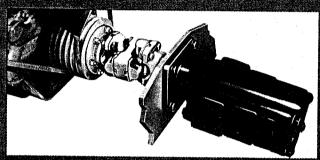
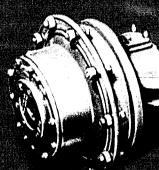


The New Dimension In Hydraulic Self-Propelled Cranes



HYDRAULIC PUMP AND DRIVE:

Raid July Broduing Ville infield inflying is allow man familials million of the jumps (Allan maple) to (Alland Broduing and light is mus-writer for a traditional Color of the life of million of males, acomo William bit toke high seleminal is



r galaksa kantaksa period

- ENGINE: creother and the venture.
- TORQUE CONVERTER: Wentender phiptogeness societity into the mission days misses and his stockly yet resulting the prictants whenting
- TRANSMISSION, POWER SHIFT: etv. (State of the control of the contr
- TRANSMISSION, MECHANICAL: Tem Mar Larwar down to axio arry i the. K-198 Bellieft dox no llar modella embra i i Man and the first of the first of the state of the state
- **REAR AXLE DISCONNECT:** nicughi entinellentojo na abblija is oja se 11978 žaž overslja svenat paveji
- REAR AXLE: -!! (1 11 1-7 -) (17) 10 (17) William And Committee of the Committee o dielek kal
- BRAKE, PARKING: Miles in the place of the pl
- Michig Michie Leves en Roching Richt Mes is soutenille

Compatible Power Train Component Design

Carefully Selected For Durability And Mobility

ENERAL INFORMATION ONL

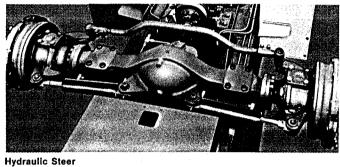
Link-Belt Speeder offers a line of YC model all-hydraulic, self-propelled cranes. Each is engineered with traditional Link-Belt Speeder quality.

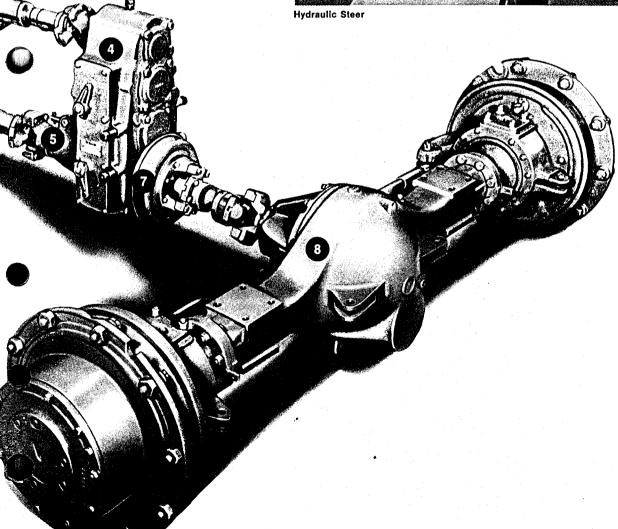
The travel-steer power train components are carefully selected and matched for durability and mobility with or without load, over even or uneven terrain, on and to the job site.

Gasoline or diesel engines available. A torque converter is standard for smooth travel acceleration. The converter powers a high/low range power-shift transmission controlled by a lever to the right of the operator. Power shifts the transmission from low to high range speed while travelling... no need to stop the machine. Also controls forward-reverse travel with single level to left of operator.

From the power shift transmission, power is to a combination dual-range and synchro-mesh transmission. Upper transmission has dual range on smaller models with high range for travel off the job site. The lower transmission is a 2-speed, synchromesh, controlled by foot pedal and shift lever. The YC model cranes are designed with an over-all speed selection necessary to meet the variable job conditions.

Power from the synchro-mesh transmission is to the front and rear axles and into the planetary driven wheels. Four-wheel drive is standard. For long distance, over-the-road travel, the rear axle may be disconnected to prevent unnecessary axle wear. Optional no-spin differential on either or both axles. Four-wheel hydraulic brakes and hydraulic steer are standard. Larger models use two hydraulic steer cylinders per axle.





3

Fast, Efficient Crane Mounted On Capable Carrier

Link-Belt Speeder Designed Swing And Hoist Speed Reducer

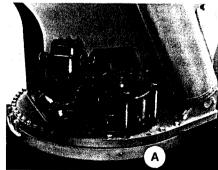
The YC model hydraulic crane design is an engineered combination of an efficient crane (swing, hoist, boom extend-retract, and boom hoist) mounted on a capable carrier for a durable crane lifting base. Outriggers are hydraulically controlled, hingetype. Outrigger boxes are welded integral to an alloy main frame. Pontoons are hinged to outrigger arms. Once the outriggers are set, a **check valve** fixed to the cylinder "locks" the oil in the cylinder and the outriggers in place.



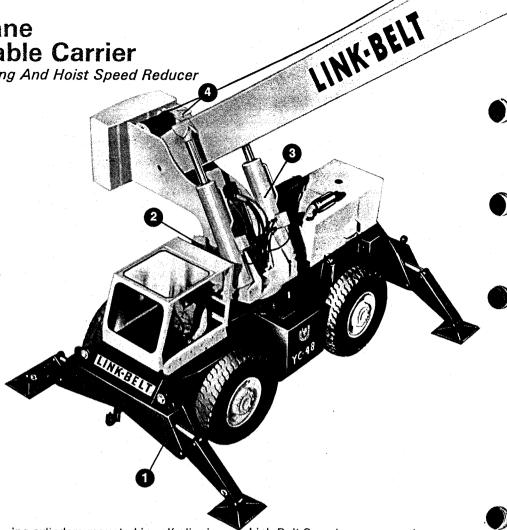
1. Outrigger Cylinder Check Valve

The swing control valve, with crossover relief valve, results in smooth acceleration and deceleration of swing. The crane upper revolving me is mounted to the carrier by a **arntable bearing (A). Swing** power is from the 2-directional hydraulic motor into the Link-Belt Speeder fully enclosed gear speed reducer and then into the swing shaft/pinion. Swing brake is standard . . . holds upper and boom at any swing position. Swing brake is spring applied and power hydraulically released.

Power hydraulic **boom hoisting and lowering** is through two double-act-



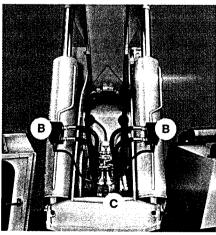
2. Swing



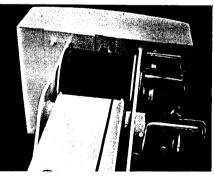
ing cylinders mounted in self-aligning bushings. Each cylinder is equipped with an integral check valve (B) to hold boom in position when operator control lever is in neutral or when the engine is shut off. Holding valve (C) allows controlled lowering of the boom.

The YC model line features power hydraulic **load hoisting** and lowering through a 2-directional motor into the

Link-Belt Speeder gear speed reducer and into the rope drum. Hoist speed reducer is interchangeable with the swing speed reducer. A hoist brake, mounted on hydraulic motor output shaft, is power hydraulically released when operator engages hoist control lever. Brake is spring applied when control lever is returned to neutral. A holding valve prevents uncontrolled lowering of high line pull loads.



3. Boomhoist And Lowering



4. Load Hoist

ENERAL INFORMATION ONL

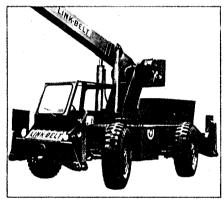
Convenient Operator Control Arrangement

Adds To Machine's Over-All Performance

ENERAL INFORMATION ONL

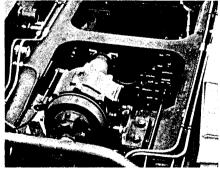
The operator controls and instrument panel are designed for ease of operation, comfort, and efficiency. Operator works from a contoured, foampadded, bucket-type seat. Convenient location of the various operating levers add to the machine's over-all performance.

Optional cab has tinted, overhead glass to reduce glare. Other optional items include cab doors, electric windshield wiper, cab heater, fantype defroster, head and tail lights, and turn signals.



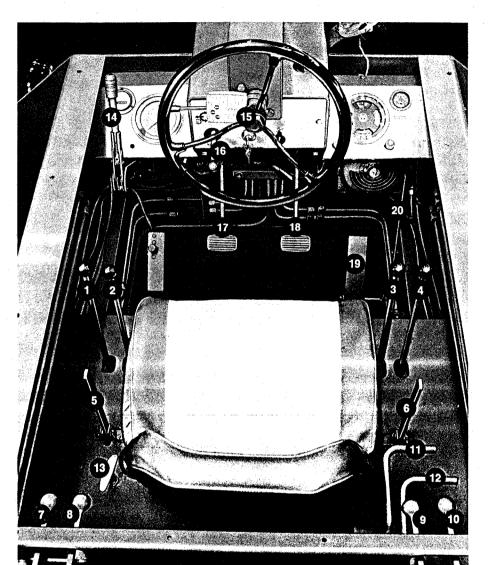
Independent Front/Rear Wheel Steering

For short-radius turns and over-all on-the-job maneuverability, independent front and rear wheel steering is standard. For operator convenience, a steering wheel controls front-wheel steer (item #15). Dash-mounted lever (item #16) controls rear wheel steer. Front and rear wheel steer cylinders are interchangeable.



Main Control Valves

The main operating control valves are readily accessible from underneath the main frame and are controlled through mechanical linkage for precise, positive function control. Tandem-type pump provides hydraulic power to the control valves.



Operator Controls

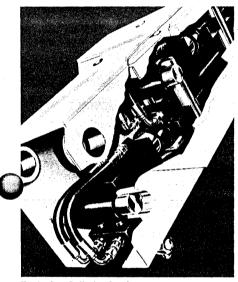
- 1. SWING
- 2. BOOMHOIST
- 3. BOOM EXTEND/RETRACT
- 4. CABLE HOIST/LOWERING
- 5. POWERSHIFT, FWD./REV.
- 6. POWERSHIFT, HI/LO
- 7. LEFT FRONT OUTRIGGER
- 8. LEFT REAR OUTRIGGER
- 9. RIGHT REAR OUTRIGGER
- 10. RIGHT FRONT OUTRIGGER

- 11. RANGE SHIFT HI/LO
- 12. SYNCHRO-SHIFT TWO SPEED
- 13. REAR AXLE DISCONNECT
- 14. PARKING BRAKE
- 15. FRONT POWER STEER
- 16. REAR POWER STEER
- 17. FOOT PEDAL
- 18. SERVICE BRAKE
- 19. FOOT THROTTLE
- 20. HAND THROTTLE

Full Power 2-Section And 3-Section Booms Manual Extensions And Jib Available

Boom Extension System For Optimum Lifting Capacity

The Link-Belt Speeder YC model cranes are equipped with full power telescoping booms (2-section or 3-section). For additional reach, manual boom extensions and jibs are available. Single cylinder extends-retracts the 2-section booms and exclusive twin-cylinder arrangement extends 3-section booms. All cylinders are double acting with cylinder rods remaining stationary and cylinder case extending-retracting. The twin cylinders eliminate the need for long hoses and hose reels.

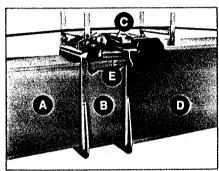


Exclusive Cylinder Design

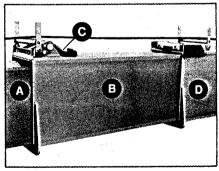
The boom sections are box-type construction, high strength, low alloy steel. The 3-section boom extension system allows the tip section (A) to extend completely before the center power section (B) starts to extend. This is accomplished by means of a latch-lock arrangement. The latch (C) locks center section (B) to base section (D). At the end of the tip section stroke, block (E) fixed to the top of tip section (A), will engage the base of latch (C), unlocking center section (B) and allowing it to extend fully.



When retracting the boom, the sequence is reversed and the center power section retracts completely before the tip power section can be retracted. No need for special sequencing valves or separate boom



Center Section Latch Locked



Center Section Unlatched

telescopic control levers. Only one lever is used to fully extend or retract the boom. Boom extend-retract cylinders are equipped with holding valves. Power sections are supported by and slide on Teflon impregnated shoes.

This boom extend-retract design keeps the greatest portion of the boom weight closest to the machine for optimum lifting capacities.

A boom telescope and load hoist interlock is standard. To extend the boom, operator must pay out hoist line simultaneously.

The boomhead machinery consists of one top and three bottom sheaves mounted on anti-friction bearings to eliminate the need for frequent lubrication. Boomhead machinery is designed for fast pinning to either the tip power section or manual boom extensions. Hoist line guide rollers are mounted on top of boom.

ENERAL INFORMATION ONL

เดือังวา[[]•] 6:2 **อ) (อาก**เราตา (อากุลกับวาตาการกับกับการกับการกับการกับการกับการกับการกับการกับการกับการกับการ งอรูส(อโตโกกสสระ) ระเอเล่า สเขอเชลเล่าที่สูลให้เล้าการตัวม **อได้ได้ได้เ**ลือให้เลือดได้ เรื่องได้ เลือดได้ได้ เลือดได้ เลือดได้ได้เลือดได้ได้ neorskier Pom Stay lides eiso se ge to note de instace obstilor dje strit elifekilijkenistysdestekkilijkististessomi e(e)e)e(ff(c):(e)

Recall to the plantage and other liverages (see for avantalite តែចក្រុម ដែលម៉ែន កាន់មែនដែល (c) (is (c) is contact.

Countervelonals and tead to he appear welvolvinter lander and characteries, we impalines Stattlebratev (Viriale), callabatej (viriale), call Clainter later (s) (s) elerait

All, MC, moder registers

Equipped With a vest oscillating axis — gigiq Sinciller MC, moder

Obstraction With Mayalling and for — Equipped With palacente white the construction of the co derie exceptions (allege exceptions) and the

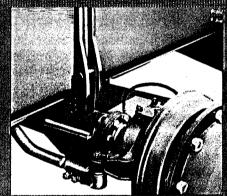
រូវបានWheelនៃបានប្រកាត់ក្រៀតែមហ

Witen lifting for tixes kappainevals tel: idalian Elekwaidala Walalamejelalahiking intertrope Science evillateffeto, fateriologica etologica eropyeratel that arrestant freshit we said citation of t neratelettete), (citatetaridis),(okstellfaritotatistatotatis) iajo utajakojotojako (k. prodok kojoje politi

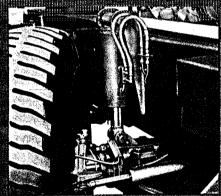
POINTED TO THE CONTRACT OF THE RELIGIOUS iffolen flogife og fielje from keletek opplite (stolete) हिन्दी वीर्नेहां । (रेनेस्टानान्हें) वाचानाईस्वाहे पूर्वाप्रक (😉)). Brank skilosis slittain koja jo osinjilistoja Wiljansawingjing erania vidojan bisyonek Si Srom ednikarlinakon firabilinas kolifar (A) is not in contact with come single (S). Closing value (C) are consequently lests, there exists the feeting of this is a fill of skeine is, alexie alaifet elegieb. Beifer cheunfafele): reference en de expensión de contraction de la c ાં છે. જે જે જે મામ જ જો છે. જે જે જો માટે જે જો છે. જો માટે જે જો છે છે જે જ Willeterateller (Changellein)

Addition whereign continuities to be been केरिकोक्षान्त्रके कि वेकोक्षक हत्या ([बृह्य देश विकास सिक्टिको के स्टार्क केरिको lakspääblentejetä erstelelt eteleltesedeta kie aukstalla ravvater i fregat i vracens, aterija i obladio latava. Pranta e nordina i i fan i translatio affany. yziktizkatlan (Yatale) elajandakilara, pajarelejtakanda

ellekter ejterheiste derrei von de vertiligter tek



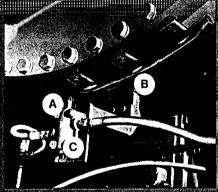
Selective Research to cockedule



tiver time some videbook eige

C)an da(e) (consequiples) (c) (c) (c) (c) (c) (c) (c) (c) (c) inyele uille laielaeluk Gepretylelae eiorreta ereigier gylistel 1838 (normatier en eigele greieren hisenretarrater, egylistele talet in egistelitet en ferterfin (1946) naget intel ofinfel: (4) (4) (2):47 (1),4(2)

Meine einerich siefeldicht Willetter bir flieber. ldateth etriolfriedligtet eingerrietellier, detillie (.) (127,164 (210)) (1017) (166,167,167,167,167) (166,167) (17,167) aufale eta delegable facilitate de la felicite e la compania de la felicite e la felicate e la felicite e la felicite e la felicite e la felicite e la



Sign (alto National and Source (March



YC Model Cranes Are Job-Proven

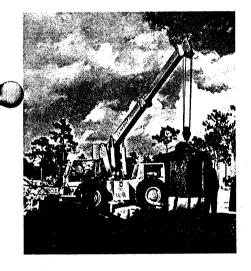
In Plants, Materials Yards, Construction, Etc.

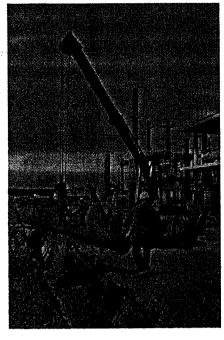
ENERAL INFORMATION ONL



Link-Belt Speeder YC model hydraulic self-propelled cranes offer mobility and speed. Power shift transmission plus torque converter permits fast, smooth starts. Four-wheel drive and steer offer mobility on the job. Simple boom extend-retract design eliminates the need for boom sequencing valves or multiple operator controls—one lever operation. Push for boom extend; pull for boom retract. Exclusive twin-cylinder design eliminates long hoses and hose reels.

The YC model cranes have proven themselves on a varied number and type of jobs. There is a right Link-Belt Speeder model for your job. For a new dimension in hydraulic self-propelled crane design, it's a Link-Belt Speeder.

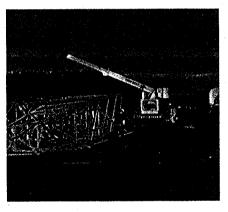






YC Crane Features In Brief

- 4-wheel drive and steer: For mobility on and to the job site.
- Torque converter: Smooth travel starts.
- Power shift transmission: Permits shifting into high-speed range while travelling.
- Oscillating rear axle: For traction while travelling.
- Rear axle lock-outs: For 4-wheel stability when lifting "on tires" on uneven terrain.
- Boom extend-retract cylinder arrangement: Eliminates need for long hoses and hose reels.
- Holding valves on boomhoist and hoist: For controlled boom and load lowering.



We are constantly improving our products and therefore reserve the right to change designs and specifications



Link-Belt Speeder

DIVISION OF FMC CORPORATION

Cedar Rapids, Iowa • Woodstock, Ontario, Canada • Queretaro, Mexico • Milan, Italy

