turn left or right.

POWER TRAIN. Power is supplied by two engines through two Allison Transmatic transmissions and planetary drive rear axles. All control lines are carried overhead to the cab. Tachometers are used by the operator for synchronization of front and rear engines.

CLEAR LOAD DECK AREA of 8'x 23' with heavy duty winch and live roll facilitates self loading and unloading of equipment.



CONTINUENTE DE L'ARTE L'ARTE DE L'ARTE DE



Track Units independently assume any moving angle dictated by terrain



Model RN21 - 3-Axle Tracked Carrier

4 840 lbs. Vehicle Weight - Net 2.100 lbs. Pay Load Gross Vehicle Weight 6.940 lbs. Track Area at Zero 4,750 sq. in. Penetration Ground Pressure Loaded 1.45 p.s.i. At Zero Penetration At 10" Penetration 1.16 p.s.i. 6' 9" Width Length 6' 10" Height 25 M.P.H. Speed 6' x 6' Load Area Nodwell No. 12 Controlled Differential Steering without Outer Planetaries Tracks -Width Heat Treated Spring Steel Grouser Nodwell 3-ply 10" Belts Rubber - Double - with Steel Overload Drive Sprocket Warner - 4 Speed Forward - 1 Reverse Transmission Ford 223 Cu. In. 6 Cyl. Engine 4.50 x 16 - 6 Ply Tires Brakes Drive Line Band Crank Arm with Torsion Spring Suspension No. 8 with Timken Bearings Spindle Top Speed Governor Vacuum Ground Clearance 10" 30" Fording Depth Gradeability - Maximum Forward - 60% Side - 30% 20 Gallons (Imperial) Fuel Capacity Electrical System 12 Volt

Model RN50 - 3-Axle Tracked Carrier

7 660 lbs. Vehicle Weight - Net 5 000 lbs. Gross Vehicle Weight 12,660 lbs. Track Area at Zero 6 016 sq. in. Ground Pressure Loaded 2.1 p.s.i. At Zero Penetration 1.65 p.s.i. At 10" Penetration 8" 4" 15' 6" 12 M.P.H. (25 M.P.H. available as an optional extra) Nodwell No. 12 Controlled Differential with Outer Planetaries Heat Treated Spring Steel Nodwell 3-ply 11" Rubber - Double - with Steel Overload Warner — 4 Speed Forward — 1 Reverse Ford 223 Cu. In. 6 Cyl. 7.50 x 16 - 8 ply Brakes, Drive Line Band Crank Arm with Torsion Spring No. 8 with Timken Bearings Ground Clearance Gradeability - Maximum Forward - 60% Side - 30% 38 Gallons (Imperial) 12 Volt Electrical System Turning Radius (Inside) 103"

Model RN75 - 3-Axle Tracked Carrier

9,060 lbs. Vehicle Weight - Net 7 500 lbs. Pay Load 16.560 lbs. Gross Vehicle Weight Track Area at Zero 7,520 sq. in. Penetration Ground Pressure Loaded At Zero Penetration 2.2 p.s.i. At 10" Penetration 1.75 p.s.i. 8' 11" Width 15' 6" Lenath Height 12 M.P.H. Speed 7' x 9' Load Area Nodwell No. 15 Controlled Differential Steering with Outer Planetaries Tracks -Width Heat Treated Spring Steel Grouser Nodwell 3-ply 15" Belts Rubber - Double - with Steel Overload Drive Sprocket Warner - 4 Speed Forward - 1 Reverse Transmission Ford 223 Cu. In. 6 Cyl. 7.50 x20 — 12 Ply Engine Tires True Stop Disc Brakes, Drive Line Crank Arm with Torsion Spring Suspension No. 11 with Timken Bearings Spindle Top Speed Governor Vacuum Full Width Grill Guard Ground Clearance 36" Fording Depth Gradeability - Maximum Forward - 60% - 30% Side 38 Gallons (Imperial) Fuel Capacity Electrical System 12 Voit Turning Radius (Inside) 103"

Model RNL - 3-Axle Pulpwood Logger

12 Volt

103"

103"

Vehicle Weight - Net Pay Load (1 cord) Gross Vehicle Weight Track Area at Zero Penetration Ground Pressure Loaded At Zero Penetration Width Length Height Speed Steering Tracks -Width Grouser Belts

Turning Radius (Inside)

Drive Sprocket Transmission Engine Brakes, Drive Line Suspension Spindle Top Speed Governor Winch Trolley Skip Stump Pan Ground Clearance Fording Depth Gradeability - Maximum

Fuel Capacity Electrical System Turning Radius (Inside)

11.600 lbs. 3.000 lbs. 14.600 lbs. 4.800 sq. in. 3 p.s.i. (1 cord) 14' 8" 12 M.P.H. Nodwell No. 15 Controlled Differential with Outer Planetaries

Heavy Duty Heat Treated Spring Steel Nodwell 10" Rubber - Double - with Steel Overload Warner - 4 Speed Forward - 1 Reverse Ford 223 Cu. In. 6 Cyl. Solid Rubber Band Crank Arm with Torsion Spring No. 20 (31/2" dia.) with Timken Bearings Vacuum Gearmatic Vacuum Release Full Length 16" 30" Forward - 60% Side - 30% 39 Gallons (Imperial)

Model RNS - 3-Axle Pulpwood Skidder

Pay Load Track Area at Zero Penetration Ground Pressure Loaded At Zero Penetration Width Length Height Speed Steering Tracks -Width Grouser Relts Drive Sprocket Transmission Engine Tires Brakes, Drive Line Suspension Spindle Top Speed Governor Winch Over-Centre Boom Stump Pan

Vehicle Weight - Net

Pay Load

Width

Length

Height

Speed

Load Area

Steering

Tracks -

Width

Relts

Engine

Tires

Grouser

Transmission

Suspension

Fording Depth

Fuel Capacity

Spindle

Drive Sprocket

Penetration

Ground Clearance Fording Depth Gradeability - Maximum

Fuel Capacity Electrical System Turning Radius (Inside)

11,600 lbs. I Cord 4,800 sq. in. 2.4 p.s.i. (1 cord) 7' 3" 14' 8" 12 M.P.H. Nodwell No. 15 Controlled Differential with Outer Planetaries

Heavy Duty Heat Treated Spring Steel Nodwell 10" Rubber - Double - with Steel Overload Warner — 4 Speed Forward — 1 Reverse Ford 223 Cu. In. 6 Cyl. Solid Rubber Band Crank Arm with Torsion Spring No. 20 (31/2" dia.) with Timken Bearings Vacuum Gearmatic Hydraulic Full Length 16" 30"

Forward - 60%

Side

103"

12 Volt

— 30%

39 Gallons (Imperial)

Length Height Speed Load Area Steering Tracks - Width Grouser Belts Drive Sprocket Transmission Torque Converter Engine Tires Brakes, Drive Line Suspension Spindle Top Speed Governor Grill Guard Winch — Front Mounted Heater For Cab Heater (Block Electric) Hour Meter

Tachometer

Anti Freeze

Seats

Rear View Mirror

Ground Clearance Fording Depth

Fuel Capacity

Electrical System

Vehicle Weight - Net

At Zero Penetration

At 10" Penetration

Track Area at Zero

Penetration

Pay Load Gross Vehicle Weight

Width

Model RN140 - 4-Axle Tracked Carrier

13 200 lbs. 14,000 lbs. 27,200 lbs. 14,000 sq. in. Ground Pressure Loaded 1.95 p.s.i. 1.65 p.s.i. 10" 19" 6" 8' 4" 12 M.P.H. 7' x 12' Nodwell No. 18 Controlled Differential with Outer Planetaries Heat Treated Spring Steel Nodwell 5-ply — 18" Rubber — Double — with Steel Overload Allison Transmatic Allison Ford 292 Cu. In. V-8 7.50 x 20 - 12 Ply True Stop Disc Crank Arm with Torsion Spring No. 20 (31/2" dia.) with Timken Bearings Vacuum Full Width 14 000 lbs. Capacity Hadees No. 555 (2) Included Included Included Included Included (2) Bostrum (2) Gradeability - Maximum Forward - 60%; Side - 30%. 38 Gallons (Imperial) 12 Volt

Model RN110 - 4-Axle Tracked Carrier

10.580 lbs. Vehicle Weight - Net 11,000 lbs. Pay Load Gross Vehicle Weight 21,580 lbs. Track Area at Zero 10,720 sq. in. Penetration Ground Pressure Loaded 2 p.s.i. At Zero Penetration At 10" Penetration 1.68 p.s.i. 8' 11" Width 19' 4" Length Height 12 M.P.H. Speed Load Area 7' x 12' Nodwell No. 15 Controlled Differential Steering with Outer Planetaries Tracks -Width Grouser Heat Treated Spring Steel Nodwell 4-ply 15" Belts Drive Sprocket Rubber - Double - with Steel Overload Transmission Warner - 4 Speed Forward - 1 Reverse Ford 292 Cu. In. V-8 Engine 7.50 x 20 - 12 Plv Tires Brakes, Drive Line True Stop Disc Crank Arm with Torsion Spring Suspension Spindle No. 11 with Timken Bearings Top Speed Governor Vacuum Grill Guard Full Width Ground Clearance 16" 36" Fording Depth Gradeability - Maximum Forward - 60% Side - 30% 38 Gallons (Imperial) Fuel Capacity 12 Volt Electrical System Turning Radius (Inside) 103"

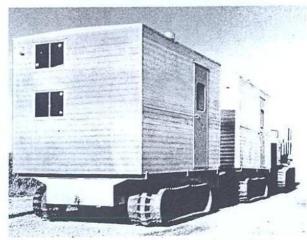
Model RN200 — 8-Axle Four Tracked Transporter

Vehicle Weight - Net 36,000 lbs. 20 000 lbs. Pay Load Gross Vehicle Weight 56,000 lbs. Track Area at Zero 28,000 sq. in. Penetration Ground Pressure Loaded At Zero Penetration 2 p.s.i. 1.7 p.s.i. At 10" Penetration Width Length 8' 4" Height 12 M.P.H. Speed Load Area 8' x 23' Hydraulic Power Steering Tracks -Width Heat Treated Spring Steel Grouser Nodwell 5-ply - 18" Belts Rubber — Double — with Steel Overload Timken PRIOI with Outer Planetaries (2) Drive Sprocket Differential Transmission Allison Transmatic (2) Allison (2) Ford 292 Cu. In. V-8 (2) 7.50 x 20 — 12 Ply Torque Converter Engine Tires Brakes, Drive Line True Stop Disc Suspension Crank Arm with Torsion Spring Spindle No. 20 (31/2" dia.) with Timken Bearings Top Speed Governor Vacuum Grill Guard Full Width Winch - Deck Mounted 18,000 lbs. Capacity Heater For Cab Hadees No. 555 (2) Heater (Block Electric) Included (2) Hour Meter Included (2) Tachometer Included (2) Anti Freeze Included Rear View Mirror Included (2) Seats Bostrum (2) Live Roll Full Width Ground Clearance Fording Depth Gradeability - Maximum Forward - 60%; Side - 30%. Fuel Capacity 140 Gallons (Imperial) Electrical System

Turning Dading (lerida)

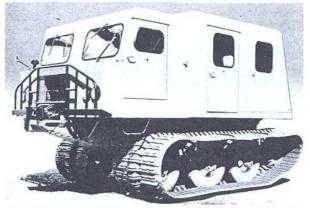
Field Camps on Nodwell Tracks

Put Nodwell Tracks under entire camps! Here are the machines that make it possible and economically feasible to keep field camps rolling right along with operations. NOD-WELLS outfitted as self contained camp units can be used independently or to pull a train of two to four non-powered tracked camp units. Any camp can be completely mobilized and moved at a moment's notice over any kind of terrain. The camp units tread the ground with a pressure of less than 2 p.s.i. when fully equipped and loaded.

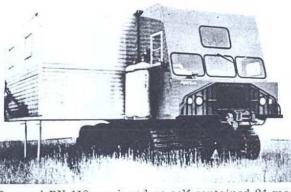


Powered camp units pull trains of standard, non-powered Sleeper-Office units. All walls are aluminum sheathed.

Modern kitchen appliances and cabinets are built into a fully equipped Nodwell Kitchen-Diner. Essential plumbing, wiring and heating equipment are incorporated in the body.



A Powered MODEL RN 75, custom built as a Workshop Unit. This unit can pull up to four non-powered camp units.



Powered RN 110, equipped as self-contained 24 man Kitchen-Diner. Fold out sections position immediately on arrival at the camp site.

