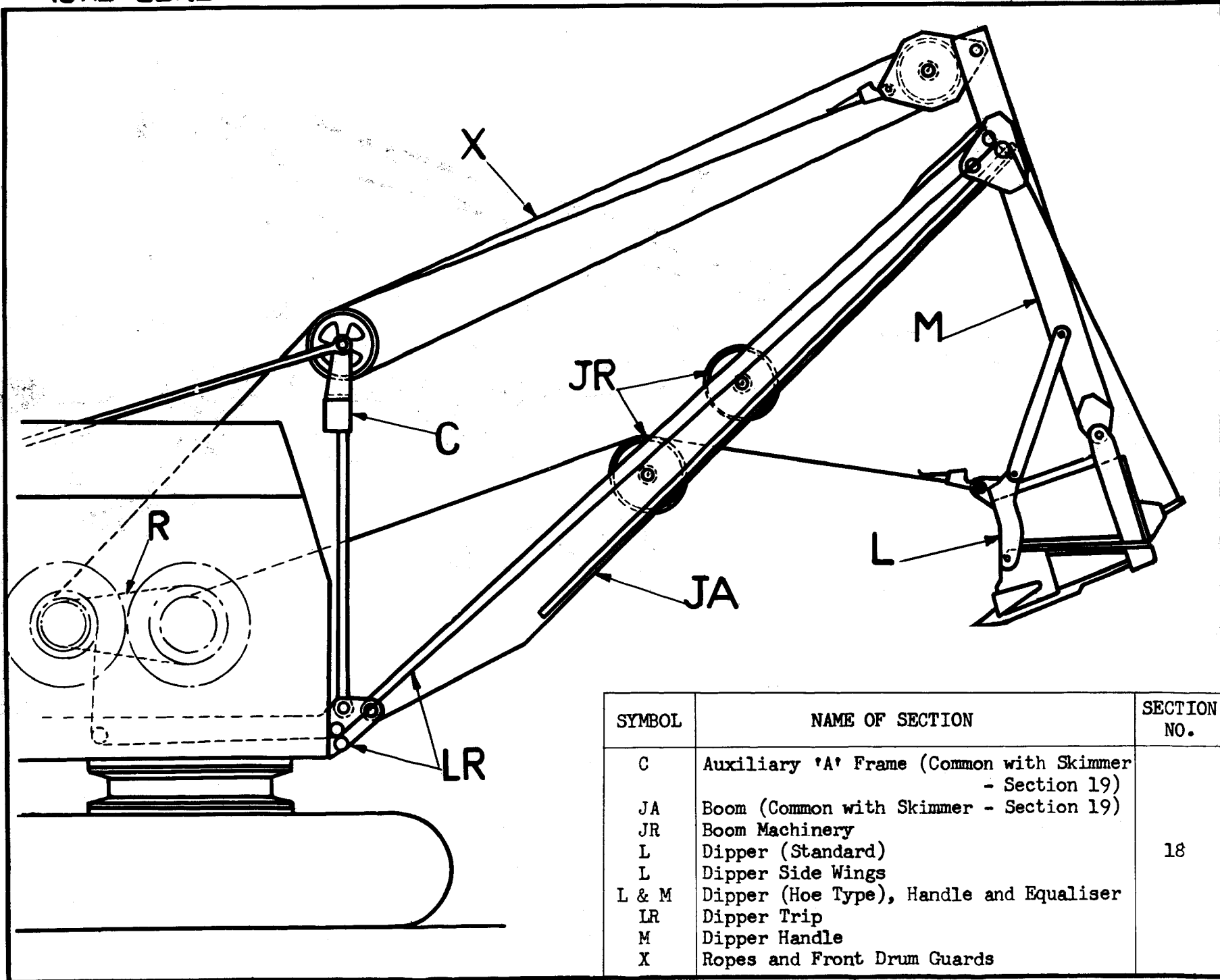
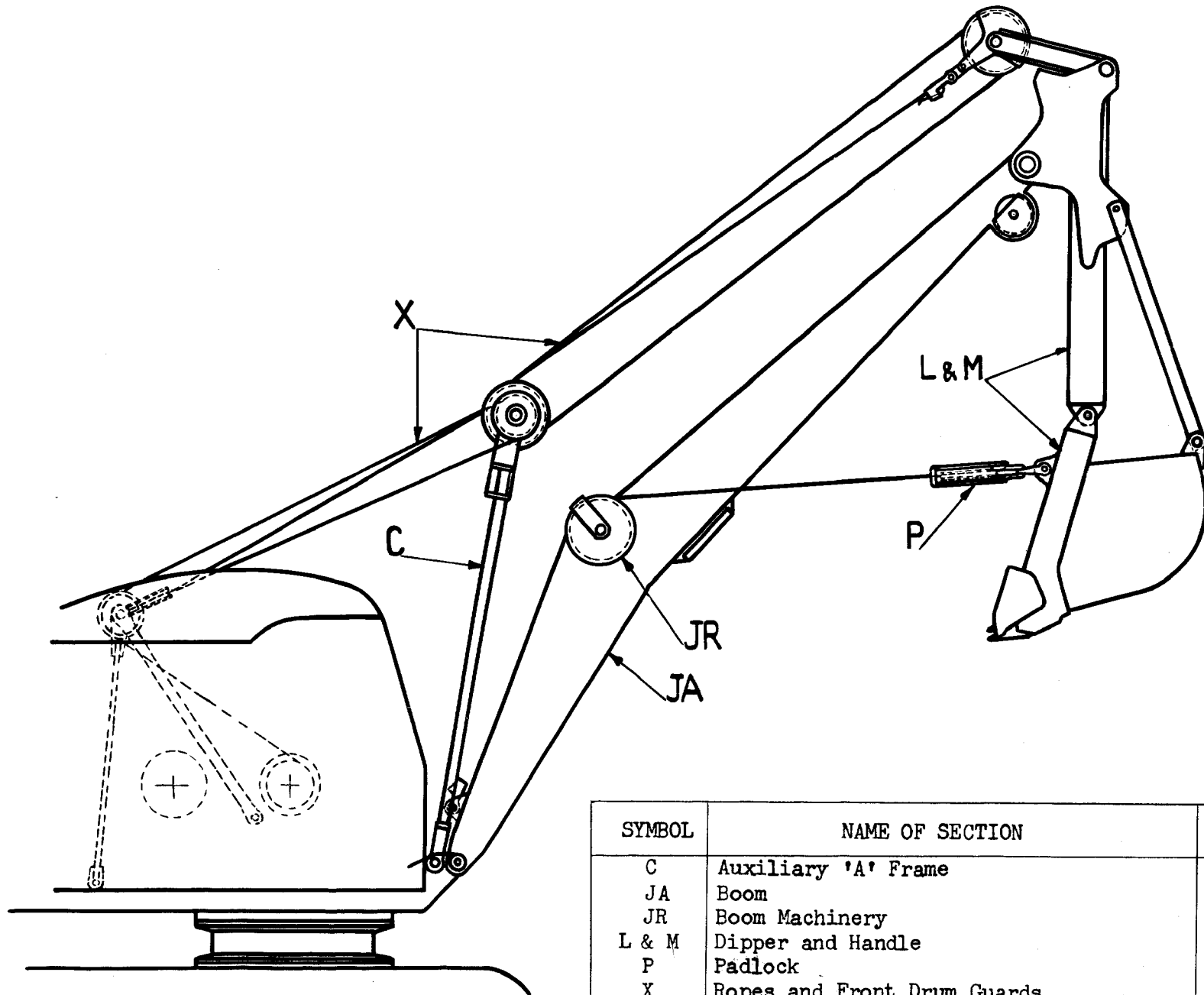


SYMBOL	NAME OF SECTION	SECTION NO.
JA	Boom	
JR	Boom Machinery	
L	Dipper (Standard)	
	Dipper (Coal Loading)	
LR	Dipper Trip	17
M	Dipper Handle	
N	Saddle Block	
P	Padlock	
R	Auxiliary Main Machinery	
X	Ropes and Front Drum Guards	

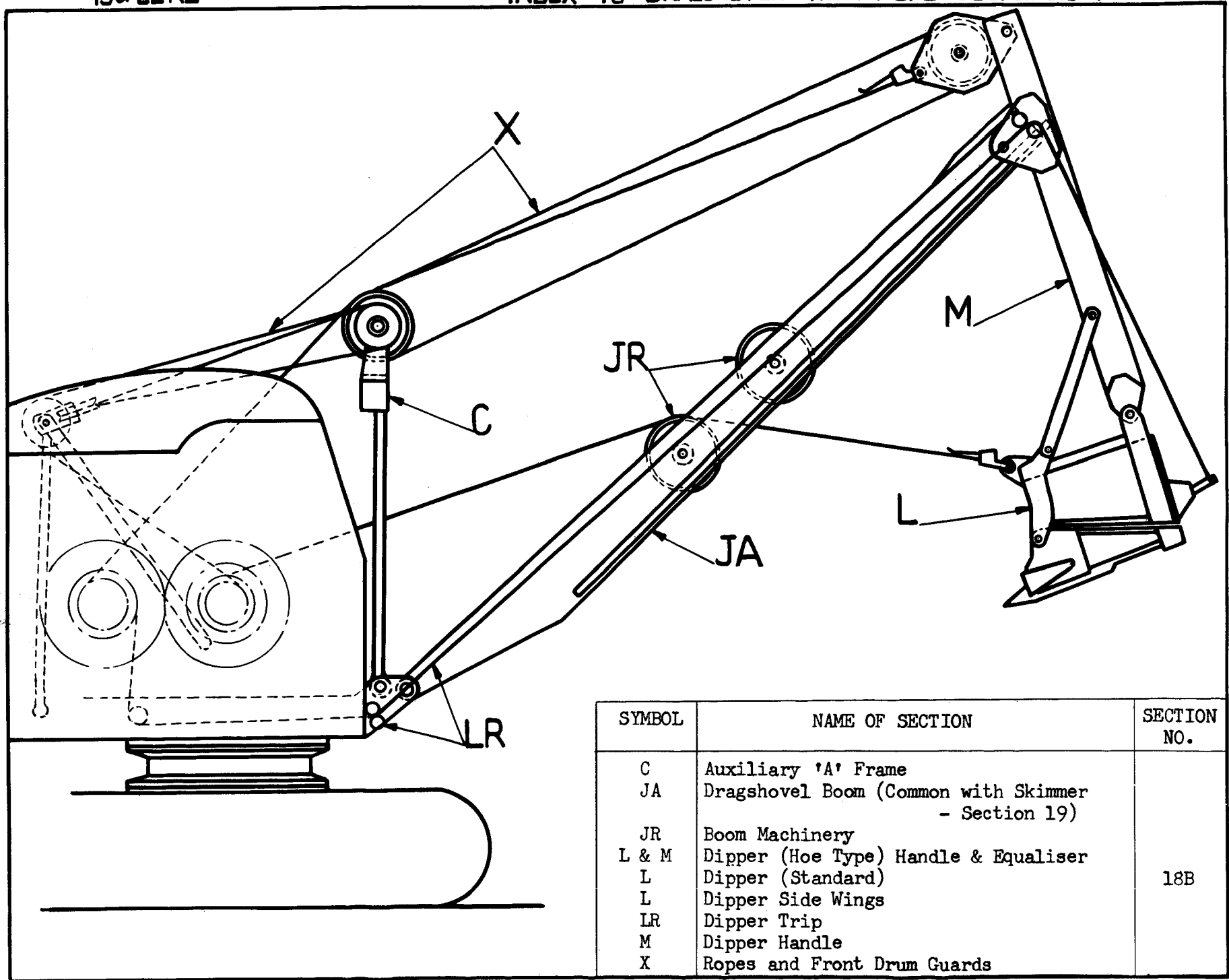


SYMBOL	NAME OF SECTION	SECTION NO.
C	Auxiliary 'A' Frame (Common with Skimmer - Section 19)	18
JA	Boom (Common with Skimmer - Section 19)	
JR	Boom Machinery	
L	Dipper (Standard)	
L	Dipper Side Wings	
L & M	Dipper (Hoe Type), Handle and Equaliser	
LR	Dipper Trip	
M	Dipper Handle	
X	Ropes and Front Drum Guards	

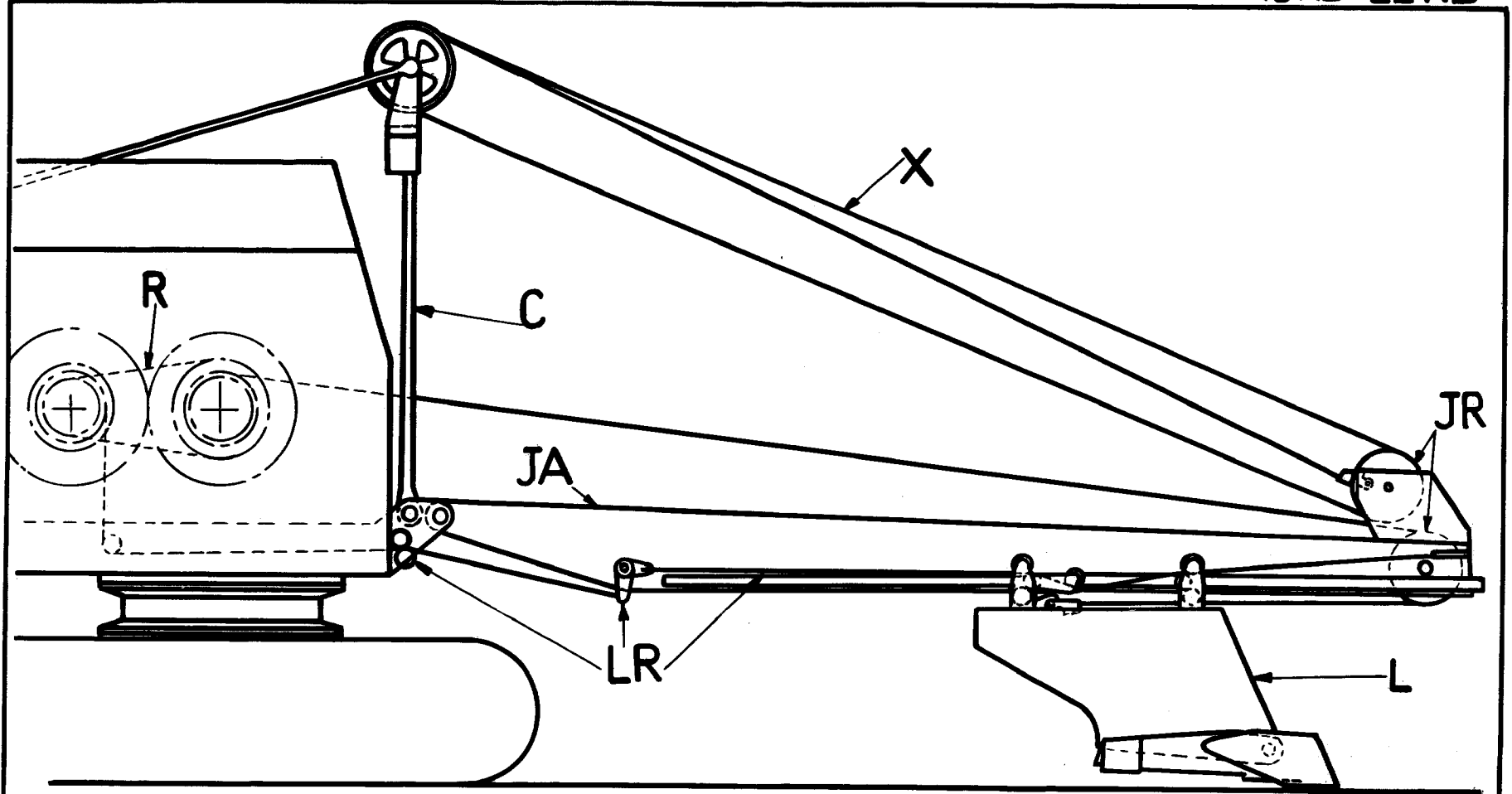


19&22RB

INDEX TO DRAGSHOVEL WITH ROPE SUSPENSION.



SYMBOL	NAME OF SECTION	SECTION NO.
C	Auxiliary 'A' Frame	18B
JA	Dragshovel Boom (Common with Skimmer - Section 19)	
JR	Boom Machinery	
L & M	Dipper (Hoe Type) Handle & Equaliser	
L	Dipper (Standard)	
L	Dipper Side Wings	
LR	Dipper Trip	
M	Dipper Handle	
X	Ropes and Front Drum Guards	

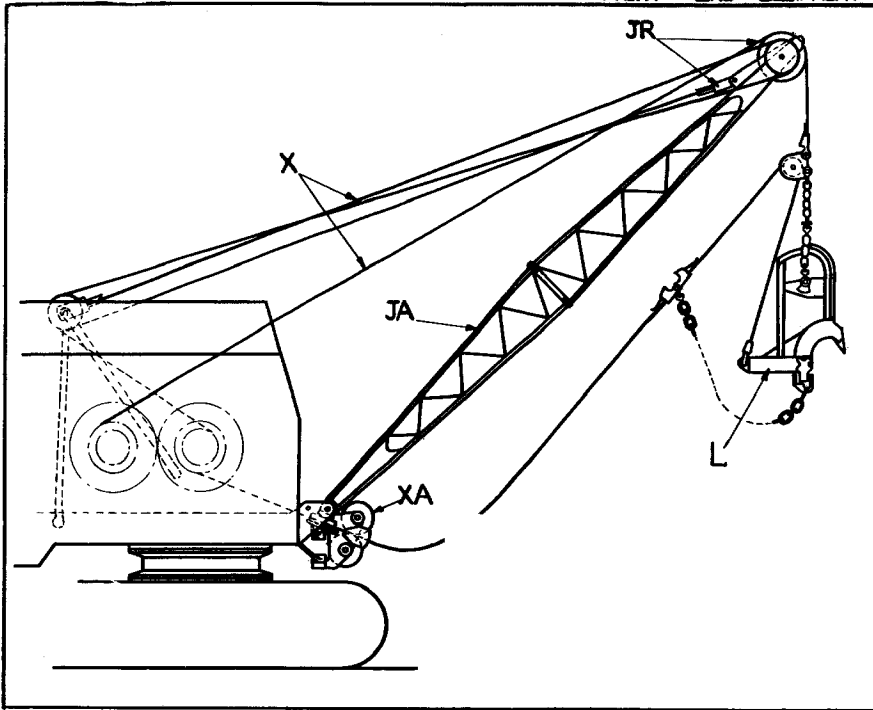


SYMBOL	NAME OF SECTION	SECTION NO.
C	Auxiliary 'A' Frame (Common with Dragshovel - Section 18)	
JA	Boom (Common with Dragshovel - Sections 18 & 18B)	19
JR	Boom Machinery	
L	Dipper	
LR	Dipper Trip	
X	Ropes and Front Drum Guards	

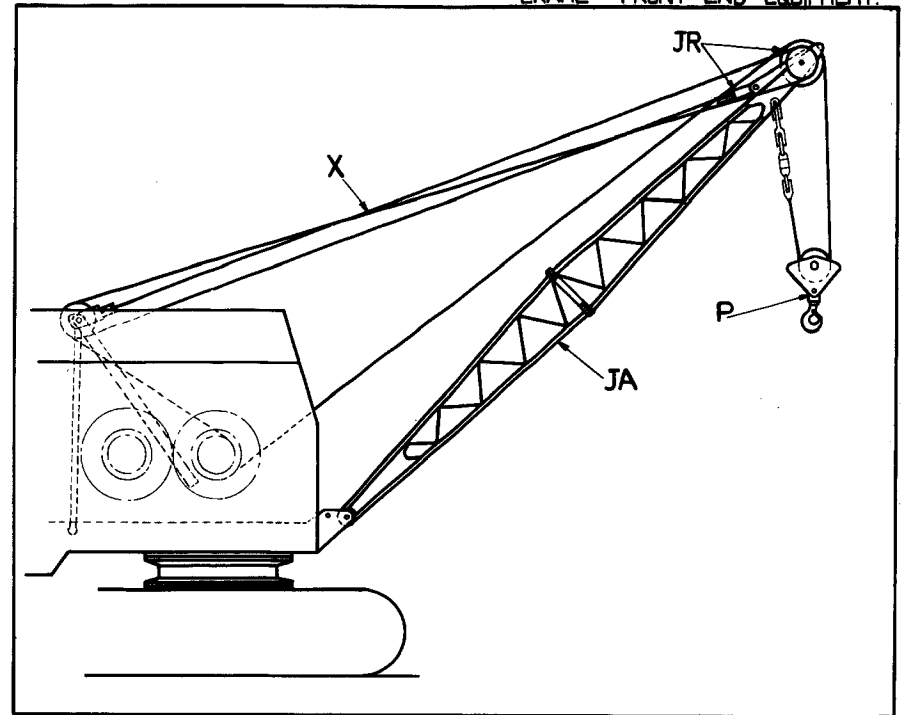
INDEX TO DRAGLINE, CLAMSHELL, CRANE AND PILE-DRIVER

SYMBOL	NAME OF SECTION	SECTION NO.
JA	Boom (Dragline, Clamshell, Crane and Pile Driver)	20
JA	Pile Driver – Leader, Top Connection and Braces	
JA	Pile Driver – Hammer Holding Device	
JR	Boom Back Stops	
JR	Boom Machinery (Dragline or Crane – 2 Part Hoist)	
JR	Boom Machinery (Clamshell or Crane – 3 Part Hoist)	
JR	Boom Machinery (Pile Driver)	
JR	Hoist Rope Deflecting Sheave (Dragline and Crane)	
JR	Hoist Rope Deflecting Sheave (Clamshell)	
JR	Jockey Sheave (Clamshell and Piledriver)	
JR	Hoist Rope Anchor (2 Part Hoist)	
JR	Vertical Tagline (Clamshell)	
L	'AX' Type Dragline Bucket	
L	'BAX' Type Dragline Bucket	
L	Clamshell Grab	
P	Crane Hook and Block (2 Part Hoist)	
P	Crane Hook and Block (2 or 3 Part Hoist)	
P	Pile Driver Lifting Hook	
X	Dragline Ropes and Front Drum Guards	
X	Clamshell Ropes – 6 Parts Suspension - B and A	
X	Automatic Grabline	
X	Clamshell Ropes – 8 Parts Suspension - B and A	
X	Automatic Grabline	
X	Clamshell Ropes and Front Drum Guards	
X	Crane Ropes (2 Part Hoist) and Front Drum Guards	
X	Crane Ropes (3 Part Hoist) and Front Drum Guards	
X	Pile Driver Ropes	
XA	Fairlead	

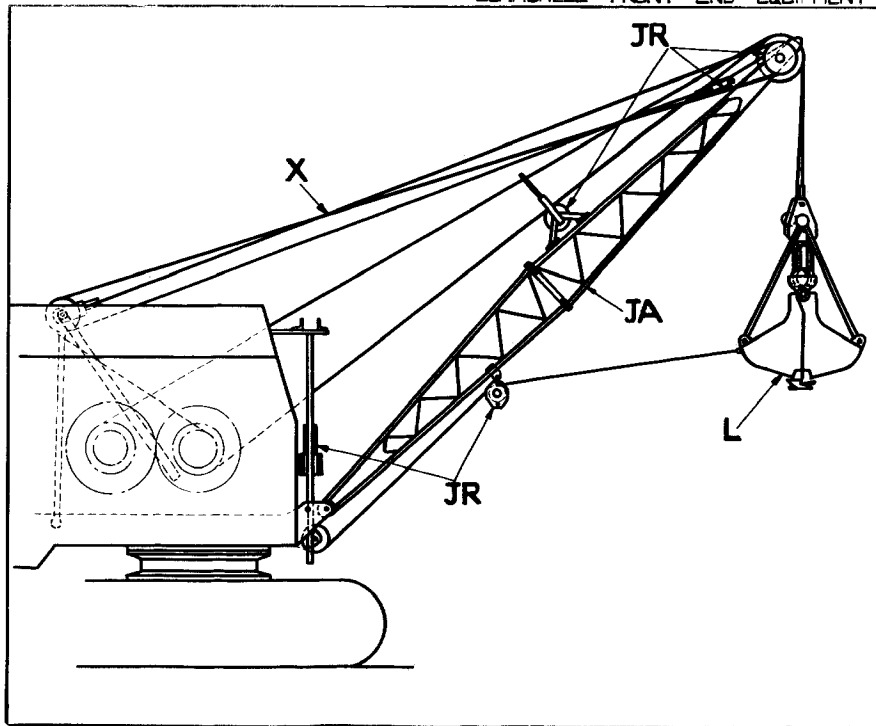
DRAGLINE FRONT END EQUIPMENT



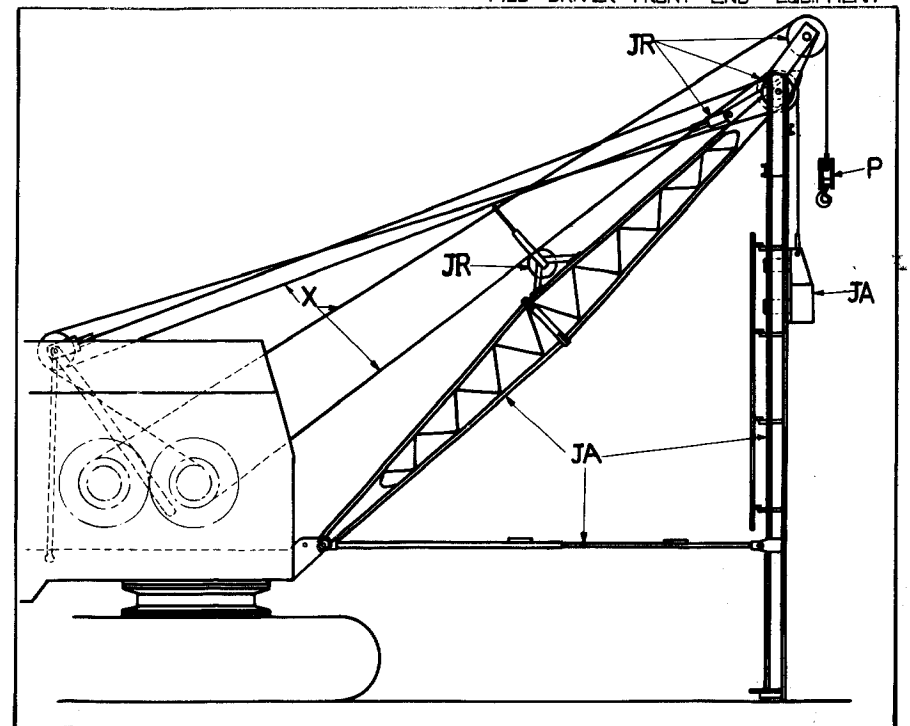
CRANE FRONT END EQUIPMENT



CLAMSHELL FRONT END EQUIPMENT



PILE DRIVER FRONT END EQUIPMENT







Ruston-Bucyrus Limited  
P.O. Box No. 14,  
Excavator Works,  
Lincoln, England.

Tel. Lincoln 25261  
Telex. 5691

London Office  
Crompton House,  
95, Aldwych,  
London, W.C.2.

Tel. Holborn 7197-8-9

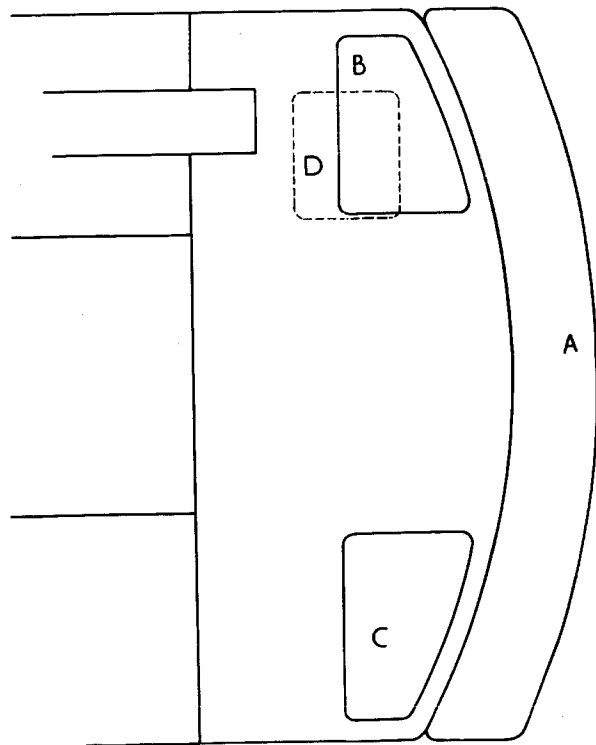
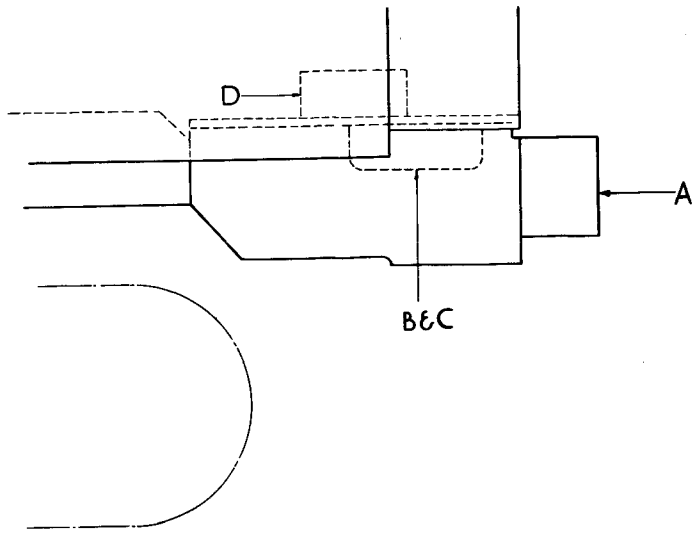
Sales and Service Depots are in existence at the following addresses and it is requested that orders for spares from excavator users in these areas should be sent there.

Belfast	Robert Craig & Sons, Ltd., 19, Great Georges Street, Belfast, Northern Ireland.	BELFAST 25288 20421 (2 Lines)	
Birmingham	Ruston-Bucyrus Ltd., Sales and Service Depot Wolverhampton New Road. Oldbury, Birmingham.	BROADWELL 2311/2	
Cardiff	Ruston-Bucyrus Ltd., Sales and Service Depot, Cowbridge Road West, Cardiff.	CARDIFF 72351/2	
Dublin	Ruston-Bucyrus Ltd., 190, Pearse Street, Dublin, C.5.	STORES Ruston-Bucyrus Ltd., C/o. Ransomes, Simm & Jeffries Ltd., 49, Barrow Street, Dublin.	DUBLIN 75031
Glasgow	Ruston-Bucyrus Ltd., Sales and Service Depot, 2430, London Road, Carmyle, Glasgow. E.2.	SHETTLESTON 4264/5	
Harrogate	Ruston-Bucyrus Ltd., Sales and Service Depot, Hookstone Park, Hookstone Chase, Harrogate, Yorks.	HARROGATE 83277/8	
London	Ruston-Bucyrus Ltd., Spares Service Depot, Galleymead Road, Colnbrook, Bucks.	COLNBROOK 2385/6 Telex. 84143	
Taunton	Ruston-Bucyrus Ltd., Sales and Service Depot, Priorswood Road, Taunton, Somerset.	TAUNTON 7722/3	
Warrington	Ruston-Bucyrus Ltd., Sales and Service Depot, Winwick Road, Warrington.	WARRINGTON 30578/9	

ONLY A LIMITED SUPPLY OF SPARES ARE HELD AT  
BELFAST AND DUBLIN AT THE PRESENT TIME.

22RB

COUNTERWEIGHTS (6 YDAN ENGINE)



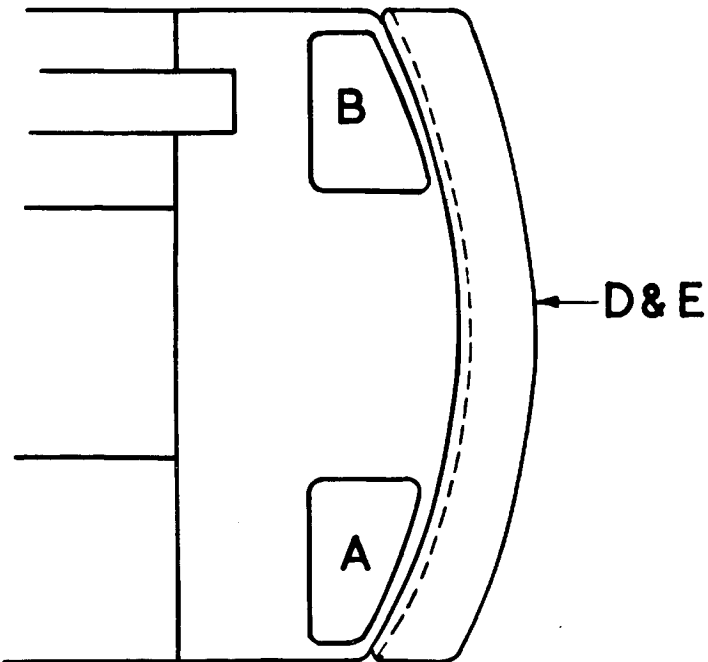
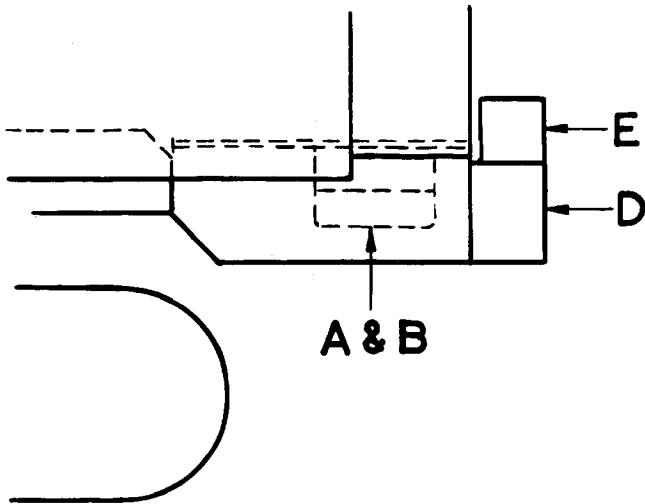
UNDERSIDE OF REVOLVING  
FRAME REAR END

EQUIPMENT	DIESEL	STANDARD	DIESEL WITH TORQUE CONVERTER	
	COUNTERWEIGHT	TOTAL WEIGHT LBS	COUNTERWEIGHT	TOTAL WEIGHT LBS
SHOVEL	A	3030	A	3030
TUNNEL SHOVEL	2-EACH B & C 1 OF D	2800	1-EACH B & D 2 OF C	2270
DRAGSHOVEL STRAIGHT BOOM	A & C	3560	A	3030
DRAGSHOVEL CAMBERED BOOM	1-EACH A & B 2 OF C	4620	AB & C	4090
SKIMMER	AB & C	4090	A & C	3560
DRAGLINE	2-EACH B & C 1 OF A	5150	1 EACH A & B 2 OF C	4620
CLAMSHELL	2-EACH B & C 1 OF A	5150	1-EACH A & B 2 OF C	4620
CRANE	2-EACH B & C 1 OF A	5150	1-EACH A & B 2 OF C	4620

COUNTERWEIGHT	WEIGHT IN LBS
A	3030
B	530
C	530
D	680

22-RB

COUNTERWEIGHTS FOR MACHINES WITH HEAVY DUTY BOOMS & 6YDAN ENGINES



UNDERSIDE OF REVOLVING FRAME REAR END

EQUIPMENT	DIESEL - STANDARD			
	COUNTER-WEIGHT	TOTAL WEIGHT LBS		
CRANE	2 - EACH A & B 1 - EACH D & E	7000		
DRAGLINE	2 - EACH A & B 1 OF D	5150		
CLAMSHELL	2 - EACH A & B 1 OF D	5150		

COUNTERWEIGHT	WEIGHT IN LBS
A	530
B	530
D	3030
E	1850

## STANDARD DIAMETERS &amp; LENGTHS OF ROPES.

## SHOVEL

Hoist	5/8" x 80'
Suspension	5/8" x 120'
Crowd	3/4" x 55'
Back Haul	3/4" x 28'3"
Trip	5/16" x 35'

## DRAGSHOVEL

Hoist	5/8" x 110'
Drag	7/8" x 40'
Trip	5/16" x 44'

## DRAGSHOVEL WITH CAMBERED BOOM

Suspension	5/8" x 86'
Hoist	5/8" x 110'
Drag	3/4" x 70'

## DRAGSHOVEL WITH ROPE SUSPENSION

Suspension	5/8" x 86'
Hoist	5/8" x 110'
Drag	7/8" x 40'
Trip	5/16" x 44'

## SKIMMER

Boom Hoist	5/8" x 86'
Digging	3/4" x 45'
Trip	5/16" x 17' & 19'

## PILE DRIVER

Suspension	As Dragline
Pile Lifting	5/8" x 106'
Hammer	5/8" x 90'
Hammer Rest	5/16" x 23'

## DRAGLINE

Suspension Rope	5/8" x 310'	(40ft. Boom)
Suspension Rope	5/8" x 340'	(45ft. Boom)
Suspension Rope	5/8" x 370'	(50ft. Boom)
Hoist Rope	5/8" x 90'	(40ft. Boom)
Hoist Rope	5/8" x 100'	(45ft. Boom)
Hoist Rope	5/8" x 110'	(50ft. Boom)
Drag Rope	3/4" x 65'	(Common)
Tipping Rope	5/8" x 17'	(Common)

## CLAMSHELL

Suspension Rope.	As Dragline.
Closing	5/8" x 135'
Holding	5/8" x 110'
Tagline	5/16" x 65'

## CRANE

Hoist (2 Part)	5/8" x 142'
Hoist (3 Part)	5/8" x 187'
Suspension	As Dragline

## CRANE OFFSET JIB

Guy Rope	5/8" x 40'
Safety Rope (2)	1/2" x 6'
Hoist Rope	5/8" x 120' (with 40' main boom)
Hoist Rope	5/8" x 140' (with 50' main boom)
Hoist Rope	5/8" x 160' (with 60' main boom)

NOTE: These sizes may not apply to special equipments or to older machines. In case of doubt please check.

**INDEX 22-RB BASE MACHINE  
AND SPECIAL DETAILS**

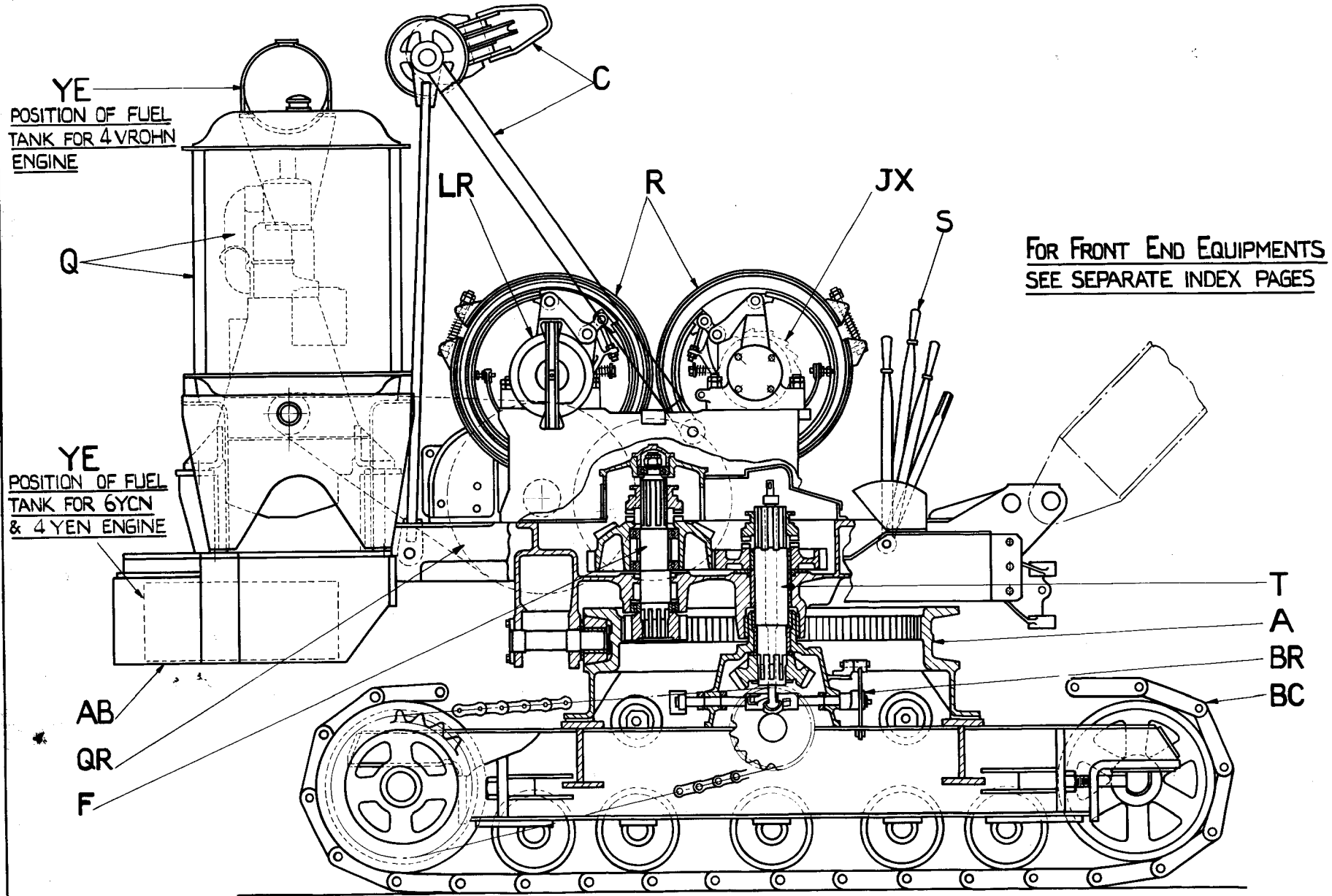
PUBLICATION 304 - 2 - 62

DESCRIPTION	SYMBOL	SECTION	DESCRIPTION	SYMBOL	SECTION
GENERAL INFORMATION		1	MAIN MACHINERY (HOIST CONTROLLED LOWERING)	R	11A
REVOLVING FRAME	AB	2	Front Drumshaft (Dragline, Clamshell & Crane)		
TRUCK FRAME & CATERPILLARS Standard Long & Wide	A & BC	3 3A	Front Drumshaft (Conversion from above to Shovel)		
STEERING MACHINERY	BR	4	Front Drumshaft (Conversion from above to Dragshovel & Skimmer)		
REAR 'A' FRAME 6- Part Suspension 8- Part Suspension	C	5	Rear Shaft (Dragline, Clamshell & Crane)		
SWING MACHINERY	F	6	Rear Shaft (Conversion from above to Shovel, Dragshovel & Skimmer)		
BOOM HOIST Clutch & Brake Machinery	JX	7	Clutches Main Brake Band		
POWER DIPPER TRIP	LR	8	CONTROL LEVERS	S	12
ENGINE Governor Controls Fuel Tank & Piping Radiator, Fan & Water Piping Remote Oil Pressure Gauge Exhaust	Q & YE	9	Boom Hoist Levers Brake Levers Clutch Levers Engine Clutch Levers High Speed Propel Levers Foot Brake Ratchet Lock Operator's Seat Swing Lock Levers Swing & Propel Levers		
TRANSMISSION	QR	10			
MAIN MACHINERY Front Drumshaft (Shovel) Front Drumshaft (Skimmer & Dragshovel) Front Drumshaft (Dragline, Clamshell & Crane) Rear Drumshaft Clutches Main Brake	R	11	PROPELLING MACHINERY	T	13
			CAB	W	14
			LUBRICATING DETAILS	YD	15
			SWING BRAKE Brake Band Brake Levers	S & R	16

FOR INDEX TO FRONT END EQUIPMENTS SEE ADJOINING SHEETS

ANY SECTION NOT INCLUDED IN THIS CATALOGUE IS CLASSIFIED AS SPECIAL DETAILS OR EQUIPMENT AND IS NOT FITTED TO YOUR MACHINE.

THE INDIVIDUAL SECTIONS IN THIS CATALOGUE ARE DEFINED BY MEANS OF A NUMBERED BLACK FLASH ON EACH PAGE. BY BENDING THE BOOK BACK YOU CAN EASILY LOCATE ANY DESIRED SECTION.



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## REVOLVING FRAME

22-RB

NUMBER	NAME	NUMBER	NAME
AB7	Centre Bushing	RBAB385	Nut
AB8	Roller-Standard	RBAB386	Retainer
AB8A	Cone Roller - 1/16" Oversize	RBAB410	Retainer Stud
AB8B	Cone Roller - 1/8" Oversize	RBAB411	Washer
AB8C	Cone Roller - 3/16" Oversize	RBAB412	Shims (1 Set)
AB8D	Cone Roller - 1/4" Oversize	RBAB414	Rod Bolt
	(Cone Rollers Include RBAB415)	RBAB415	Roller Bushing
AB29	Propelling Shaft Upper Bushing	RBAB416	Tension Pin
AB40	Boom Foot Pin	RBAB417	Tension Pin
AB64	Boom Foot Pin Lock	RBAB418	Setscrew
AB65	Hand Hole Cover	RBAB419	'O' Ring
AB67	Right Deck Plate Complete	RBAB420	'O' Ring
AB68	Left Deck Plate Complete		
AB108	Right Step		
AB126	Vertical Swing Shaft Bearing Retainer		
AB127	Retainer Gasket		
AB128	Retainer Cap Screw		
AB129	Horizontal Swing Shaft Bearing Housing		
AB130	Housing Gasket		
AB131	Housing Bolts		
AB133	Oil Pan Frame		
AB134	Rear Oil Pan Cover		
AB135	Rear Cover Plate		
RBAB140	Front Brake Anchor Pin		
RBAB141	Rear Brake Anchor Pin		
RBAB142	Anchor Pin Lock		
RBAB143	Revolving Frame Casting (Includes AB7 & AB29)		
RBAB144	Rear End Section		
RBAB145	Rear End Bolts		
RBAB146	Oil Pan Cover		
RBAB149	Bridge Casting (Welded to Rev. Frame)		
RBAB152	Roller Carriage		
RBAB153	Roller Carriage Pin		
RBAB154	Roller Pin		

THIS SHEET RELATES TO SYMBOLS:- L855AB L880AB L882AB L902AB L903AB L905AB L911AB L913AB L916AB L917AB L923AB





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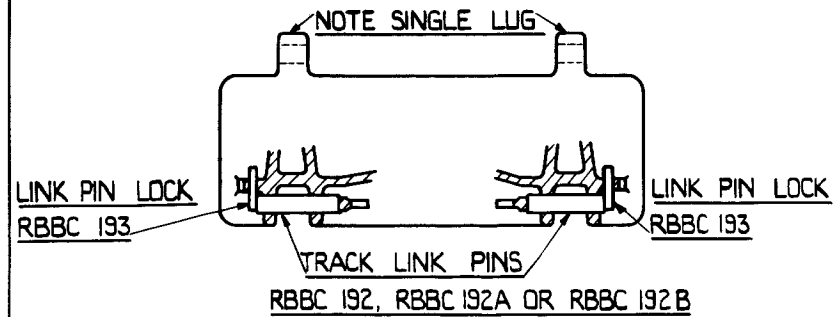
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## TRUCK FRAME AND WIDESPREAD CATS.

22-RB

NUMBER	NAME	NUMBER	NAME
A17	LOWER SHAFT RIGHT BUSHING (2 HALVES)	RBBC204	LOWER ROLLER SHAFT
A18	LOWER SHAFT LEFT BUSHING (2 HALVES)	RBBC205	LOWER ROLLER DUST SHIELD
A19	LOWER SHAFT RIGHT CAP	RBBC207	U-BOLT BEVEL WASHER
A20	LOWER SHAFT LEFT CAP	RBBC210	WELDED CAT FRAME COMPLETE
A21	CAP BOLT	RBBC211	TRUCK FRAME BOLTS (SET)
A23	CLUTCH SHAFT BUSHING	RBBC213	DRIVING TUMBLER
A32	RIGHT BEARING SHIMS (SET)	RBBC214	DRIVING TUMBLER SHAFT (INC. RBBC215)
A33	LEFT BEARING SHIMS (SET)	RBBC215	DRIVING TUMBLER KEY
A48	VERTICAL SHAFT LOWER BUSHING	RBBC216	CHAIN SPROCKET
RBA136	TRUCK FRAME CASTING (INCLUDES BUSHINGS, CAPS AND CAP BOLTS.)	RBBC217	RIGHT OUTSIDE BEARING (INCLUDES RBBC220)
BC21	NUT LOCK	RBBC218	LEFT OUTSIDE BEARING (INCLUDES RBBC220)
BC63	CHAIN SPROCKET RETAINER	RBBC219	INSIDE BEARING (INCLUDES RBBC221)
BC64	RETAINER CAPSCREW	RBBC220	TUMBLER SHAFT OUTER BUSHING
BC73	UPPER ROLLER	RBBC221	TUMBLER SHAFT INNER BUSHING
BC75	UPPER ROLLER SHAFT	RBBC222	BEARING BOLT
BC76	UPPER ROLLER SHAFT LOCK	RBBC223	PROPELLING CHAIN ADJUSTING SCREW (INCLUDES RBBC201)
BC79	RETAINER CAPSCREW LOCK	RBBC224	ADJUSTING SCREW PIN
BC117	NUT LOCK BOLT	RBBC225	COMPLETE PROPELLING CHAIN
BC139	DRIVING SPROCKET	RBBC226	PROPELLING CHAIN LINK
RBBC193	LINK PIN LOCK	RBBC227	PROPELLING CHAIN LINK PIN
RBBC195	TAKE-UP TUMBLER (INCLUDES RBBC196)	RBBC228	LOWER ROLLER SHAFT U-BOLT
RBBC196	TAKE-UP TUMBLER BUSHING	RBBC230	BEARING BOLT BAR
RBBC197	TAKE-UP SHAFT	RBBC231	ADJUSTING SCREW SPACER
RBBC198	TAKE-UP TUMBLER DUST SHIELD	RBBC299	TRACK LINK
RBBC199	TAKE-UP SHAFT BOLT	RBBC300	TRACK LINK PIN (STANDARD 1 $\frac{1}{8}$ " DIA.)
RBBC200	TAKE-UP SCREW (INCLUDES RBBC201)	RBBC300A	TRACK LINK PIN (OVERSIZE 1.3/16" DIA.)
RBBC201	TAKE-UP SCREW NUT	RBBC300B	TRACK LINK PIN (OVERSIZE 1 $\frac{1}{4}$ " DIA.)
RBBC202	LOWER ROLLER (INCLUDES 2 OF RBBC203)		
RBBC203	LOWER ROLLER BUSHING		

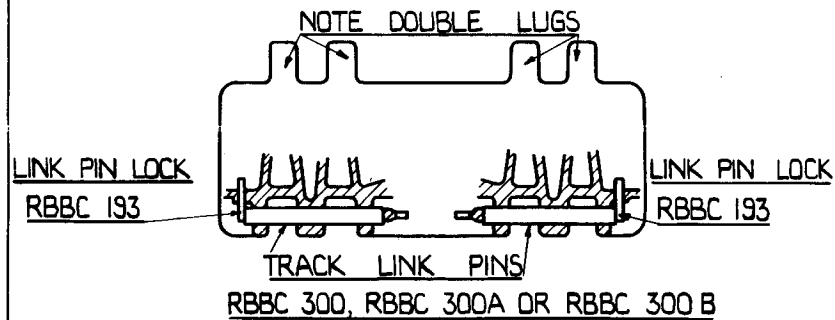
THIS SHEET L406BC L444BC L450BC L451BC  
RELATES TO  
SYMBOLS:-



SINGLE LUG TYPE TRACK LINK - RBBC 212

USED ON ALL 22RB MACHINES UP TO AND INCLUDING N° 20048

THESE LINKS WILL NOT CONNECT UP WITH DOUBLE LUG TYPE SHOWN BELOW.  
ODD LINKS OF SINGLE LUG TYPE CAN STILL BE SUPPLIED FOR SERVICE.



DOUBLE LUG TYPE TRACK LINK - RBBC - 299

USED ON ALL 22RB MACHINES COMMENCING N° 20049 AND FUTURE

THESE LINKS WILL NOT CONNECT UP WITH SINGLE LUG TYPE SHOWN ABOVE

NOTE :- LINK PINS ARE NOT INTERCHANGEABLE BETWEEN THE TWO TYPES OF LINKS

DOUBLE LUG TYPE LINKS WILL ONLY REPLACE SINGLE LUG LINKS IF A COMPLETE SET OF 70 LINKS WITH PINS ARE ORDERED

IMPORTANT :-

BEFORE PLACING ORDER FOR SINGLE LUG LINKS OR PINS FOR SAME IT WILL BE NECESSARY TO ASCERTAIN THAT THE MACHINE HAS NOT BEEN CONVERTED TO DOUBLE LUG TYPE LINKS.





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STEERING MACHINERY AND DIGGING LOCK.

19 & 22-RB.

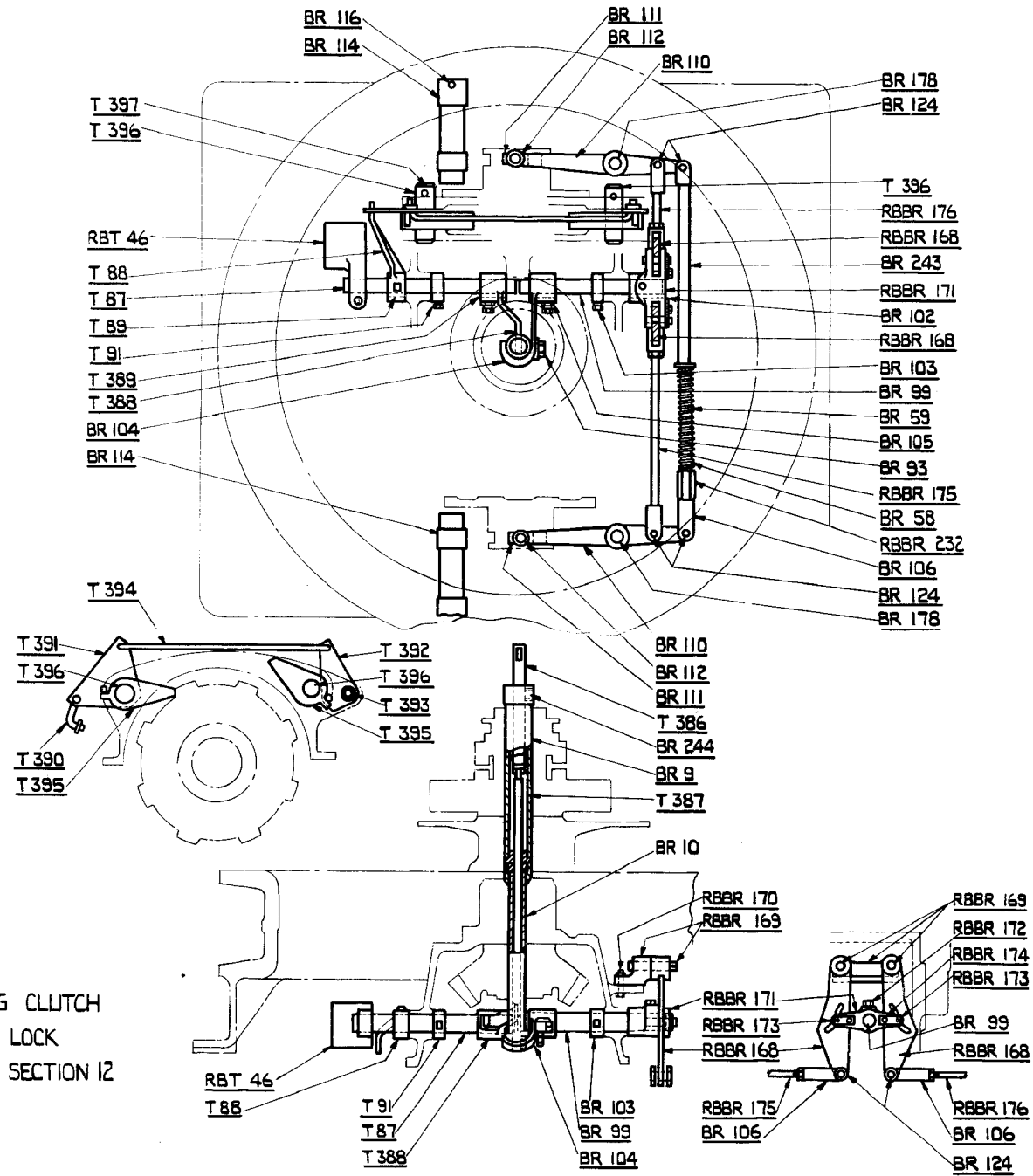
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NUMBER	NAME	NUMBER	NAME
BR 9	UPPER VERTICAL STEERING ROD (INCLUDES BR 244)	RBBR 171	LEVER
BR 10	LOWER VERTICAL STEERING ROD (INCLUDES BR 244)	RBBR 172	LEVER LOCKING SCREW
BR 58	SPRING ROD (INCLUDES RBR 232)	RBBR 173	LEVER SHIFTER PINS
BR 59	SPRING	RBBR 174	SHIFTER PIN LOCKING SCREW
BR 93	LOWER ROD LEVER PIN	RBBR 175	RIGHT REACH ROD
BR 99	INTERMEDIATE STEERING SHAFT (INCLUDES KEYS)	RBBR 176	LEFT REACH ROD
BR 102	LEVER KEY	RBBR 232	SPRING ROD SPECIAL NUT
BR 103	SHAFT COLLAR	T 87	DIGGING LOCK INTERMEDIATE SHAFT (INCLUDES KEYS)
BR 104	LOWER VERTICAL ROD LEVER	T 88	INTERMEDIATE SHAFT LEVER
BR 105	LEVER KEY	T 89	LEVER KEY
BR 106	REACH ROD END	T 91	SHAFT COLLAR
BR 110	CLUTCH SHIFTER	T 386	DIGGING LOCK UPPER CENTRE REACH ROD
BR 111	CLUTCH SHIFTER SHOE	T 387	DIGGING LOCK LOWER CENTRE REACH ROD
BR 112	SHIFTER SHOE PIN	T 388	LOWER CENTRE ROD LEVER
BR 114	CLUTCH LOCK	T 389	LEVER KEY
BR 116	CLUTCH LOCK BOLT	T 390	LEVER LINK
BR 124	ROD END PIN	T 391	BELL CRANK
BR 178	CLUTCH SHIFTER FULCRUM PIN	T 392	BELL CRANK
BR 243	SPRING GUIDE	T 393	BELL CRANK FULCRUM PIN
BR 244	VERTICAL ROD LEVER PIN BUSHING	T 394	BELL CRANK LINK
RBBR 168	CAM LEVER	T 395	PAWL
RBBR 169	CAM LEVER BRACKET AND PINS	T 396	PAWL PIN
RBBR 170	BRACKET BOLTS (SET)	T 397	PAWL PIN LOCK
		RBT 46	COUNTERWEIGHT

THIS SHEET L159BR L160BR  
RELATES TO  
SYMBOLS:-

# 19 & 22 RB

# STEERING MACHINERY AND DIGGING LOCK



FOR STEERING CLUTCH  
AND DIGGING LOCK  
LEVERS SEE SECTION 12

THIS SHEET  
RELATES TO  
SYMBOLS:-

L159BR L160BR



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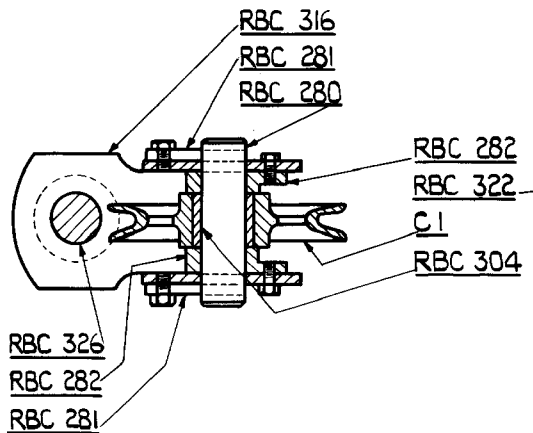
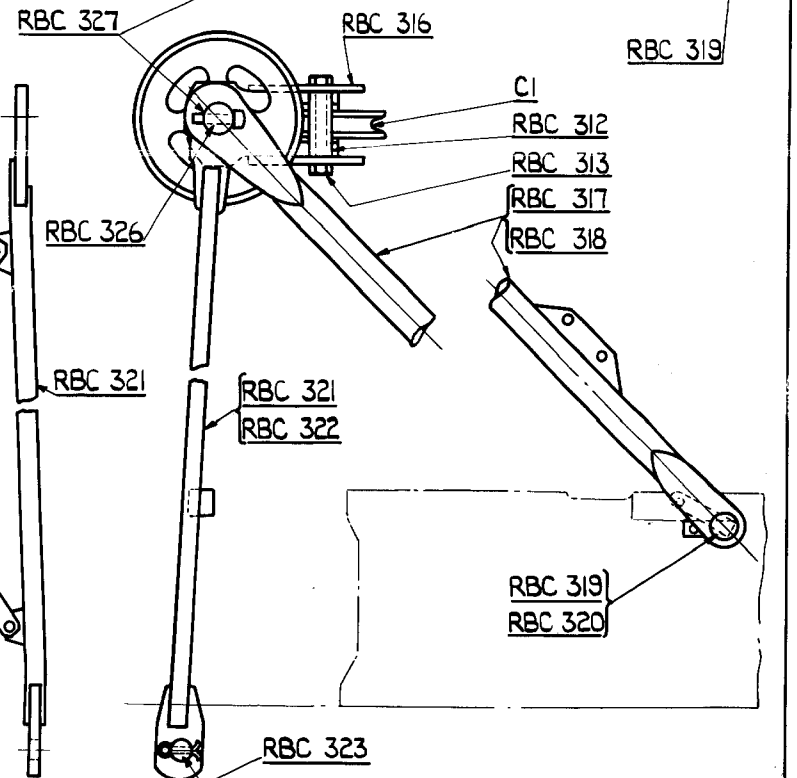
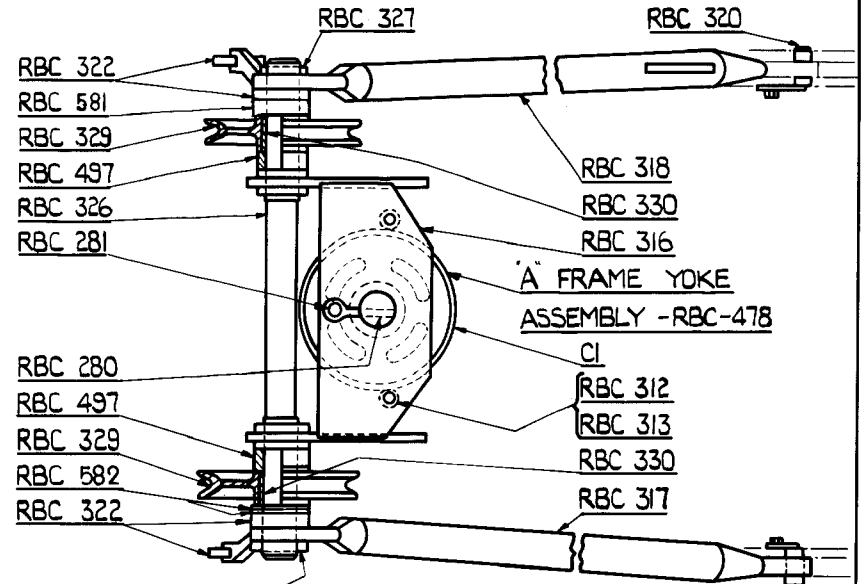
'A' FRAME - 4 OR 6 PART SUSPENSION

19 & 22 RB

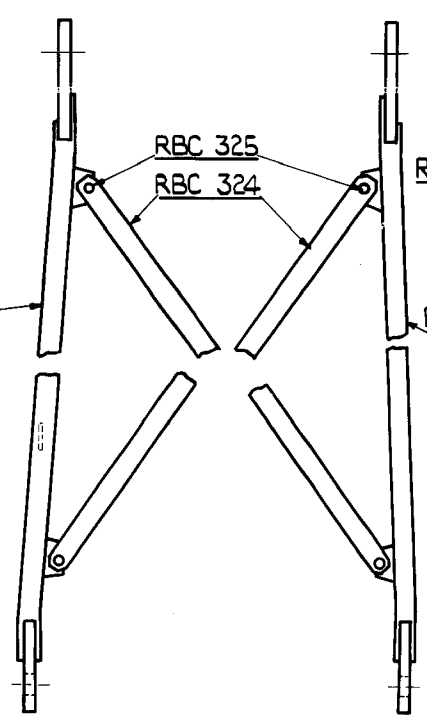
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NUMBER	NAME	NUMBER	NAME
C 1	Suspension Sheave (Includes RBC 304)	RBC 322	'A' Frame Left Back Leg
RBC 280	Suspension Sheave Pin	RBC 323	Back Leg Foot Pin
RBC 281	Sheave Pin Lock	RBC 324	Back Leg Brace
RBC 282	Sheave Pin Spacer	RBC 325	Brace Bolts
RBC 304	Suspension Sheave Bushing	RBC 326	'A' Frame Head Pin
RBC 312	Yoke Pipe Spacer	RBC 327	Head Pin Lock
RBC 313	Yoke Spacer Bolt	RBC 328	Head Pin Spacer
RBC 316	'A' Frame Yoke	RBC 329	Hoist Sheave (Includes RBC 330)
RBC 317	'A' Frame Right Front Leg	RBC 330	Hoist Sheave Bushing
RBC 318	'A' Frame Left Front Leg	RBC 478	'A' Frame Yoke Assembly (Includes C1, RBC 280, RBC 304, RBC 306, RBC 307, RBC 308, RBC 316, and 2 off RBC 281, RBC 282, RBC 312, RBC 313, RBC 328 RBC 329, RBC 330 and RBC 497.
RBC 319	Right Front Leg Foot Pin	RBC 497	Head Pin Spacer
RBC 320	Left Front Leg Foot Pin	RBC 581	Head Pin Spacer
RBC 321	'A' Frame Right Back Leg	RBC 582	Head Pin Spacer

THIS SHEET RELATES TO SYMBOLS:- L358C L359C L414C L436C L443C L444C L449C L450C L451C L452C L463C



SECTION THRO 'A' FRAME YOKE



THIS SHEET	L358C	L359C	L414C	L436C	L443C	L444C	L449C	L450C	L451C	L452C	L463C								
RELATES TO	L432C																		
SYMBOLS:-																			

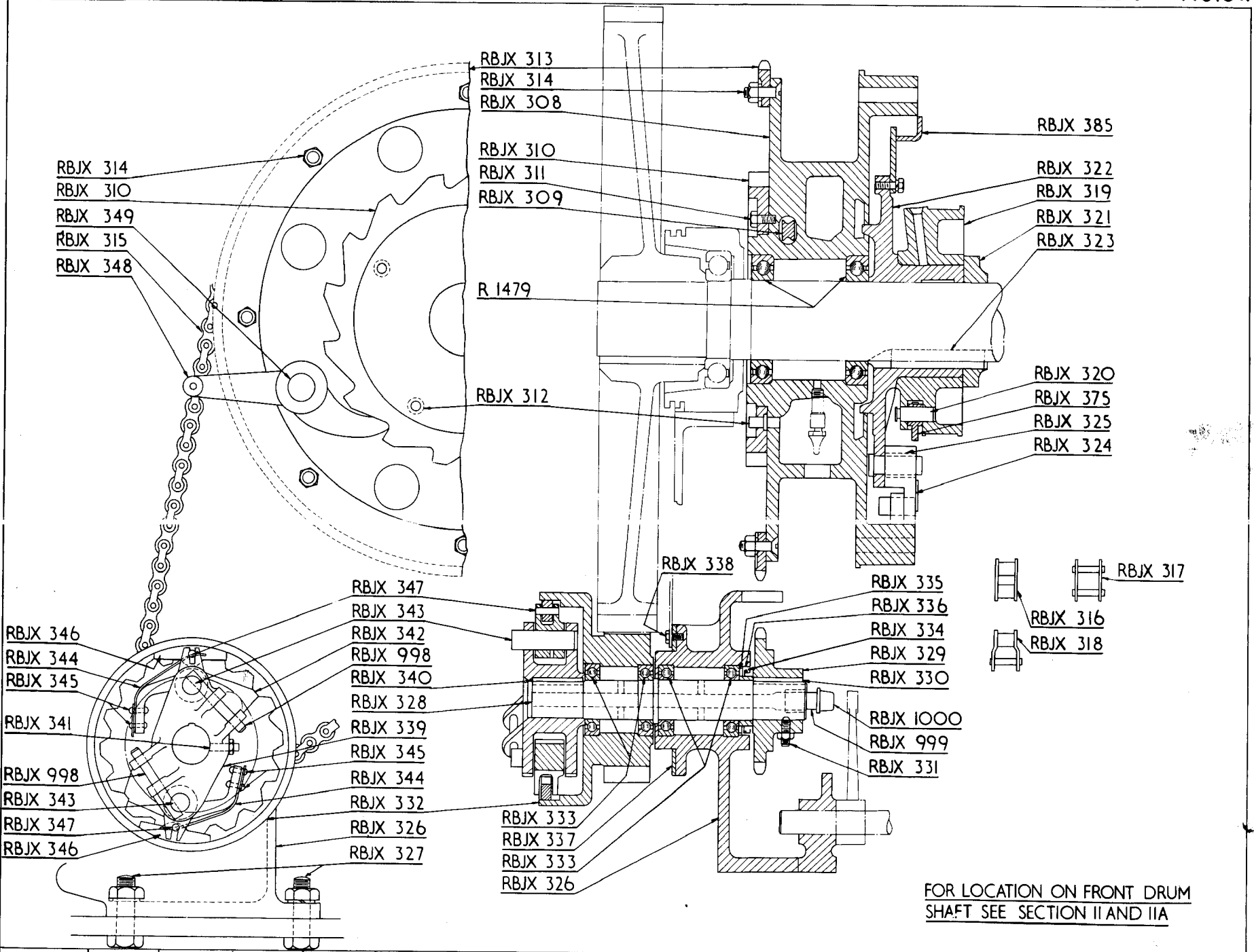






NUMBER	NAME	QUAN PER M/C	NUMBER	NAME	QUAN PER M/C
R1479	Hoist Drum Bearings		RBJX342	Lowering Pawl	
RBJX308	Boom Hoist Drum (Inc. RBJX309)		RBJX343	Lowering Pawl Pin	
RBJX309	Rope Anchor Wedge		RBJX344	Lowering Pawl Spring	
RBJX310	Hoist Drum Ratchet		RBJX345	Pawl Spring Rivets	
RBJX311	Drum Ratchet Capscrew		RBJX346	Pawl Friction Shoe	
RBJX312	Ratchet Dowel		RBJX347	Friction Shoe Pin	
RBJX313	Drum Sprocket		RBJX348	Drum Ratchet Pawl	
RBJX314	Drum Sprocket Bolt		RBJX349	Pawl Pin	
RBJX315	Boom Hoist Drive Chain		RBJX375	Booster Link	
RBJX316	Chain Inner Link		RBJX385	Band Guide	
RBJX317	Chain Outer Link		RBJX998	Pawl Arm Pin	
RBJX318	Chain Cranked Link		RBJX999	Pipe Nipple	
RBJX319	Booster Housing		RBJX1000	Pipe Cap	
RBJX320	Booster Driving Pin				
RBJX321	Housing Spacer				
RBJX322	Boom Hoist Clutch Driver				
RBJX323	Clutch Driver Key				
RBJX324	Clutch Bell Crank (Inc. RBJX325)				
RBJX325	Bell Crank Fulcrum Pin Bushing				
RBJX326	Lever Shaft Bracket				
RBJX327	Bracket Bolt				
RBJX328	Lowering Control Shaft (Inc. Keys)				
RBJX329	Control Shaft Sprocket				
RBJX330	Sprocket Key				
RBJX331	Sprocket Setscrew				
RBJX332	Pinion and Ratchet Housing				
RBJX333	Control Shaft Bearings				
RBJX334	Control Shaft Oil Seal				
RBJX335	Oil Seal Collar				
RBJX336	Oil Seal Spacer				
RBJX337	Transmission Case Gasket				
RBJX338	Transmission Case Capscrew				
RBJX339	Lowering Pawl Arm				
RBJX340	Pawl Arm Key				
RBJX341	Pawl Arm Setscrew				

THIS SHEET L272JX L291JX L292JX L296JX  
RELATES TO  
SYMBOLS:-



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THIS SHEET	L272JX	L291JX	L292JX	L296JX															
RELATES TO																			
SYMBOLS :-																			

FOR LOCATION ON FRONT DRUM  
SHAFT SEE SECTION II AND IIA

NUMBER	NAME	QUAN. PER M/C	NUMBER	NAME	QUAN. PER M/C
RBJX320	Booster Driving Pin		RBJX383	Booster Band Joint Bolt	
RBJX324	Clutch Bell Crank (Includes RBJX325)		RBJX384	Clutch Band Joint Bolt	
RBJX325	Bell Crank Fulcrum Pin Bushing		RBJX385	Clutch Band Guide	
RBJX326	Lever Shaft Bracket		RBJX386	Clutch Band Guide	
RBJX327	Bracket Bolt		RBJX387	Guide Cap Screw	
RBJX350	Brake Lever		RBJX388	Cam Reach Rod Pin	
RBJX351	Booster Lever		RBJX389	Clutch Band Anchor Pin	
RBJX352	Lever Shaft		RBJX390	Anchor Pin Lock Cap Screw	
RBJX354	Cam Reach Rod		RBJX923	Special Washer	
RBJX356	Brake Band (Includes RBJX357)		RBJX983	Cover	
RBJX357	Brake Band Lining (Includes RBJX358)				
RBJX358	Rivets (For RBJX357)				
RBJX359	Brake Spring				
RBJX360	Spring Rod Pin				
RBJX361	Band Anchor Pin				
RBJX362	Spring Pin				
RBJX363	Spring Seat				
RBJX364	Clutch Band (Includes RBJX365)				
RBJX365	Clutch Band Lining (Includes RBJX366)				
RBJX366	Rivets (For RBJX365)				
RBJX367	Brake Band Joint Pin				
RBJX368	Booster Band (Includes RBJX369)				
RBJX369	Booster Band Lining (Includes RBJX370)				
RBJX370	Rivets (For RBJX369)				
RBJX371	Booster Spring				
RBJX372	Brake Band Release Spring				
RBJX373	Bell Crank Link Pin				
RBJX374	Spring Take-up Bolt				
RBJX375	Booster Link (Includes 2 of RBJX376)				
RBJX376	Booster Link Bushing				
RBJX377	Operating Cam				
RBJX378	Cam Roller				
RBJX379	Cam Roller Pin				
RBJX380	Cam Pin				
RBJX381	Booster Band Release Spring				
RBJX382	Booster Band Cushion Spring				

THIS SHEET L272JX L291JX L292JX L296JX  
RELATES TO  
SYMBOLS:-



NUMBER	NAME	NUMBER	NAME
LR 11	TRIP ROPE (FOR SHOVEL ONLY)	LR 180	BRIDGE BOLT (SET)
LR 81	DRUM	LR 181	SHIFTER PIN ADJUSTING SCREW
LR 82	HUB	LR 182	COMPRESSION SPRING
LR 83	FRICITION RING	LR 183	SPRING ADJUSTING PIN
LR 85	HUB KEY	LR 184	SHORT TOGGLE LINK
LR 94	ROPE CLAMP	LR 185	SHORT TOGGLE LINK PIN
LR 96	DIPPER TRIP GUARD WITH BOLTS	LR 186	LONG TOGGLE LINK
LR 97	HAND LEVER	LR 187	LONG TOGGLE LINK FULCRUM PIN
LR 103	HAND LEVER SPRING	LR 188	TOGGLE LINK FORK
LR 104	SPRING BOLT	LR 189	TOGGLE LINK FORK PIN
LR 107	REACH ROD	LR 190	TOGGLE REACH ROD
LR 108	REACH ROD END	LR 191	TOGGLE BELL CRANK
LR 109	ROD END PIN	LR 192	BELL CRANK SHAFT
LR 155	SHIFTER PIN	LR 198	WEARING PLUG
LR 157	LEVER	LR 202	ROLLER BRACKET
LR 158	FULCRUM PIN	LR 203	BRACKET CAPSCREW (1 ONLY)
LR 171	ROLLER	LR 209	TRIP ROLLER BEARING
LR 172	ROLLER PIN	LR 210	TRIP ROLLER BEARING BOLTS
LR 173	ROLLER PIN	LR 211	TRIP ROPE GUARD )
LR 176	BRACKET RETAINER	RBLR 461	ROLLER
LR 178	RETAINER CAP SCREW (1 ONLY)	R 376	RETAINER GASKET
LR 179	BRIDGE		

THIS SHEET L272LR L295LR  
RELATES TO  
SYMBOLS:-









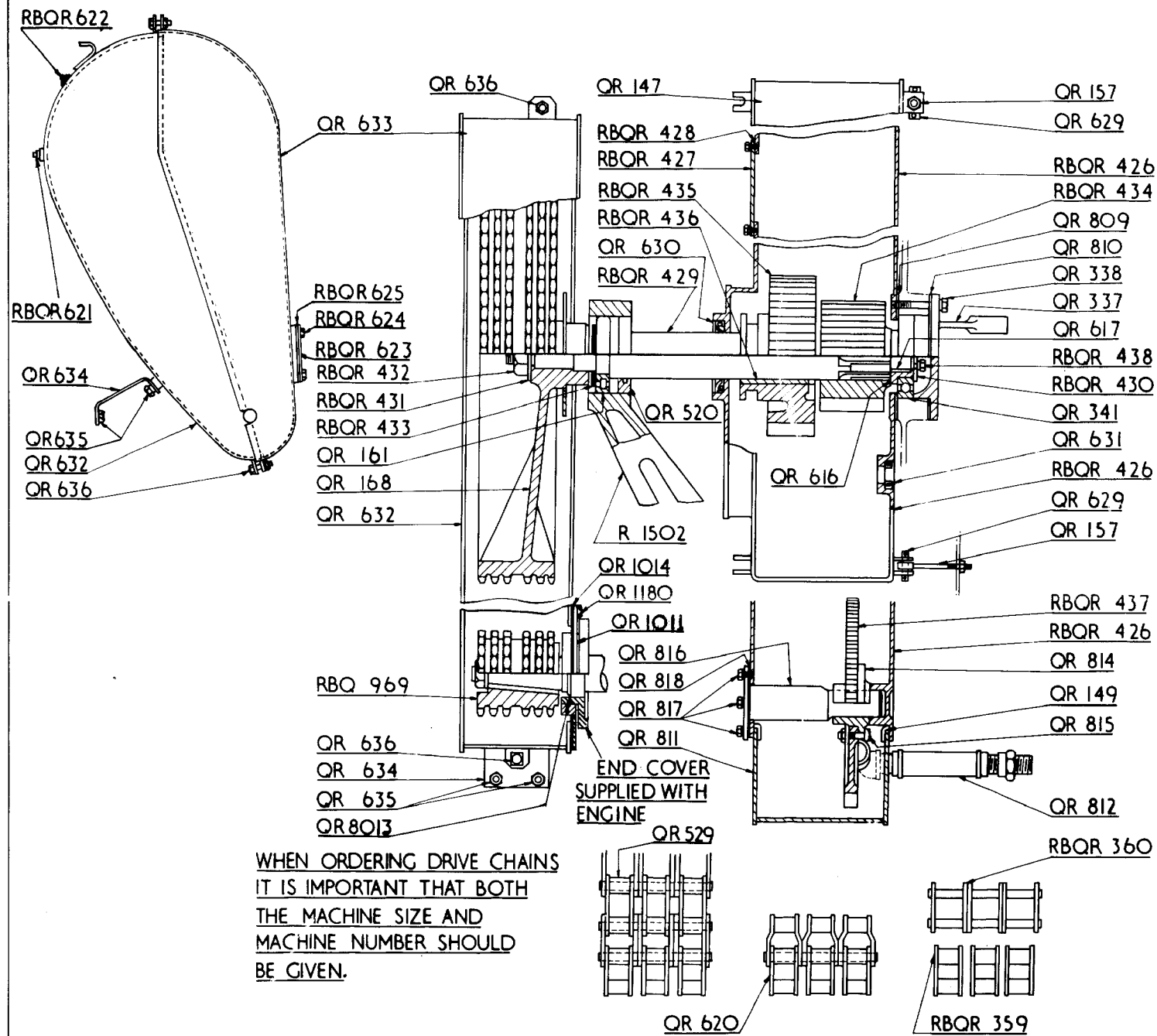
TRANSMISSION

22RB

NUMBER	NAME	NUMBER	NAME
RBQ969	Clutch Shaft Sprocket	RBQR359	Drive Chain Inner Link (3 Pieces)
QR147	Transmission Case Cover	RBQR360	Drive Chain Outer Link
QR149	Case Gasket	RBQR426	Transmission Case
QR157	Cover Eyebolt	RBQR427	Boom Hoist Control Shaft Cover
QR161	Left Bearing	RBQR428	Cover Gasket
QR168	Horizontal Shaft Sprocket	RBQR429	Horizontal Transmission Shaft
QR337	Right Bearing Retainer	RBQR430	Bearing Retainer
QR338	Retainer Capscrew	RBQR431	Sprocket Retainer
QR341	Right Bearing	RBQR432	Shaft Lock Nut
QR520	Oil Retainer	RBQR433	Left Bearing Fibre Washer
QR529	Transmission Drive Chain	RBQR434	Hoist Pinion
QR616	Right Bearing Sleeve	RBQR435	High Speed Propelling Pinion (Includes RBQR436)
QR617	Sleeve Key	RBQR436	Pinion Bushing
QR620	Drive Chain Double Cranked Link	RBQR437	Transmission Case Oil Gear
QR629	Eyebolt Pin	RBQR438	Retainer Capscrews
QR630	Oil Seal Ring	RBQR621	Chain Case Cover Drain Plug
QR631	Oil Seal Ring	RBQR622	Chain Case Plug
QR632	Drive Chain Case	RBQR623	Chain Case Oil Filler Cover
QR633	Drive Chain Case Cover	RBQR624	Oil Filler Cover Setscrews
QR634	Case Support	RBQR625	Oil Filler Cover Gasket
QR635	Support Bolts	R1502	Left Bearing Bracket
QR636	Hinge Bolt		
QR809	Gasket		
QR810	Retainer Gasket		
QR811	Case Oil Sump Complete		
QR812	Sump Drain Hose (Includes Clamps)		
QR814	Oil Gear Hub		
QR815	Hub Bolt		
QR816	Oil Gear Shaft		
QR817	Shaft Bolts		
QR818	Shaft Gasket		
QR1011	Engine Sprocket Cover		
QR1014	Engine Sprocket Cover Gasket		
QR1180	Sprocket Cover Capscrews		
QR8013	'O' Ring		

THIS SHEET L626QR L638QR  
RELATES TO  
SYMBOLS:-

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WHEN ORDERING DRIVE CHAINS  
 IT IS IMPORTANT THAT BOTH  
 THE MACHINE SIZE AND  
 MACHINE NUMBER SHOULD  
 BE GIVEN.

THIS SHEET	L626QR	L638QR																		
RELATES TO																				
SYMBOLS :-																				

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SHOVEL - FRONT DRUM SHAFT.

19 & 22-RB.

NUMBER	NAME	NUMBER	NAME
RBQR 426	TRANSMISSION CASE	R 970	RIGHT BEARING COVER
R 67	HOIST GEAR KEY	R 973	SHAFT RETAINER
R 87	RIGHT SIDE FRAME	R 974	RETAINER CAP SCREW
R 94	RIGHT FRAME FOUNDATION BOLTS (SET)	R 1497	OUTER FRICTION HOUSING BEARING
R 272	RIGHT BEARING	R 1498	SWING FRICTION HOUSING RIGHT BEARING
R 273	LEFT BEARING	R 1499	SWING FRICTION HOUSING LEFT BEARING
R 279	COVER CAP SCREW	R 1500	LEFT BEARING HOUSING
R 375	COVER GASKET	R 1501	BEARING HOUSING SHEAR PIN
R 504	FRONT SWING CLUTCH DRIVER	RBR 436	SHIFTER COLLAR (INCLUDES BOLTS)
R 505	FRONT SWING CLUTCH DRIVER KEY	RBR 1770	FRONT DRUM SHAFT (INCLUDES KEYS)
R 507	SWING FRICTION HOUSING	RBR 1771	FRONT HOIST GEAR
R 510	SWING GEAR	RBR 1772	LEFT SIDE FRAME
R 511	SWING GEAR KEY	RBR 1773	LEFT FRAME FOUNDATION BOLTS (SET)
R 512	FRONT CROWD CLUTCH DRIVER	RBR 1776	FRONT FRICTION HOUSING
R 513	FRONT CROWD CLUTCH DRIVER KEY	RBR 1777	INNER FRICTION HOUSING BEARING
R 949	SWING CLUTCH SLIDING SLEEVE	RBR 1778	CROWD SPROCKET (2 HALVES)
R 951	CROWD CLUTCH SLIDING SLEEVE	RBR 1779	CROWD SPROCKET BOLTS
R 954	HOUSING BOLT	RBR 1780	CROWD SPROCKET BOLT
R 955	HOUSING ROD BOLT	RBR 2110	CLUTCH SLIDING SLEEVE INSERT
R 969	RIGHT BEARING HOUSING	RBR 2591	LEATHER OIL SEAL

THIS SHEET RELATES TO SYMBOLS:-  
 L69OR L704R L709R L737R L739R L750R L752R L757R L783R L786R L801R L803R L805R  
 L826R L843R L844R L866R L869R L876R L964R

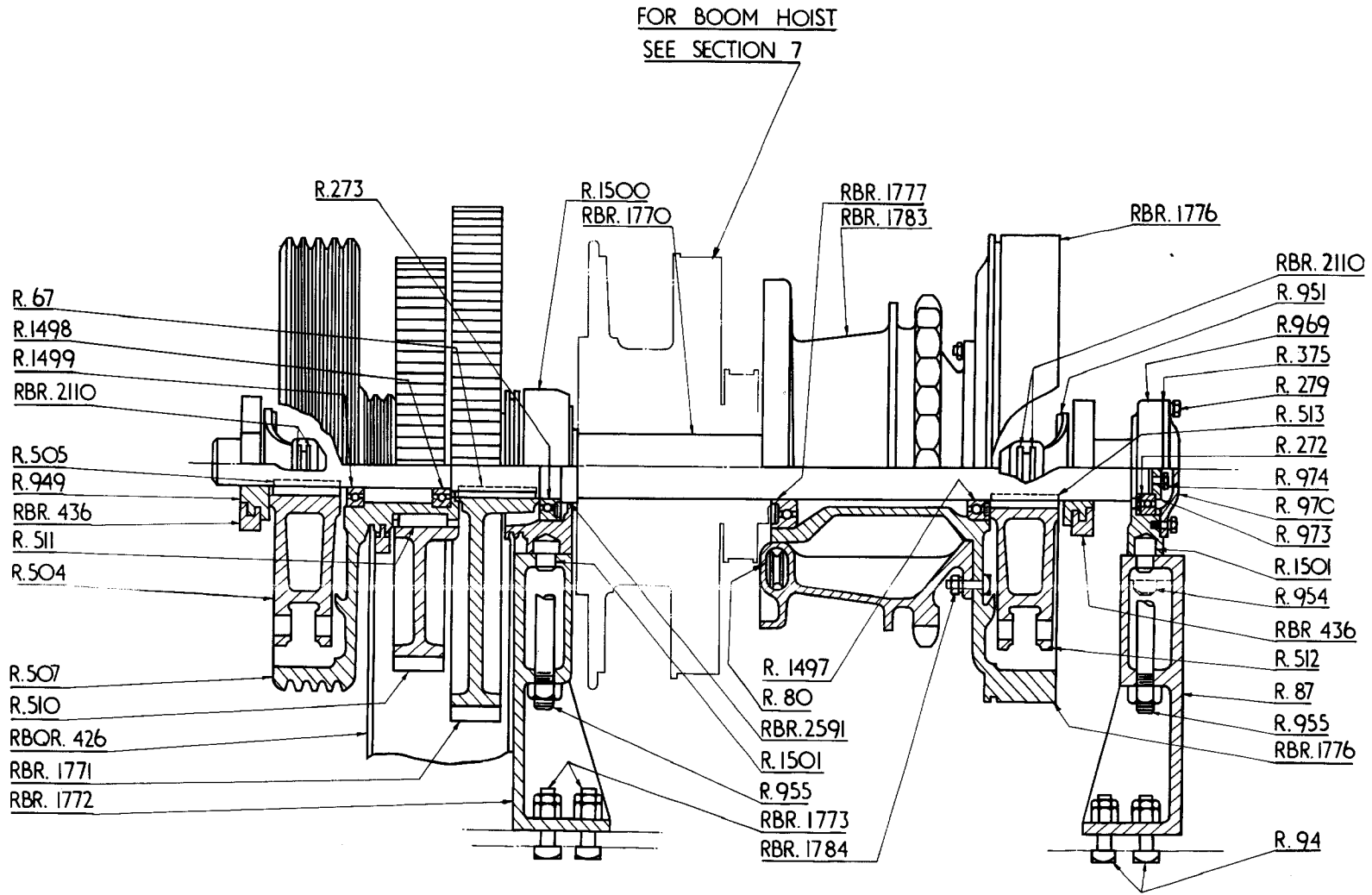


SKIMMER & DRAGSHOVEL - FRONT DRUM SHAFT.

19 & 22-RB.

NUMBER	NAME	NUMBER	NAME
RBQR 426	TRANSMISSION CASE	R 969	RIGHT BEARING HOUSING
R 67	HOIST GEAR KEY	R 970	RIGHT BEARING COVER
R 80	ROPE SOCKET WEDGE	R 973	SHAFT RETAINER
R 87	RIGHT SIDE FRAME	R 974	RETAINER CAPSCREW
R 94	RIGHT FRAME FOUNDATION BOLTS (SET)	R 1497	OUTER FRICTION HOUSING BEARING
R 272	RIGHT BEARING	R 1498	SWING FRICTION HOUSING RIGHT BEARING
R 273	LEFT BEARING	R 1499	SWING FRICTION HOUSING LEFT BEARING
R 279	COVER CAP SCREW	R 1500	LEFT BEARING HOUSING
R 375	COVER GASKET	R 1501	BEARING HOUSING SHEAR PIN
R 504	FRONT SWING CLUTCH DRIVER	RBR 436	SHIFTER COLLAR (INCLUDES BOLTS)
R 505	FRONT SWING CLUTCH DRIVER KEY	RBR 1770	FRONT DRUM SHAFT (INCLUDES KEYS)
R 507	SWING FRICTION HOUSING	RBR 1771	FRONT HOIST GEAR
R 510	SWING GEAR	RBR 1772	LEFT SIDE FRAME
R 511	SWING GEAR KEY	RBR 1773	LEFT FRAME FOUNDATION BOLTS (SET)
R 512	FRONT CROWD CLUTCH DRIVER	RBR 1776	FRONT FRICTION HOUSING
R 513	FRONT CROWD CLUTCH DRIVER KEY	RBR 1777	INNER FRICTION HOUSING BEARING
R 949	SWING CLUTCH SLIDING SLEEVE	RBR 1783	SKIMMER OR DRAGSHOVEL FRONT DRUM
R 951	CROWD CLUTCH SLIDING SLEEVE	RBR 1784	FRONT DRUM BOLTS
R 954	HOUSING BOLT	RBR 2110	CLUTCH SLIDING SLEEVE INSERT
R 955	HOUSING ROD BOLT	RBR 2591	LEATHER OIL SEAL
THIS SHEET RELATES TO SYMBOLS:-	L69OR L705R L709R L737R L739R L750R L752R L757R L786R L801R L803R L805R L826R L843R L844R L866R L869R L876R L964R		





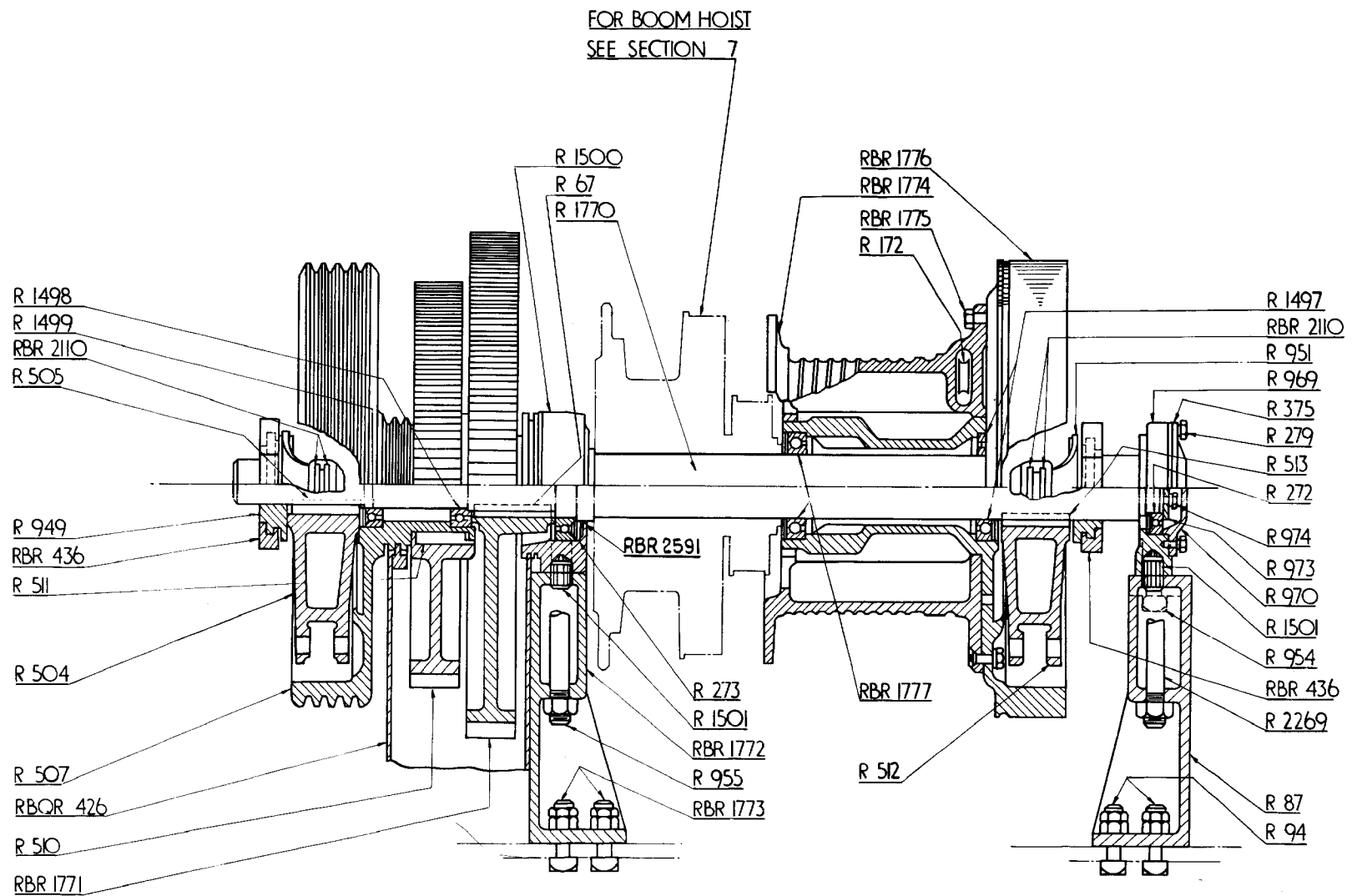
THIS SHEET RELATES TO SYMBOLS:-	L69OR	L70S R	L709 R	L737R	L739R	L750R	L752 R	L757 R	L786 R	L80I R	L803 R	L805 R	L826 R	L843R	L844R	L866 R
	L869R	L876 R	L964 R													

DRAGLINE CLAMSHELL - FRONT DRUM SHAFT.

19 & 22-RB.

NUMBER	NAME	NUMBER	NAME																										
RBQR 426	TRANSMISSION CASE	R 969	RIGHT BEARING HOUSING																										
R 67	HOIST GEAR KEY	R 970	RIGHT BEARING COVER																										
R 87	RIGHT SIDE FRAME	R 973	SHAFT RETAINER																										
R 94	RIGHT FRAME FOUNDATION BOLTS (SET)	R 974	RETAINER CAP SCREW																										
R 172	ROPE ANCHOR WEDGE	R 1497	OUTER FRICTION HOUSING BEARING																										
R 272	RIGHT BEARING	R 1498	SWING FRICTION HOUSING RIGHT BEARING																										
R 273	LEFT BEARING	R 1499	SWING FRICTION HOUSING LEFT BEARING																										
R 279	COVER CAPSCREW	R 1500	LEFT BEARING HOUSING																										
R 375	COVER GASKET	R 1501	BEARING HOUSING SHEAR PIN																										
R 504	FRONT SWING CLUTCH DRIVER	RBR 436	SHIFTER COLLAR (INCLUDES BOLTS)																										
R 505	FRONT SWING CLUTCH DRIVER KEY	RBR 1770	FRONT DRUMSHAFT (INCLUDES KEYS)																										
R 507	SWING FRICTION HOUSING	RBR 1771	FRONT HOIST GEAR																										
R 510	SWING GEAR	RBR 1772	LEFT SIDE FRAME																										
R 511	SWING GEAR KEY	RBR 1773	LEFT FRAME FOUNDATION BOLTS (SET)																										
R 512	FRONT CLUTCH DRIVER	RBR 1774	DRUM LAGGING (2 HALVES)																										
R 513	FRONT CLUTCH DRIVER KEY	RBR 1775	DRUM LAGGING BOLT																										
R 949	SWING CLUTCH SLIDING SLEEVE	RBR 1776	FRONT FRICTION HOUSING																										
R 951	CROWD CLUTCH SLIDING SLEEVE	RBR 1777	INNER FRICTION HOUSING BEARING																										
R 954	HOUSING BOLT	RBR 2110	CLUTCH SLIDING SLEEVE INSERT																										
R 955	HOUSING ROD BOLT	RBR 2591	LEATHER OIL SEAL																										
THIS SHEET RELATES TO SYMBOLS:- <table style="display: inline-table; vertical-align: middle;"> <tr> <td>L69OR</td><td>L695R</td><td>L709R</td><td>L737R</td><td>L739R</td><td>L747R</td><td>L750R</td><td>L752R</td><td>L757R</td><td>L786R</td><td>L799R</td><td>L801R</td><td>L803R</td> </tr> <tr> <td>L805R</td><td>L826R</td><td>L843R</td><td>L844R</td><td>L866R</td><td>L869R</td><td>L876R</td><td>L964R</td><td></td><td></td><td></td><td></td><td></td> </tr> </table>				L69OR	L695R	L709R	L737R	L739R	L747R	L750R	L752R	L757R	L786R	L799R	L801R	L803R	L805R	L826R	L843R	L844R	L866R	L869R	L876R	L964R					
L69OR	L695R	L709R	L737R	L739R	L747R	L750R	L752R	L757R	L786R	L799R	L801R	L803R																	
L805R	L826R	L843R	L844R	L866R	L869R	L876R	L964R																						

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THIS SHEET	L690R	L695R	L709R	L737R	L739R	L747R	L750R	L752R	L757R	L786R	L799R	L801R	L803R	L805R	L826R	L843R
RELATES TO	L844R	L866R	L869R	L876R	L964R											
SYMBOLS:																

CRANE - FRONT DRUM SHAFT

19 & 22-RB

NUMBER	NAME	NUMBER	NAME
RBQR426	Transmission Case	RBR1773	Left Frame Foundation Bolts (Set)
R67	Hoist Gear Key	RBR1776	Front Friction Housing
R87	Right Side Frame	RBR1777	Inner Friction Housing Bearing
R94	Right Frame Foundation Bolts (Set)	RBR2110	Clutch Sliding Sleeve Insert
R172	Rope Anchor Wedge	RBR2335	Drum Lagging (2 Halves)
R272	Right Bearing	RBR2336	Drum Lagging Bolts
R273	Left Bearing	RBR2591	Leather Oil Seal
R279	Cover Capscrew		
R375	Cover Gasket		
R504	Front Swing Clutch Driver		
R505	Front Swing Clutch Driver Key		
R507	Swing Friction Housing		
R510	Swing Gear		
R511	Swing Gear Key		
R512	Front Clutch Driver		
R513	Front Clutch Driver Key		
R949	Swing Clutch Sliding Sleeve		
R951	Crowd Clutch Sliding Sleeve		
R954	Housing Bolt		
R955	Housing Rod Bolt		
R969	Right Bearing Housing		
R970	Right Bearing Cover		
R973	Shaft Retainer		
R974	Retainer Cap Screw		
R1497	Outer Friction Housing Bearing		
R1498	Swing Friction Housing Right Bearing		
R1499	Swing Friction Housing Left Bearing		
R1500	Left Bearing Housing		
R1501	Bearing Housing Shear Pin		
RBR436	Shifter Collar (Includes Bolts)		
RBR1770	Front Drumshaft (Includes Keys)		
RBR1771	Front Hoist Gear		
RBR1772	Left Side Frame		

THIS SHEET RELATES TO SYMBOLS:-

L690R	L695R	L709R	L737R	L739R	L747R	L750R	L752R	L757R	L786R	L799R
L801R	L803R	L805R	L826R	L843R	L844R	L866R	L869R	L876R	L964R	

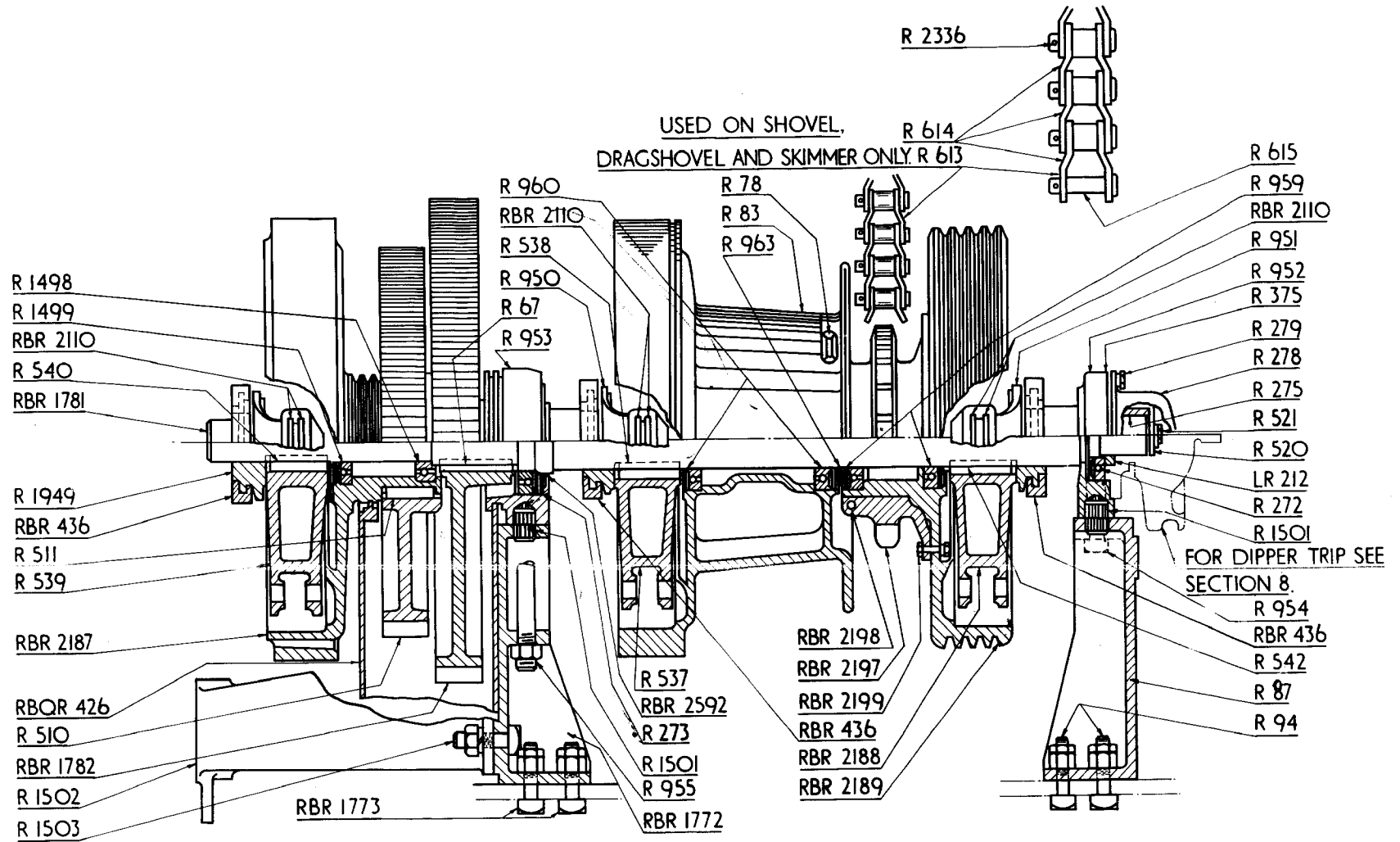


REAR DRUM SHAFT

19/22RB

NUMBER	NAME	NUMBER	NAME
LR212	Friction Clutch Spacer	R955	Housing Rod Bolt
RBQR426	Transmission Case	R959	Crowd Friction Bearing
R67	Hoist Gear Key	R960	Rear Drum Bearing
R78	Rope Anchor Wedge	R963	Bearing Spacer
R83	Rear Drum	R1498	Swing Friction Housing Right Bearing
R87	Right Side Frame	R1499	Swing Friction Housing Left Bearing
R94	Right Frame Foundation Bolts (Set)	R1501	Bearing Housing Shear Pin
R272	Right Bearing	R1502	Transmission Shaft Bracket
R273	Left Bearing	R1503	Bracket Bolts
R275	Right Bearing Retainer) Clamshell and	R2336	Chain Link Pin Lock
R278	Right Bearing Cover ) Dragline only.	RBR436	Shifter Collar (Includes Bolts)
R279	Cover Capscrews	RBR1772	Left Side Frame
R375	Cover Gasket	RBR1773	Left Frame Foundation Bolt (Set)
R510	Swing Gear	RBR1781	Rear Drum Shaft (Includes Keys)
R511	Swing Gear Key	RBR1782	Rear Hoist Gear
R520	Shaft Retainer	RBR2110	Clutch Sliding Sleeve Insert
R521	Retainer Capscrew	RBR2187	Swing Brake Housing
R537	Rear Hoist Clutch Driver	RBR2188	Clutch Driver
R538	Rear Hoist Clutch Driver Key	RBR2189	Friction Housing
R539	Rear Swing Clutch Driver	RBR2197	Crowd Driver Sprocket Assembly (Includes Set of RBR2198)
R540	Rear Swing Clutch Driver Key	RBR2198	Crowd Drive Sprocket Bolts
R541	Rear Crowd Clutch Driver	RBR2199	Crowd Drive Sprocket Bolts
R542	Rear Crowd Clutch Driver Key	RBR2592	Leather Oil Seal
R543	Rear Crowd Clutch Friction Housing		
R613	Crowd Sprocket Chain Complete (Used on Shovel, Dragshovel and Skimmer only)		
R614	Sprocket Chain Link		
R615	Sprocket Chain Link Pin		
R949	Swing Clutch Sliding Sleeve		
R950	Hoist Clutch Sliding Sleeve		
R951	Crowd Clutch Sliding Sleeve		
R952	Right Bearing Housing		
R953	Left Bearing Housing		
R954	Housing Bolt		

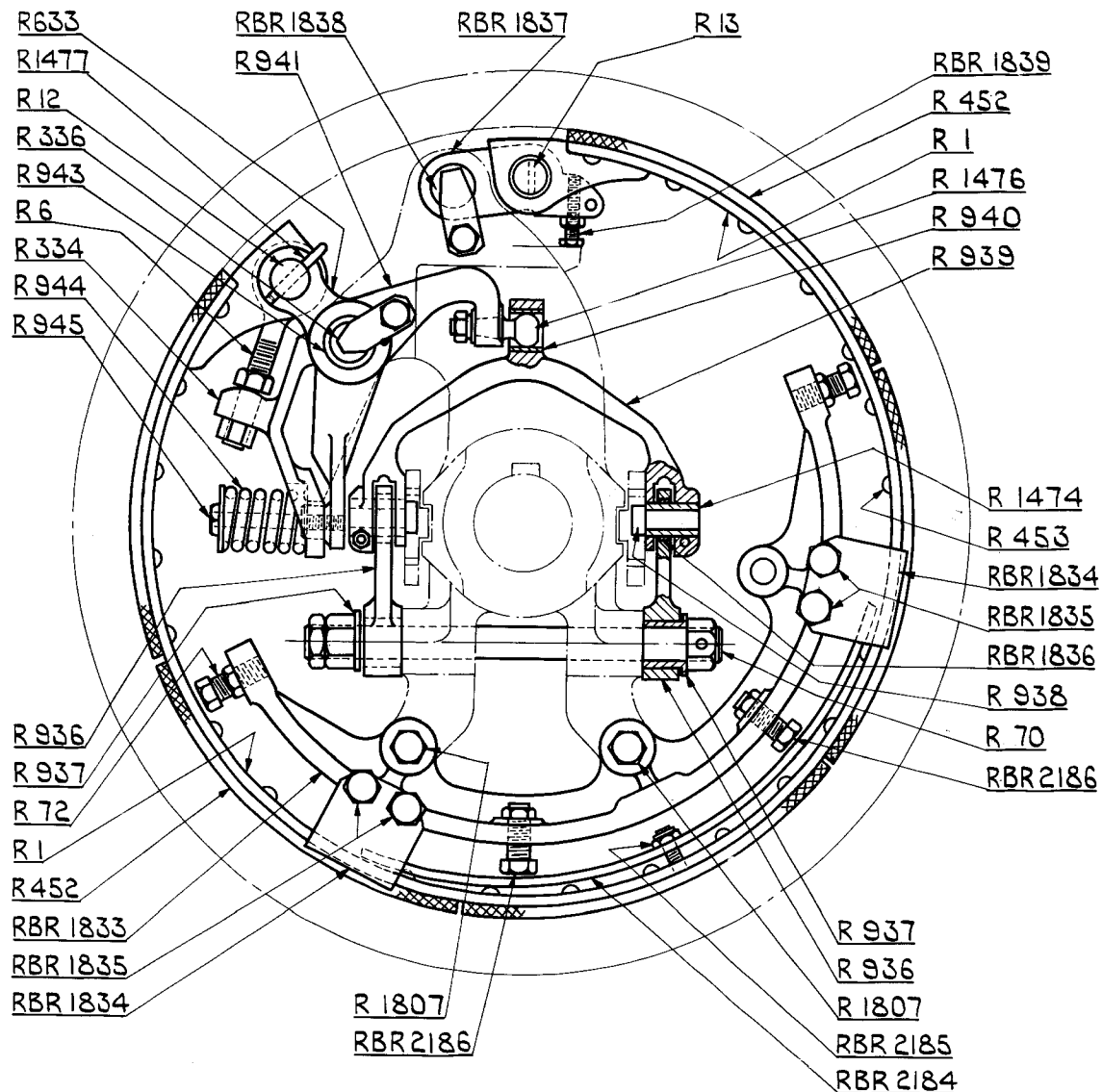
THIS SHEET L882R L931R L964R  
RELATES TO  
SYMBOLS:-



THIS SHEET	L 882 R	L 931 R	L 964 R																	
RELATES TO																				
SYMBOLS:-																				

NUMBER	NAME
R 1	CLUTCH BAND COMPLETE (INCLUDES R452)
R 6	ADJUSTING BOLT (INCLUDES NUTS)
R 12	BAND END PIN
R 13	BAND ANCHOR PIN
R 70	CLUTCH DRIVER BOLT
R 72	CLUTCH BAND GUIDE SCREW
R 334	BELL CRANK
R 336	BELL CRANK FULCRUM PIN
R 452	CLUTCH BAND LINING (INCLUDES R453)
R 453	CLUTCH BAND LINING RIVETS
R 633	LIVE END LINK
R 936	TOGGLE LINK (INCLUDES R937 & RBR 1836)
R 937	TOGGLE LINK BUSHING
R 938	TOGGLE LINK PIN
R 939	TOGGLE YOKE (INCLUDES R940)
R 940	TOGGLE YOKE BUSHING
R 941	TOGGLE LEVER (INCLUDES R943)
R 943	TOGGLE LEVER BUSHING
R 944	TOGGLE LEVER SPRING
R 945	SPRING BOLT
R 1474	TOGGLE LINK PIN BUSHING
R 1476	TOGGLE LEVER BALL STUD
R 1477	PIN RETAINER
R 1807	BAND GUIDE CAPSCREW
RBR1833	CLUTCH BAND GUIDE
RBR1834	BAND GUIDE PLATE
RBR1835	BAND GUIDE PLATE CAPSCREWS
RBR1836	TOGGLE LINK BUSHING
RBR1837	DEAD END LINK
RBR1838	DEAD END LINK PIN
RBR1839	DEAD END LINK STOP
RBR2184	DAMPER SPRING
RBR2185	SPRING RETAINING NUT
RBR2186	GUIDE SCREW

NOTE :- FOR MACHINES PREVIOUS TO N°16774 THE THICKNESS OF THE CLUTCH BAND WAS  $\frac{1}{2}$ . FOR MACHINE N° 16774 & FUTURE THE THICKNESS OF BAND IS  $\frac{3}{8}$ . THESE DIMENSIONS ARE GIVEN FOR IDENTIFICATION PURPOSES ONLY AS THE TWO BANDS ARE NOT INTERCHANGEABLE.

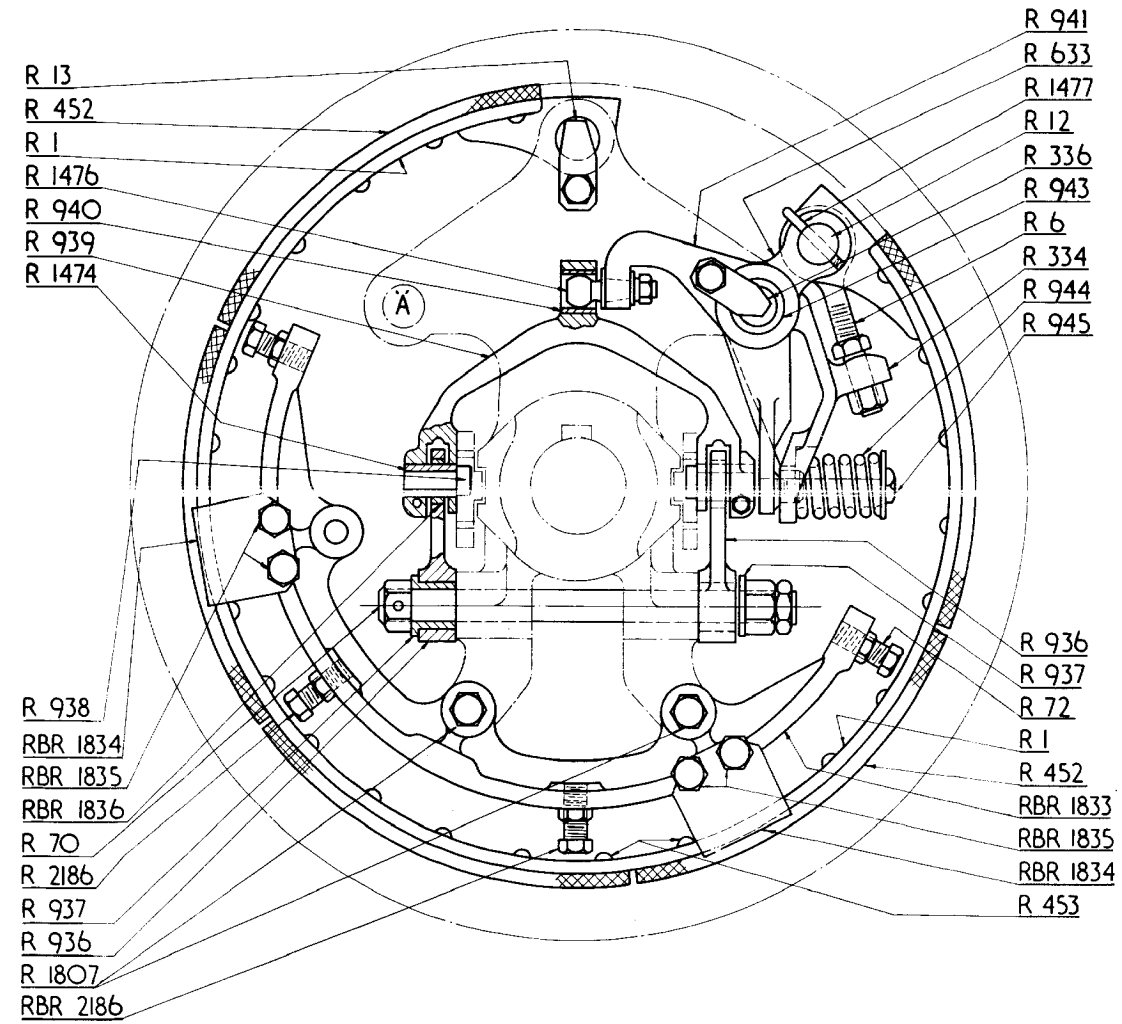


THIS SHEET RELATES TO SYMBOLS :-	L826R	L843R	L844R	L854R	L866R	L869R	L876R	L880R	L882R	L931R	L964R						
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NUMBER	NAME
R 1	CLUTCH BAND COMPLETE (INCLUDES R 452)
R 6	ADJUSTING BOLT (INCLUDES NUTS)
R 12	BAND END PIN
R 13	BAND ANCHOR PIN
R 70	CLUTCH DRIVER BOLT
R 72	CLUTCH BAND GUIDE SCREW
R 334	BELL CRANK
R 336	BELL CRANK FULCRUM PIN
R 452	CLUTCH BAND LINING (INCLUDES R 453)
R 453	CLUTCH BAND LINING RIVETS
R 633	LIVE END LINK
R 936	TOGGLE LINK (INCLUDES R 937 & RBR 1836)
R 937	TOGGLE LINK BUSHING
R 938	TOGGLE LINK PIN
R 939	TOGGLE YOKE (INCLUDES R 940)
R 940	TOGGLE YOKE BUSHING
R 941	TOGGLE LEVER (INCLUDES R 943)
R 943	TOGGLE LEVER BUSHING
R 944	TOGGLE LEVER SPRING
R 945	SPRING BOLT
R 1474	TOGGLE LINK PIN BUSHING
R 1476	TOGGLE LEVER BALL STUD
R 1477	PIN RETAINER
R 1807	BAND GUIDE CAPSCREW
RBR 1833	CLUTCH BAND GUIDE
RBR 1834	BAND GUIDE PLATE
RBR 1835	BAND GUIDE PLATE CAPSCREWS
RBR 1836	TOGGLE LINK BUSHING
RBR 2186	GUIDE SCREW

FOR CRANES FITTED WITH CONTROLLED LOAD LOWERING  
 THE CROWD CLUTCH BECOMES LOAD CONTROL CLUTCH.  
 THE CLUTCH BAND IS REVERSED AND THE LIVE END LINK  
 IS THEN ANCHORED AT POINT A.

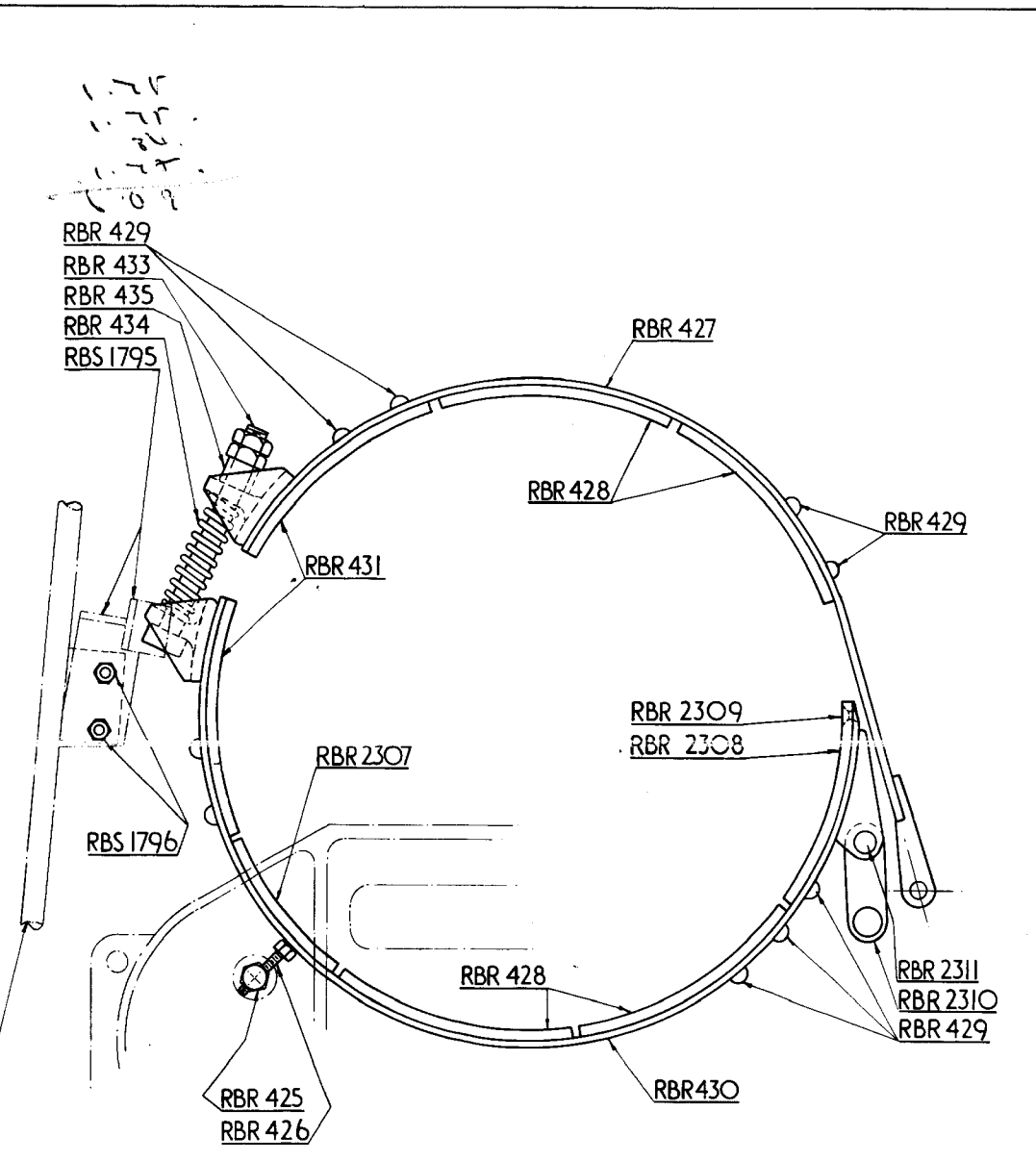


NOTE:- FOR MACHINES PREVIOUS TO NO 16774 THE  
 THICKNESS OF THE CLUTCH BAND WAS 1/2"  
 FOR MACHINE NO 16774 & FUTURE THE  
 THICKNESS OF BAND IS 3/8."  
 THESE DIMENSIONS ARE GIVEN FOR  
 IDENTIFICATION PURPOSES ONLY AS THE  
 TWO BANDS ARE NOT INTERCHANGEABLE.

THIS SHEET	L 882 R	L931 R	L964 L																	
RELATES TO																				
SYMBOLS:-																				



NUMBER	NAME	QUAN. PER M/C
RBR 423	BRAKE BAND COMPLETE (INCLUDES RBR 427, RBR 430, RBR 433, RBR 434, AND RBR 435)	2
RBR 425	BRAKE BAND GUIDE POST	2
RBR 426	BRAKE BAND GUIDE SCREW	2
RBR 427	LIVE HALF OF BRAKE BAND (INCLUDES 2 OF RBR 428 AND 1 OF RBR 431)	2
RBR 428	LINING BLOCK (INCLUDES SET OF RBR 429)	8
RBR 429	RIVETS FOR LINING BLOCKS	140
RBR 430	ANCHOR HALF OF BRAKE BAND (INCLUDES 2 OF RBR 428 AND 1 EACH RBR 431, RBR 2307 AND RBR 2308)	2
RBR 431	LINING BLOCK (INCLUDES SET OF RBR 429)	4
RBR 433	BRAKE BAND ADJUSTING BOLT	2
RBR 434	ADJUSTING BOLT SPRING	2
RBR 435	ADJUSTING BOLT SPACER	2
RBR 2307	LINING BLOCK (INCLUDES SET OF RBR 429)	2
RBR 2308	LINING BLOCK (INCLUDES 8 OF RBR 429 AND 2 OF RBR 2309)	2
RBR 2309	RIVETS FOR LINING BLOCK	2
RBR 2310	BRAKE BAND ANCHOR LINK	2
RBR 2311	BRAKE BAND LUG LINK PIN	2
RBS 1795	BRAKE BAND GUIDE	1
RBS 1796	BRAKE BAND GUIDE BOLTS	2



'A' FRAME LEFT  
HAND REAR LEG.

BRAKE BAND COMPLETE - RBR 423

THIS SHEET RELATES TO SYMBOLS:-	L844R	L854R	L866R	L869R	L876R	L880R	L882R	L931R	L964R										
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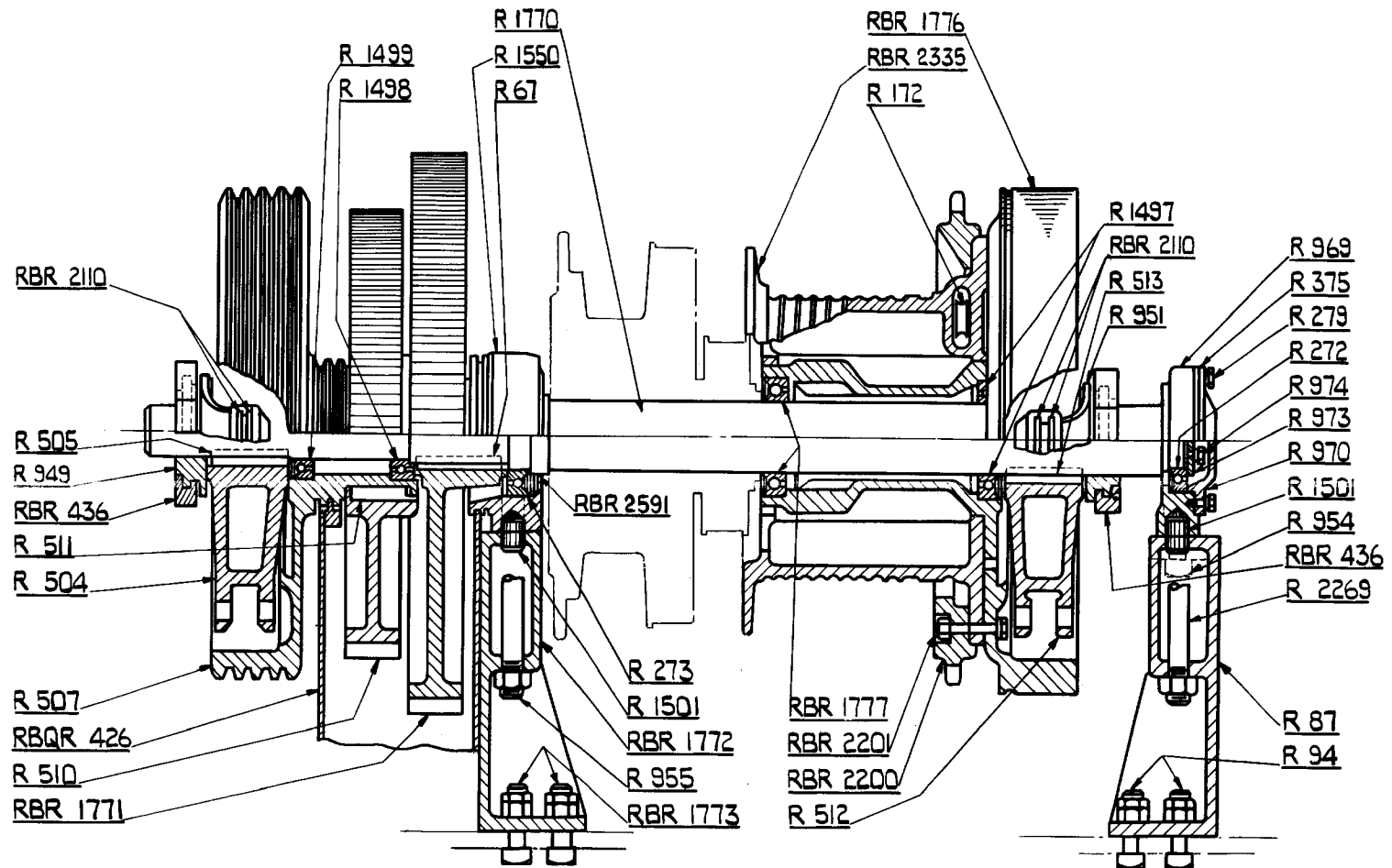
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NUMBER	NAME	NUMBER	NAME
RBQR 426	TRANSMISSION CASE	R 970	RIGHT BEARING COVER
R 67	HOIST GEAR KEY	R 973	SHAFT RETAINER
R 87	RIGHT SIDE FRAME	R 974	RETAINER CAP SCREW
R 94	RIGHT FRAME FOUNDATION BOLTS (SET)	R 1497	OUTER FRICTION HOUSING BEARING
R 172	ROPE ANCHOR WEDGE	R 1498	SWING FRICTION HOUSING RIGHT BEARING
R 272	RIGHT BEARING	R 1499	SWING FRICTION HOUSING LEFT BEARING
R 273	LEFT BEARING	R 1500	LEFT BEARING HOUSING
R 279	COVER CAPSCREW	R 1501	BEARING HOUSING SHEAR PIN
R 375	COVER GASKET	RBR 436	SHIFTER COLLAR (INCLUDES BOLTS)
R 504	FRONT SWING CLUTCH DRIVER	RBR 1770	FRONT DRUMSHAFT (INCLUDES KEYS)
R 505	FRONT SWING CLUTCH DRIVER KEY	RBR 1771	FRONT HOIST GEAR
R 507	SWING FRICTION HOUSING	RBR 1772	LEFT SIDE FRAME
R 510	SWING GEAR	RBR 1773	LEFT FRAME FOUNDATION BOLTS (SET)
R 511	SWING GEAR KEY	RBR 2335	DRUM LAGGING (2 HALVES)
R 512	FRONT CLUTCH DRIVER	RBR 1776	FRONT FRICTION HOUSING
R 513	FRONT CLUTCH DRIVER KEY	RBR 1777	INNER FRICTION HOUSING BEARING
R 949	SWING CLUTCH SLIDING SLEEVE	RBR 2110	CLUTCH SLIDING SLEEVE INSERT
R 951	CROWD CLUTCH SLIDING SLEEVE	RBR 2200	CONTROLLED LOWERING SPROCKET (2 HALVES)
R 954	HOUSING BOLT	RBR 2201	CONTROLLED LOWERING SPROCKET BOLTS
R 955	HOUSING ROD BOLT	RBR 2591	LEATHER OIL SEAL
R 969	RIGHT BEARING HOUSING		

THIS SHEET RELATES TO SYMBOLS:- L690R L695R L709R L737R L739R L747R L750R L752R L757R L786R L791R L793R L799R L801R L803R L805R L826R L843R L844R L866R L869R L876R L964R



THIS SHEET RELATES TO SYMBOLS	L690R	L695 R	L709 R	L737 R	L739 R	L747R	L750 R	L752 R	L757 R	L786R	L791R	L793 R	L799 R	L801 R
	L803 R	L805 R	L826 R	L843R	L844R	L866R	L869R	L876R	L964R					

REAR DRUM SHAFT - CRANE WITH HOIST CONTROLLED LOWERING

19 & 22-RB

NUMBER	NAME	NUMBER	NAME
LR 212	FRICITION CLUTCH SPACER	R 1499	SWING FRICTION HOUSING LEFT BEARING
RBQR426	TRANSMISSION CASE	R 1501	BEARING HOUSING SHEAR PIN
R 67	HOIST GEAR KEY	R 1502	TRANSMISSION SHAFT BRACKET
R 78	ROPE ANCHOR WEDGE	R 1503	BRACKET BOLTS
R 83	REAR DRUM	RBR436	SHIFTER COLLAR (INCLUDES BOLTS)
R 87	RIGHT SIDE FRAME	RBRI772	LEFT SIDE FRAME
R 94	RIGHT FRAME FOUNDATION BOLTS (SET)	RBRI773	LEFT FRAME FOUNDATION BOLT (SET)
R 272	RIGHT BEARING	RBRI781	REAR DRUM SHAFT (INCLUDES KEYS)
R 273	LEFT BEARING	RBRI782	REAR HOIST GEAR
R 275	RIGHT BEARING RETAINER ) CLAMSHELL &	RBR2110	CLUTCH SLIDING SLEEVE INSERT
R 278	RIGHT BEARING COVER ) DRAGLINE ONLY.	RBR2187	SWING FRICTION HOUSING
R 279	COVER CAPSCREW	RBR2188	CRANE LOWERING CONTROL CLUTCH DRIVER
R 375	COVER GASKET	RBR2189	LOWERING CONTROL CLUTCH FRICTION HOUSING
R 510	SWING GEAR	RBR2190	LOWERING CONTROL SPROCKET ASSEMBLY (INCLUDES KEYS & SET OF RBR2191)
R 511	SWING GEAR KEY	RBR2191	LOWERING CONTROL SPROCKET BOLTS
R 520	SHAFT RETAINER	RBR2192	LOWERING CONTROL CHAIN COMPLETE
R 521	RETAINER CAPSCREW	RBR2193	CHAIN INNER LINK
R 537	REAR HOIST CLUTCH DRIVER	RBR2194	CHAIN OUTER LINK
R 538	REAR HOIST CLUTCH DRIVER KEY	RBR2195	CONNECTING LINK WITH PIN
R 539	REAR SWING CLUTCH DRIVER	RBR2592	LEATHER OIL SEAL
R 540	REAR SWING CLUTCH DRIVER KEY		
R 542	SPROCKET CLUTCH DRIVER KEY		
R 949	SWING CLUTCH SLIDING SLEEVE		
R 950	HOIST CLUTCH SLIDING SLEEVE		
R 951	SPROCKET CLUTCH SLIDING SLEEVE		
R 952	RIGHT BEARING HOUSING		
R 953	LEFT BEARING HOUSING		
R 954	HOUSING BOLT		
R 955	HOUSING ROD BOLT		
R 959	CROWD FRICTION BEARING		
R 960	REAR DRUM BEARING		
R 963	BEARING SPACER		
R 1498	SWING FRICTION HOUSING RIGHT BEARING		

THIS SHEET L793R L882R L931R  
RELATES TO  
SYMBOLS:

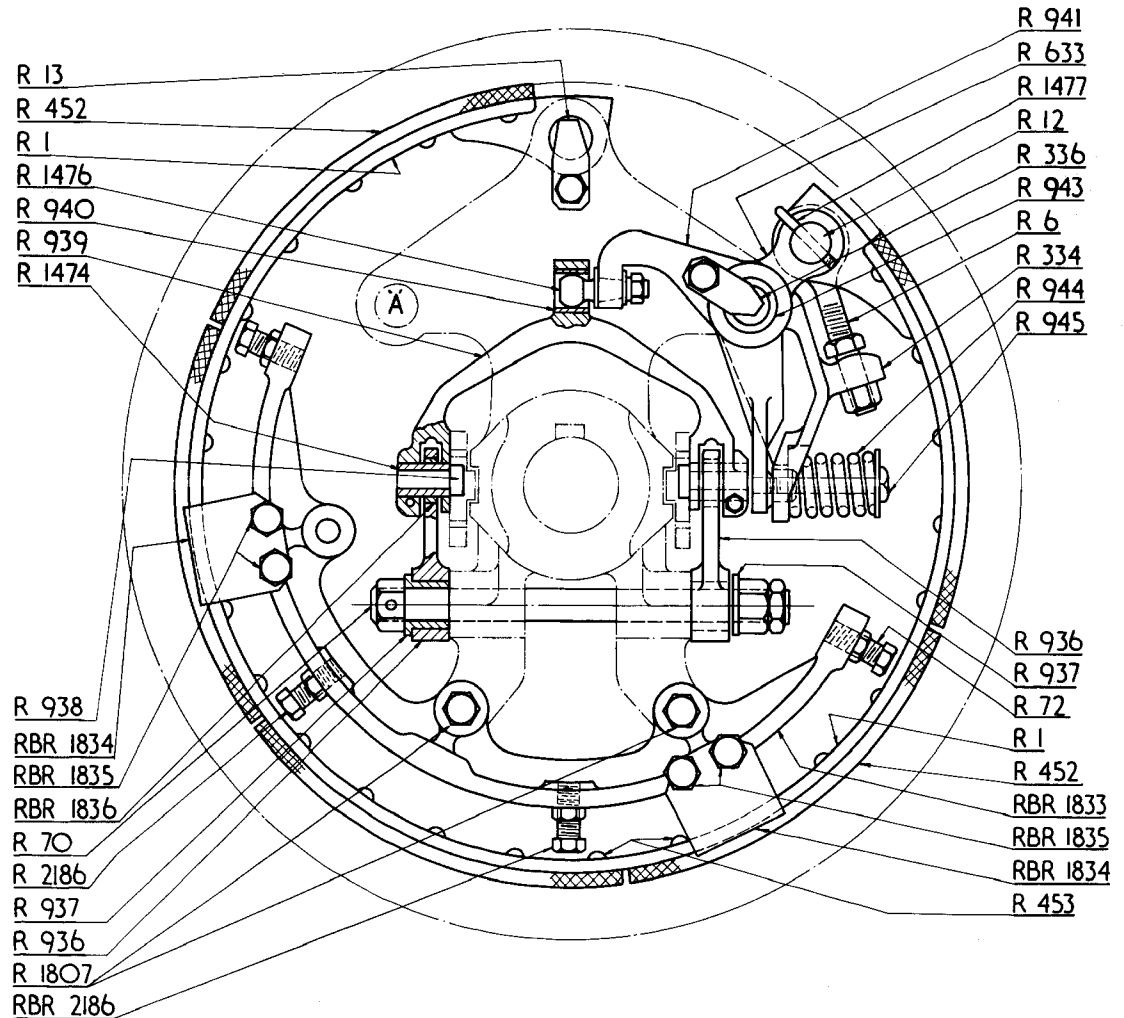






NUMBER	NAME
R 1	CLUTCH BAND COMPLETE (INCLUDES R 452)
R 6	ADJUSTING BOLT (INCLUDES NUTS)
R 12	BAND END PIN
R 13	BAND ANCHOR PIN
R 70	CLUTCH DRIVER BOLT
R 72	CLUTCH BAND GUIDE SCREW
R 334	BELL CRANK
R 336	BELL CRANK FULCRUM PIN
R 452	CLUTCH BAND LINING (INCLUDES R 453)
R 453	CLUTCH BAND LINING RIVETS
R 633	LIVE END LINK
R 936	TOGGLE LINK (INCLUDES R 937 & RBR 1836)
R 937	TOGGLE LINK BUSHING
R 938	TOGGLE LINK PIN
R 939	TOGGLE YOKE (INCLUDES R 940)
R 940	TOGGLE YOKE BUSHING
R 941	TOGGLE LEVER (INCLUDES R 943)
R 943	TOGGLE LEVER BUSHING
R 944	TOGGLE LEVER SPRING
R 945	SPRING BOLT
R 1474	TOGGLE LINK PIN BUSHING
R 1476	TOGGLE LEVER BALL STUD
R 1477	PIN RETAINER
R 1807	BAND GUIDE CAPSCREW
RBR 1833	CLUTCH BAND GUIDE
RBR 1834	BAND GUIDE PLATE
RBR 1835	BAND GUIDE PLATE CAPSCREWS
RBR 1836	TOGGLE LINK BUSHING
RBR 2186	GUIDE SCREW

FOR CRANES FITTED WITH CONTROLLED LOAD LOWERING  
 THE CROWD CLUTCH BECOMES LOAD CONTROL CLUTCH.  
 THE CLUTCH BAND IS REVERSED AND THE LIVE END LINK  
 IS THEN ANCHORED AT POINT A.



NOTE:- FOR MACHINES PREVIOUS TO NO 16774 THE  
 THICKNESS OF THE CLUTCH BAND WAS 1/2"  
 FOR MACHINE NO 16774 & FUTURE THE  
 THICKNESS OF BAND IS 3/8."  
 THESE DIMENSIONS ARE GIVEN FOR  
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 TWO BANDS ARE NOT INTERCHANGEABLE.

THIS SHEET	L 882 R	L931R	L964L																
RELATES TO																			
SYMBOLS:-																			



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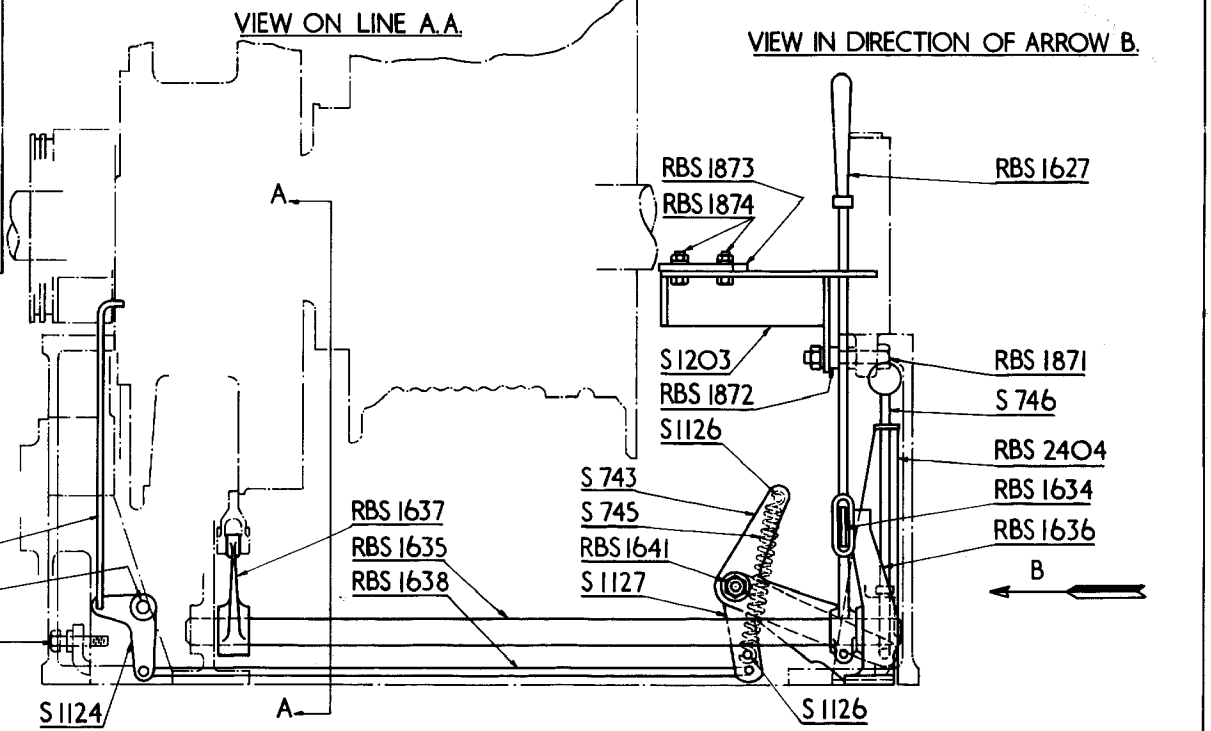
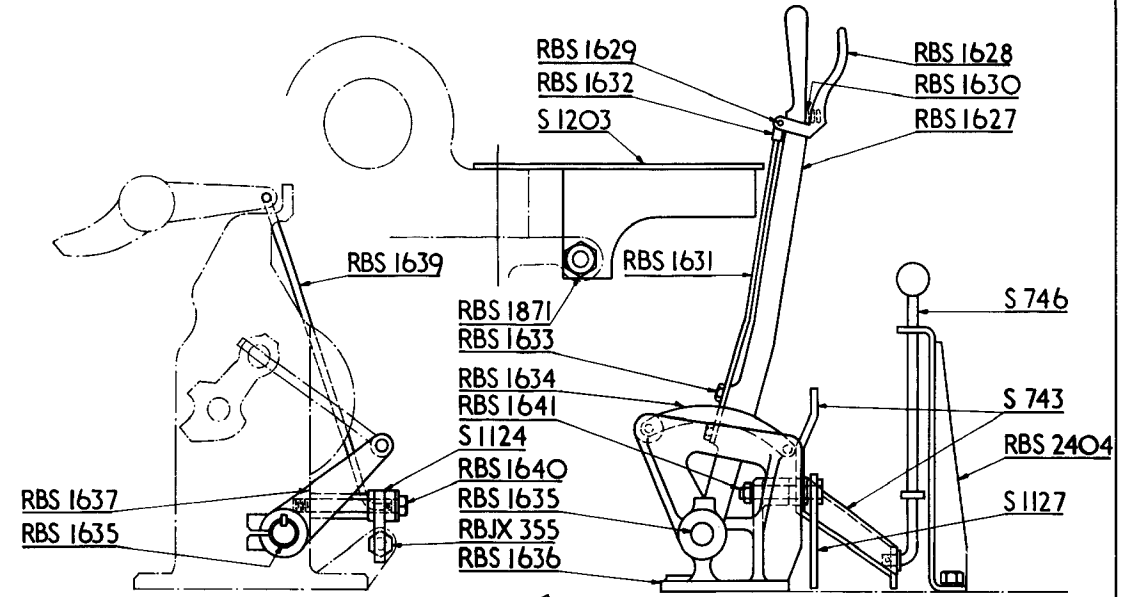
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NUMBER	NAME	QUAN.
RBJX 355	LEVER STOP SCREW	1
S 743	BELL CRANK	1
S 745	SPRING	1
S 746	RATCHET HAND LEVER	1
S 1124	BELL CRANK	1
S 1126	SPRING PIN	2
S 1127	SPRING LEVER	1
S 1203	MAIN BRAKE BAND GUIDE BRACKET	1
RBS 1627	BOOM HOIST CLUTCH HAND LEVER	1
RBS 1628	HAND LEVER LATCH HANDLE	1
RBS 1629	LATCH HANDLE BOLT	1
RBS 1630	LATCH SPRING	1
RBS 1631	PAWL ROD	1
RBS 1632	PAWL ROD END PIECE	1
RBS 1633	PAWL ROD SCREW	2
RBS 1634	HAND LEVER QUADRANT	1
RBS 1635	LEVER SHAFT (INCLUDES KEYS)	1
RBS 1636	LEVER SHAFT RIGHT BEARING	1
RBS 1637	LEVER	1
RBS 1638	REACH ROD	1
RBS 1639	REACH ROD	1
RBS 1640	BELL CRANK FULCRUM PIN	1
RBS 1641	BELL CRANK FULCRUM PIN	1
RBS 1871	BRAKE BAND GUIDE BRACKET BOLT	1
RBS 1872	GUIDE BRACKET BOLT SPACER	1
RBS 1873	BRAKE BAND GUIDE PLATE	1
RBS 1874	BRAKE BAND GUIDE PLATE BOLT	2
RBS 2404	RATCHET HAND LEVER SUPPORT	1

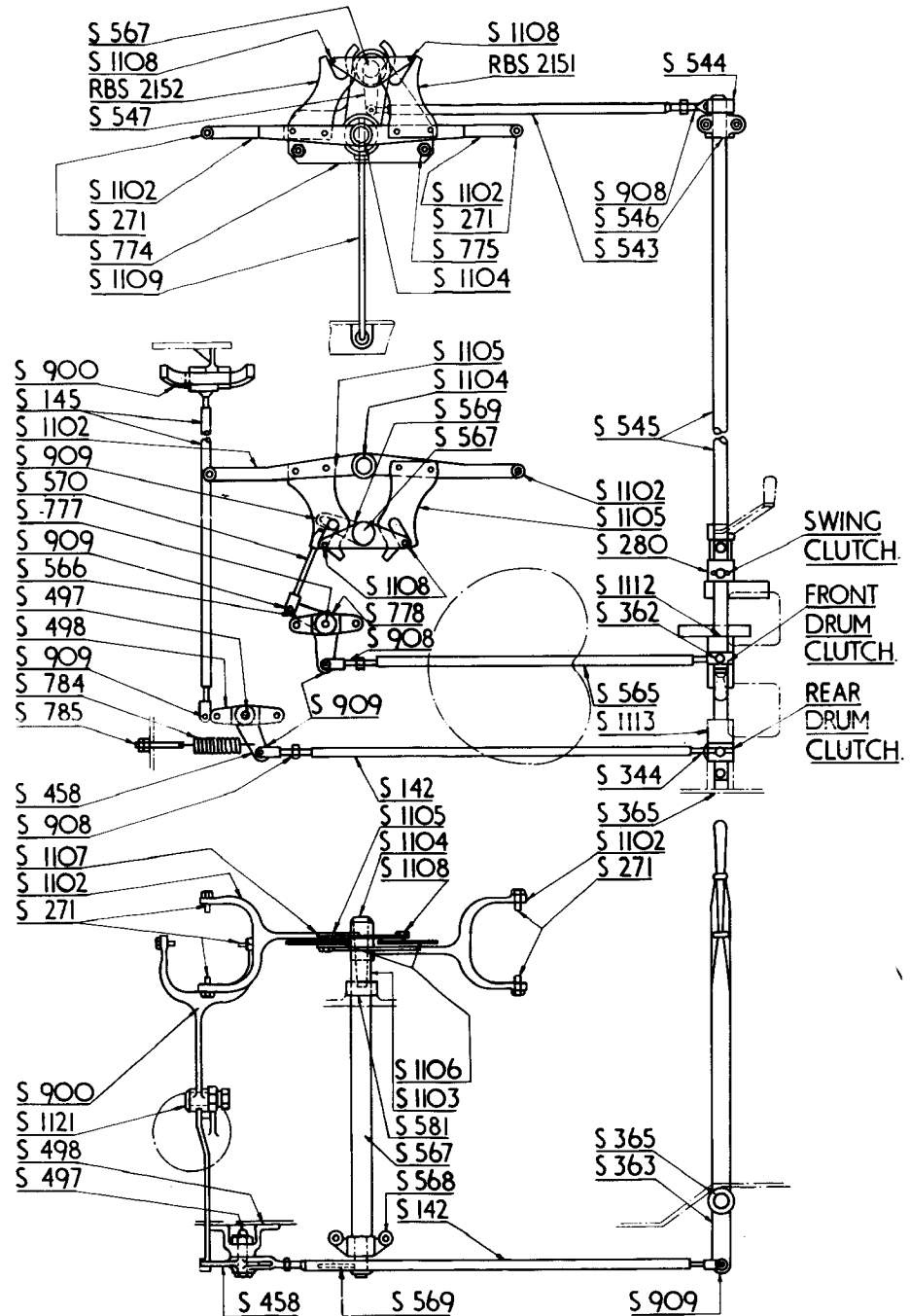


THIS SHEET	L1201 S	L1204 S																	
RELATES TO																			
SYMBOLS:-																			



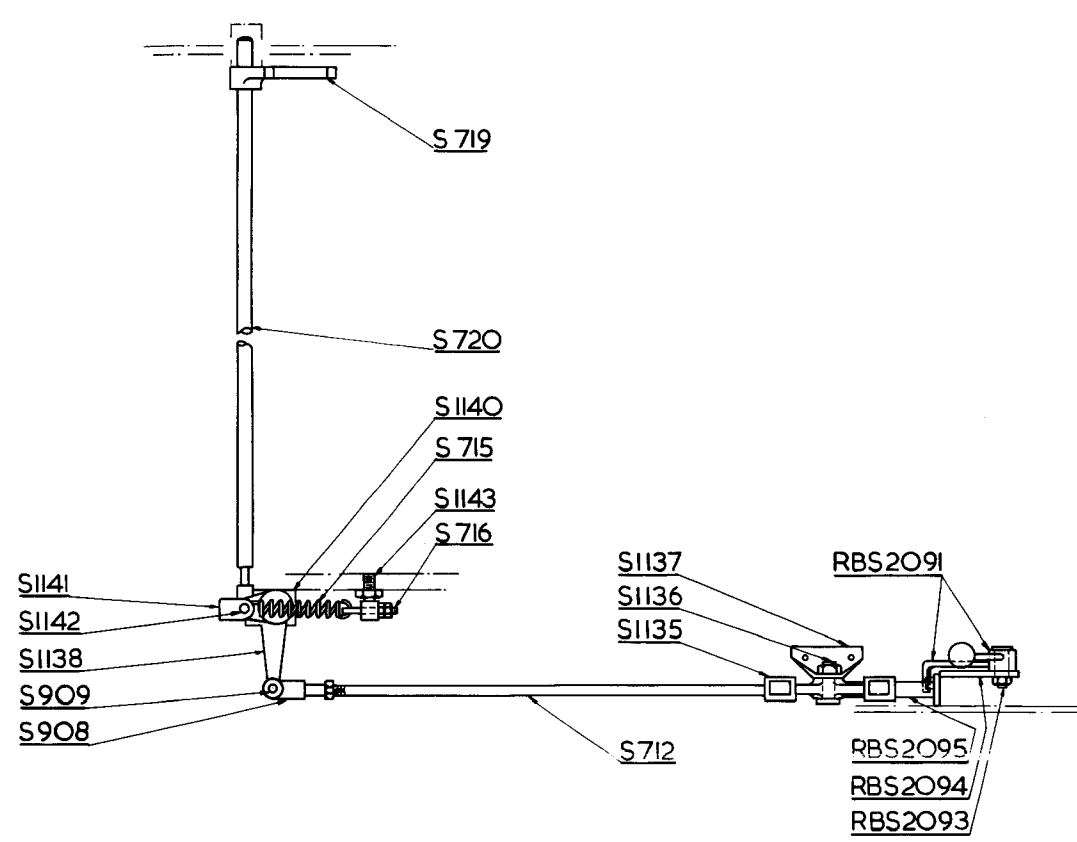


NUMBER	NAME
S 142	REACH ROD
S 145	REACH ROD
S 271	SHIFTER SCREW
S 280	SWING CLUTCH HAND LEVER
S 344	CLUTCH HAND LEVER
S 362	CLUTCH HAND LEVER
S 363	HAND LEVER COUPLING BAR (INCLUDES CAP SCREWS)
S 365	HAND LEVER SHAFT (INCLUDES KEYS)
S 458	BELL CRANK
S 497	BELL CRANK FULCRUM PIN
S 498	BRACKET
S 543	REACH ROD
S 544	LEVER
S 545	HAND LEVER SHAFT (INCLUDES KEYS)
S 546	BEARING
S 547	LEVER
S 565	REACH ROD
S 566	BELL CRANK
S 567	CONTROL SHAFT (INCLUDES KEYS)
S 568	BEARING
S 569	LEVER
S 570	REACH ROD
S 581	SHAFT COLLAR
S 774	SWING CONTROL BRACKET
S 775	BRACKET BOLTS (SET)
S 777	BELL CRANK FULCRUM PIN
S 778	BRACKET
S 784	SPRING (CLAMSHELL ONLY)
S 785	SPRING ADJUSTING BOLT (CLAMSHELL ONLY)
S 900	CLUTCH SHIFTER YOKE
S 908	REACH ROD END (I ONLY - INCLUDES S 909)
S 909	ROD END PIN (I ONLY)
S 1102	CLUTCH SHIFTER YOKE
S 1103	PIVOT PIN
S 1104	SHIFTER YOKE PIN
S 1105	CAM
S 1106	CAM ROLLER
S 1107	ROLLER WASHER
S 1108	ROLLER PIN
S 1109	BRACKET BRACE ROD
S 1112	LEVER (CLAMSHELL ONLY)
S 1113	LEVER (CLAMSHELL ONLY)
S 1121	SHIFTER YOKE FULCRUM PIN
RBS 2151	SWING CLUTCH CAM. (FRONT)
RBS 2152	SWING CLUTCH CAM. (REAR)

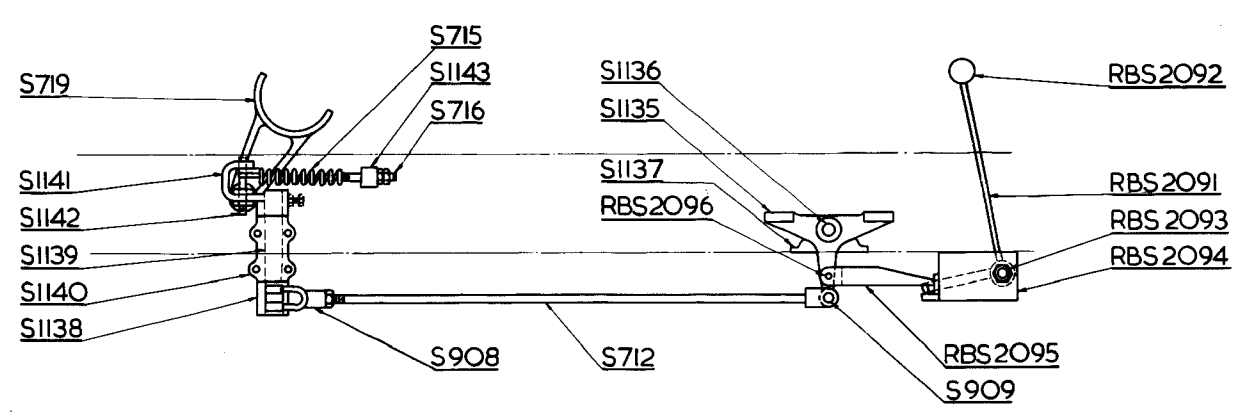


THIS SHEET	L 959 S	L 978 S	L 1058 S	L 1111 S	L 1112 S	L 1160 S	L 1204 S	L 1210 S	L 1245 S								
RELATES TO																	
SYMBOLS :-																	





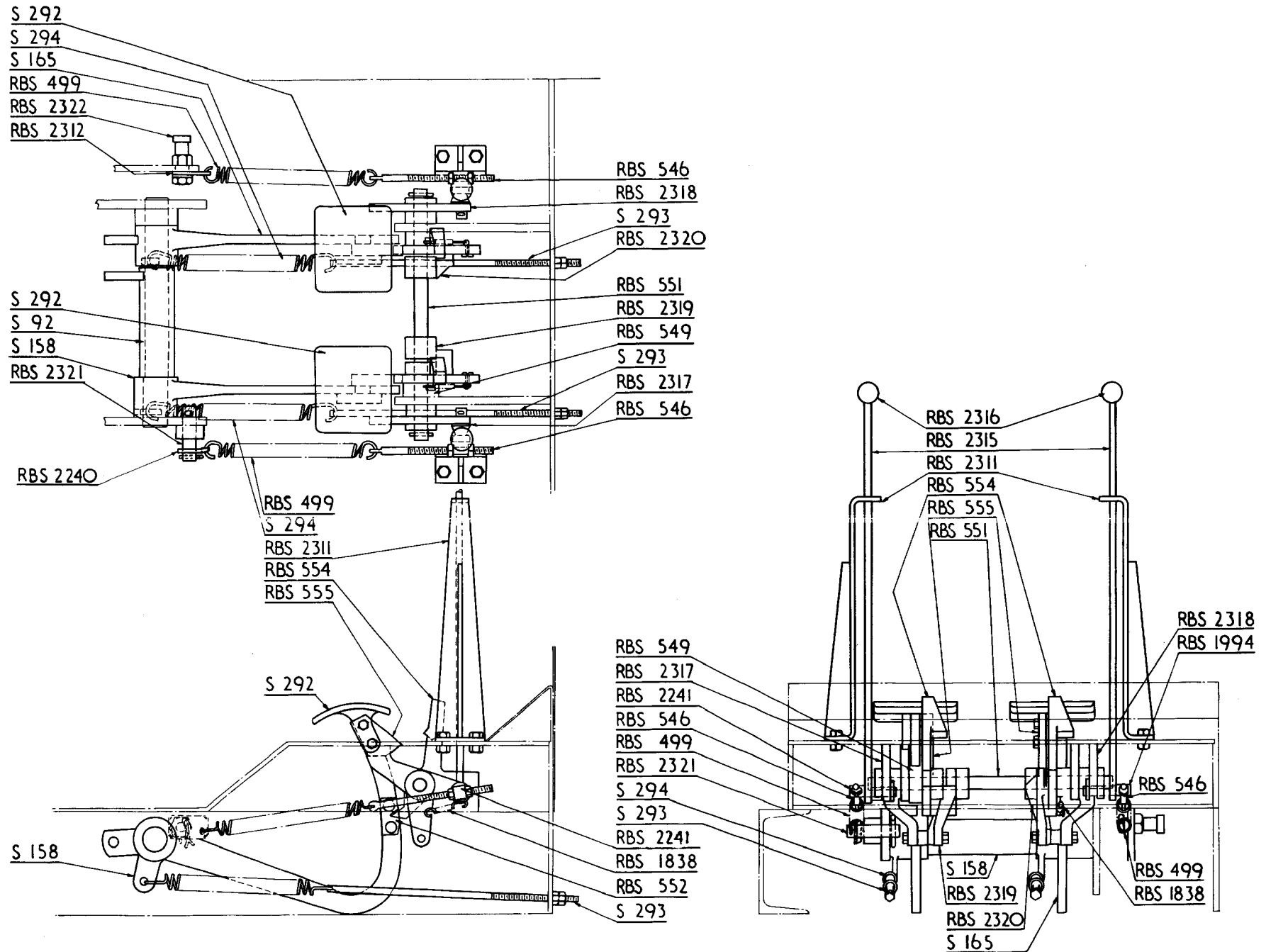
NUMBER	NAME	QUAN. PER M/C.
S712	REACH ROD	1
S715	SPRING	1
S716	SPRING ADJUSTING BOLT	1
S719	CLUTCH SHIFTER	1
S720	CLUTCH SHIFTER ROD	1
S908	REACH ROD END	1
S909	REACH ROD END PIN	2
S1135	FOOT PEDAL	1
S1136	PEDAL FULCRUM PIN	1
S1137	BEARING	1
S1138	LEVER	1
S1139	LEVER SHAFT (INCLUDES KEYS)	1
S1140	LEVER SHAFT BEARING	1
S1141	LEVER	1
S1142	LEVER PIN	1
S1143	ADJUSTING BOLT ANCHOR	1
RBS2091	SAFETY STOP HAND LEVER	1
RBS2092	HAND LEVER KNOB	1
RBS2093	HAND LEVER FULCRUM PIN	1
RBS2094	HAND LEVER BRACKET (WELDED TO DECK PLATE)	1
RBS2095	LOCKING BAR	1
RBS2096	LOCKING BAR PIN	1



57T3499

THIS SHEET RELATES TO SYMBOLS:-	L959S	L1034S	L1058S	L1111S	L1112S	L1160S	L1161S										
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NUMBER	NAME	QUAN. PER M/C.	NUMBER	NAME	QUAN. PER M/C.
S92	Foot Lever Shaft	1			
S158	Right Foot Lever	1			
S165	Left Foot Lever	1			
S292	Foot Lever Pad	2			
S293	Adjusting Bolt	2			
S294	Spring	2			
RBS499	Spring	2			
RBS546	Adjusting Bolt	2			
RBS549	Spacer	1			
RBS551	Trip Shaft	1			
RBS552	Ratchet Plate	2			
RBS554	Combined Pawl and Stop	2			
RBS555	Foot Lever Stop	2			
RBS1838	Stop Release Spring	2			
RBS1994	L.H. Adjusting Bolt Anchor	1			
RBS2240	Anchor Link	1			
RBS2241	R.H. Adjusting Bolt Anchor	1			
RBS2311	Support Bracket	2			
RBS2312	Anchor Plate	1			
RBS2315	Hand Lever	2			
RBS2316	Hand Lever Knob	2			
RBS2317	Right Tumbler	1			
RBS2318	Left Tumbler	1			
RBS2319	Right Trip	1			
RBS2320	Left Trip	1			
RBS2321	Right Spring Anchor	1			
RBS2322	Left Spring Anchor	1			



THIS SHEET	L 1112 S	L 1204 S	L 1210 S	L 1245 S															
RELATES TO																			
SYMBOLS :																			

**OPERATOR'S SEAT**

NUMBER	NAME	QUAN.	NUMBER	NAME	QUAN.
RBS1875	Operator's Seat Complete (Inc. RBS1878 to RBS1883 and RBS2410 to RBS2416)				
RBS1876	Height Adjusting Bracket (Inc. RBS2100)				
RBS1877	Base Assembly				
RBS1878	Seat Assembly (Inc. RBS2410)				
RBS1881	Frame Assembly				
RBS1883	Backrest Assembly				
RBS2099	Height Locking Collar (Inc. RBS2100)				
RBS2100	Lever Bolt Assembly				
RBS2410	Seat Buffer				
RBS2411	Tilt Unit				
RBS2412	Tilt Unit Bolts				
RBS2414	Spacer Tube				
RBS2415	Spacer Tube Locating Pins				
RBS2416	Inner Pillar				

THIS SHEET RELATES TO SYMBOLS:-

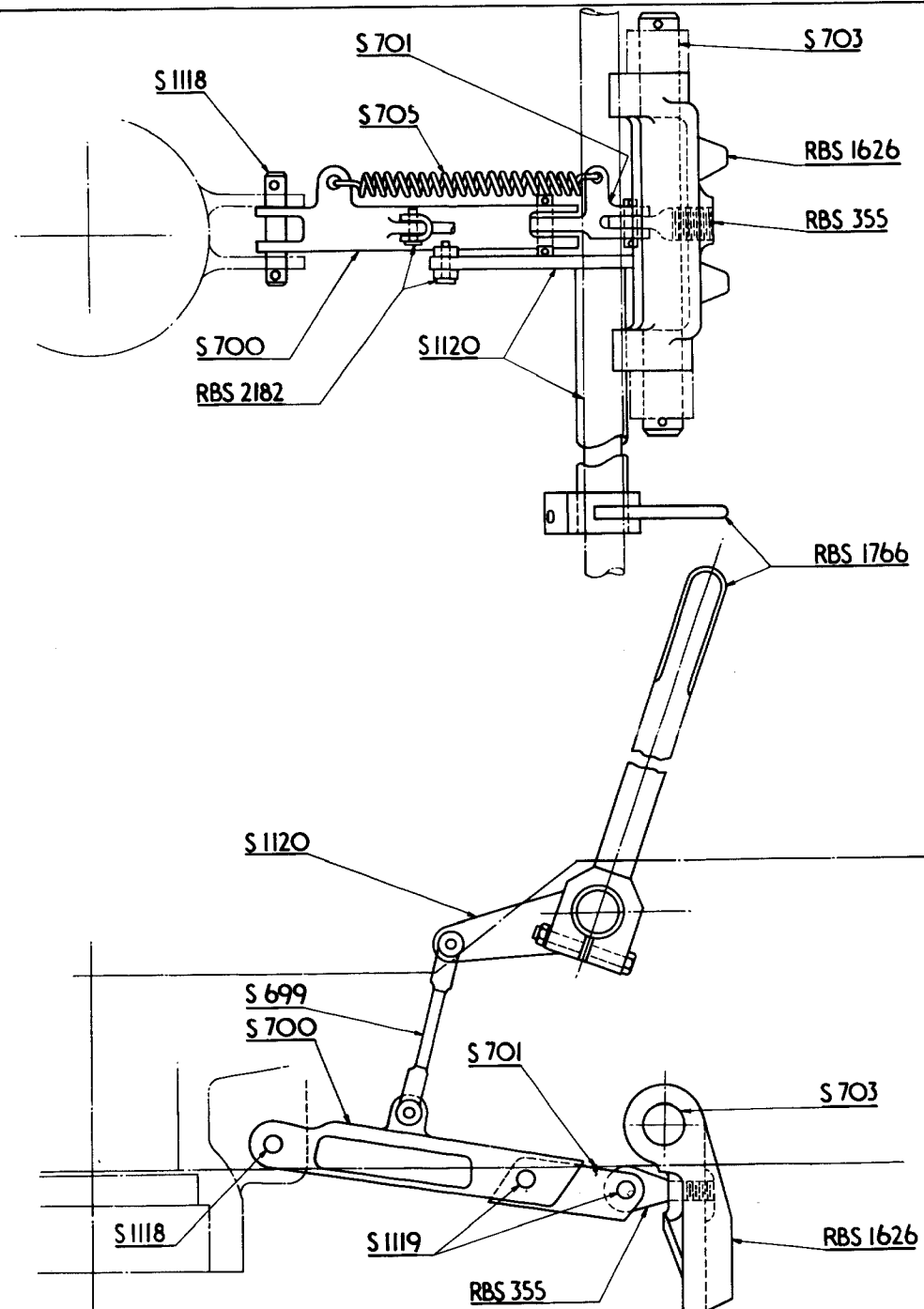
10RB	11RB	19&22RB	30RB	38RB	71RB	AND FUTURE
L1211S	L1198S	L1210S	L1170S	L1208S	L1209S	





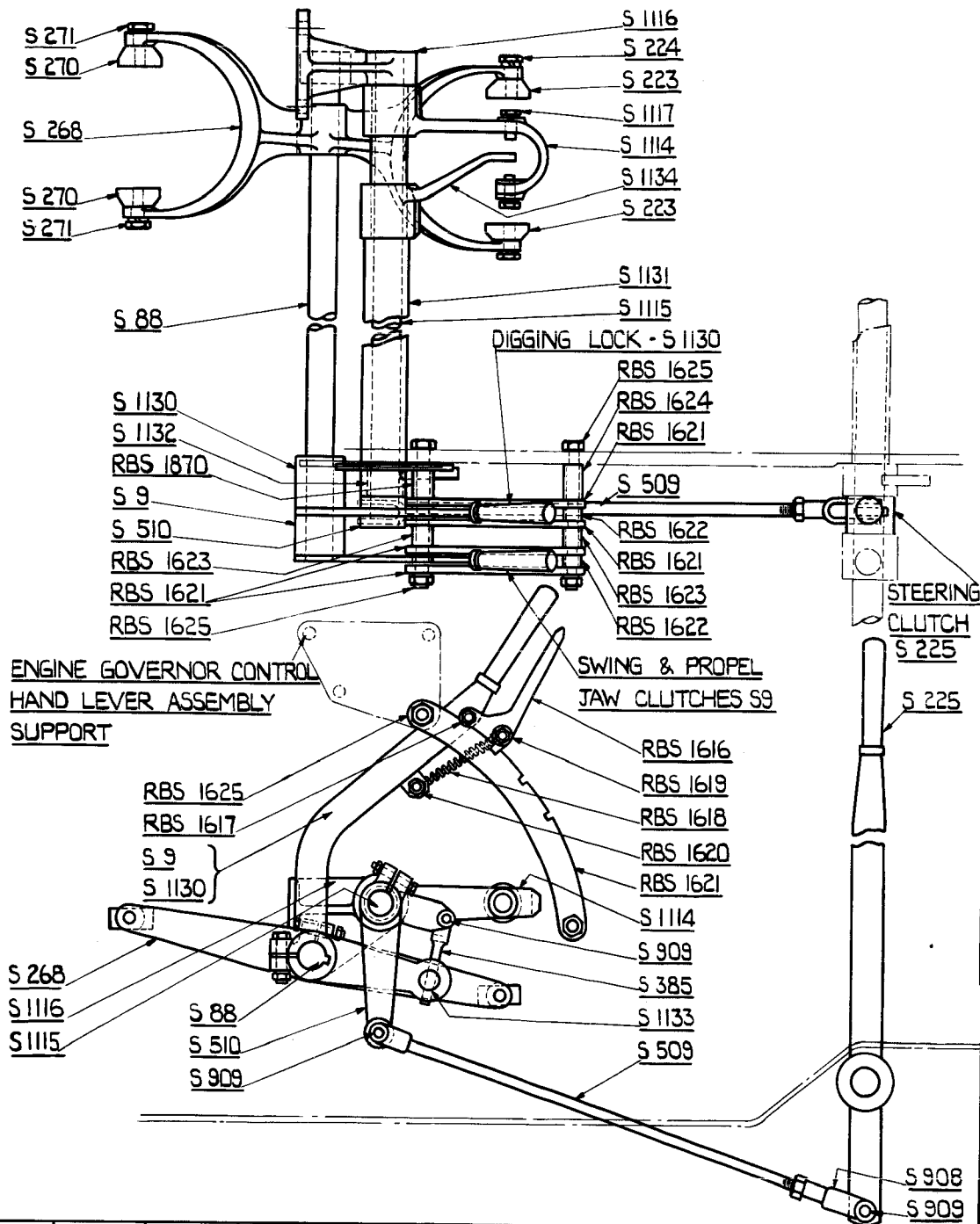


NUMBER	NAME
S 699	REACH ROD
S 700	LONG TOGGLE LINK
S 701	SHORT TOGGLE LINK
S 703	LOCKING SHAFT
S 705	TOGGLE SPRING
S 1118	TOGGLE LINK FULCRUM PIN
S 1119	TOGGLE LINK PIN
S 1120	LEVER SLEEVE
RBS 355	EYEBOLT
RBS 1626	LOCKING DOG
RBS 1766	SWING LOCK HAND LEVER
RBS 2182	REACH ROD END PIN



THIS SHEET	L1111 S	L1112 S	L1113 S	L1204 S	L1210 S	L1245 S											
RELATES TO																	
SYMBOLS:-																	

NUMBER	NAME
S 9	SWING & PROPEL HAND LEVER
S 88	HAND LEVER SHAFT (INCLUDES KEYS)
S 223	PROPELLING CLUTCH SHOE
S 224	PROPELLING CLUTCH SHOE PIN
S 225	STEERING CLUTCH HAND LEVER
S 268	SWING JAW CLUTCH SHIFTER
S 270	SWING JAW CLUTCH SHIFTER SHOE
S 271	SWING JAW CLUTCH SHIFTER SHOE PIN
S 385	REACH ROD
S 509	REACH ROD LEVER
S 510	LEVER
S 908	REACH ROD END
S 909	ROD END PIN
S 1114	STEERING CLUTCH LEVER
S 1115	LEVER SHAFT (INCLUDES KEYS)
S 1116	LEVER SHAFT BRACKET
S 1117	LEVER PIN
S 1130	DIGGING LOCK HAND LEVER
S 1131	HAND LEVER SLEEVE (INCLUDES S1132)
S 1132	SLEEVE BUSHING
S 1133	HAND LEVER PIN
S 1134	DIGGING LOCK LEVER
RBS 1616	HAND LEVER LATCH HANDLE
RBS 1617	LATCH HANDLE BOLT
RBS 1618	LATCH SPRING
RBS 1619	SPRING ANCHOR BOLT
RBS 1620	SPRING ANCHOR BOLT
RBS 1621	HAND LEVER QUADRANT
RBS 1622	QUADRANT SPACER
RBS 1623	QUADRANT SPACER
RBS 1624	QUADRANT SPACER
RBS 1625	QUADRANT BOLT
RBS 1870	QUADRANT SPACER



FOR STEERING MACHINERY &  
DIGGING LOCK SEE SECTION 4

THIS SHEET RELATES TO SYMBOLS	L913S	L920S	L943S	L959S	L1034S	L1058S	L1111S	L1112S	L1160S	L1204S	L1210S	L1245S						
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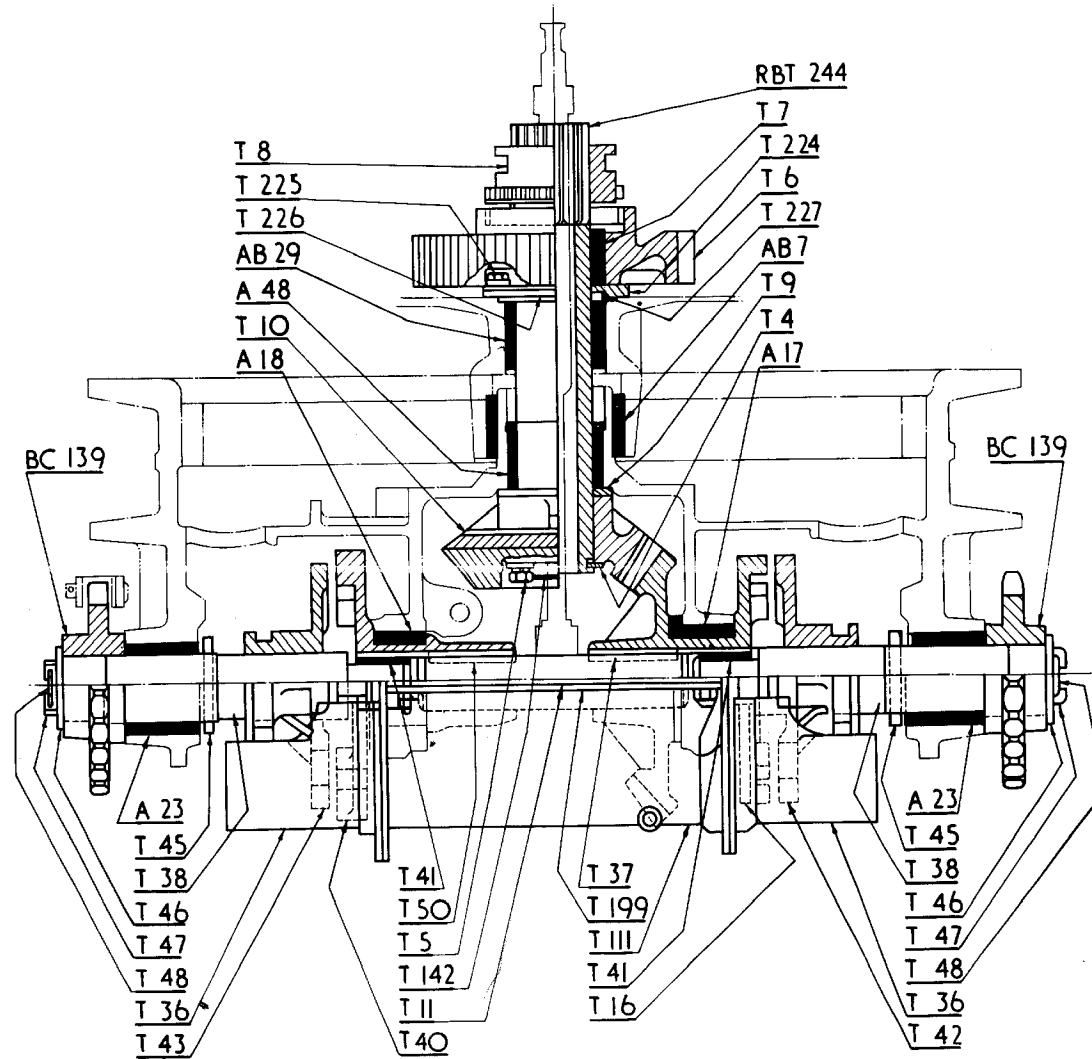
PROPELLING MACHINERY.22-RB.

NUMBER	NAME	NUMBER	NAME
A 17	LOWER SHAFT RIGHT BUSHING (2 HALVES)	T 38	CLUTCH SHAFT
A 18	LOWER SHAFT LEFT BUSHING (2 HALVES)	T 40	DRIVING CLUTCH (INCLUDES T 41)
A 23	CLUTCH SHAFT BUSHING (1 ONLY)	T 41	CLUTCH BUSHING (1 ONLY)
A 48	VERTICAL SHAFT LOWER BUSHING	T 42	RIGHT SLIDING CLUTCH
AB 7	CENTRE BUSHING	T 43	LEFT SLIDING CLUTCH
AB 29	VERTICAL SHAFT UPPER BUSHING	T 45	CLUTCH SHAFT LOCK
BC 139	DRIVING SPROCKET	T 46	SPROCKET RETAINER
T 4	BEVEL PINION RETAINER (1 ONLY)	T 47	RETAINER CAPSCREW (1 ONLY)
T 5	RETAINER CAPSCREW (1 ONLY)	T 48	RETAINER CAPSCREW LOCK
T 6	VERTICAL SHAFT GEAR (INCLUDES T 7)	T 50	DRIVE CLUTCH KEY
T 7	GEAR BUSHING	T 111	BEVEL GEAR CASE
T 8	VERTICAL SHAFT CLUTCH	T 142	RETAINER CAPSCREW LOCK
T 9	BEVEL PINION WASHER	T 199	GEAR CASE GASKET
T 10	VERTICAL SHAFT BEVEL PINION	T 224	VERTICAL SHAFT OIL SEAL FLANGE
T 11	LOWER PROPELLING SHAFT	T 225	FLANGE CAPSCREW (1 ONLY)
T 16	LOWER SHAFT BEVEL GEAR & CLUTCH (INCLUDES T 41)	T 226	FLANGE GASKET
T 36	CLUTCH GUARD	T 227	VERTICAL SHAFT OIL SEAL RING
T 37	BEVEL GEAR KEY	RBT 244	VERTICAL SHAFT

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THIS SHEET L294T  
RELATES TO  
SYMBOLS:-

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THIS SHEET  
RELATES TO  
SYMBOLS-

L 294T




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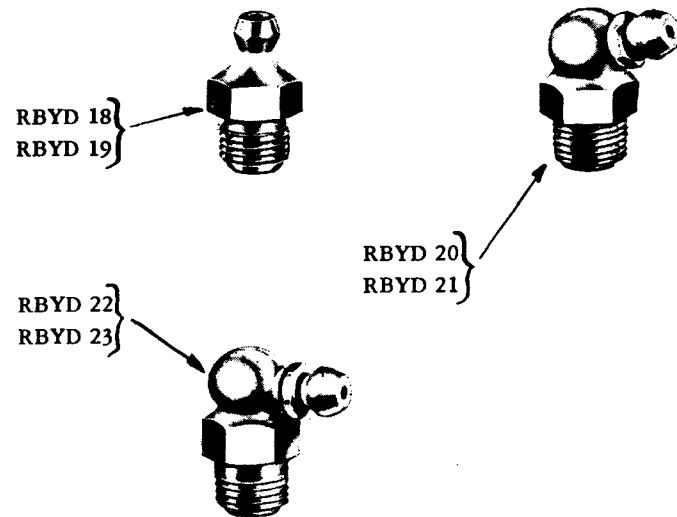
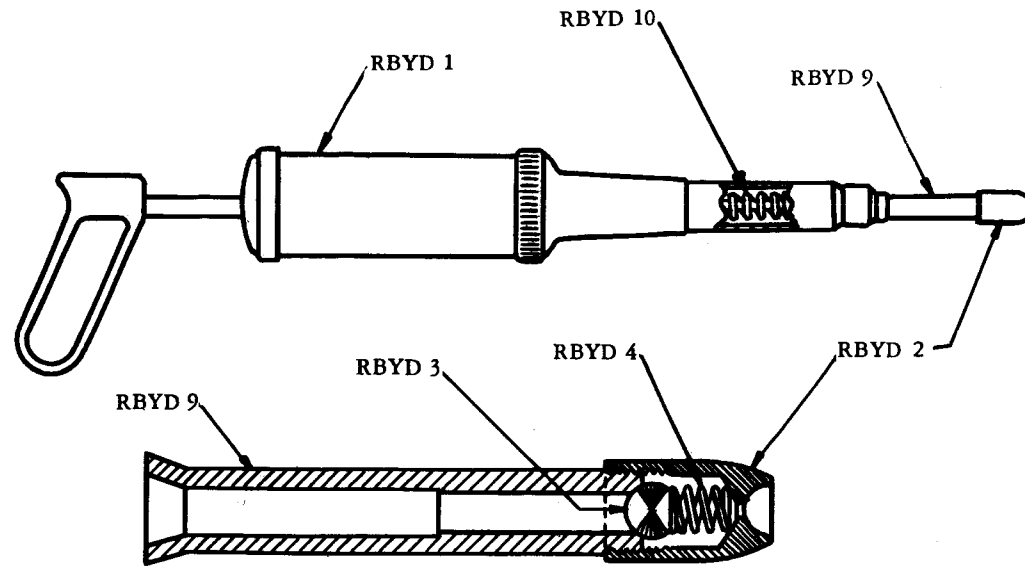
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# LUBRICATION DETAILS



SEE LIST FOR THE CORRECT PART NUMBER FOR  
THE SIZE OF GREASE NIPPLE YOU REQUIRE



## LUBRICATION DETAILS

NUMBER	NAME
RBYD 1	Grease Gun Complete (Includes RBYD 2 & RBYD 9)
RBYD 2	Nozzle (Includes RBYD 3 & RBYD 4 )
RBYD 3	Ball
RBYD 4	Spring
RBYD 9	H.P. Cylinder
RBYD 10	Cylinder Return Spring
RBYD 18	1/8" B.S.P. Tecazerk Straight Grease Nipple NA 5704
RBYD 19	1/4" B.S.P. Tecazerk Straight Grease Nipple NA 5707/1
RBYD 20	1/8" B.S.P. Tecazerk Angular Grease Nipple NA 5799
RBYD 21	1/4" B.S.P. Tecazerk Angular Grease Nipple NA 5805/1
RBYD 22	1/8" B.S.P. Tecazerk Right Angle Grease Nipple NA 5803
RBYD 23	1/4" B.S.P. Tecazerk Right Angle Grease Nipple NA 5813

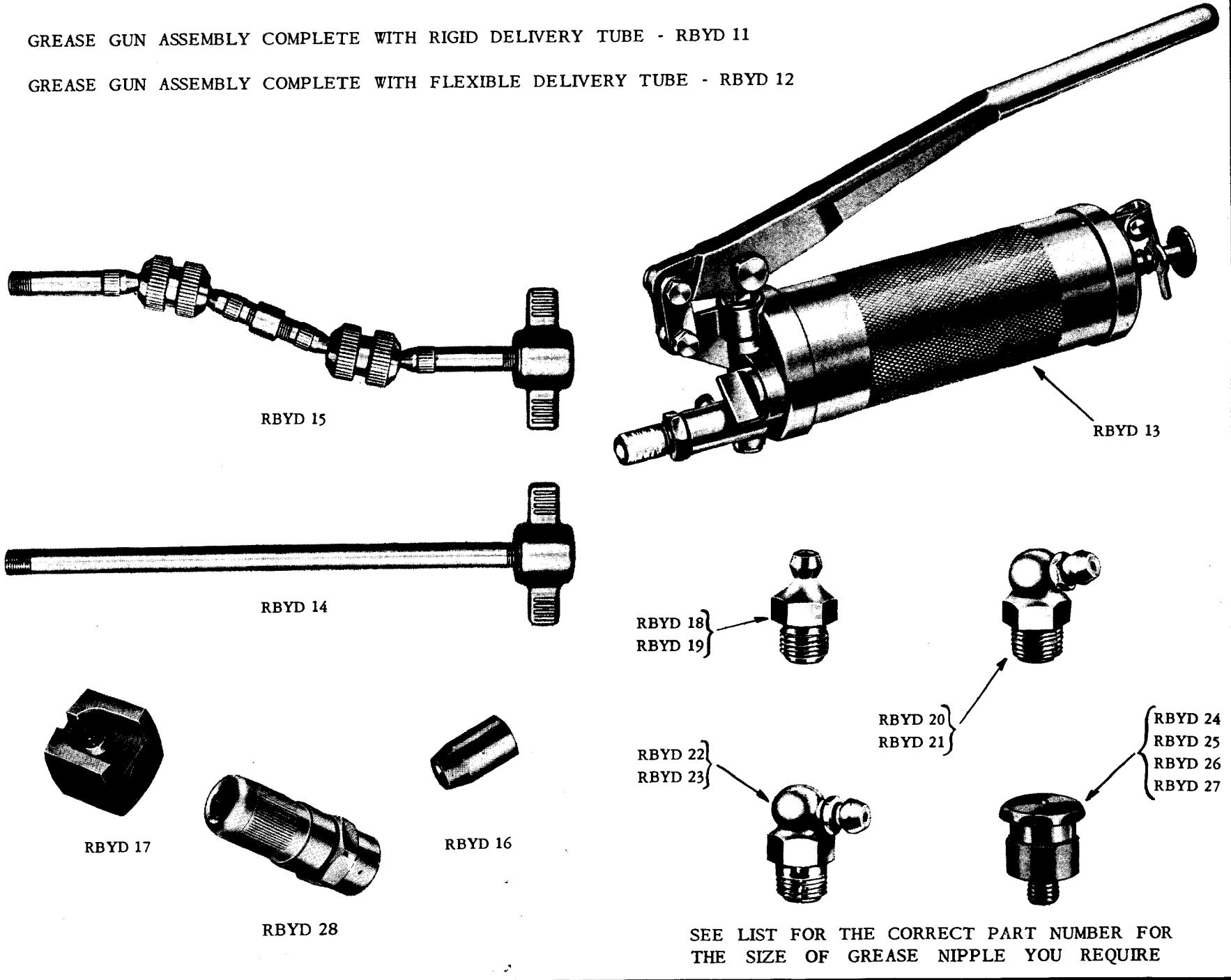
## LUBRICATION DETAILS

NUMBER	NAME
RBVD 11	Grease Gun Assembly with Rigid Delivery Tube (Includes: RBVD 13, RBVD 14 & RBVD 16)
RBVD 12	Grease Gun Assembly with Flexible Delivery Tube (Includes RBVD 13, RBVD 15 & RBVD 17)
RBVD 13	Grease Gun Body
RBVD 14	Rigid Type Delivery Tube HG 4111
RBVD 15	Flexible Type Delivery Tube HD 3812
RBVD 16	Rigid Delivery Tube Connector HF 4014
RBVD 17	Flexible Delivery Tube Connector HF 4016
RBVD 18	1/8" B.S.P. Tecazerk Straight Grease Nipple NA 5704
RBVD 19	1/4" B.S.P. Tecazerk Straight Grease Nipple NA 5707/1
RBVD 20	1/8" B.S.P. Tecazerk Angular Grease Nipple NA 5799
RBVD 21	1/4" B.S.P. Tecazerk Angular Grease Nipple NA 5805/1
RBVD 22	1/8" B.S.P. Tecazerk Right Angle Grease Nipple NA 5803
RBVD 23	1/4" B.S.P. Tecazerk Right Angle Grease Nipple NA 5813
RBVD 24	1/8" B.S.P. Tecazerk Button Head Grease Nipple ND 6172
RBVD 25	1/4" B.S.P. Tecazerk Button Head Grease Nipple ND 6160
RBVD 26	3/8" B.S.P. Tecazerk Button Head Grease Nipple ND 6161
RBVD 27	1/2" B.S.P. Tecazerk Button Head Grease Nipple ND 6162
RBVD 28	Delivery Tube Connector HF 4012

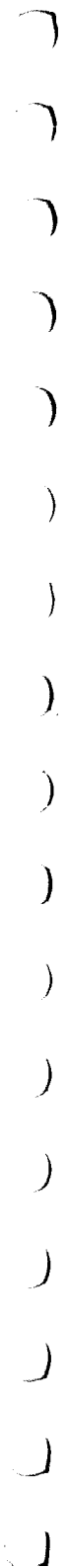
# LUBRICATION DETAILS

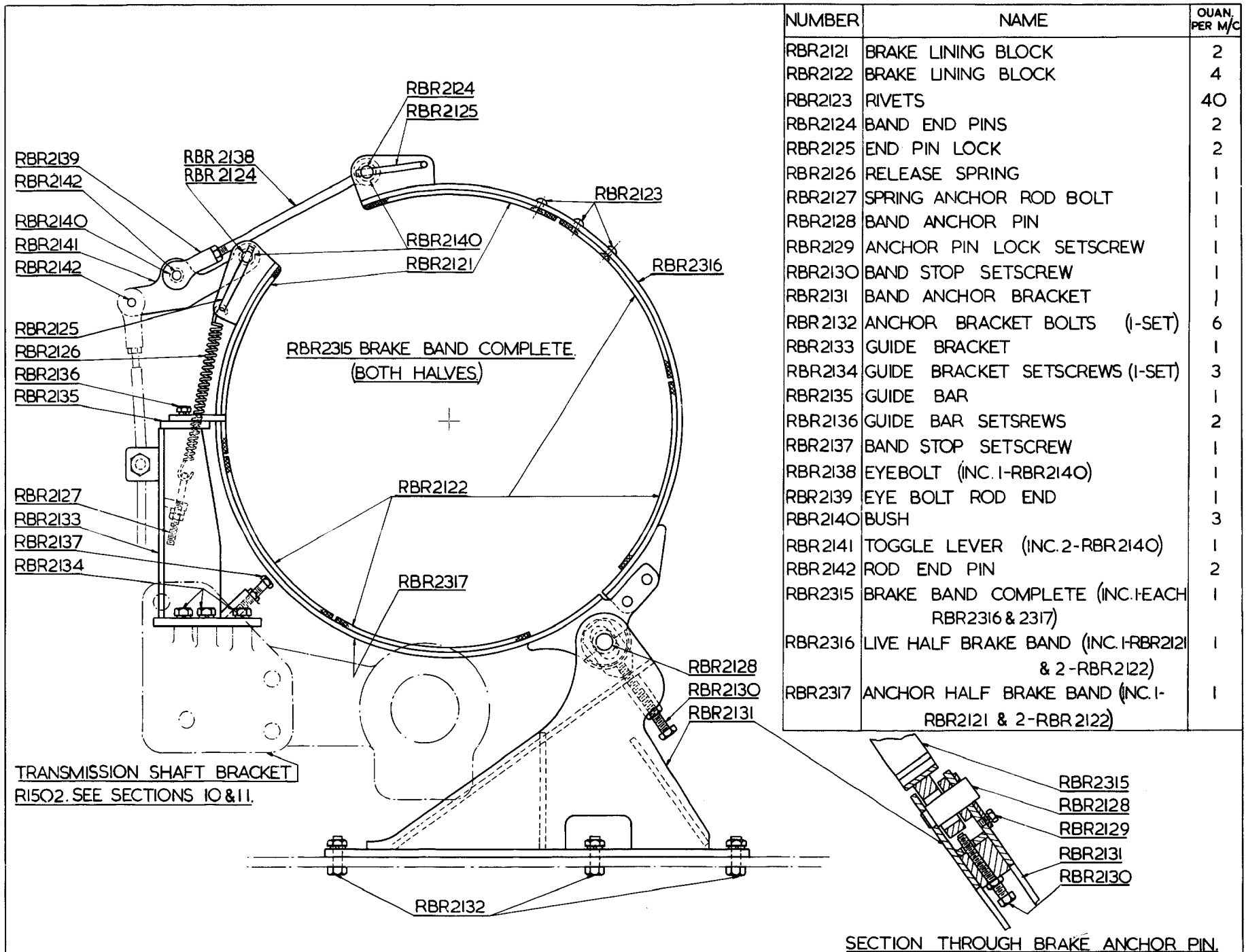
GREASE GUN ASSEMBLY COMPLETE WITH RIGID DELIVERY TUBE - RBYD 11

GREASE GUN ASSEMBLY COMPLETE WITH FLEXIBLE DELIVERY TUBE - RBYD 12



SEE LIST FOR THE CORRECT PART NUMBER FOR THE SIZE OF GREASE NIPPLE YOU REQUIRE





NUMBER	NAME	QUAN. PER M/C
RBR2121	BRAKE LINING BLOCK	2
RBR2122	BRAKE LINING BLOCK	4
RBR2123	RIVETS	40
RBR2124	BAND END PINS	2
RBR2125	END PIN LOCK	2
RBR2126	RELEASE SPRING	1
RBR2127	SPRING ANCHOR ROD BOLT	1
RBR2128	BAND ANCHOR PIN	1
RBR2129	ANCHOR PIN LOCK SETSCREW	1
RBR2130	BAND STOP SETSCREW	1
RBR2131	BAND ANCHOR BRACKET	1
RBR2132	ANCHOR BRACKET BOLTS (1-SET)	6
RBR2133	GUIDE BRACKET	1
RBR2134	GUIDE BRACKET SETSCREWS (1-SET)	3
RBR2135	GUIDE BAR	1
RBR2136	GUIDE BAR SETSCREWS	2
RBR2137	BAND STOP SETSCREW	1
RBR2138	EYEBOLT (INC. 1-RBR2140)	1
RBR2139	EYE BOLT ROD END	1
RBR2140	BUSH	3
RBR2141	TOGGLE LEVER (INC. 2-RBR2140)	1
RBR2142	ROD END PIN	2
RBR2315	BRAKE BAND COMPLETE (INC. EACH RBR2316 & 2317)	1
RBR2316	LIVE HALF BRAKE BAND (INC. 1-RBR2121 & 2-RBR2122)	1
RBR2317	ANCHOR HALF BRAKE BAND (INC. 1-RBR2121 & 2-RBR2122)	1

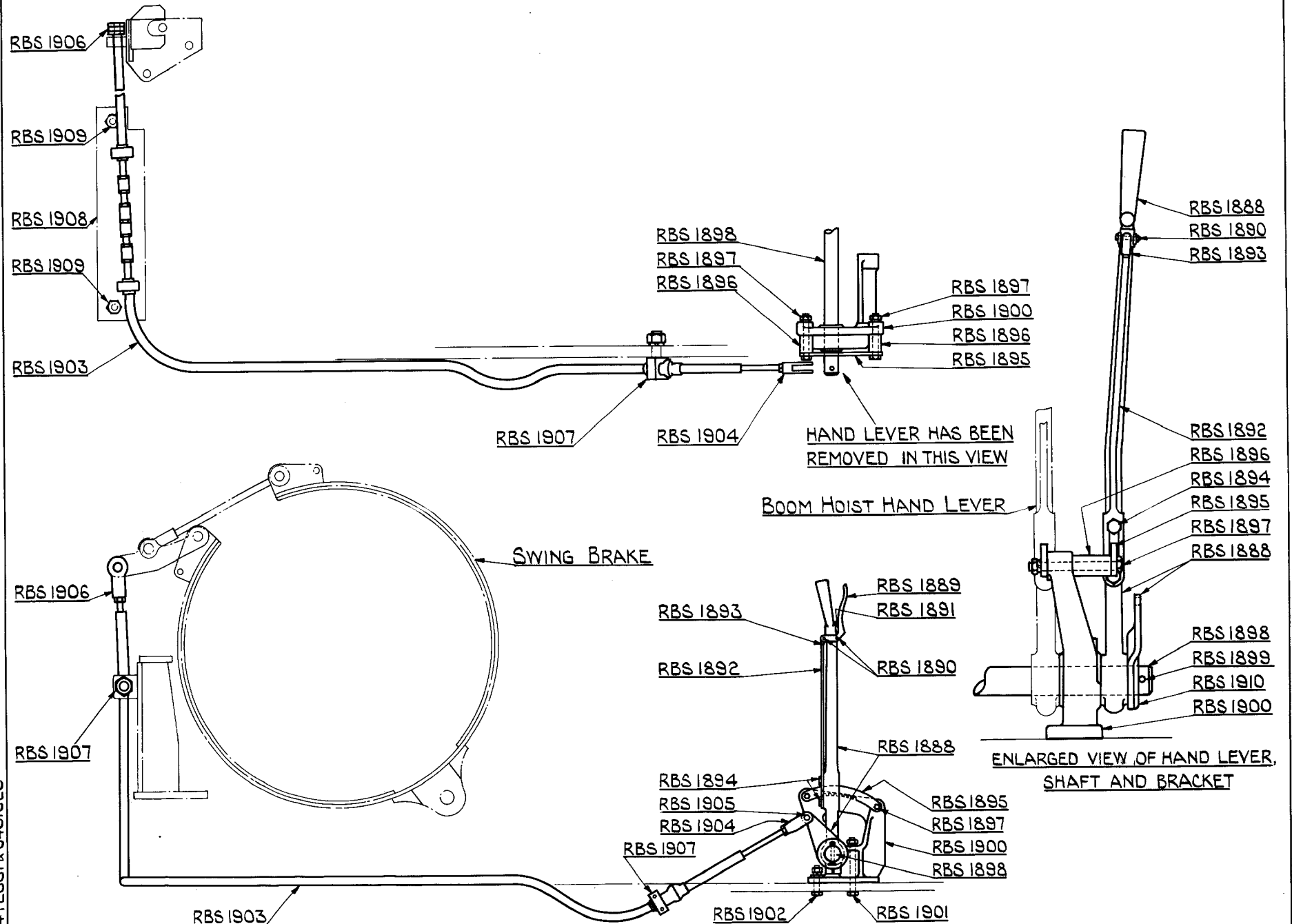
THIS SHEET RELATES TO SYMBOLS:-	L855R	L856R	L883R	L936R.															
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SWING BRAKE OPERATING LEVERS.

19 &amp; 22-RB

NUMBER	NAME	QUAN. PER M/C.
RBS 1888	SWING BRAKE HAND LEVER	1
RBS 1889	HAND LEVER LATCH HANDLE	1
RBS 1890	LATCH HANDLE BOLT	2
RBS 1891	LATCH SPRING	1
RBS 1892	LATCH PAWL ROD	1
RBS 1893	LATCH PAWL ROD END PIECE	1
RBS 1894	LATCH PAWL ROD SCREW	2
RBS 1895	HAND LEVER QUADRANT	1
RBS 1896	HAND LEVER QUADRANT SPACER	2
RBS 1897	HAND LEVER QUADRANT SPACER BOLT	2
RBS 1898	HAND LEVER SHAFT (INCLUDES KEYS)	1
RBS 1899	HAND LEVER SHAFT LOCK	1
RBS 1900	HAND LEVER SHAFT BRACKET	1
RBS 1901	HAND LEVER SHAFT BRACKET BOLT (LONG)	1
RBS 1902	HAND LEVER SHAFT BRACKET BOLT (SHORT)	1
RBS 1903	SWING BRAKE CONTROL UNIT	1
RBS 1904	CONTROL UNIT FORK END (HAND LEVER END)	1
RBS 1905	CONTROL UNIT FORK END PIN	1
RBS 1906	CONTROL UNIT FORK END (BRAKE END)	1
RBS 1907	CONTROL UNIT CLAMPING BOLT COMPLETE	2
RBS 1908	CONTROL UNIT SUPPORT	1
RBS 1909	CONTROL UNIT SUPPORT BOLTS	2
RBS 1910	HAND LEVER RETAINING WASHER	1

16 THIS SHEET L902S  
RELATES TO  
SYMBOLS:-



54T2381 & 54S1823

THIS SHEET RELATES TO SYMBOLS:-	L902S																		
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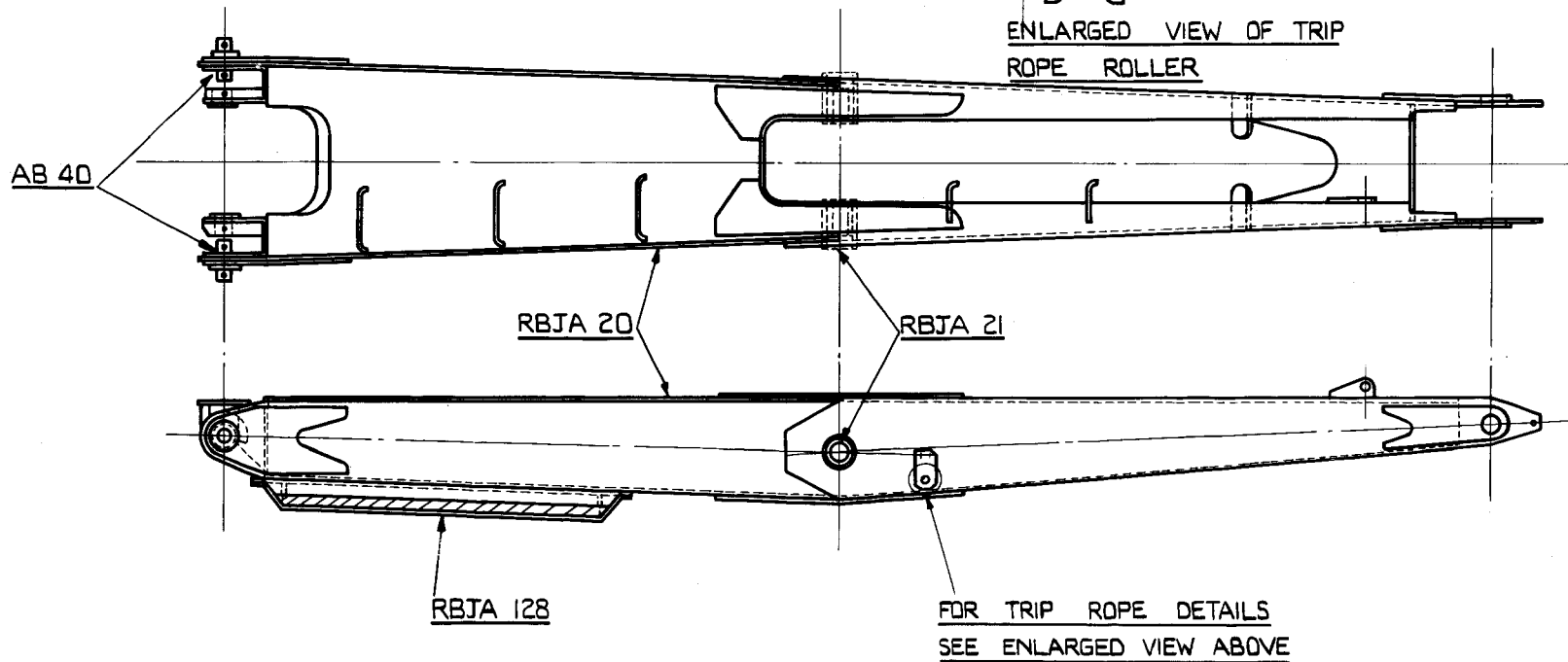
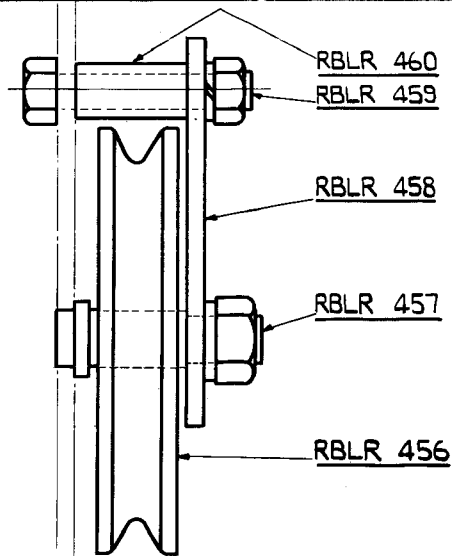




19&22RB

SHOVEL BOOM

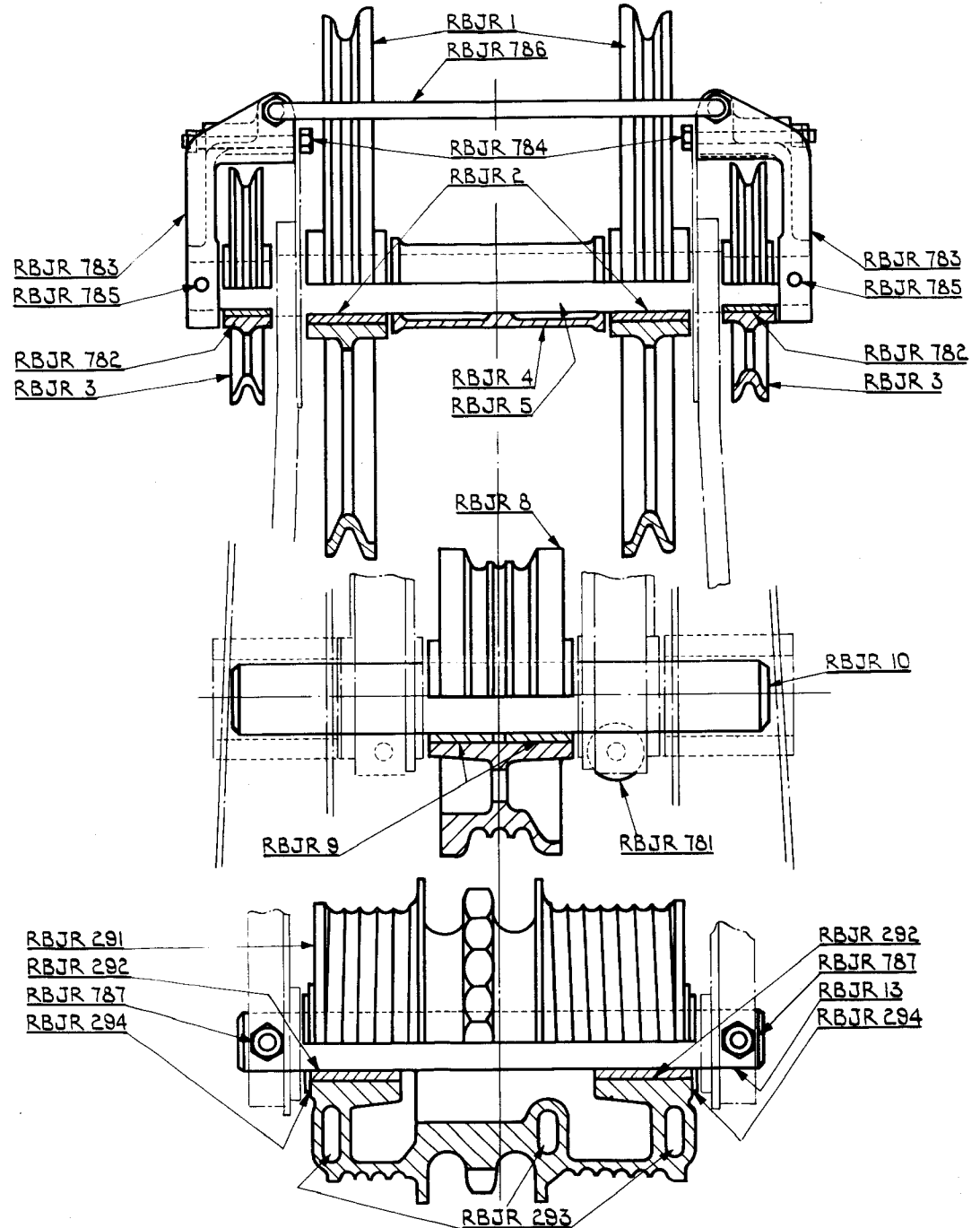
NUMBER	NAME
RBJA 20	BOOM COMPLETE
RBJA 21	BUSH
RBJA 128	BUMPER COMPLETE
AB 40	BOOM FOOT PIN
RBLR 456	TRIP ROPE SHEAVE
RBLR 457	TRIP ROPE SHEAVE PIN
RBLR 458	TRIP ROPE SHEAVE BRACKET
RBLR 459	BRACKET BOLTS
RBLR 460	BRACKET BOLT SPACER



THIS SHEET	L434JA	L449JA	L457JA	L497JA	L708JA														
RELATES TO	L192LR	L292LR	L294LR																
SYMBOLS:-																			

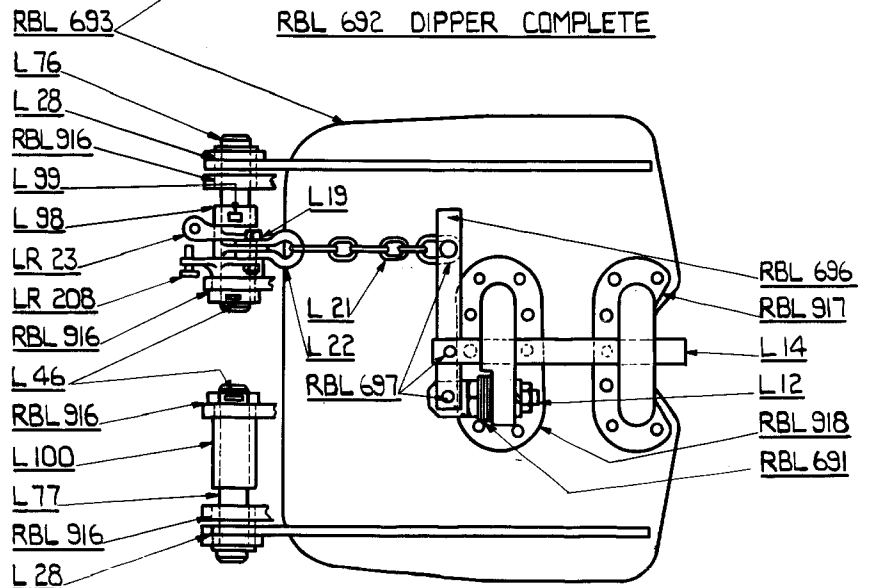
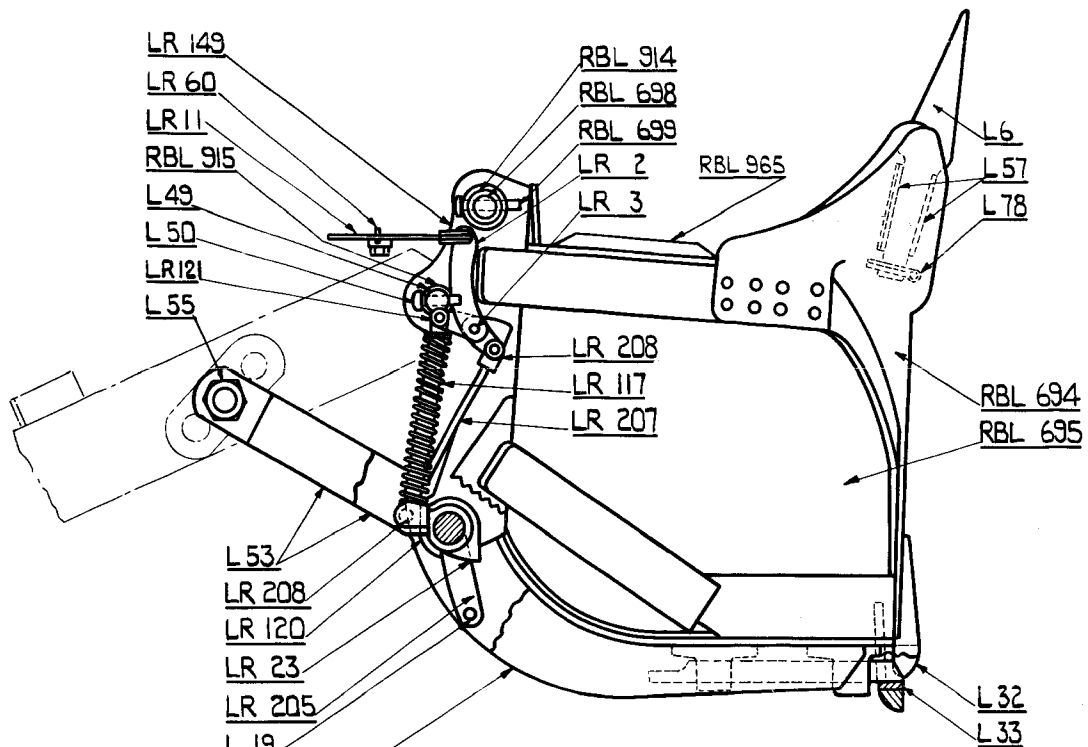
NUMBER	NAME
RBJR 1	BOOM POINT SHEAVE (INCLUDES RBJR 2)
RBJR 2	POINT SHEAVE BUSHING
RBJR 3	SUSPENSION SHEAVE (INCLUDES RBJR 782)
RBJR 4	POINT PIN SPACER
RBJR 5	BOOM POINT PIN
RBJR 8	SHIPPER SHAFT DRUM (INCLUDES RBJR 9)
RBJR 9	DRUM BUSHING
RBJR 10	SHIPPER SHAFT (INCLUDES RBJR 781)
RBJR 13	CROWD DRUM SHAFT (BOOM FOOT)
RBJR 291	CROWD DRUM (INCLUDES 2 OF RBJR 292 & 3 OF RBJR 293)
RBJR 292	CROWD DRUM BUSHES
RBJR 293	ROPE SOCKET WEDGE
RBJR 294	CROWD DRUM SHAFT WASHER
RBJR 781	SHIPPER SHAFT SPECIAL KEY
RBJR 782	SUSPENSION SHEAVE BUSHING
RBJR 783	SUSPENSION SHEAVE GUARD
RBJR 784	GUARD BOLT
RBJR 785	POINT PIN LOCK
RBJR 786	POINT SHEAVE GUARD (INCLUDES 8 NUTS)
RBJR 787	CROWD DRUM SHAFT LOCK

FOR OTHER SHOVEL AUXILIARY  
DETAILS SEE APPROPRIATE PAGE  
IN THIS SECTION



THIS SHEET	L512JR	L587JR	L605JR	L660JR	L687JR	L688JR	L956JR								
RELATES TO															
SYMBOLS:-															

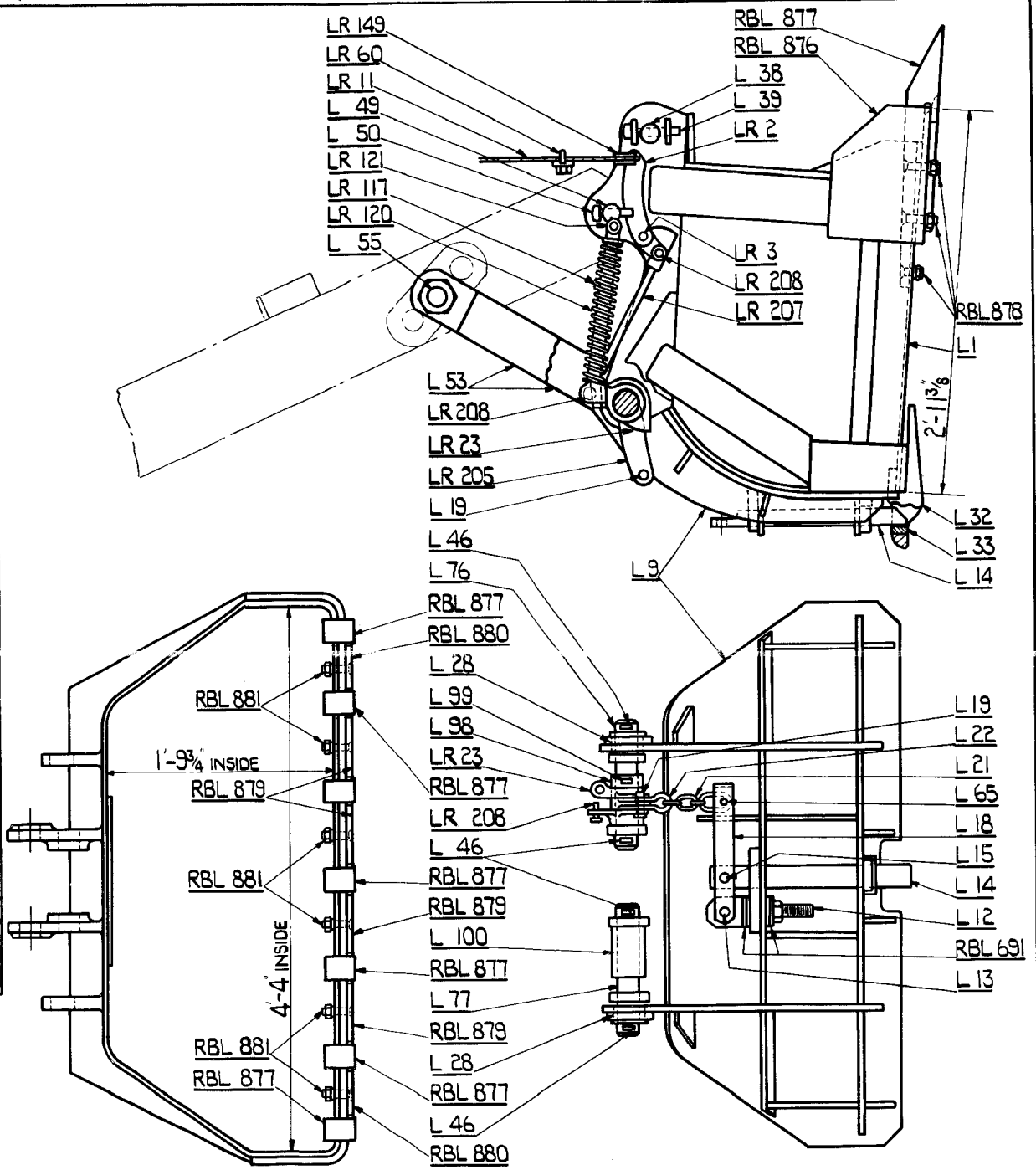
NUMBER	NAME
L 6	DIPPER TOOTH (1 ONLY)
L 12	FULCRUM BOLT
L 14	LATCH BAR
L 19	CLEVIS PIN
L 21	DUMP CHAIN
L 22	CLEVIS
L 28	DIPPER HINGE BUSHING (1 ONLY)
L 32	LATCH KEEPER
L 33	LATCH KEEPER INSERT
L 46	HINGE PIN LOCK (1 ONLY)
L 49	HANDLE END PIN
L 50	HANDLE END PIN LOCK
L 53	BACK BRACE (1 ONLY)
L 55	HANDLE BRACE PIN
L 57	TOOTH SHIMS (SET FOR 1 TOOTH)
L 76	RIGHT HINGE PIN (INCLUDES WASHER)
L 77	LEFT HINGE PIN (INCLUDES WASHER)
L 78	TOOTH LOCK PIN (1 ONLY)
L 98	RIGHT HINGE PIN SPACER
L 99	SPACER BOLT
L 100	LEFT HINGE PIN SPACER
RBL 691	FULCRUM BOLT WASHER
RBL 692	DIPPER COMPLETE
RBL 693	DIPPER DOOR (INCLUDES 2 OF L28)
RBL 694	DIPPER FRONT
RBL 695	DIPPER BODY
RBL 696	LATCH LEVER
RBL 697	LATCH LEVER PIN
RBL 698	PADLOCK PIN
RBL 699	PADLOCK PIN LOCK
LR 2	DUMP LEVER
LR 3	DUMP LEVER SHAFT
LR 11	TRIP ROPE
LR 23	BELL CRANK
LR 60	ROPE CLIP
LR 117	DUMP LEVER SPRING
LR 120	SPRING ROD
LR 121	SPRING ROD PIN
LR 149	ROPE THIMBLE
LR 205	DUMP CHAIN LEVER
LR 207	DUMP LEVER REACH ROD
LR 208	REACH ROD PIN (1 ONLY)
RBL 914	PADLOCK PIN BUSHING
RBL 915	HANDLE END PIN BUSHING
RBL 916	HINGE PIN BUSHING (IN DIPPER)
RBL 917	FRONT LATCH BAR BRACKET
RBL 918	REAR LATCH BAR BRACKET
RBL 965	WEARING BAR (WELDED TO DIPPER)



THIS SHEET	L 853 L	L 297 LR																	
RELATES TO																			
SYMBOLS:-																			

# 19 & 22RB SPECIAL COAL LOADING SHOVEL DIPPER

NUMBER	NAME
L 1	DIPPER COMPLETE
L 9	DIPPER DOOR (INCLUDES 2 OF L28)
L 12	FULCRUM BOLT
L 13	FULCRUM PIN
L 14	LATCH BAR
L 15	LATCH BAR PIN
L 18	LATCH LEVER
L 19	CLEVIS PIN
L 21	DUMP CHAIN
L 22	DUMP CHAIN CLEVIS
L 28	DIPPER DOOR HINGE BUSHING
L 32	LATCH KEEPER (INCLUDES L33)
L 33	LATCH KEEPER INSERT
L 38	PADLOCK PIN
L 39	PADLOCK PIN LOCK
L 46	HINGE PIN LOCK
L 49	HANDLE END PIN
L 50	HANDLE END PIN LOCK
L 53	BACK BRACE
L 55	HANDLE BRACE PIN
L 65	LATCH LEVER CHAIN PIN
L 76	RIGHT HINGE PIN (INCLUDES WASHER)
L 77	LEFT HINGE PIN (INCLUDES WASHER)
L 98	RIGHT HINGE PIN SPACER
L 99	SPACER BOLT
L 100	LEFT HINGE PIN SPACER
RBL 691	FULCRUM BOLT WASHER
RBL 876	LIP PLATE (WELDED TO DIPPER)
RBL 877	TEETH
RBL 878	TEETH BOLTS (SET FOR ONE TOOTH)
RBL 879	CUTTER (INNER)
RBL 880	CUTTER (OUTER)
RBL 881	CUTTER BOLTS (SET FOR ONE CUTTER)
LR 2	DUMP LEVER
LR 3	DUMP LEVER SHAFT
LR 11	TRIP ROPE
LR 23	BELL CRANK
LR 60	ROPE CLIP
LR 117	DUMP LEVER SPRING
LR 120	SPRING ROD
LR 121	SPRING ROD PIN
LR 149	ROPE THIMBLE
LR 205	DUMP CHAIN LEVER
LR 207	DUMP LEVER REACH ROD
LR 208	REACH ROD PIN

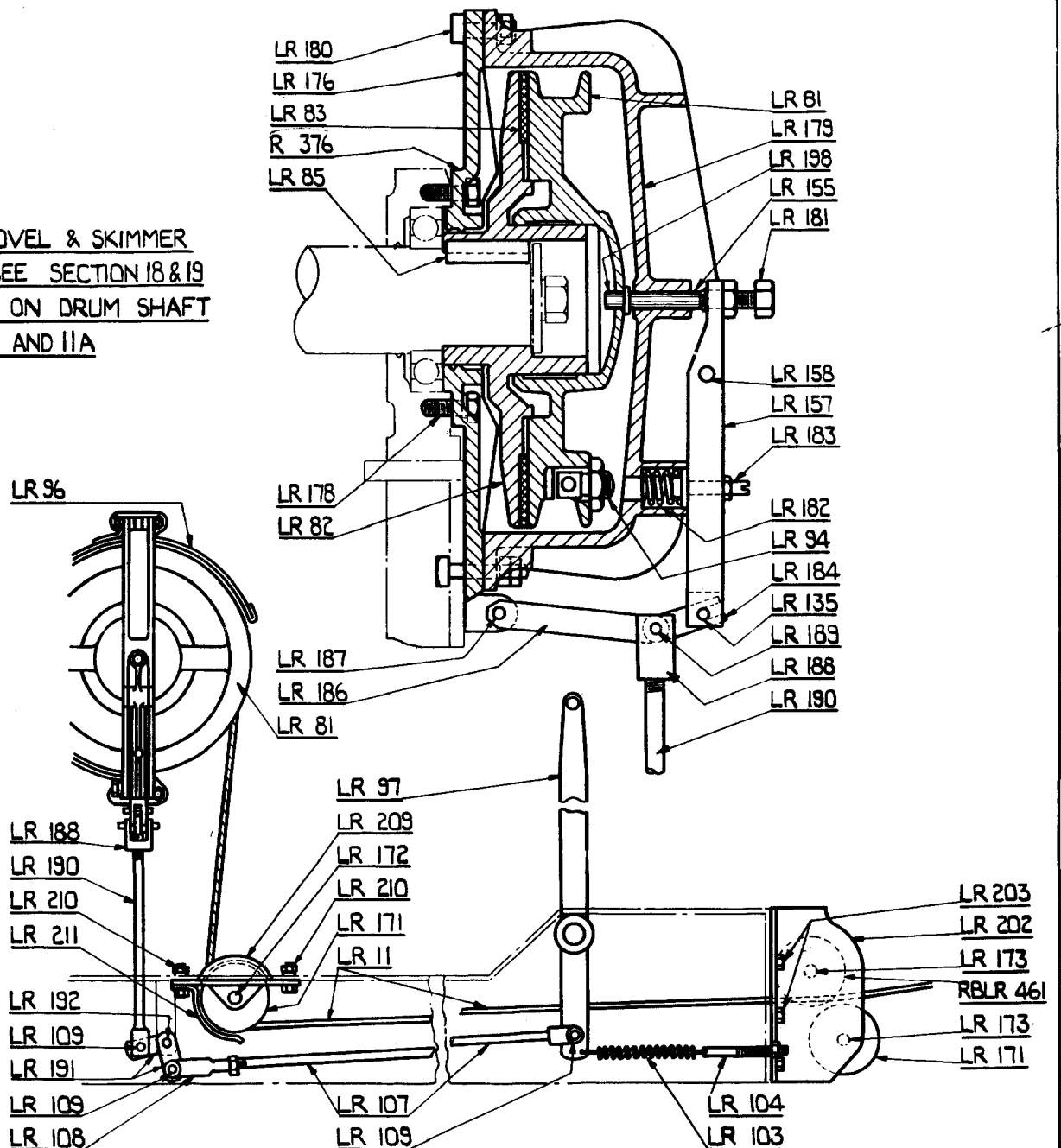


THIS SHEET	L854 L	L934 L																			
RELATES TO	L320 LR																				
SYMBOLS:-																					

NUMBER	NAME	NUMBER	NAME
LR 11	TRIP ROPE (FOR SHOVEL ONLY)	LR 180	BRIDGE BOLT (SET)
LR 81	DRUM	LR 181	SHIFTER PIN ADJUSTING SCREW
LR 82	HUB	LR 182	COMPRESSION SPRING
LR 83	FRICITION RING	LR 183	SPRING ADJUSTING PIN
LR 85	HUB KEY	LR 184	SHORT TOGGLE LINK
LR 94	ROPE CLAMP	LR 185	SHORT TOGGLE LINK PIN
LR 96	DIPPER TRIP GUARD WITH BOLTS	LR 186	LONG TOGGLE LINK
LR 97	HAND LEVER	LR 187	LONG TOGGLE LINK FULCRUM PIN
LR 103	HAND LEVER SPRING	LR 188	TOGGLE LINK FORK
LR 104	SPRING BOLT	LR 189	TOGGLE LINK FORK PIN
LR 107	REACH ROD	LR 190	TOGGLE REACH ROD
LR 108	REACH ROD END	LR 191	TOGGLE BELL CRANK
LR 109	ROD END PIN	LR 192	BELL CRANK SHAFT
LR 155	SHIFTER PIN	LR 198	WEARING PLUG
LR 157	LEVER	LR 202	ROLLER BRACKET
LR 158	FULCRUM PIN	LR 203	BRACKET CAPSCREW (1 ONLY)
LR 171	ROLLER	LR 209	TRIP ROLLER BEARING
LR 172	ROLLER PIN	LR 210	TRIP ROLLER BEARING BOLTS
LR 173	ROLLER PIN	LR 211	TRIP ROPE GUARD )
LR 176	BRACKET RETAINER	RBLR 461	ROLLER
LR 178	RETAINER CAP SCREW (1 ONLY)	R 376	RETAINER GASKET
LR 179	BRIDGE		

THIS SHEET L272LR L295LR  
RELATES TO  
SYMBOLS:-

FOR DRAGSHOVEL & SKIMMER  
TRIP ROPE SEE SECTION 18 & 19  
FOR LOCATION ON DRUM SHAFT  
SEE SECTION 11 AND 11A

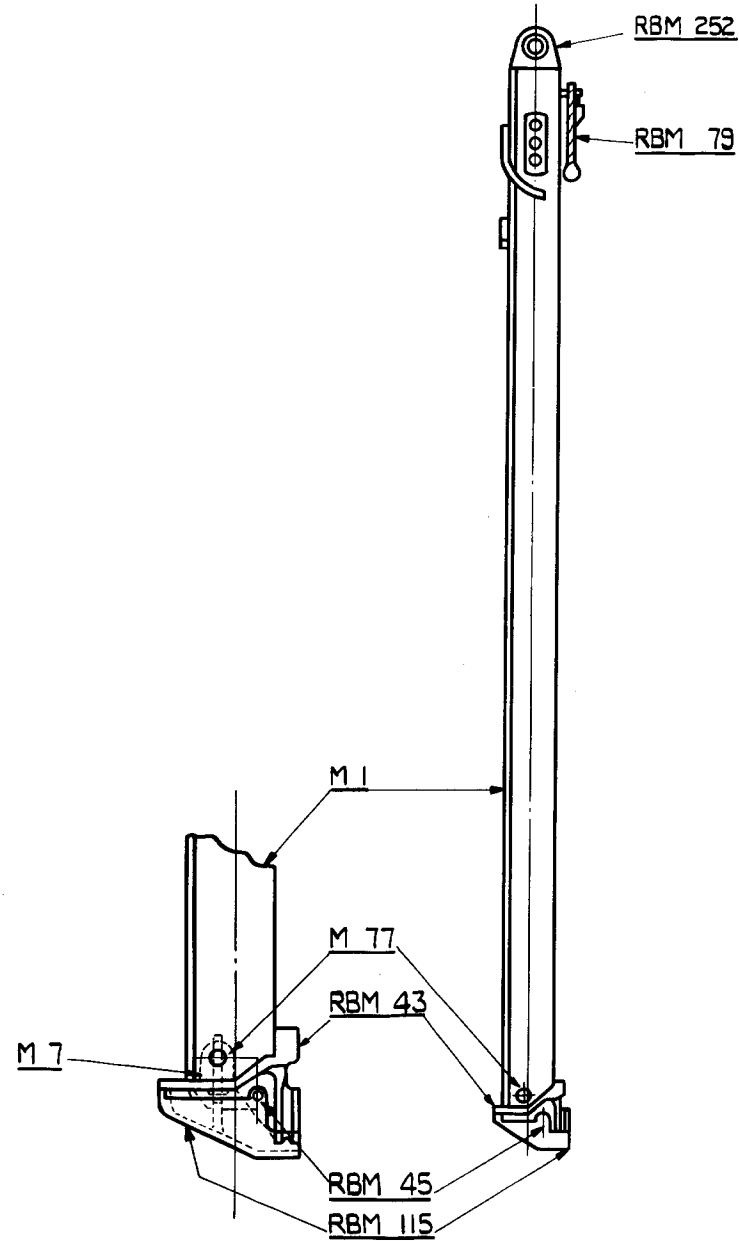


THIS SHEET	L272 LR	L295 LR												
RELATES TO														
SYMBOLS :-														

19&22RB

# SHOVEL DIPPER HANDLE

NUMBER	NAME
M 1	HANDLE COMPLETE
M 77	ROPE ANCHOR PIN
M 78	ANCHOR PIN LOCK
M 79	ADJUSTING BOLT
RBM 43	ROPE ANCHOR
RBM 45	T HEAD BOLT
RBM 115	ROPE GUARD
RBM 252	HANDLE END CASTING (WELDED TO HANDLE)



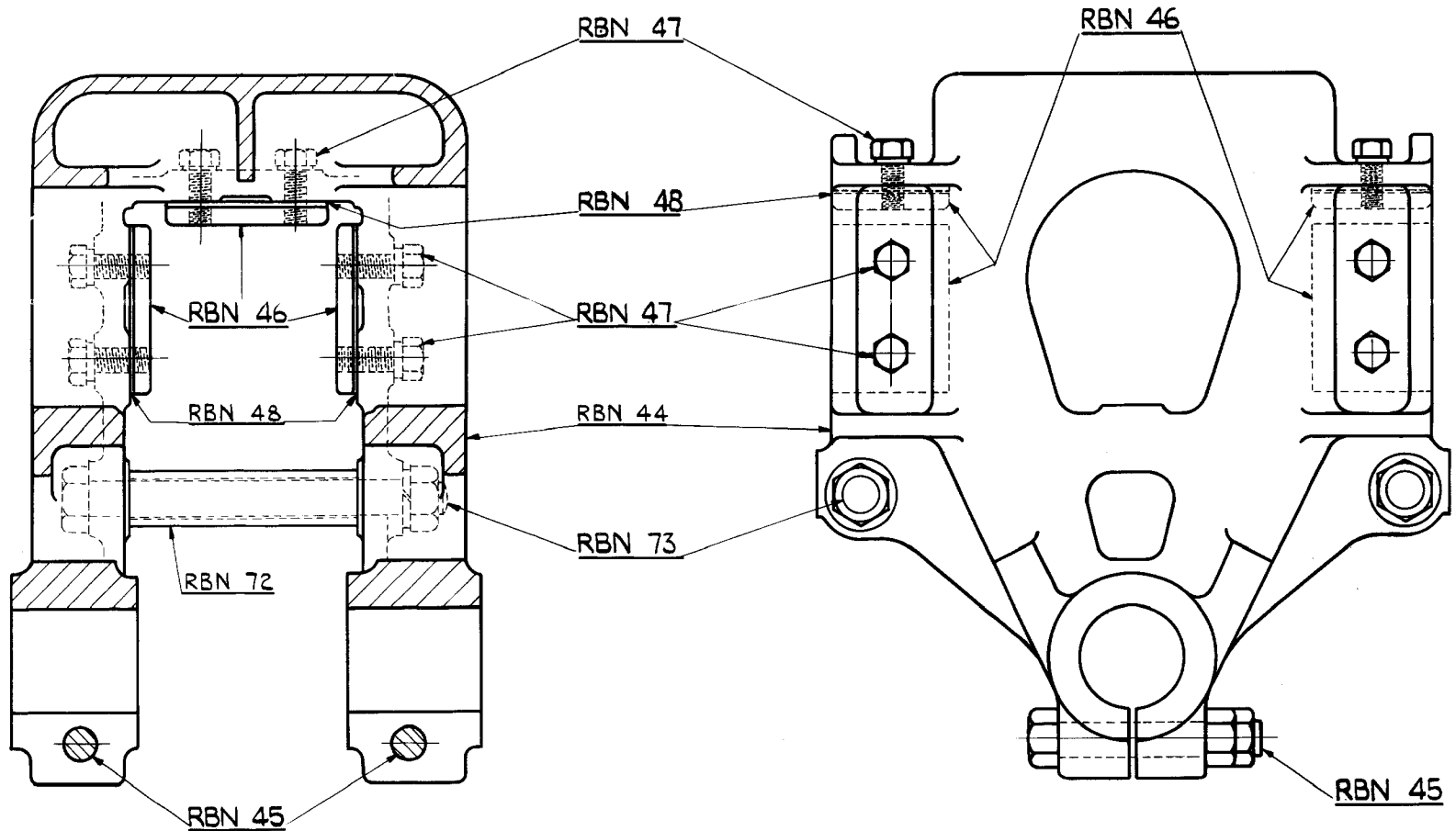
THIS SHEET RELATES TO SYMBOLS:-	L250M	L252M	L282M	L283M	L312M	L313M	L314M	L315M											
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19&22RB

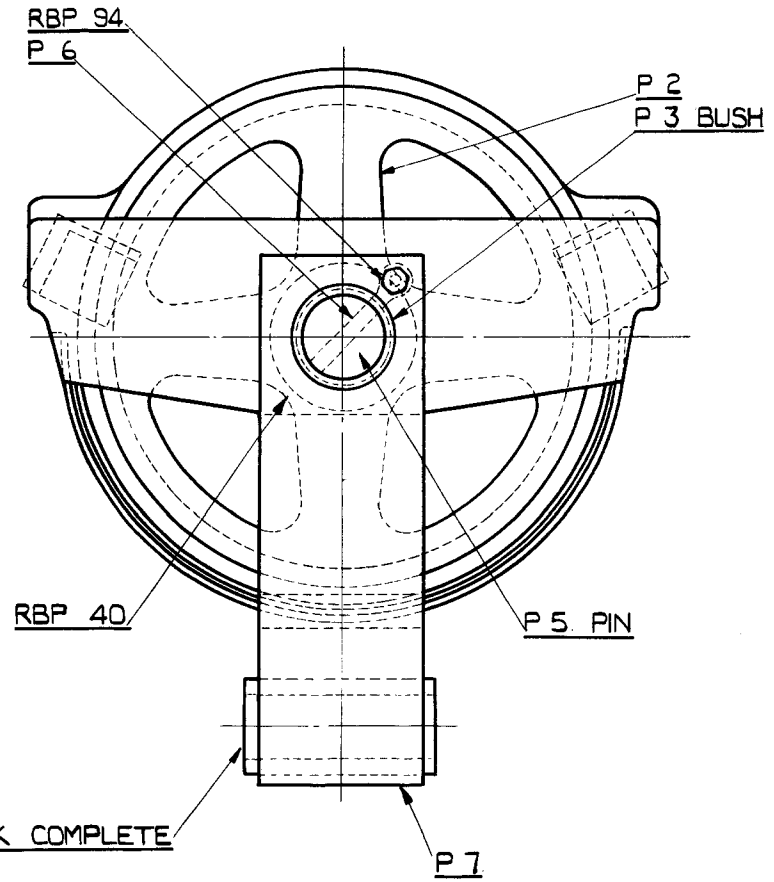
SADDLE BLOCK

NUMBER	NAME
RBN 44	SADDLE BLOCK COMPLETE (INCLUDES 2 OF RBN 45, RBN 46, RBN 47, RBN 48.)
RBN 45	CLAMP BOLT
RBN 46	WEARING PLATES (SET)
RBN 47	SETSCREWS FOR WEARING PLATES
RBN 48	WEARING PLATE LINERS (SET)
RBN 72	SPACER
RBN 73	SPACER BOLT



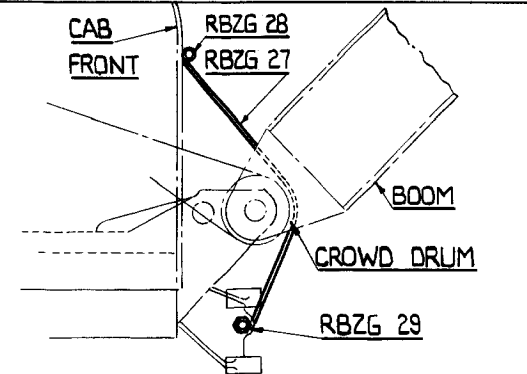
THIS SHEET	L139 N																			
RELATES TO																				
SYMBOL:-																				

NUMBER	NAME
P 1	PADLOCK COMPLETE
P 2	SHEAVE (INCLUDES BUSH)
P 3	BUSH FOR SHEAVE
P 5	SHEAVE PIN
P 6	SHEAVE PIN LOCK
P 7	PADLOCK FRAME
RBP 40	WASHER
RBP 94	SHEAVE PIN LOCK CAPSCREW

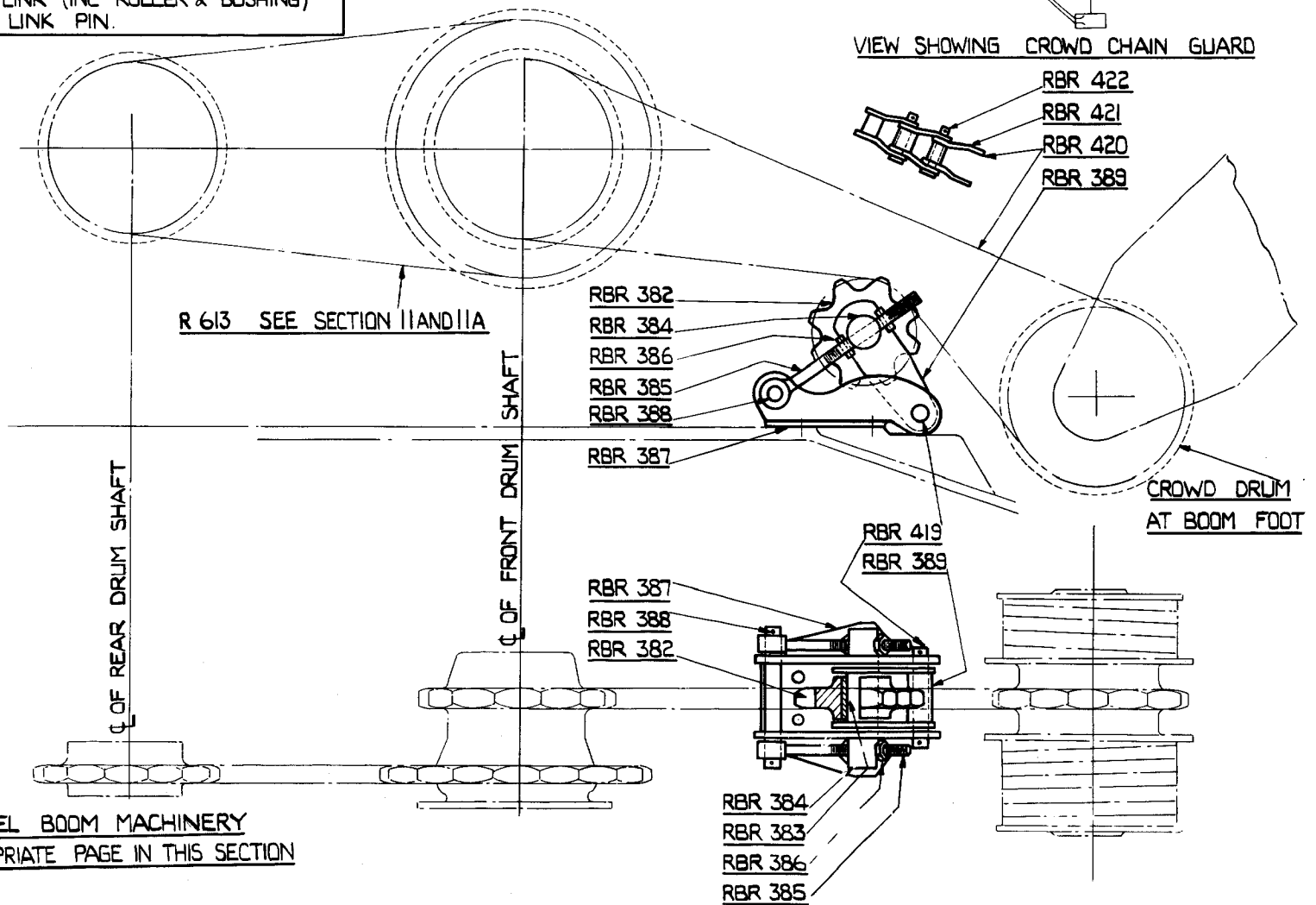


THIS SHEET	LI66P	LI71P																		
RELATES TO																				
SYMBOLS:-																				

NUMBER	NAME	NUMBER	NAME
RBR 382	CHAIN TAKE-UP SPROCKET (INCLUDES RBR 383)	RBZG 27	CROWD CHAIN GUARD
RBR 383	TAKE-UP SPROCKET BUSHING	RBZG 28	GUARD HINGE PIN
RBR 384	TAKE-UP SPROCKET PIN	RBZG 29	GUARD BOLT
RBR 385	TAKE-UP EYEBOLT		
RBR 386	TAKE-UP EYEBOLT NUT		
RBR 387	TAKE-UP YOKE BRACKET		
RBR 388	TAKE-UP EYEBOLT PIN		
RBR 389	TAKE-UP YOKE		
RBR 419	TAKE-UP YOKE PIN		
RBR 420	CROWD CHAIN COMPLETE		
RBR 421	CHAIN LINK (INC ROLLER & BUSHING)		
RBR 422	CHAIN LINK PIN		



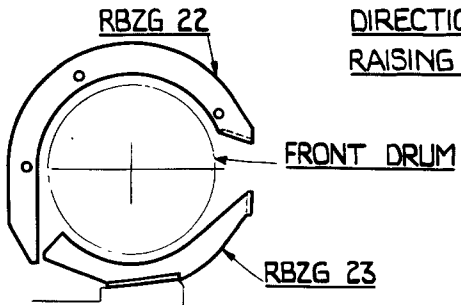
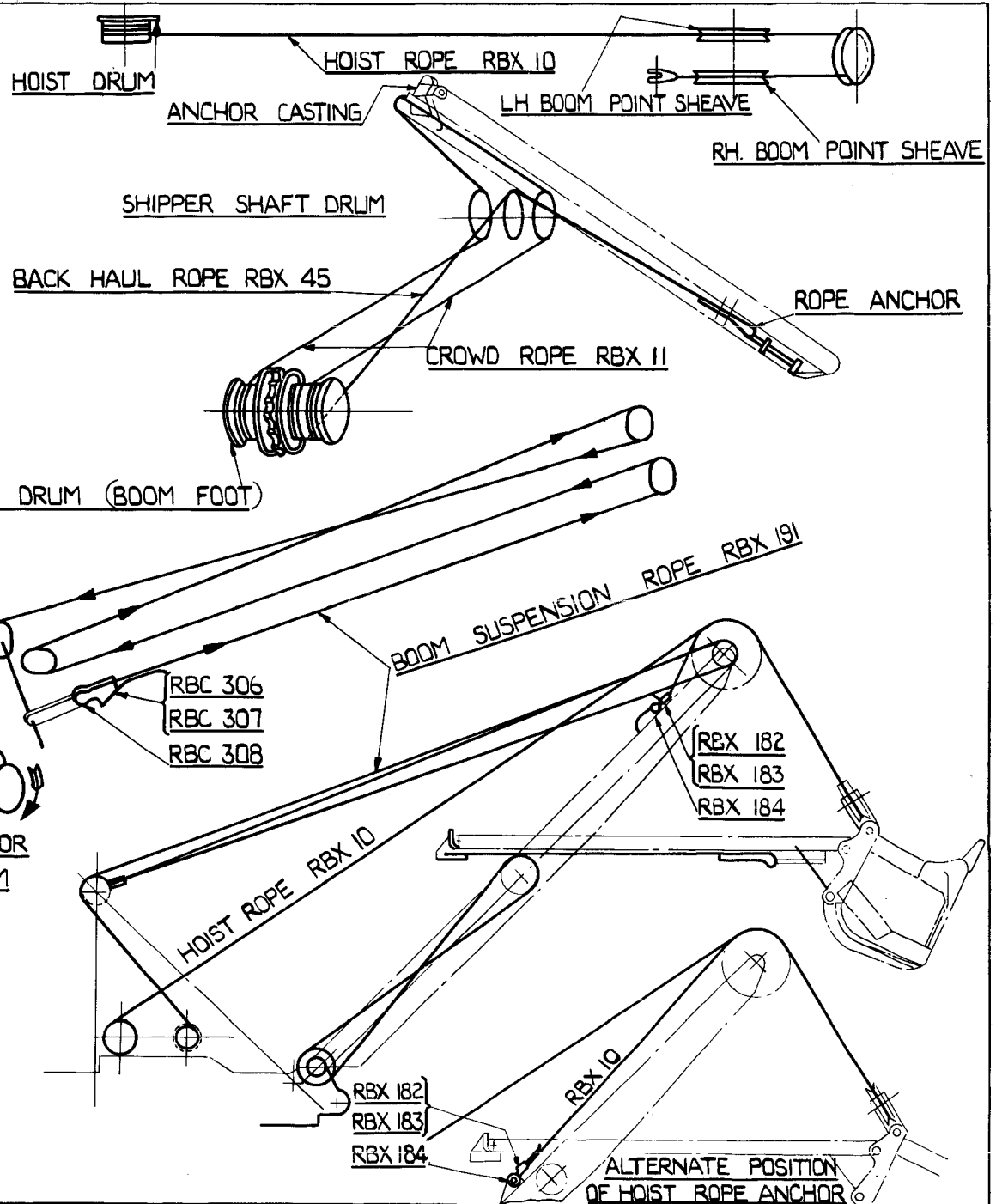
VIEW SHOWING CROWD CHAIN GUARD



FOR SHOVEL BOOM MACHINERY  
SEE APPROPRIATE PAGE IN THIS SECTION

THIS SHEET	L388 R	L414 R	L421R	L588R	L696R	L704R	L783R											
RELATES TO																		
SYMBOLS																		

NUMBER	NAME
RBX 10	HOIST ROPE
RBX 11	CROWD ROPE
RBX 45	BACK HAUL ROPE
RBX 182	HOIST ROPE SOCKET
	(INCLUDES RBX 183)
RBX 183	HOIST ROPE SOCKET WEDGE
RBX 184	HOIST ROPE SOCKET PIN
RBX 191	BOOM SUSPENSION ROPE
RBC 306	SUSPENSION ROPE SOCKET
	(INCLUDES RBC 307)
RBC 307	ROPE SOCKET WEDGE
RBC 308	SUSPENSION ROPE SOCKET PIN
RBZG 22	FRONT DRUM UPPER ROPE GUARD
RBZG 23	FRONT DRUM LOWER ROPE GUARD



ENLARGED VIEW OF FRONT DRUM ROPE GUARDS.

THIS SHEET RELATES TO SYMBOLS	L474X	L476X	L478X																	
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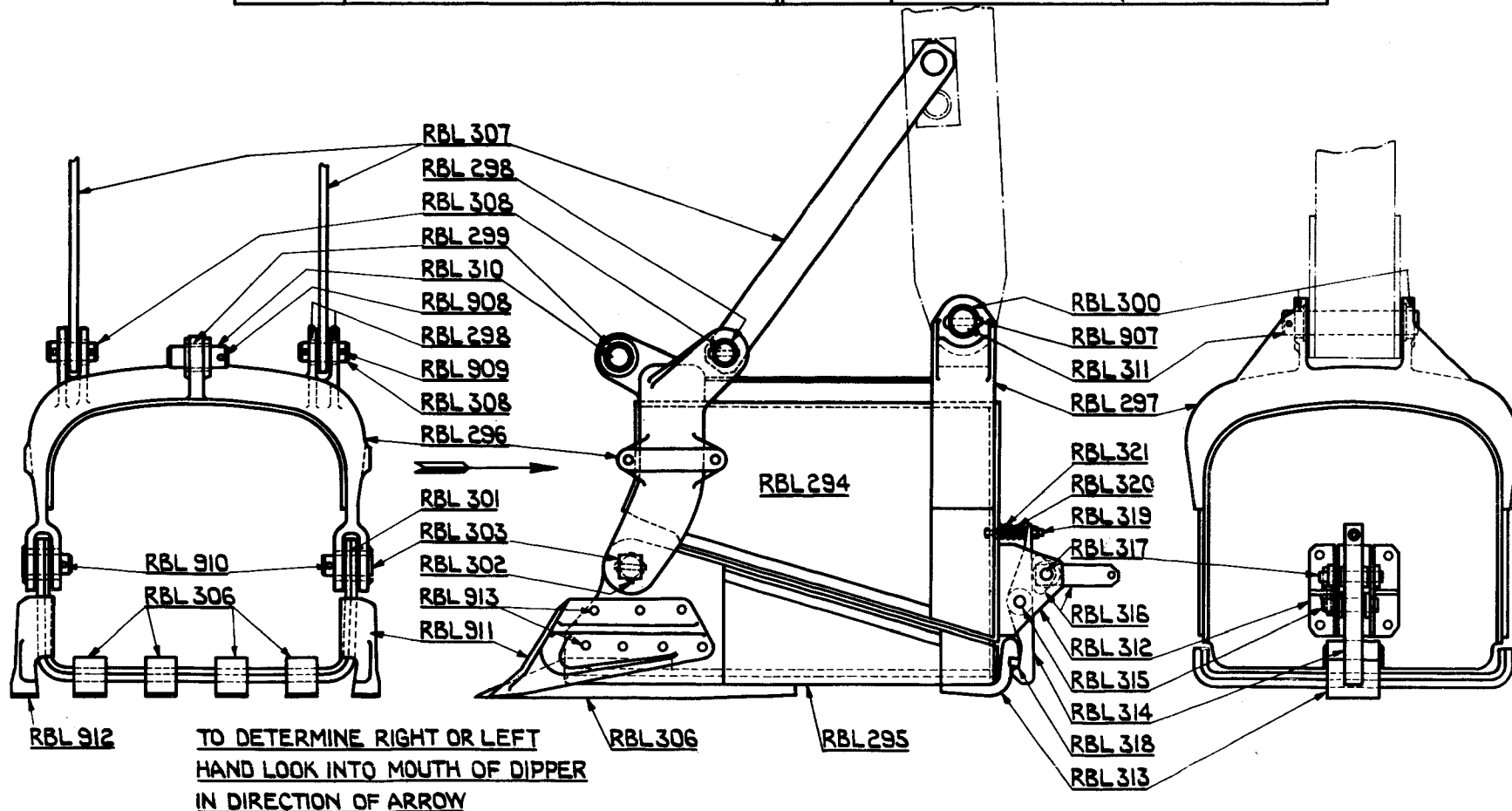




19&amp;22 RB

## DRAGSHOVEL DIPPER

NUMBER	NAME	NUMBER	NAME
RBL 294	DRAGSHOVEL DIPPER COMPLETE	RBL 313	LATCH KEEPER (INCLUDES RBL318)
RBL 295	DIPPER DOOR COMPLETE	RBL 314	LATCH
RBL 296	DIPPER FRONT CASTING (INCLUDES BUSHINGS)	RBL 315	PIN FOR LATCH
RBL 297	DIPPER BACK CASTING (INCLUDES BUSHINGS)	RBL 316	LATCH OPERATING CAM COMPLETE
RBL 298	BRACE PIN BUSHING (IN DIPPER)	RBL 317	PIN FOR CAM
RBL 299	ROPE ANCHOR PIN BUSHING	RBL 318	LATCH KEEPER INSERT BAR
RBL 300	HANDLE END PIN BUSHING	RBL 319	RETURN SPRING BOLT
RBL 301	HINGE PIN BUSHING (IN DOOR)	RBL 320	LATCH RETURN SPRING
RBL 302	HINGE PIN BUSHING KEY	RBL 321	LATCH STOP
RBL 303	HINGE PIN	RBL 907	HANDLE END PIN LOCK
RBL 306	DRAGSHOVEL DIPPER TOOTH	RBL 908	ROPE SOCKET ANCHOR PIN LOCK
RBL 307	BRACE BAR	RBL 909	BRACE PIN LOCK
RBL 308	BRACE PIN (IN DIPPER)	RBL 910	HINGE PIN LOCK
RBL 310	ROPE SOCKET ANCHOR PIN	RBL 911	RIGHT HAND SIDE CUTTER
RBL 311	HANDLE END PIN	RBL 912	LEFT HAND SIDE CUTTER
RBL 312	LATCH BRACKET COMPLETE	RBL 913	SIDE CUTTER BOLTS (SET FOR ONE SIDE)



THIS SHEET  
RELATES TO  
SYMBOLS:-

L683L L775L L777L L780L L784L L789L L790L L791L





5/8 & 3/4 CUBIC YARD (HOE TYPE) DRAGSHOVEL DIPPER AND HANDLE.19 & 22-RB.

NUMBER	NAME	NUMBER	NAME
RBL 882	5/8 CUB.YD. DRAGSHOVEL DIPPER COMPLETE	RBL 903	SHACKLE PIN LOCKING DOWEL
RBL 883	DRAGSHOVEL DIPPER LIP (INCLUDES 2 EACH OF RBL 884 & RBL 885)	RBL 904	DRAG ROPE SOCKET PIN
RBL 884	HANDLE END PIN BUSHING (IN DIPPER)	RBL 905	DRAG ROPE SOCKET PIN LOCK
RBL 885	BALE BAR SHACKLE PIN BUSHING	RBL 906	3/4 CUB.YD. DRAGSHOVEL DIPPER COMPLETE
RBL 886	DRAGSHOVEL DIPPER TOOTH	RBM 105	DRAGSHOVEL DIPPER HANDLE COMPLETE
RBL 887	DIPPER TOOTH SHIMS	RBM 106	HANDLE END LINK COMPLETE
RBL 888	DIPPER TOOTH LOCK	RBM 107	SHEAVE (INCLUDES RBM108)
RBL 889	RIGHT HAND SIDE CUTTER	RBM 108	BUSHING FOR SHEAVE
RBL 890	LEFT HAND SIDE CUTTER	RBM 109	PIN FOR SHEAVE
RBL 891	BOLTS FOR SIDE CUTTER (SET FOR 1 SIDE)	RBM 110	PIN FOR LINK TO HANDLE
RBL 892	HANDLE END PIN	RBM 111	LINK PIN BUSHING
RBL 893	HANDLE END PIN LOCK	RBM 112	BRACE BAR PIN (HANDLE END)
RBL 894	BRACE BAR	RBM 113	BRACE BAR PIN BUSHING (IN HANDLE)
RBL 895	BRACE BAR PIN (BUCKET END)	RBM 114	HANDLE END PIN BUSHING (IN HANDLE)
RBL 896	BRACE BAR PIN LOCK	RBM 217	LINK SPACER
RBL 897	BRACE BAR PIN BUSHING (IN DIPPER)	RBM 218	LINK SPACER BOLT
RBL 898	BALE BAR	RBM 219	LINK PIN LOCK
RBL 899	BALE BAR SHACKLE	RBM 220	BRACE BAR PIN LOCK
RBL 900	BALE BAR SHACKLE PIN	RBM 285	SHEAVE PIN LOCK
RBL 901	SHACKLE PIN LOCK	RBM 286	DIPPER HANDLE BUMPER COMPLETE
RBL 902	SHACKLE PIN (IN DIPPER)	RBM 287	BUMPER BOLTS (SET)
		RBM 288	HANDLE HINGE PIN BUSHING

THIS SHEET L792L L793L L261M L265M L273M  
RELATES TO  
SYMBOLS:-





















5/8 & 3/4 CUBIC YARD (HOE TYPE) DIPPER AND HANDLE  
FOR DRAGSHOVEL WITH CAMBERED BOOM.

19 & 22-RB

NUMBER	NAME	QUAN. PER M/C.	NUMBER	NAME	QUAN. PER M/C.
RBL 882	5/8" CUB.YD. DRAGSHOVEL DIPPER COMPLETE	1	RBL 956	BRACE BAR	2
RBL 883	DRAGSHOVEL DIPPER LIP (INCLUDES 2 EACH RBL 884 & RBL 885)	1	RBL 957	BRACE BAR PIN (HANDLE END)	1
RBL 884	HANDLE END PIN BUSHING (IN DIPPER)	2	RBL 958	BRACE BAR PIN LOCK	2
RBL 885	PADLOCK SHACKLE PIN BUSHING	2	RBM 294	DRAGSHOVEL DIPPER HANDLE COMPLETE	1
RBL 886	DRAGSHOVEL DIPPER TOOTH	4	RBM 295	HANDLE END PIN BUSHING (IN HANDLE)	2
RBL 887	DIPPER TOOTH SHIMS	AS REQD.	RBM 296	BRACE BAR PIN BUSHING (IN HANDLE)	4
RBL 888	DIPPER TOOTH LOCK	4	RBM 297	HANDLE HINGE OR HOIST LINK PIN	2
RBL 889	RIGHT HAND SIDE CUTTER	1	RBM 298	PIN CLAMP BAR (2 HALVES WITH BOLTS)	2
RBL 890	LEFT HAND SIDE CUTTER	1	RBM 299	PIN CLAMP BAR BOLTS	4
RBL 891	BOLTS FOR SIDE CUTTER (SET FOR 1 SIDE)	8	RBM 300	HOIST LINK COMPLETE (INCLUDES 2 OF RBM 301)	1
RBL 892	HANDLE END PIN	1	RBM 301	HOIST LINK PIN BUSHING	2
RBL 893	HANDLE END PIN LOCK	1	RBM 302	HOIST LINK SHEAVE (INCLUDES RBM 303)	1
RBL 895	BRACE BAR PIN (DIPPER END)	2	RBM 303	HOIST LINK SHEAVE BUSHING	1
RBL 896	BRACE BAR PIN LOCK	4	RBM 304	HOIST LINK SHEAVE PIN	1
RBL 897	BRACE BAR PIN BUSHING	4	RBM 305	SHEAVE PIN LOCK SETSCREW	1
RBL 899	PADLOCK SHACKLE	4	RBM 306	HOIST LINK SHEAVE GUARD (INCLUDES 2 OF RBM 311)	1
RBL 901	SHACKLE PIN LOCK	4	RBM 307	HOIST ANCHOR BAR (INCLUDES RBM 308)	1
RBL 902	SHACKLE PIN (IN DIPPER)	2	RBM 308	HOIST ANCHOR BAR PIN BUSHING	2
RBL 906	3/4" CUB. YD. DRAGSHOVEL DIPPER COMPLETE	1	RBM 309	HOIST ANCHOR BAR PIN	1
			RBM 310	ANCHOR BAR PIN LOCK SETSCREW	1
			RBM 311	HOIST LINK SHEAVE GUARD BUSHING	2

THIS SHEET L891L L892L L893L L274M  
RELATES TO  
SYMBOLS:-



## PADLOCK - CAMBERED BOOM DRAGSHOVEL

19-22RB

NUMBER	NAME	QUAN.	NUMBER	NAME	QUAN.
RBP213	Padlock Complete (Inc. RBP214 to RBP444)	1			
RBP214	Padlock Frame	1			
RBP215	Padlock Sheave (Inc. RBP216)	1			
RBP216	Padlock Sheave Bushing	1			
RBP217	Padlock Sheave Pin	1			
RBP218	Sheave Pin Lock Plate	1			
RBP219	Lock Plate Setscrews	2			
RBP220	Rope Guide Roller Bracket	2			
RBP221	Roller Bracket Bolts	4			
RBP224	Padlock Shackle Pin	2			
RBP225	Shackle Pin Lock	2			
RBP441	Rope Guide Roller	4			
RBP442	Roller Bushing	8			
RBP443	Roller Pin	4			
RBP444	Shackle Spacer	2			
RBP445	Shackle Link	2			
<p>THIS SHEET RELATES TO SYMBOLS:- L265P</p>					













SKIMMER DIPPER.19 & 22-RB.

NUMBER	NAME	NUMBER	NAME
RBL 322	SKIMMER DIPPER COMPLETE	RBL 344	SPRING
RBL 323	SKIMMER DOOR COMPLETE	RBL 345	STOP
RBL 324	FRONT HANGER	RBL 346	BOLT
RBL 325	REAR HANGER	RBL 347	SHAFT
RBL 326	PIN FOR ROLLER	RBL 348	COLLAR
RBL 327	BUSH FOR ROLLER	RBL 349	DISTANCE PIECE
RBL 328	ROLLER 6" DIA./RBL 328-A 5½" DIA.	RBL 350	DISTANCE PIECE
RBL 329	PIN FOR ROPE ANCHOR	RBL 351	BEARING COMPLETE
RBL 330	BUSH FOR PIN	RBL 352	OPERATING CAM
RBL 331	BUSH FOR DOOR	RBL 353	LEVER COMPLETE
RBL 332	KEY FOR DOOR	RBL 354	LINK COMPLETE
RBL 333	HINGE PIN AND NUT	RBL 355	REACH ROD INCLUDES RBL 356
RBL 334	LOCK PLATE	RBL 356	YOKE END FOR ROD
RBL 335	SIDE CUTTER R.H.	RBL 357	YOKE END FOR ROD
RBL 336	SIDE CUTTER L.H.	RBL 358	PIN FOR REACH ROD
RBL 337	CUTTERS	RBL 359	PIN FOR REACH ROD
RBL 338	TEETH	RBL 360	ROLLER
RBL 339	LATCH KEEPER	RBL 361	PIN
RBL 340	INSERT BAR	RBL 362	BOLT FOR ROLLER
RBL 341	LATCH BRACKET COMPLETE	RBL 363	WEAR PLATE
RBL 342	LATCH	RBL 400	REACH ROD
RBL 343	LATCH PIN	RBL 401	TURN BUCKLE

THIS SHEET L401L L402L L480L L481L L546L L551L L552L L553L L613L L614L L615L L687L L722L L730L  
RELATES TO L750L L774L L779L  
SYMBOLS:-





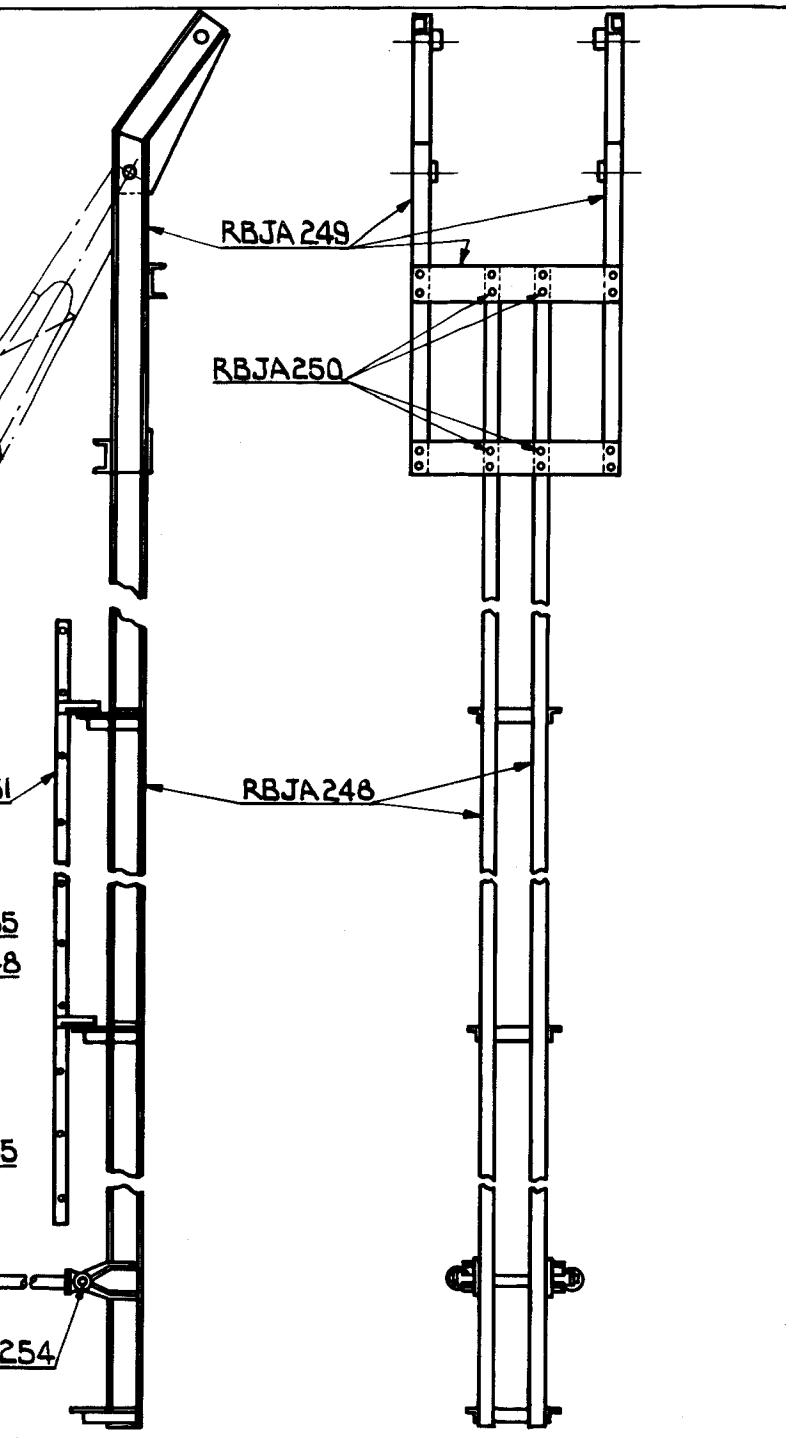
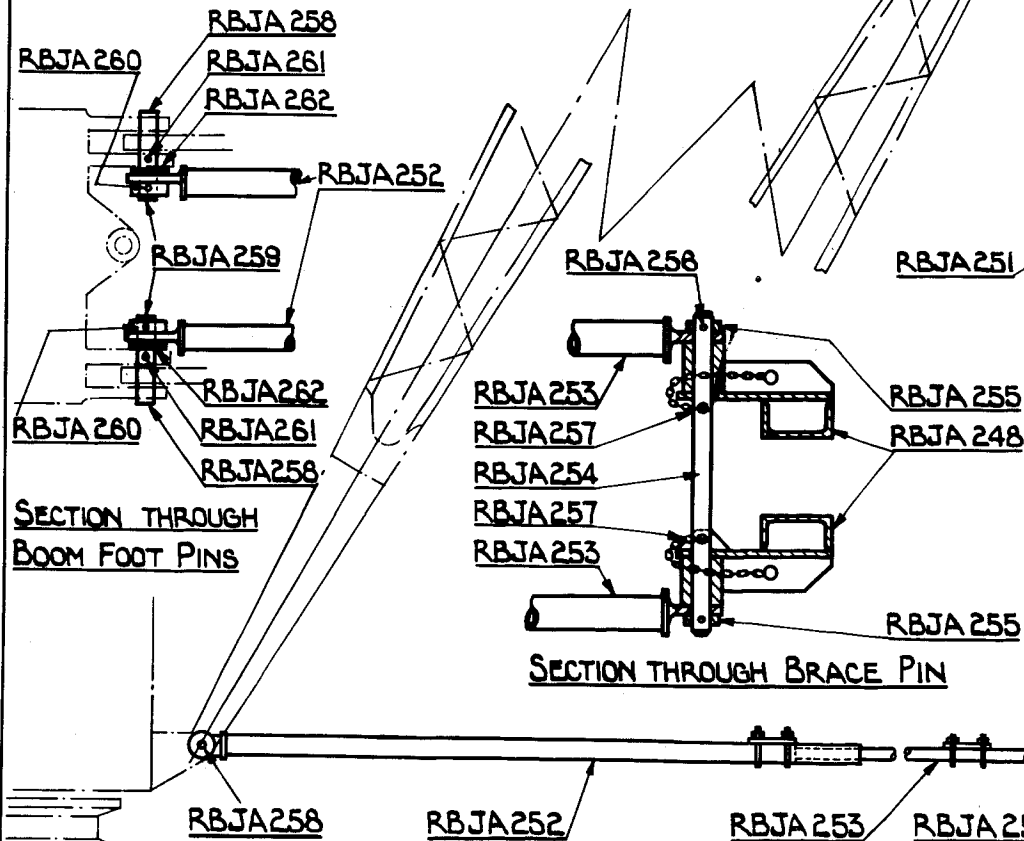








NUMBER	NAME
RBJA248	LEADER COMPLETE
RBJA249	LEADER TOP CONNECTION COMPLETE
RBJA250	TOP CONNECTION BOLTS
RBJA251	LADDER COMPLETE
RBJA252	LEADER INNER BRACE COMPLETE
RBJA253	LEADER OUTER BRACE (1 SIDE ONLY)
RBJA254	LEADER OUTER BRACE PIN
RBJA255	BRACE PIN COLLAR
RBJA256	BRACE PIN COLLAR LOCK
RBJA257	LOCKING PIN WITH CHAIN
RBJA258	BOOM FOOT PIN
RBJA259	FOOT PIN COLLAR
RBJA260	FOOT PIN COLLAR LOCK
RBJA261	FOOT PIN LOCK
RBJA262	FOOT PIN WASHER (SET)



THIS SHEET	L586JA	L697JA					
RELATES TO							
SYMBOLS:-							









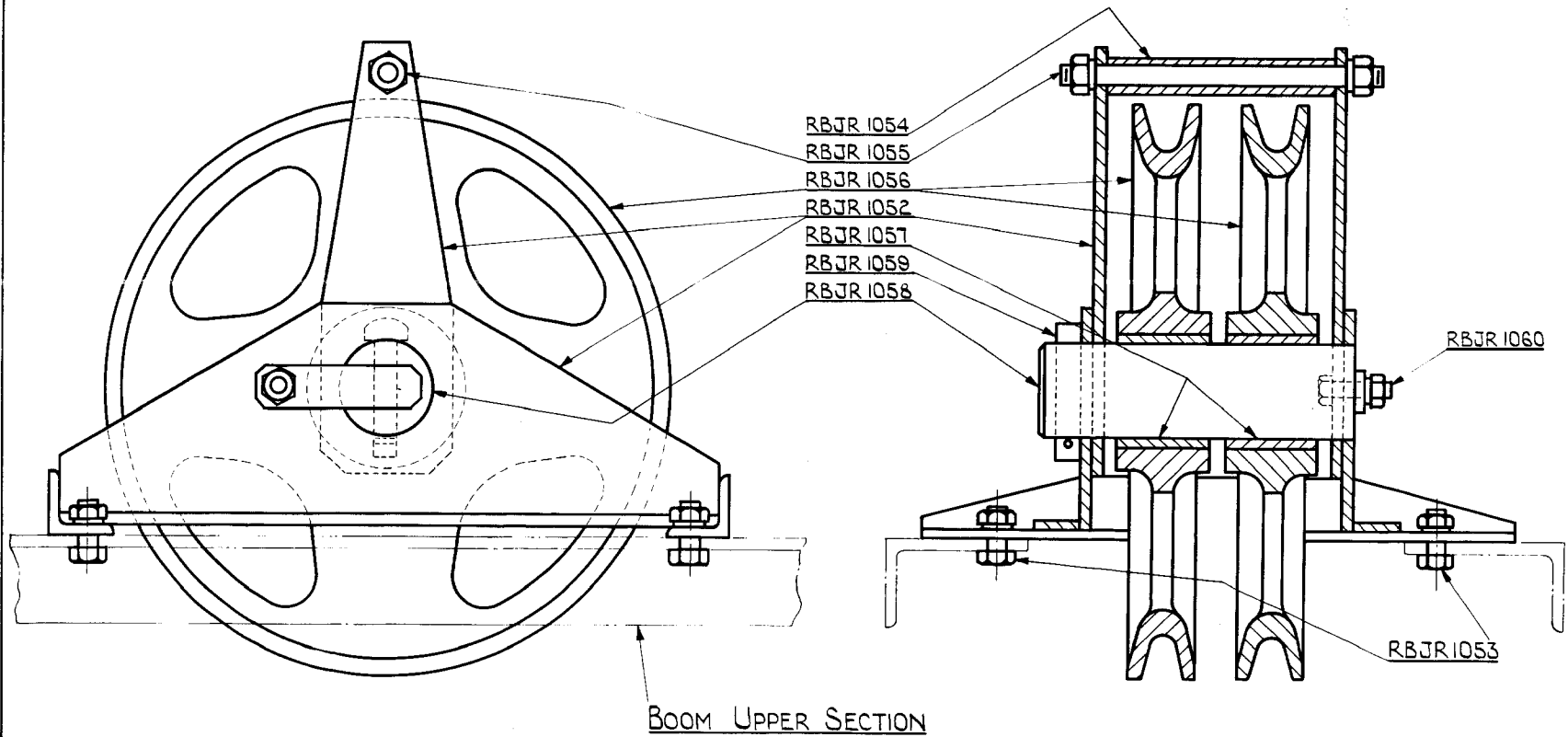






# 19&22RB CLAMSHELL - HOIST ROPE DEFLECTING SHEAVE

NUMBER	NAME
RBJR 1052	DEFLECTING SHEAVE BRACKET
RBJR 1053	BRACKET BOLTS (SET)
RBJR 1054	ROPE GUARD
RBJR 1055	ROPE GUARD BOLT
RBJR 1056	HOIST ROPE DEFLECTING SHEAVE (INCLUDES RBJR 1057)
RBJR 1057	DEFLECTING SHEAVE BUSHING
RBJR 1058	DEFLECTING SHEAVE PIN
RBJR 1059	DEFLECTING SHEAVE PIN LOCK
RBJR 1060	SHEAVE PIN LOCKING BOLT



THIS SHEET RELATES TO SYMBOLS:-	L745JR	L747JR	L798JR	L804JR	L907JR	L1035JR	L1245JR	L1246JR											
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20

REF. NO.	NAME OF PART	QTY. PER M/C.	3/8 CUB.YD.	1/2 CUB.YD.	5/8 CUB.YD.	3/4 CUB.YD.
1	BODY STRUCTURE	1	39T3572	39T3587	39T3593	40T19
2	ARCH	1	40R99	39S2234	39S2242	40S54
3	CAST LIP	1	222848-A	221323-AC	221879-AA	211231-A
4	CORNER CASTING-UPPER	1 R.H. 1 L.H.	41Y109-A1-B1	41Y109-A-B	41Y102-A-B	41Y105-A2-B2
4A	CORNER CASTING-CENTRE	1 R.H. 1 L.H.	41Y110-A-B	41Y110-A-B	41Y103-A-B	41Y106-A-B
4B	CORNER CASTING-LOWER	1 R.H. 1 L.H.	41Y104-A3-A4	41Y104-A5-A6	41Y104-A1-A2	41Y107-A1-A2
5	INSERTED TEETH	4	262273-1	AX9970-1	AX9970-1	260219-2
6	DRAG CLEVIS PLATE	2	197499-AA	281895-A	281901-A	262215-A
7	DRAG CLEVIS	2	197500-A	197613-A	197613-A	198316-A
8	PIN FOR DITTO	2	197526-1	38X9068-1	38X9068-1	281984-2
9	CHAIN RING	2	117153-B	117153-C	117153-C	117153-D
11	DRAG CHAIN	2	39S2225-51	39S2225-57	39S2225-58	39S2225-63
12	REPAIR LINK	4	119116-1	119116-1	119116-1	118731-1
14	DRAG ROPE SOCKET	1	A-262737	A-262737	A-262737	A-262737
15	HOIST TRUNNION	2	197498-A	197498-A	197498-A	119659-A
16	TRUNNION PIN	2	196328-14	196328-14	196328-14	196328-13
17	CHAIN RING	4	117153-A	117153-B	117153-B	117153-C
18	REPAIR LINK	8	195629-1	119116-1	119116-1	119116-1
19	HOIST CHAIN-UPPER	2	38S1741-132	38S1741-103	38S1741-103	38S1741-108
19A	HOIST CHAIN-LOWER	2	38S1741-131	38S1741-101	38S1741-102	38S1741-107
20	SPREADER	1	36AX7981-4	38AX9103-1	38AX9103-4	38AX9157-1
21	DUMP GUARD CLEVIS	1	198281-A	198281-A	198281-A	198281-A
22	PIN FOR DITTO	1	194484-1	194484-1	194484-1	194484-1

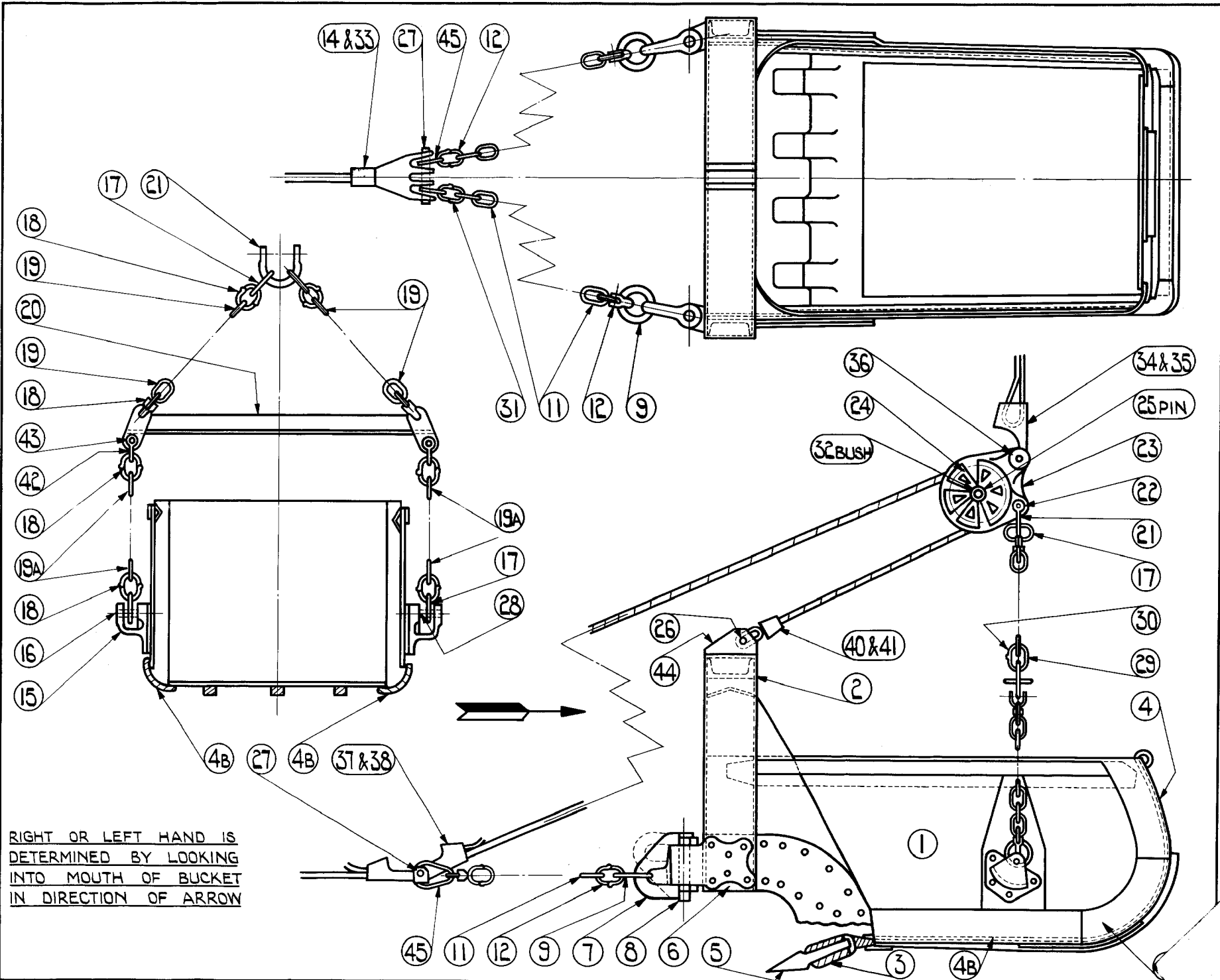
REF. NO.	NAME OF PART	QTY. PER M/C.	3/8 CUB.YD.	1/2 CUB.YD.	5/8 CUB.YD.	3/4 CUB.YD.
23	DUMP SHEAVE FRAME	1	99646-A	99646-A	99646-A	99646-A
24	SHEAVE	1	38Y3916-A	38Y3916-A	38Y3916-A	38Y3916-A
25	PIN FOR SHEAVE	1	38X9263-1	38X9263-1	38X9263-1	38X9263-1
26	ARCH PIN	1	38X9930-1	192737-3	192737-3	192737-3
27	DRAG SOCKET PIN	1	2-282678	2-282678	2-282678	2-282678
28	TRUNNION LINK SPOOL	2	194757-A	194757-A	194757-A	198311-AA
29	REPAIR LINK BOLT	4	198449-1	198449-2	198449-2	198449-2
30	REPAIR LINK PIN	16	197121-1	197121-2	197121-2	197121-2
31	REPAIR LINK PIN DRAG	8	197121-2	197121-2	197121-2	197121-3
32	BUSH FOR DUMP SHEAVE	1	194479-A	194479-A	194479-A	194479-A
33	WEDGE FOR DRAG SOCKET	1	S619D	S619D	S619D	S619D
34	HOIST ROPE SOCKET	1	S617C	S617C 1.9/32" DRILL	S617C 1 1/8" JAW OPENING	S617C
35	WEDGE FOR DITTO	1	S619C	S619C	S619C	S619C
36	PIN FOR SOCKET	1	36X7976	36X7976	36X7976	36X7976
37	TIPPING ROPE SOCKET	1	AB-262211	AB-262211	AB-262211	AB-262211
38	WEDGE FOR DITTO	1	S619B	S619B	S619B	S619B
40	TIPPING ROPE SOCKET	1	S617C	⊗ A-39AY4387	A-38AY4387	A-39AY4387
41	WEDGE FOR DITTO	1	S619B	S619B	S619B	S619B
42	SPREADER CLEVIS	2	NOT FITTED	NOT FITTED	NOT FITTED	38X9158-1
43	PIN FOR DITTO	2	NOT FITTED	NOT FITTED	NOT FITTED	38X9159-1
44	ANCHOR TO ARCH	1	40R99-5	39S2234-5	39S2242-5	40S54-5
45	DRAG CHAIN END LINK	2	40Y4467-A	39Y4468-A	39Y4468-A	39Y4469-A

⊗ 1.1/32" DRILL 15/16" JAW OPENING

IN ORDER TO ENSURE THAT CORRECT PARTS ARE DESPATCHED CUSTOMERS ARE REQUESTED TO QUOTE THE APPROPRIATE REFERENCE NUMBER FOR INDIVIDUAL PARTS.  
e.g. 1 - CAST LIP REF.3 FOR 5/8 CU.YD. A.X. BUCKET.

ALL ROPE SOCKETS SHOWN ABOVE ARE FOR USE WITH STANDARD 22-RB ROPES I.E. 5/8" HOIST, 3/4" DRAG AND 5/8" TIPPING.

# A X TYPE DRAGLINE BUCKETS



RIGHT OR LEFT HAND IS DETERMINED BY LOOKING INTO MOUTH OF BUCKET IN DIRECTION OF ARROW

**B. A. X. TYPE DRAGLINE BUCKETS.**

20

NUMBER	NAME	NUMBER	NAME
101	Dragline Bucket Complete	131	Trunnion Pin Locking Plate
102	Corner Wearing Shoe R.H.	132	Stop Pin
103	Corner Wearing Shoe L.H	133	Hoist Rope Socket (Includes 134)
104	Centre Wearing Shoe	134	Hoist Rope Socket Wedge
105	Bottom Wearing Bar	135	Hoist Rope Socket Pin
106	Lip Casting	136	Dump Sheave Frame
107	Inserted Tooth	137	Dump Sheave (Includes 138)
108	Shims for Tooth	138	Dump Sheave Bushing
109	Drag Clevis Casting	139	Dump Sheave Pin
110	Drag Clevis	140	Dump Guard Clevis
111	Drag Clevis Pin	141	Dump Guard Clevis Pin
112	Cotter Pin	142	Tipping Rope Socket (Includes 143)
113	Drag Chain	143	Tipping Rope Socket Wedge
114	Drag Chain Ring	144	Tipping Rope Socket Pin
115	Drag Chain Half Repair Link	145	Tipping Rope Socket Pin Bushing
116	Repair Link Pin	146	Tipping Rope Socket (Includes 147)
117	Drag Chain End Link	147	Tipping Rope Socket Wedge
118	Drag Rope Socket (Includes 119)	148	Hoist Trunnion Casting R.H.
119	Drag Rope Socket Wedge	149	Hoist Trunnion Casting L.H.
120	Drag Rope Socket Pin	150	Drag Clevis Shackle
121	Hoist Chain - Upper	151	Drag Clevis Shackle Pin
122	Hoist Chain - Lower	152	Hoist Chain Assembly
123	Hoist Chain Ring	153	Drag Chain Assembly
124	Hoist Chain Half Repair Link		
125	Repair Link Pin		
126	Hoist Chain Spreader		
127	Spreader Clevis		
128	Spreader Clevis Pin		
129	Trunnion Link		
130	Trunnion Pin		





# PRIESTMAN STANDARD DOUBLE ROPE GRAB

IT IS RECOMMENDED THAT SPARES BE ORDERED DIRECT FROM PRIESTMAN BROS. LTD., HOLDERNESS ENGINEERING WORKS, HULL.

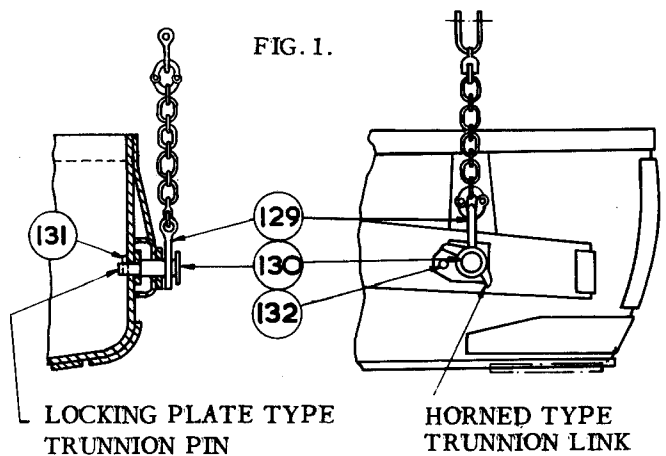
TELEPHONE :- HULL 31777.

TELEGRAMS :- PRIESTMAN, HULL.

ITEM N <sup>o</sup>	DESCRIPTION OF PART	ITEM N <sup>o</sup>	DESCRIPTION OF PART
1	BELLMOUTH	21	DISTANCE PIECE - TOP SHEAVE PIN
2	ROPE SOCKET - ANCHOR	22	TOP PLATE
3	ROPE WEDGE - ANCHOR	23	TOP PLATE - SMALL
4	PIN - ROPE ANCHOR	24	TOP PLATE - BELLMOUTH SIDE
5	LINK - ROPE ANCHOR	25	ANCHOR LINK - 4 STRANDS REEVING
6	JAWBOLT	26	DISTANCE PIECE - TOP SHEAVE PIN - 3 STRANDS REEVING
7	CROSS BAR	27	ANCHOR - 3 STRANDS REEVING
8	TOP SHAFT	28	CENTRE GIRDER FRAME
9	DISTANCE PIECE TOP SHAFT	29	PIN - BOTTOM SHEAVE
10	WASHERS - TOP SHAFT	30	DISTANCE PIECE - BOTTOM SHEAVE PIN
11	COLLARS - TOP SHAFT	31	HINGE PIN
12	DISTANCE PIECE - BELLMOUTH SIDE TOP SHAFT	32	BUSH - HINGE PIN BOSS
13	GUIDE SHEAVE	33	HINGE PLATE - 1: 2: 3 OR 4
14	BUSH - GUIDE SHEAVE	34	OPENING LEVER WITH ANGLE 1: 2: 3 OR 4
15	PIN - GUIDE SHEAVE	35	OPENING LEVERS 2 & 3 WITH ANGLE AND BRACING
16	DISTANCE PIECE - GUIDE SHEAVE PIN	36	OPENING LEVERS 4 & 1 WITH ANGLE AND BRACING
17	ROPE SHEAVE	37	LINK - BRIDLE GEAR
18	BUSH - ROPE SHEAVE	38	PIN - LEVER BOTTOM
19	PIN - TOP SHEAVE	39	TOOTH
20	ROPE GUARD - TOP SHEAVE	40	LIP PLATE
		41	SHELL - COMPLETE

WHEN ORDERING SPARE PARTS PLEASE QUOTE GRAB NUMBER

# B.A.X. HOIST TRUNNION BRACKETS, LINKS & PINS



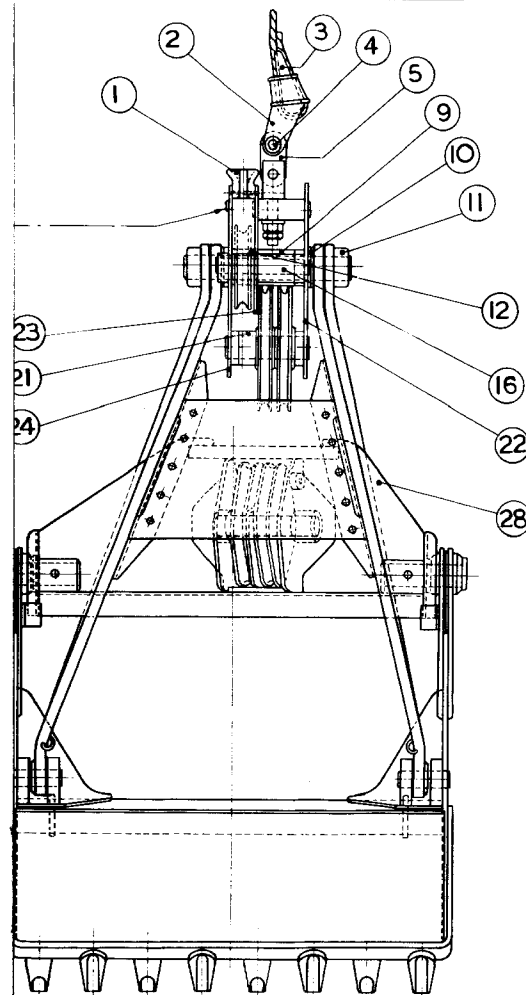
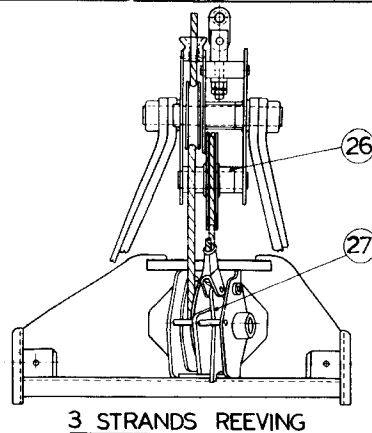
WHEN C  
OR HING  
NUMBER

SPLIT PIN TYPE TRUNNION PIN

PLAIN TYPE TRUNNION LINK

FIG. 2.

CAST STEEL HOIST TRUNNION BRACKETS MAY HAVE BEEN WELDED TO SOME BUCKETS SINCE THEIR DISPATCH FROM THE WORKS AND HAVE DIFFERENT LINKS AND PINS FITTED IF YOUR BUCKET WAS AS SHOWN IN FIG. 1. AND IS NOW AS IN FIG. 2. MAKE SURE YOU GET THE RIGHT LINKS AND PINS BY DESCRIBING THEM AS ABOVE.



DRAWN B.A.  
PASSED C.E.  
DATE 1952

P.5952/1





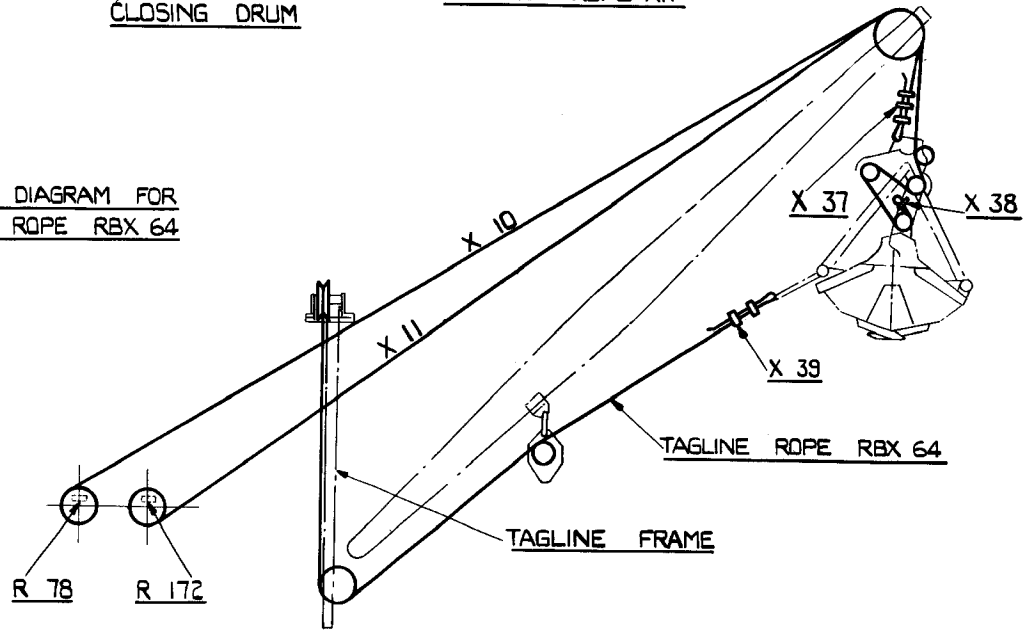
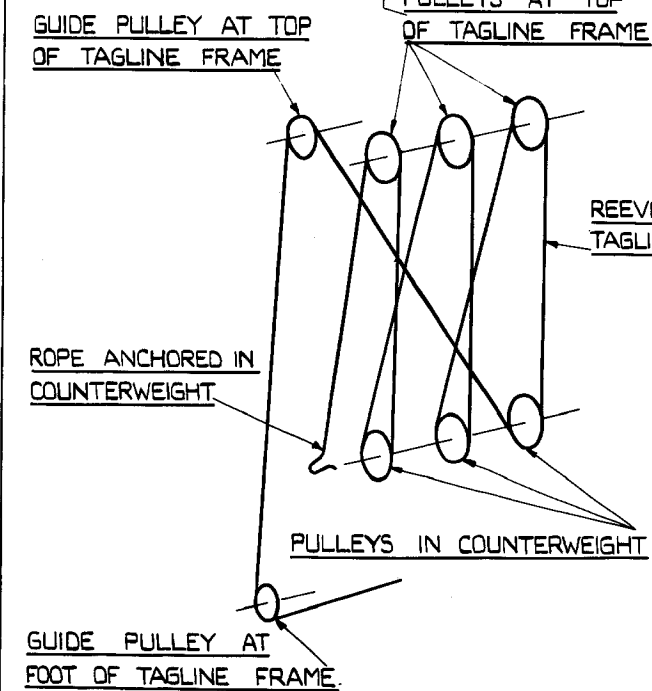
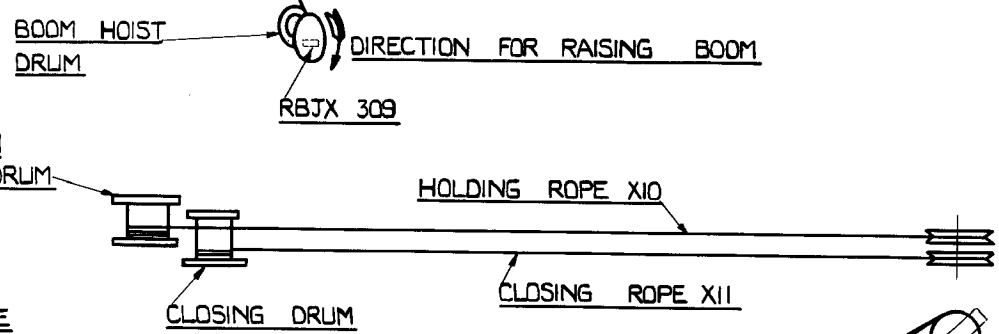
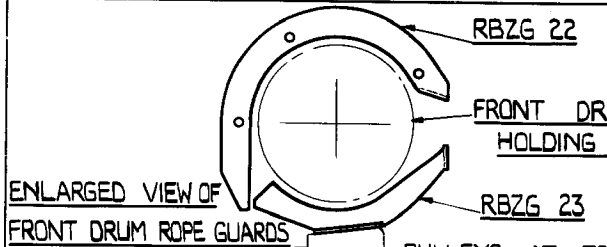
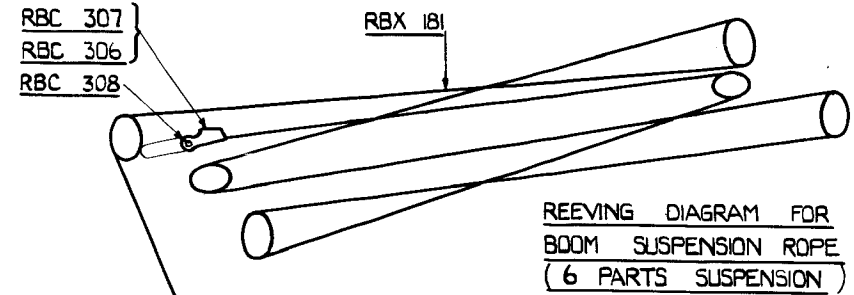








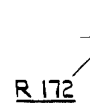
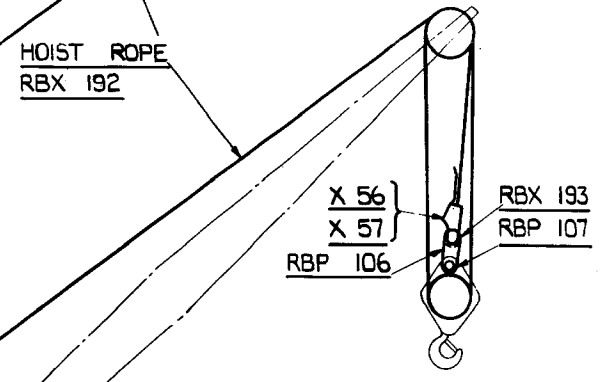
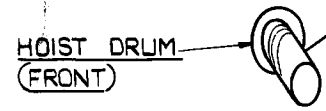
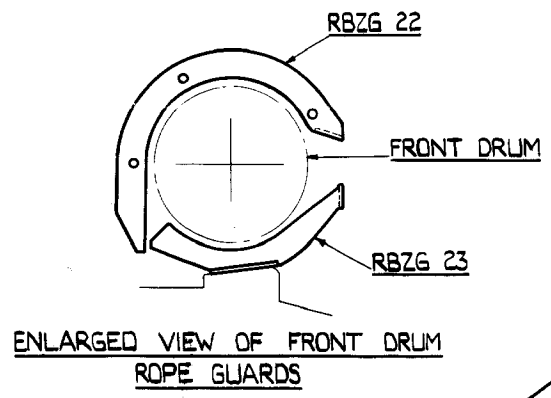
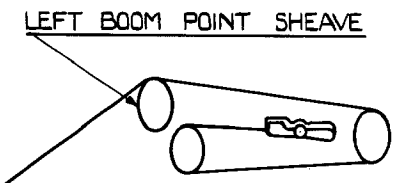
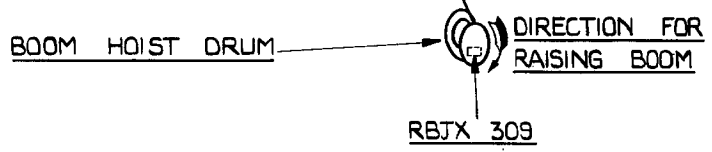
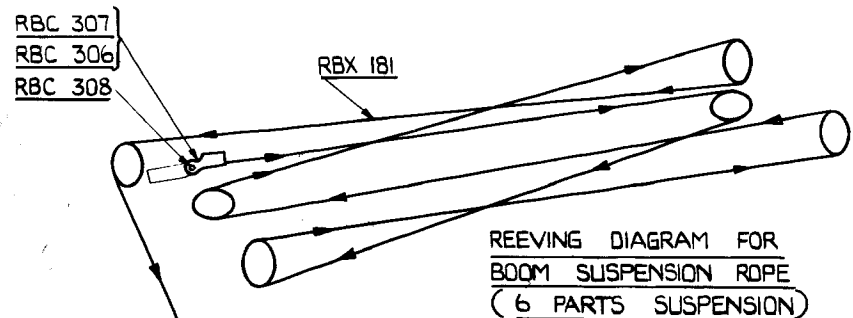
NUMBER	NAME
RBC 306	SUSPENSION ROPE SOCKET (INCLUDES RBC 307)
RBC 307	ROPE SOCKET WEDGE
RBC 308	BOOM SOCKET PIN
RBX 309	BOOM HOIST DRUM ROPE ANCHOR WEDGE
R 78	REAR DRUM ROPE ANCHOR WEDGE
R 172	FRONT DRUM ROPE ANCHOR WEDGE
X 10	HOLDING ROPE
X 11	CLOSING ROPE
X 37	HOLDING ROPE CLIP
X 38	CLOSING ROPE CLIP
X 39	TAGLINE ROPE CLIP
RBX 64	TAGLINE ROPE
RBX 181	BOOM SUSPENSION ROPE
RBZG 22	FRONT DRUM UPPER ROPE GUARD
RBZG 23	FRONT DRUM LOWER ROPE GUARD



THIS SHEET	L 355X	L 459X	L 473X	L 480X															
RELATES TO																			
SYMBOLS																			



NUMBER	NAME	
RBC 306	SUSPENSION ROPE	ROPE SOCKET (INCLUDES RBC 307)
RBC 307	ROPE SOCKET	WEDGE
RBJX 309	BOOM HOIST DRUM	ROPE ANCHOR WEDGE
RBP 106	HOIST ROPE	ANCHOR LINK
RBP 107	HOIST ROPE	ANCHOR LINK PIN
R 172	FRONT DRUM	ROPE ANCHOR WEDGE
X 56	HOIST ROPE	ROPE SOCKET (INCLUDES X 57)
X 57	HOIST ROPE	ROPE SOCKET WEDGE
RBX 181	BOOM SUSPENSION ROPE	
RBX 192	HOIST ROPE	
RBX 193	HOIST ROPE	ROPE SOCKET PIN
RBC 308	ROPE SOCKET	PIN
RBZG 22	FRONT DRUM	LIPPER ROPE GUARD
RBZG 23	FRONT DRUM	LOWER ROPE GUARD



THIS SHEET RELATES TO SYMBOLS	L459X	L473X	L480X	L496X															
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**FAIRLEAD**

19/22 RB

20

NUMBER	NAME	QUAN.	NUMBER	NAME	QUAN.
RBXA204	Fairlead Complete	1			
RBXA205	Fairlead Frame	1			
RBXA206	Frame Support Bracket	1			
RBXA207	Support Bracket Pin	1			
RBXA208	Pitch Adjusting Bolt	1			
RBXA209	Adjusting Bolt Washers	4			
x RBXA210	Fairlead Support Pin	2			
x RBXA211	Support Pin Lock	2			
x RBXA212	Support Pin Washers	2			
RBXA213	Fairlead Frame Roller Bearing	2			
RBXA214	Bearing Shims (Set)	8			
RBXA215	Bearing Cover	1			
RBXA216	Bearing Cover Setscrews	4			
RBXA217	Fairlead Sheave	2			
RBXA218	Fairlead Sheave Pin	2			
RBXA222	Fairlead Guide Plate	2			
RBXA223	Guide Plate Setscrews	2			
RBXA224	Guide Plate Bolt	2			
RBXA278	Sheave Pin Retaining Setscrews	8			
RBXA279	Sheave Pin Spacer	2			
RBXA280	Sheave Pin Retainer	2			
RBXA281	Sheave Pin Retainer Setscrews	4			
RBXA282	Fairlead Sheave Flange	2			
RBXA283	Sheave Flange Setscrews	8			
RBXA284	Fairlead Sheave Bearing	4			
RBXA285	Sheave Bearing Spacer	2			
RBXA373	Fairlead Support Pin Spacer	2			
RBXA381	Fairlead Guide Plate Setscrews	4			
RBXA382	Guide Plate Spacer	2			

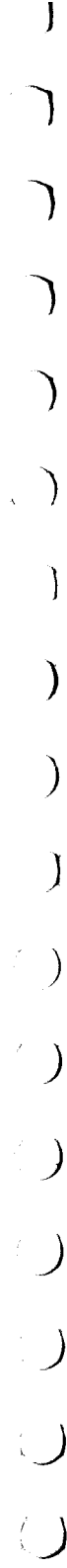
THIS SHEET RELATES TO SYMBOLS:- L199XA









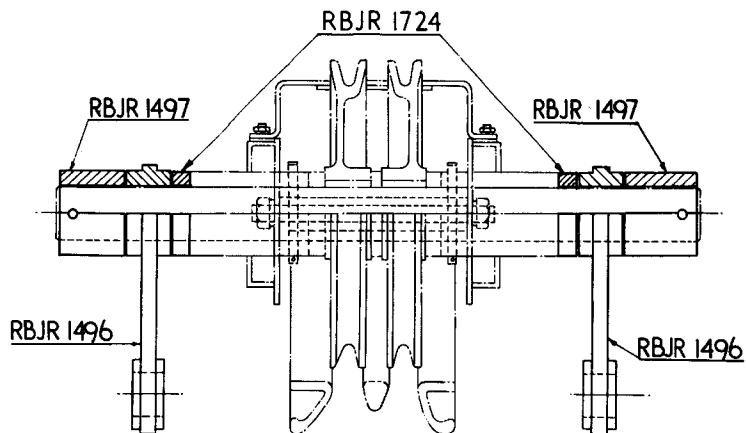


# HEAVY DUTY CRANE BOOM 19 & 22RB MACHINERY PENDANT SUSPENSION.

20A

THIS PAGE SHOULD ONLY BE USED WHEN CONVERTING HEAVY DUTY CRANES WITH CONTINUOUS SUSPENSION TO PENDANT SUSPENSION.

PROCEED AS SET OUT BELOW.



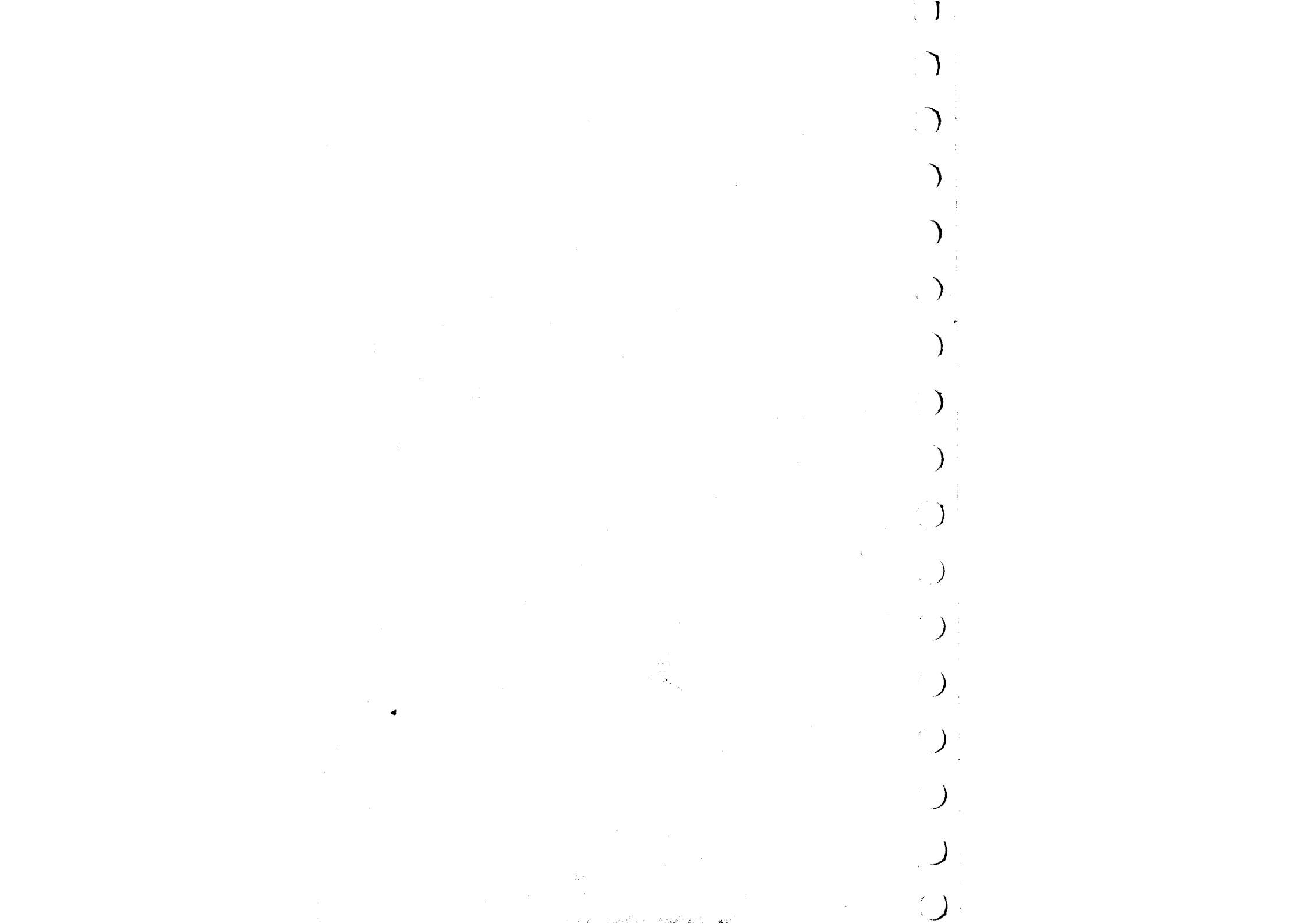
REMOVE OUTER SUSPENSION SHEAVE RBJR 829 WITH BUSHING RBJR 830. INNER SUSPENSION SHEAVE RBJR 1359 WITH BUSHING RBJR 1360 FROM BOTH ENDS OF BOOM POINT PIN. ALSO RIGHT AND LEFT HAND SUSPENSION SHEAVE GUARDS RBJR 1361 & RBJR 1362.

FIT PENDANT ROPE LINKS RBJR 1496 COLLARS RBJR 1497. AND SPACERS RBJR 1724

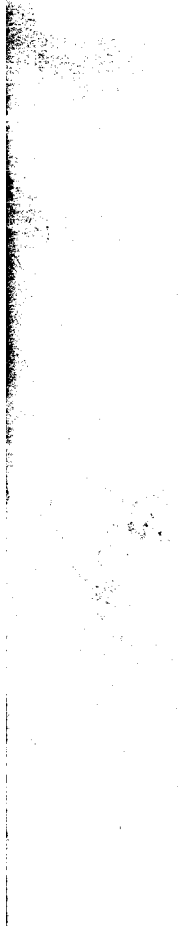
NUMBER	NAME	QUAN PER M/C
RBJR 1496	PENDANT ROPE LINK	2
RBJR 1497	BOOM POINT PIN COLLAR	2
RBJR 1724	BOOM POINT SPACER	2

ALL OTHER DETAILS ON BOOM POINT PIN ARE AS LISTED FOR 8 PARTS CONTINUOUS SUSPENSION.

THIS SHEET	L1012JR						
RELATES TO							
SYMBOLS:							













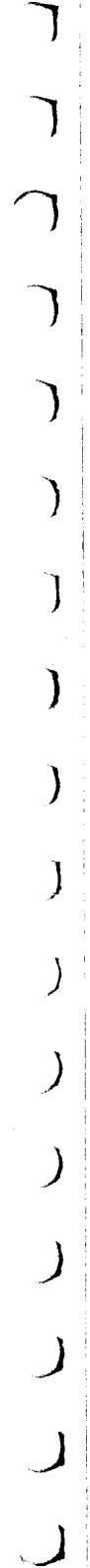










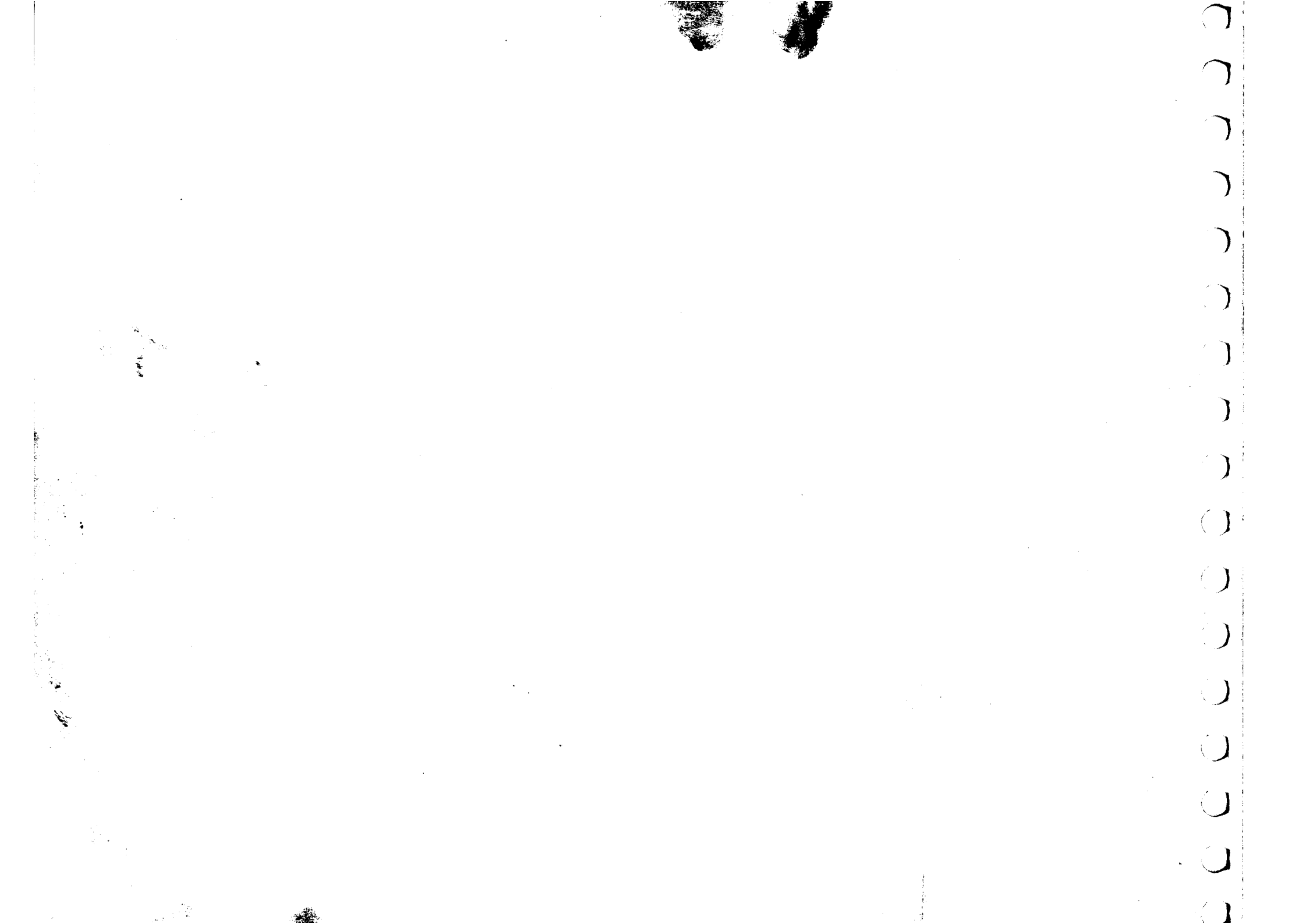












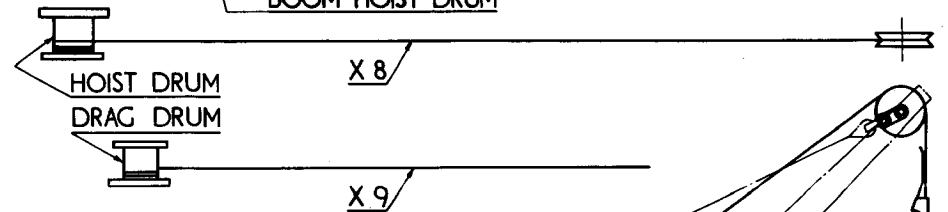
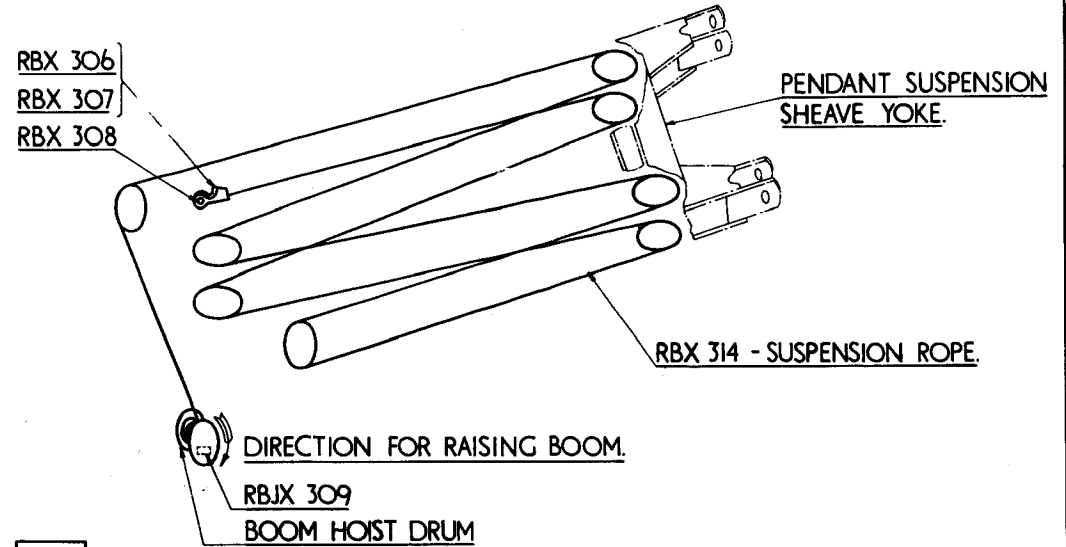




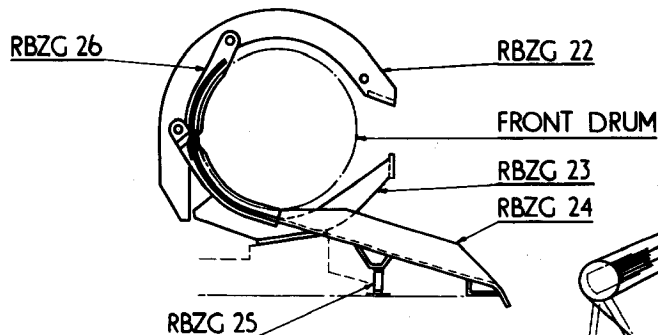
# 22RB

# DRAGLINE ROPES-PENDANT SUSPENSION-HEAVY DUTY BOOM.

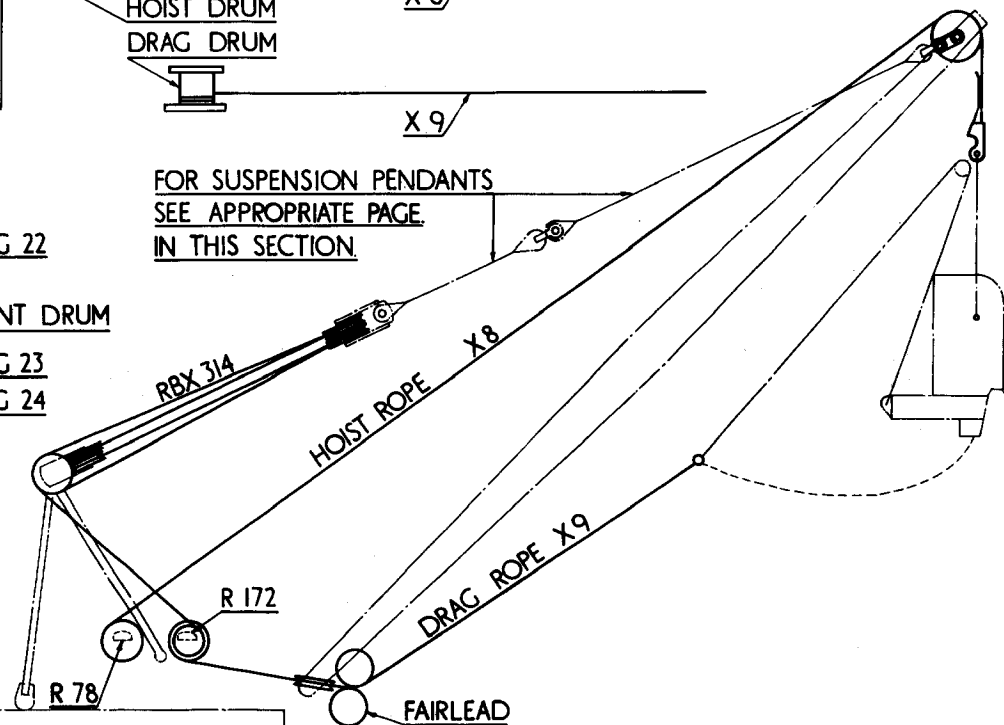
NUMBER	NAME	QUAN. PER M/C
RBC 306	SUSPENSION ROPE SOCKET (INCLUDES RBC 307)	1
RBC 307	ROPE SOCKET WEDGE	1
RBC 308	ROPE SOCKET PIN	1
RBX 309	BOOM HOIST DRUM ROPE ANCHOR WEDGE	1
R 78	REAR DRUM ROPE ANCHOR WEDGE	1
R 172	FRONT DRUM ROPE ANCHOR WEDGE	1
X 8	HOIST ROPE	1
X 9	DRAG ROPE	1
RBX 314	SUSPENSION ROPE	1
RBZG 22	FRONT DRUM UPPER ROPE GUARD	1
RBZG 23	FRONT DRUM LOWER ROPE GUARD	1
RBZG 24	MUD GUARD	1
RBZG 25	MUD GUARD SUPPORT	1
RBZG 26	MUD GUARD EXTENSION	1



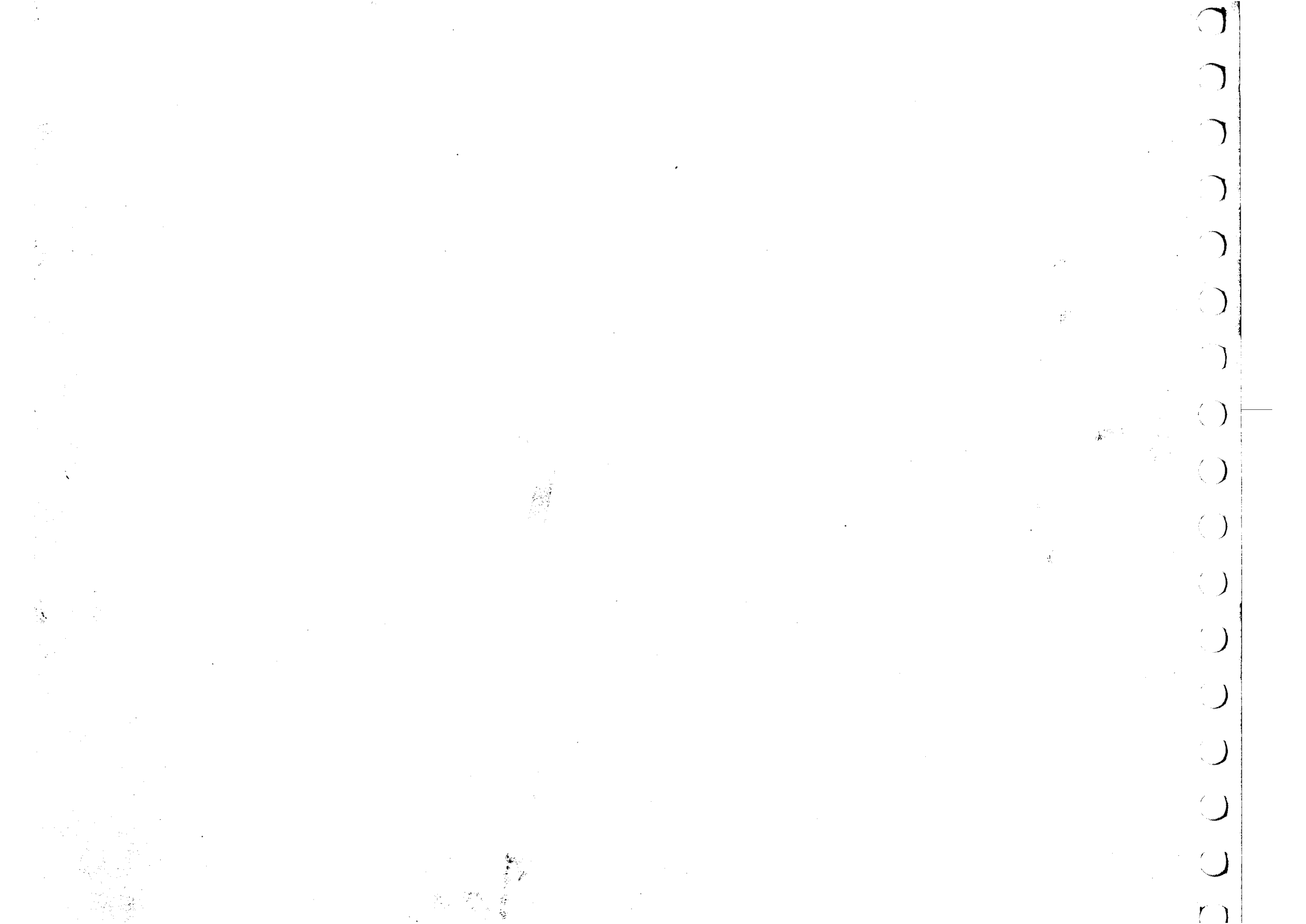
FOR SUSPENSION PENDANTS  
SEE APPROPRIATE PAGE  
IN THIS SECTION.



ENLARGED VIEW OF FRONT DRUM  
ROPE AND MUD GUARDS.

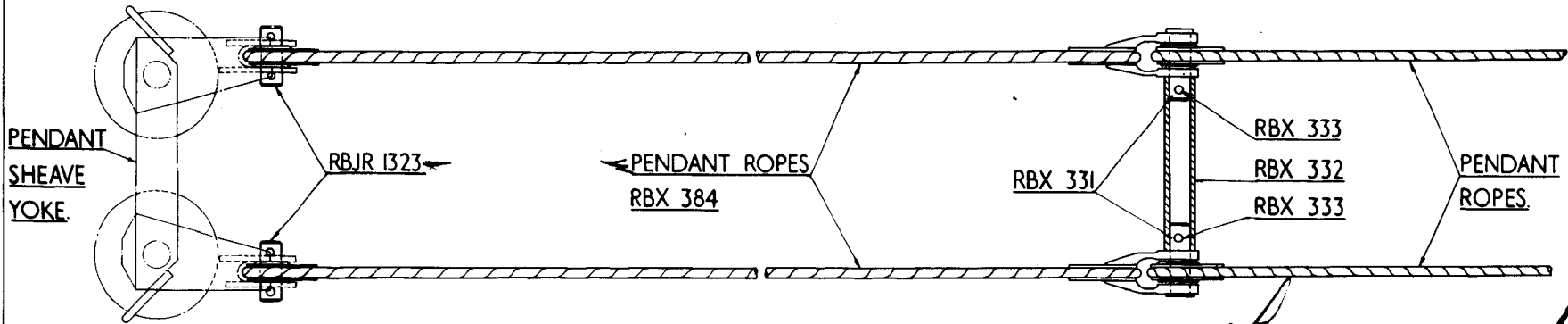


THIS SHEET																			
RELATES TO																			
SYMBOLS -																			



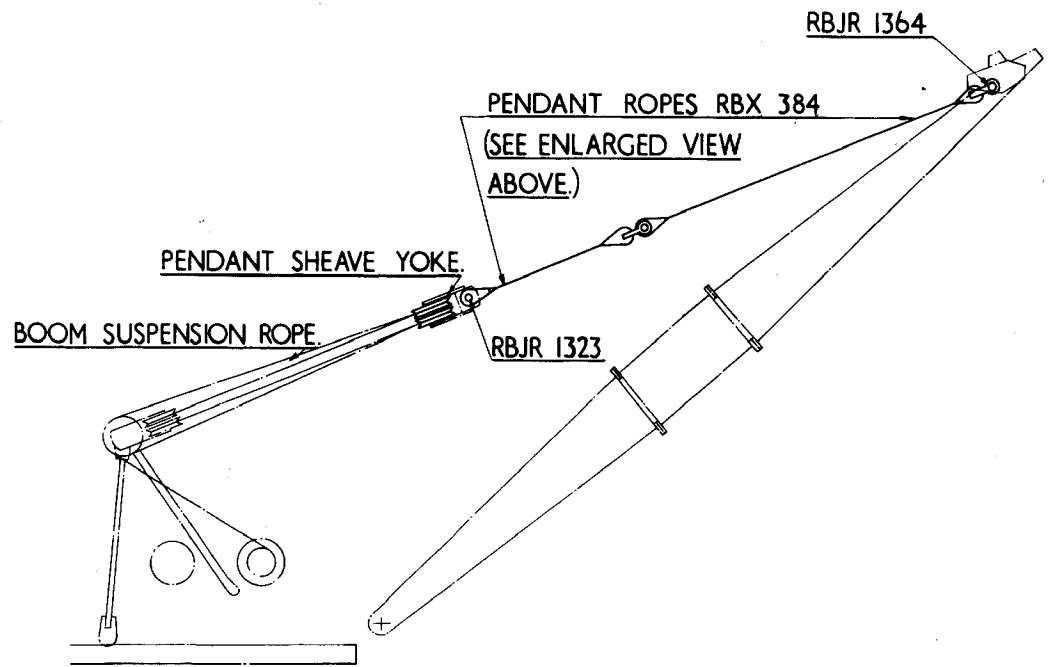
(T. Wilson)

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*24 ft 10 1/2"*

*£135 = each*



NUMBER.	NAME	QUAN. PER M/C.
RBJR 1323	YOKE PENDANT ROPE ANCHOR PIN.	2
RBJR 1364	PENDANT ROPE ANCHOR PIN.	2
RBX 331	PENDANT ROPE CONNECTING PINS.	THESE QUAN'S VARY WITH LENGTH OF BOOM.
RBX 332	PENDANT ROPE SPACER.	
RBX 333	LOCKING BOLT.	
RBX 384	PENDANT ROPES.	
NOTE:-PENDANT ROPES ARE ALWAYS SUPPLIED IN MATCHED PAIRS WHICH INCLUDES FITTINGS AT BOTH ENDS. WHEN ORDERING THE LENGTH REQ'D MUST ALWAYS BE STATED.		

THIS SHEET RELATES TO SYMBOLS	L607X	L608X	L609X	L610X	L654X	L655X	L704X	L712X	L713X	L714X	L715X	L726X						
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132-4







