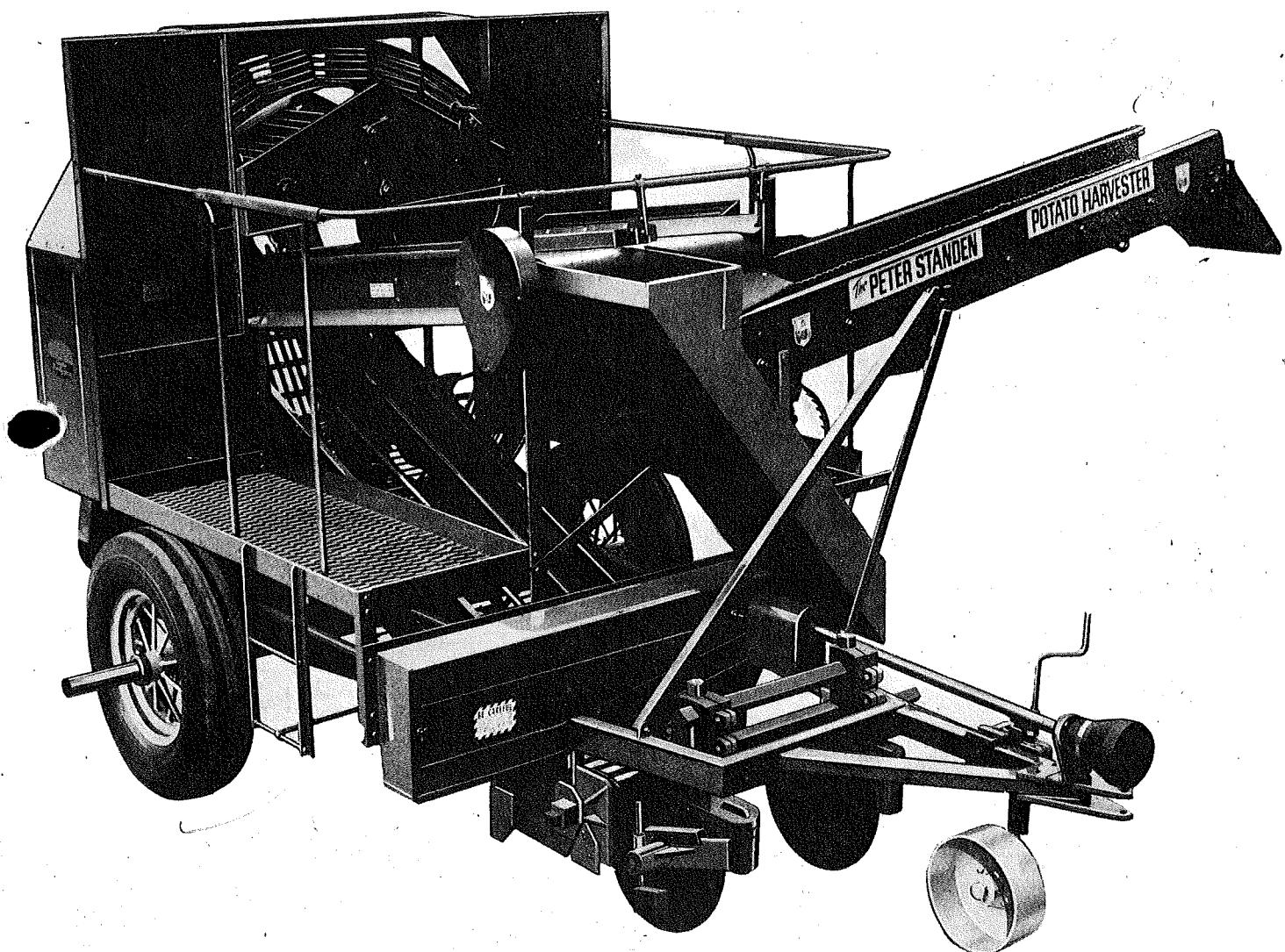


THE STANDEN  
HEREWARD  
**POTATO HARVESTER**

**INSTRUCTION MANUAL  
AND SPARE PARTS LIST**

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# THE STANDEN HEREWARD POTATO HARVESTER

## ATTACHMENT AVAILABLE FOR ONION LIFTING

F. A. STANDEN & SONS  
(Engineering) LTD.



Manufacturers of  
Hereward Products

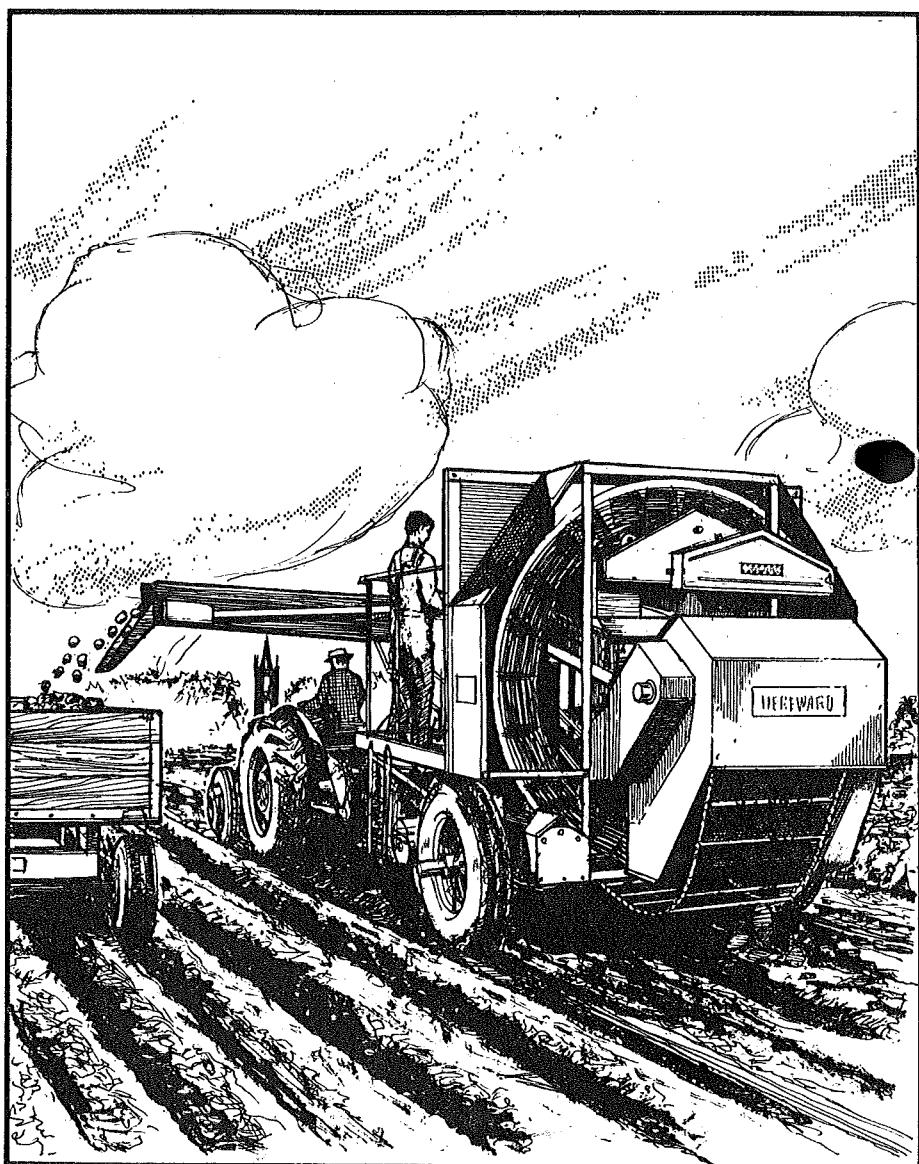
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*(Manufacturing Division)*

Hereward Works, Station Road,  
Ely, Cambs., England

Phones: Ely 2271/2/3

Cables: Standen, Engineer, Ely, Cambs.



# ILLUSTRATED FITTING, OPERATING & MAINTENANCE INSTRUCTIONS AND SPARE PARTS LIST

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## INTRODUCTION

This booklet gives the basic fitting, running and setting instructions necessary to ensure satisfactory operation of The Standen HEReward Potato Harvester. When studied carefully they should enable the operator to set, adjust and operate the harvester successfully.

The settings and adjustments, although simple, may have to be made singly or in combination according to circumstances and conditions at the time of harvesting.

These instructions cannot cover all the contingencies which may be met during the potato harvesting season. These can only be learnt from practical experience in the field. However, any agricultural worker with practical mechanical experience will readily master the HEReward.

### SAFETY PRECAUTIONS

UNDER NO CIRCUMSTANCES SHOULD ADJUSTMENTS TO ANY PART OF THE MACHINE BE MADE UNLESS THE TRACTOR POWER DRIVE IS DISENGAGED — ALL CHAIN GUARDS AND SHAFT GUARDS MUST BE REPLACED IMMEDIATELY AFTER ADJUSTMENTS HAVE BEEN COMPLETED.

# OPERATING INSTRUCTIONS

## TRACTOR SETTING

Adjust wheels to suit row width.

## FITTING TRACTOR TO HARVESTER

Couple up linkage draw-bar. Offer up P.T.O. shaft with the male and female halves along side each other. Raise and lower Harvester and ensure that the P.T.O. shaft is within the correct lengths.

**For Example.** Not bottoming or less than 4" overlap in fully extended position. Adjustment is made by cutting if necessary surplus P.T.O. Male and Female shafts. (FIG. 1).

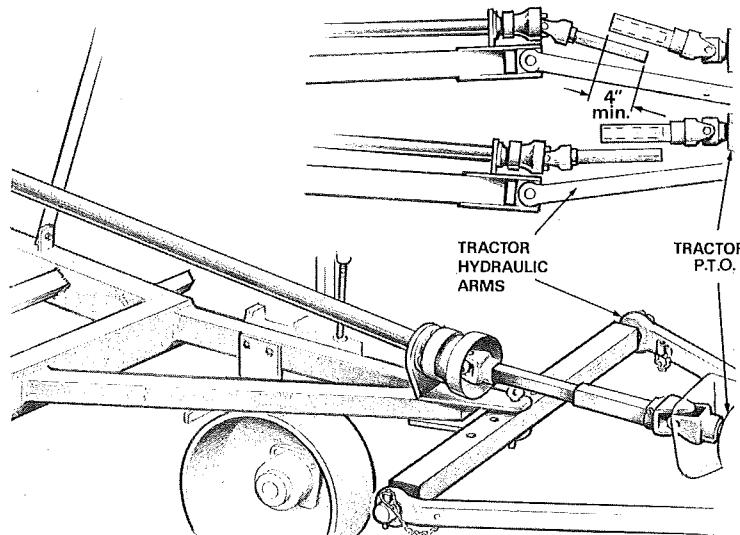


Fig. 1

## DEPTH ADJUSTMENT

The front wheel or wheels of the Harvester regulate the depth of the share and should be adjusted to take the minimum of soil from under the crop lifted. In wet and soft ground conditions the tractor driver can carry the Harvester on the tractor hydraulic lift, using the depth wheel as a guide only, and at the same time maximum weight transfer is obtained.

## SHARES

The standard three piece digger share is set with just enough keeness to penetrate without sucking in and causing unnecessary sinkage of the depth wheel. One piece shares are optional.

## DISC COULTERS

Should be set as near the crop as possible and just deep enough to cut the trash. Care must be taken to see that they run in line after adjustment.

## MAIN DIGGER WEB

The 'Hereward' is normally fitted with a steel link web, and adjustment for length is made by adding or taking away extra links. Do not allow the web to become too slack so that the underside runs in the soil.

Details of the continental type web are available on request. **Do not overtighten** slip clutch.

## OSCILLATING AGITATORS

The tines of which can be removed or added to suit conditions and ensure maximum separation without damage to crop. The rubber tubes on the tines can be reversed when they show signs of wear. The length of stroke of the tines can be adjusted on the slot of the crank wheel. For heavy soil conditions the maximum stroke is required and vice-versa. The hardwood bearing blocks should be greased daily and the tines checked for tightness. (FIG. 2).

## HAULM REMOVER

The haulm remover is of the rod and chain type. The potatoes are removed from the haulm by two driven and spring loaded rollers. These rollers are adjustable for tension and must be set to suit the prevailing conditions. (FIG. 3).

**Care must be taken not to overtighten the slip clutch.**

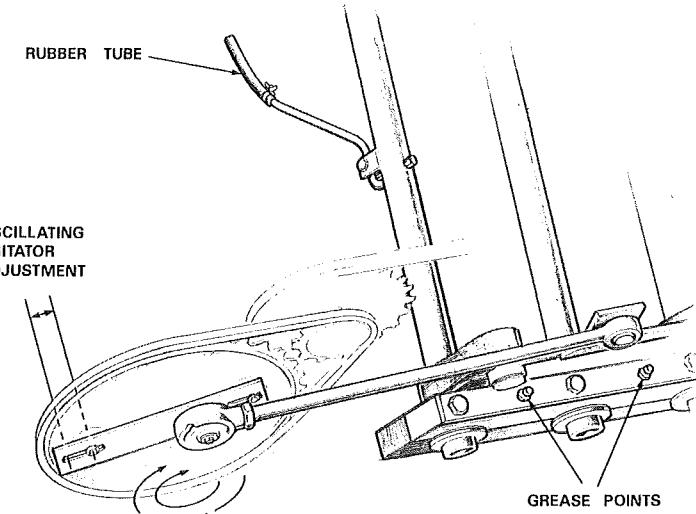


Fig. 2

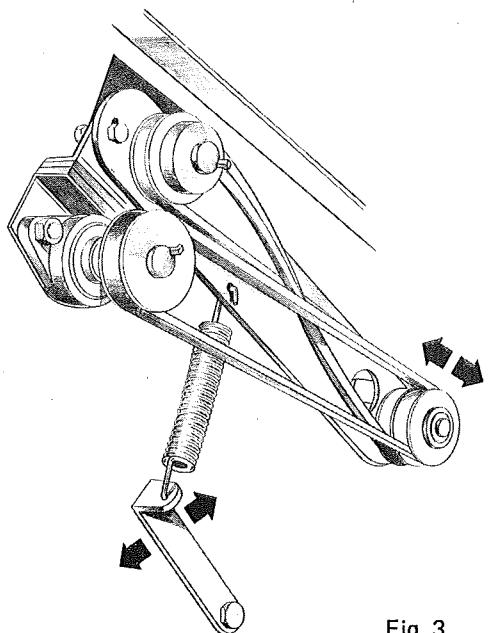


Fig. 3

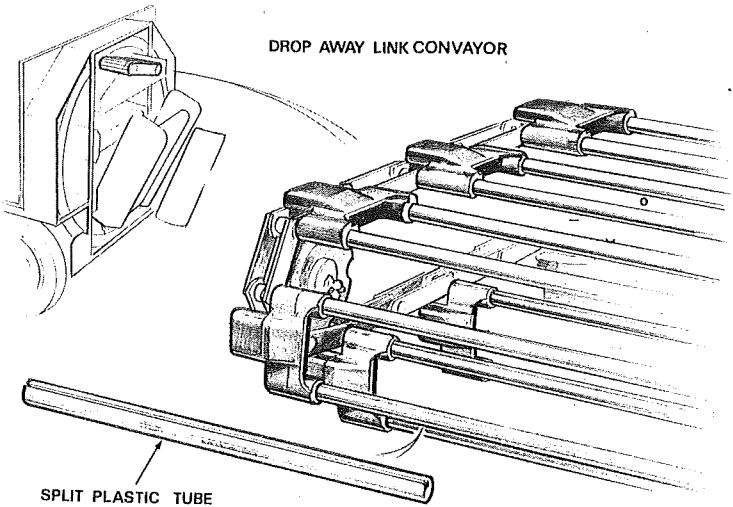


Fig. 4

## CAGE WHEEL

Generally no maintenance is required — but care must be taken to ensure that the drive channel is completely dry before commencement of work or wheel slip may occur.

## DROP AWAY LINK

This allows soil to run through on to the soil side of the sorting table. The spacings between the bars can be adjusted by fitting split plastic tube of varying thicknesses over the existing bars to suit your crop and soil conditions. (FIG. 4).

## SOIL RETURN CONVEYOR

This can be angled on the move to obtain maximum separation. The endless rubber belt must be tightened evenly at each adjuster to ensure it runs square on its rollers and watched carefully and in early stages until it gets bedded on the rollers, otherwise chafing of the edge of the belt may occur.

## SORTING CONVEYOR BELT

Care must be taken to adjust this belt evenly and the tractor driver can visually check from his position that it is running square on the front roller.

## DISCHARGE ELEVATOR

Web links must be kept adjusted up and free from excessive slack chain at the under side of the drive end.

## THREE FRICTION CLUTCHES

Three friction clutches are provided, situated in

- 1 Main Web drive
- 2 Drop away link elevator drive
- 3 Haulm extractor drive

These must be correctly adjusted to prevent damage to the machine when meeting obstructions. It is therefore vitally important that they are not over-tightened.

## LUBRICATION

Regular lubrication prolongs the harvester's life but be careful not to over grease the sealed-type bearings.

Special attention should be paid to bearings in physical contact with the soil.

**DAILY** grease the harvester rear wheels, depth wheel, disc coulters, oscillating agitators and universal drive couplings.

**WEEKLY** one or two strokes with the grease gun is sufficient for all sealed type bearings.

## REMEMBER

Always keep the harvester moving at a suitable speed for existing soil conditions.

Make adjustments at the end of the row and allow the harvester to settle in its new settings before readjusting.

Disengage P.T.O. when turning at the headland.

Never reverse unless the harvester is in the "Raised" position.

At the beginning of the season check all bolts for tightness before and after the first day's work.

Check tyre pressures daily. 40 lbs. P.S.I.

Check all nuts and studs.

Always use genuine Standen spare parts.

Always quote the Part Number and Description when ordering spare parts.

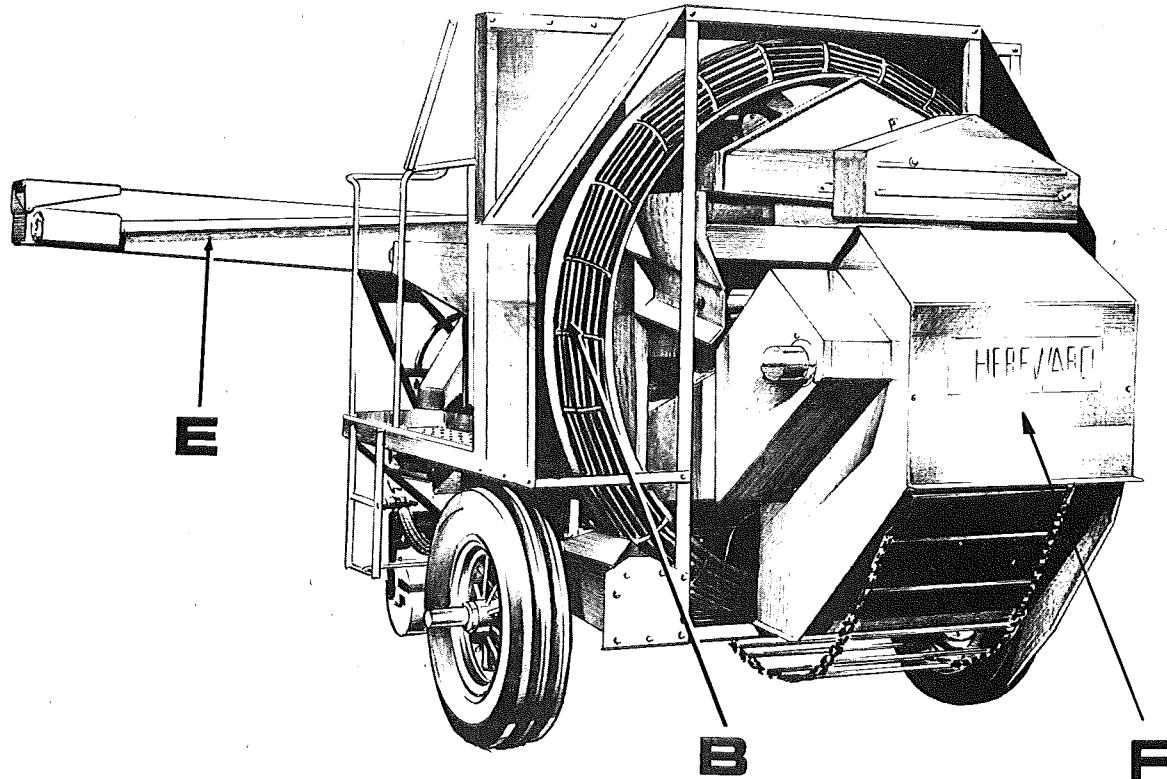
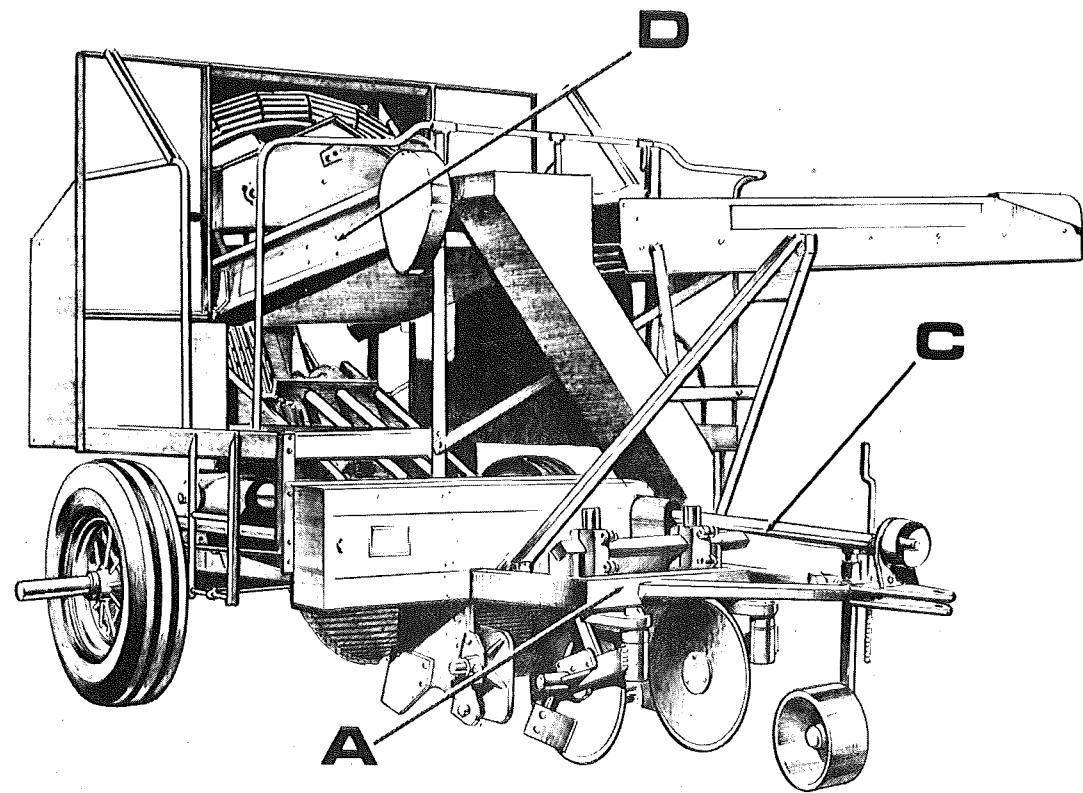
## SPECIFICATION

TYRES	8.25 x 20 – 6 ply FLOTATION (40 P.S.I.)
HEIGHT	8 ft. 4½ in. (2.55 metres)
WIDTH	9 ft. 1 in. (2.77 metres) (Without discharge elevator or bagging platform)
LENGTH	16 ft. 2½ in. (4.94 metres)

## SAFETY PRECAUTIONS

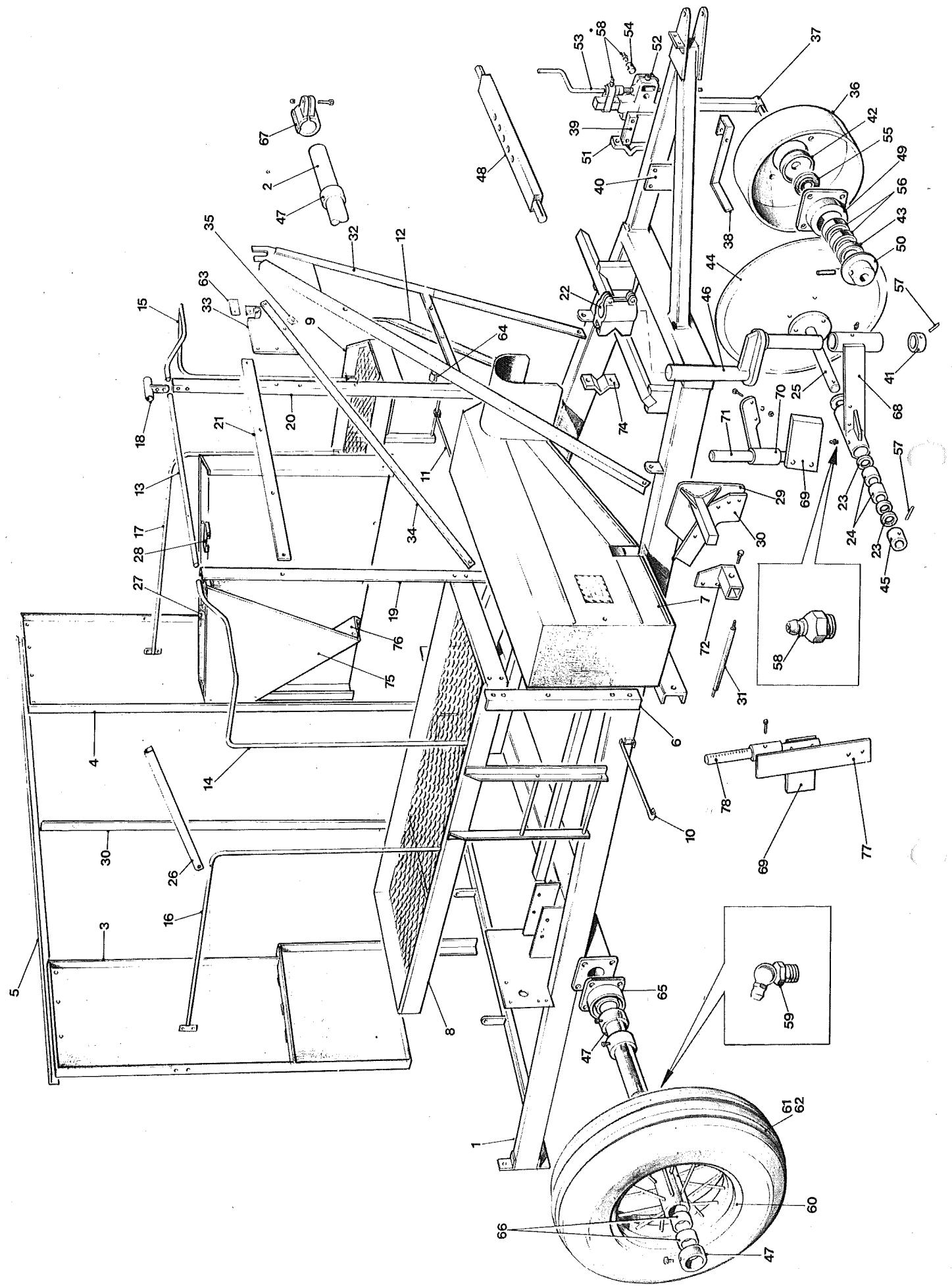
UNDER NO CIRCUMSTANCES SHOULD ADJUSTMENTS TO ANY PART OF THE MACHINE BE MADE UNLESS THE TRACTOR POWER DRIVE IS DISENGAGED – ALL CHAIN GUARDS AND SHAFT GUARDS MUST BE REPLACED IMMEDIATELY AFTER ADJUSTMENTS HAVE BEEN COMPLETED. ANY WORN OR BROKEN GUARDS SHOULD BE REPLACED IMMEDIATELY – ESPECIALLY THE TRACTOR P.T.O. SHAFT GUARD TUBE. DO NOT ALLOW CHILDREN ON OR NEAR THE MACHINE AT ANY TIME.

# ILLUSTRATED SPARE PARTS LIST



## SAFETY PRECAUTIONS

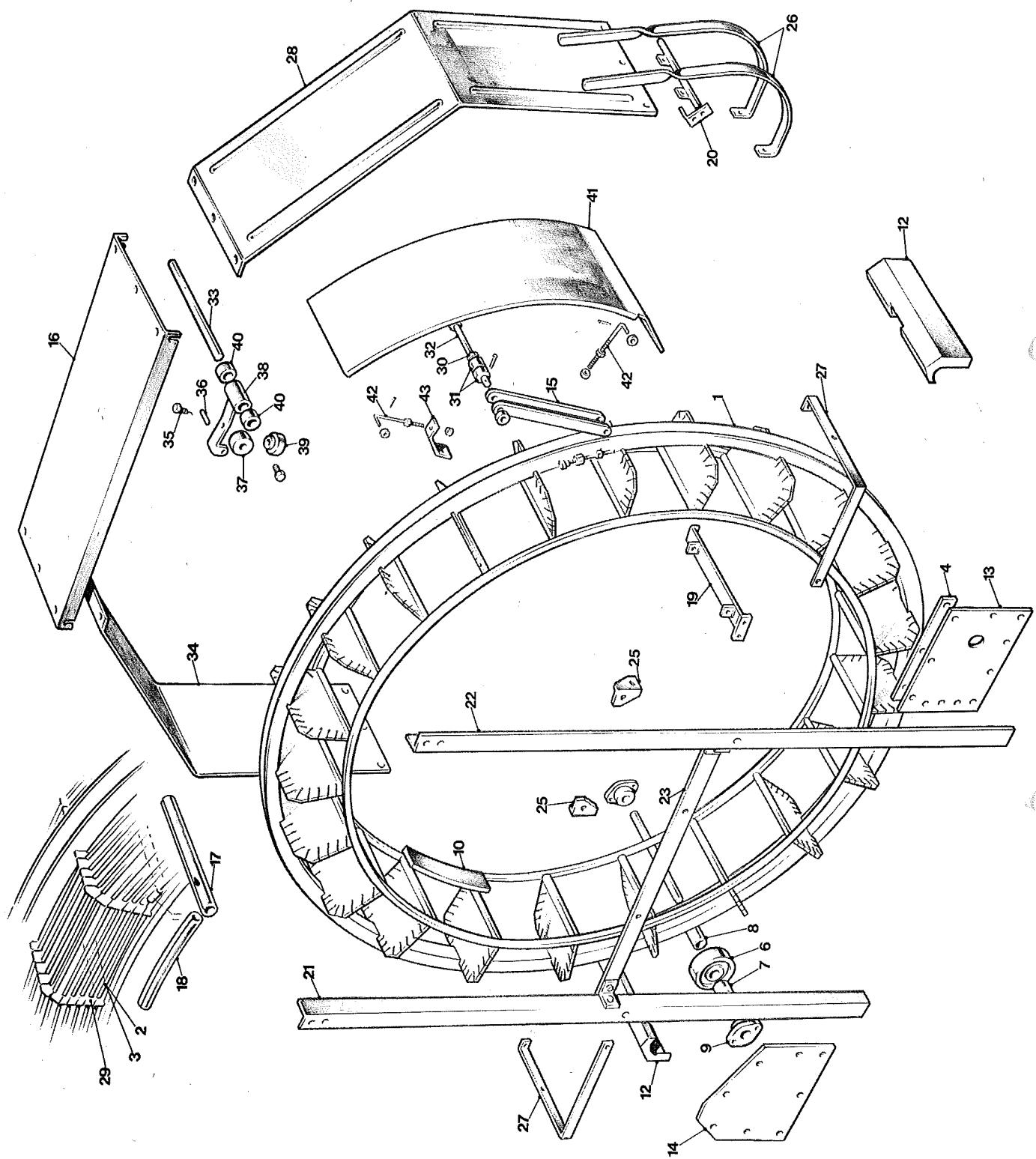
UNDER NO CIRCUMSTANCES SHOULD ADJUSTMENTS TO ANY PART OF THE MACHINE BE MADE UNLESS THE TRACTOR POWER DRIVE IS DISENGAGED – ALL CHAIN GUARDS AND SHAFT GUARDS MUST BE REPLACED IMMEDIATELY AFTER ADJUSTMENTS HAVE BEEN COMPLETED.



# A - MAIN FRAME

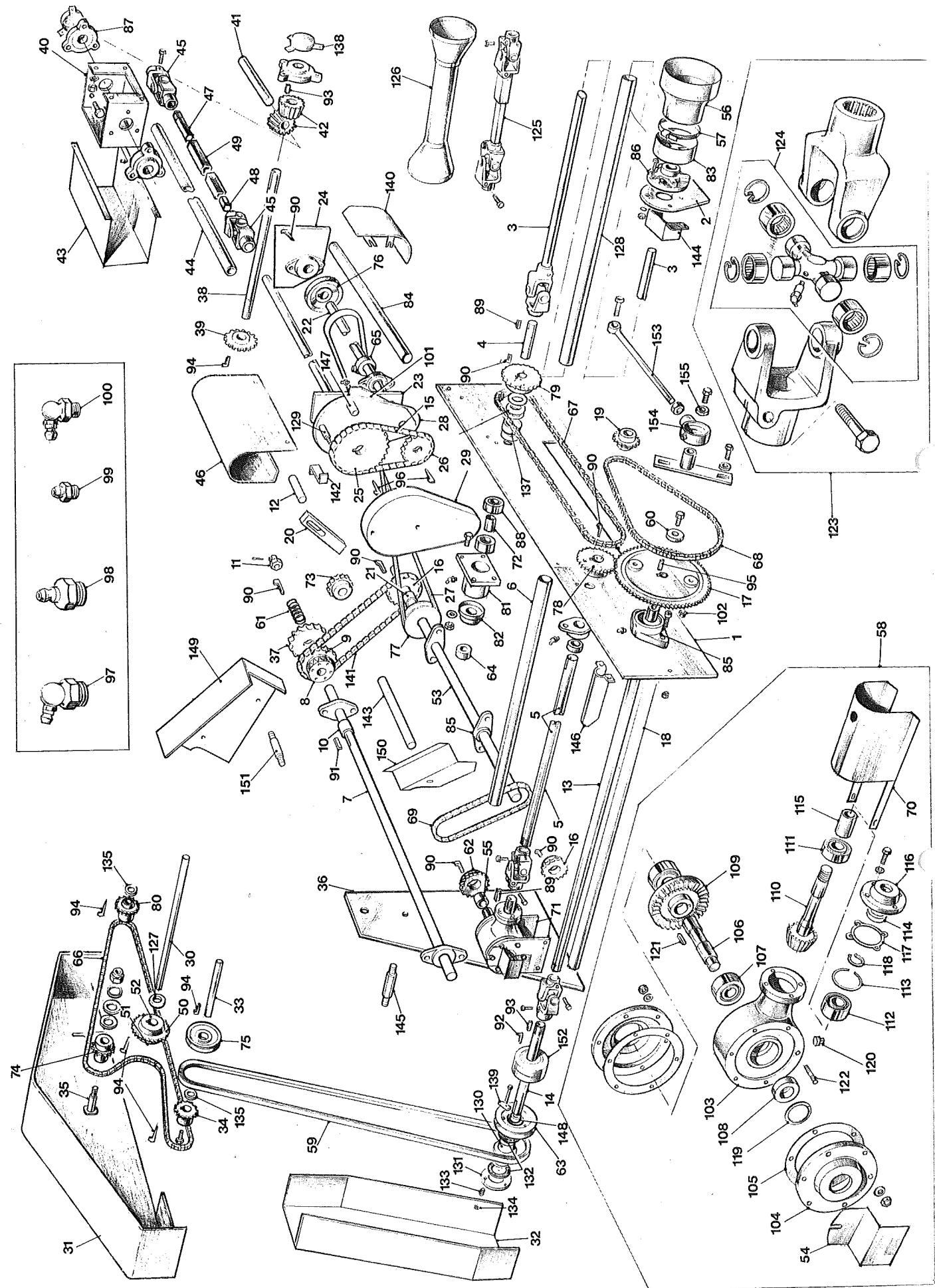
REF NO.	PART NO.	DESCRIPTION	NO. OFF
1	PH1/A	Main Frame	1
2	PH97	Axle	1
3	PH3	R.H. Back Frame Platform Support	1
4	PH652	L.H. Back Frame Platform Support	1
5	PH5	Back Frame Top Angle	2
6	PH6	Platform R.H. Support Angle	2
7	PH7	Front Main Drive Guard	1
8	PH8	R.H. Platform	1
9	PH653	L.G. Platform (Angled Corner)	1
10	PH10	R.H. Platform Step Stay	1
11	PH11	L.H. Platform Step Stay	1
12	PH12	L.H. Platform Front Support Strut (Bent)	1
13	PH13	Front Hand Rail Centre	1
14	PH14	R.H. Hand Rail Front	1
15	PH15	L.H. Hand Rail Front	1
16	PH16	R.H. Hand Rail Rear	1
17	PH17	L.H. Hand Rail Rear	1
18	PH18	Hand Rail Connecting Brackets	1
19	PH659	Conveyor Front Support Angle R.H.	1
20	PH658	Conveyor Front Support Angle L.H.	1
21	PH22	Conveyor Front Support Tie	1
22	PH29	Disc Coulter Mounting Bracket	2
23	PS233/1	Disc Coulter Oil Seals	4
24	PS441/N	1½" Bore x 2½" Nylon Bush	4
25	SSR217	Disc Coulter Spindle	2
26	PH35	Hand Rail Gate	2
27	PH660	Soil Extractor Chute L.H.	1
28	PH198/A	Soil Extractor Chute L.H. Brackets	1
29	SSR228L/R	Cheek Plate Deflector L.H. & R.H.	1PR
30	SSR230	Cheek Plate Deflector Rubber	2
31	PH34	Front Main Drive Guard Bolts	2
32	PH250	Discharge Elevator Front Support Bracket	2
33	PH251	Discharge Elevator Rear Pivot Plate	1
34	PH252	Discharge Elevator Rear Pivot Plate Tie	1
35	PH287	Discharge Elevator Rear Pivot Plate Tie Spacers	2
36	PH320	Depth Wheel	1
37	PH321	Depth Wheel Stalk	1
38	PH322	Depth Wheel Scraper	1
39	PH323	Depth Wheel Mounting Bracket	2
40	PH324	Depth Wheel Mounting Bracket Clamp Plate	1
41	ST41A	1½" Bore Collar	2

REF NO.	PART NO.	DESCRIPTION	NO. OFF
1	42	PH325	1
2	43	PS788	1
3	44	PH30	1
4	45	PS326/A	2
5	46	SSR200	2
6	47	TBM11A	1PR
7	48	TBMW52	4
8	49	BM38	1
9	50	BM42	1
10	51	H74	1
11	52	TC1	1
12	53	TC13	1
13	54	TC14	1
14	55	RH42	1
15	56	Pollard 125	2
16	57	GS402	1
17	58	GS412	1
18	59	GS412	1
19	60	GS412	1
20	61	GS451	2
21	62	TBM93A	2
22	63	PH248	1
23	64	PH127	1
24	65	SLFG	2
25	66	TBM93D	4
26	67	TBM91	1PR
27	68	SSR201	1
28	69	PS181	4
29	70	SSR202	2
30	71	SSR203	2
31	72	SSR229L/R	1PR
32	73	TBM92	1
33	74	H74	1
34	75	PH628	1
35	76	PH629	1
36	77	PH671	1
37	78	PH672	2



## B - POTATO CAGE WHEEL

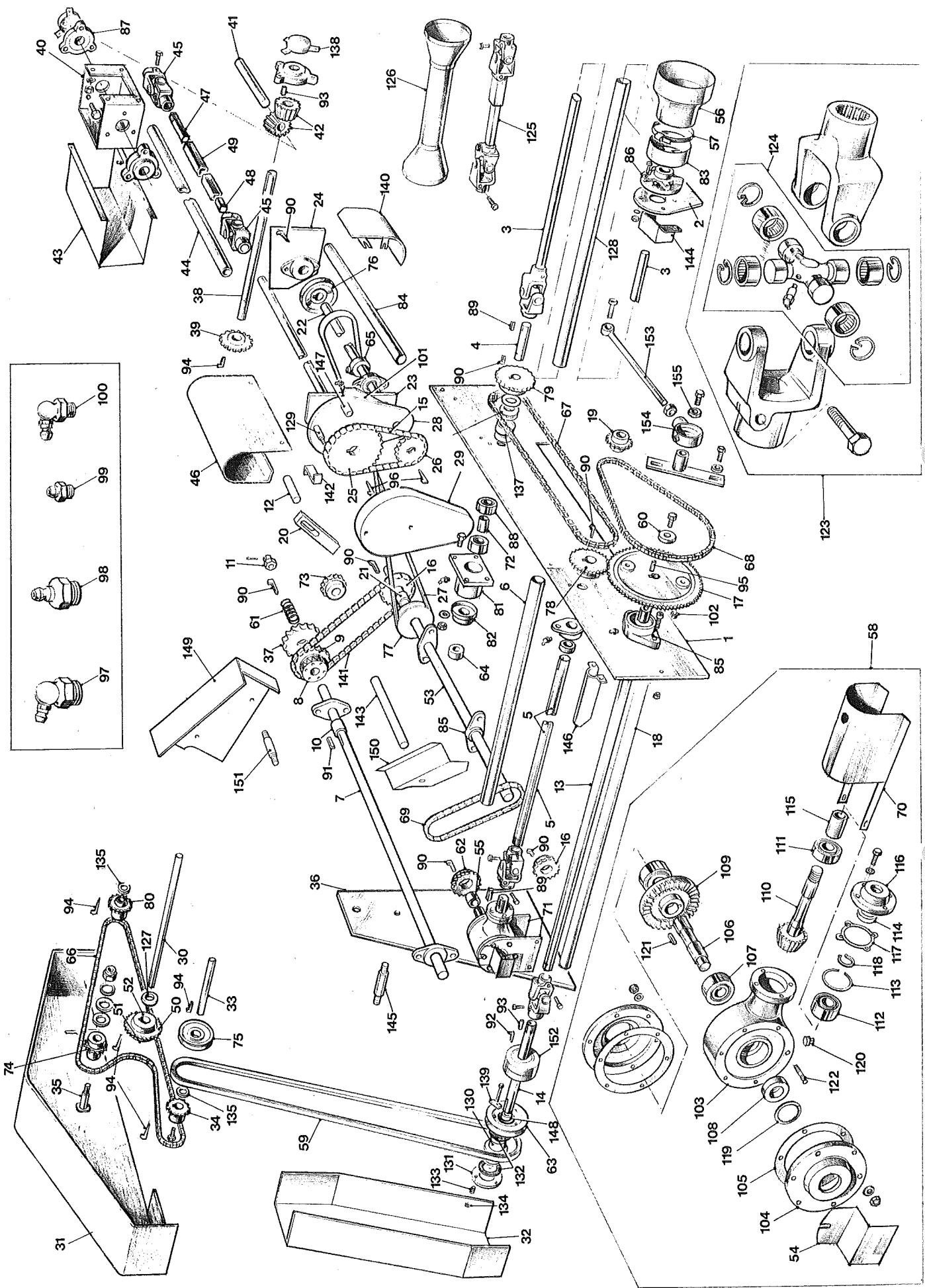
REF. NO.	PART NO.	DESCRIPTION	NO. OFF
1	PH100	Cage Wheel	1
2	PH101	Cage Wheel Cable	2
3	PH102	Cage Wheel Plastic Covering	1
4	PH632	Cage Wheel Drive Support Plate Connecting Plate	1
5	PH108	Cage Wheel Idler Shaft	1
6	PH109	Cage Wheel Rubber Covered Rollers	1
7	SSR214	Cage Wheel Idler Shaft Guard Tube	1
8	SSR216	Cage Wheel Idler Shaft Guard Tube	1
9	SFTG1½"	Cage Wheel Idler Shaft Bearings	2
10	PH667	Cage Wheel Rubber Lining 1 ¾" long	21
11	PH124	Cage Wheel Cable Clamp	10
12	PH121	Cage Wheel Drive Roller Guard RH & LH	1PR
13	PH631	Cage Wheel Drive Support Plate R.H.	1
14	PH105	Cage Wheel Drive Support Plate L.H.	1
15	PH648	Cage Wheel Shroud Connecting Arm	4
16	PH116	Cage Wheel Cover Top	1
17	PH666	Cage Wheel Plate Edge Cover (Alkathene Tube 1 ¾" long)	21
18	PH665	Cage Wheel Side Cover (Alkathene Tube 9 ½" long)	42
19	PH647	Cage Wheel Shroud Support Angle	1
20	PH649	Cage Wheel Shroud Spring Tine Anchor	1
21	PH661	Drop Away Link Elev. Support Angle L.H.	1
22	PH662	" " " " R.H.	1
23	PH635	Haulim Extractor Support Bar	1
24	PH636	Haulim Extractor Support Bar End Angles	2
25	PH637	Haulim Extractor Support Bar Centre Angles	1PR
26	SSR106	Cage Wheel Shroud Spring	2
27	PH119	Cage Wheel Cover Side Mounting Bkt. L.H. & R.H.	1PR
28	PH117	Cage Wheel Cover R.H.	1
29	PH103	Cage Wheel Grommets	1
30	H211	Cage Wheel Shroud Spring Roller Pivot Pin Collar	2
31	SSR115	Cage Wheel Shroud Spring Roller	2
32	PH651	Cage Wheel Shroud Connecting Arm Pivot Pin	1
33	PH207	Cage Wheel Top Steady Roller Tie Bar	1
34	PH118	Cage Wheel Cover L.H.	1
35	SP296	Cage Wheel Top Steady Arm Roller Shoulder Bolt	1
36	GS402	Cage Wheel Top Steady Roller Drive Pin 3/8" x 2"	1
37	PH344	Cage Wheel Guide Roller (2" Ø PVC)	1
38	PH343	Cage Wheel Top Steady Roller Arm	1
39	PH345	Cage Wheel Top Roller	1
40	PH346	Cage Wheel Top Steady Top Roller Arm Collar	2
41	PH646	Cage Wheel Shroud	1
42	PH679	Cage Wheel Adjustment Hook Bolts	4
43	PH650	Cage Wheel Shroud Top Anchor Brackets	2



# C-DRIVE SHAFTS

REF NO.	PART NO.	DESCRIPTION	NO. OFF
1	PH23	Front Main Drive Plate	1
2	PH24	P.T.O. Drive Shaft Bearing Plate	1
3	PH25	P.T.O. Drive Shaft	1
4	PH26	P.T.O. Secondary Drive Shaft	1
5	PH27	Gearbox Drive Shaft	1
6	PH28	Gearbox Drive Shaft Guard Tube 40"	1
7	SSR90	Main Web Drive Shaft (with Welded Plate)	1
8	PH48/A	Main Web Clutch Plate	1
9	SSR325	Main Web Sprocket with Slot	1
10	PH678	Main Web Shaft Plastic Spacers	1
11	SSR354	Main Web Clutch Locking Nut	1
12	PH685	Main Web Drive Chain Jockey Spindle	1
13	PH106/M	Cage Wheel Drive Shaft	1
14	PH107	Cage Wheel Secondary Drive Shaft	1
15	PS666/48	Sorting Conveyor Drive Chain	1
16	PH341	Primary Drive Shaft Sprocket 21T	1
17	PH114/A	Cage Wheel Drive Sprocket 60T	1
18	PH115	Cage Wheel Drive Shaft Guard Tube 62"	1
19	PH122	Cage Wheel Reduction Drive Sprocket 13T	1
20	PH683	Main Web Drive Chain Jockey Arm	1
21	PH610	Primary Drive Shaft Pulley Spacer	1
22	PH171	Sorting Conveyor Drive Shaft	1
23	PH621	Sorting Conveyor Drive Shaft Support Plate R.H.	1
24	PH620	Sorting Conveyor Drive Shaft Support Plate L.H.	1
25	PH627	Sorting Conveyor Drive Sprocket 35T	1
26	BMT32	Sorting Conveyor Drive Sprocket 11T	1
27	VB46	Sorting Conveyor Drive V Belt	1
28	PH622	Sorting Conveyor Drive Guard Backplate	1
29	PH623	Sorting Conveyor Drive Guard	1
30	PH209	Drop Away Link Drive Shaft	1
31	PH630	Drop Away Rear Drive Guard	1
32	PH634	Drop Away Link Shortened Countershaft	1
33	PH226/A	Haulm Extractor Drive Sprocket with Dog.	1
34	PH227	Drop Away Link Pulley Sprocket 13T 1" Bore	1
35	PH228	Drop Away Link Elevator Side Rear Jockey Shoulder Bolt	1
36	PH633	Drop Away Link Elevator 'V' Belt Drive Guard Back Plate	1
37	SSR326	Discharge Elevator Drive Sprocket	1
38	PH270	Discharge Elevator Drive Shaft	1
39	PH271/A	Discharge Elevator Drive Sprocket 12T	2
40	PH272	Discharge Elevator Bevel Box	1
41	PH273	Discharge Elevator Bevel Box Shaft	1
42	PH274/B	Discharge Elevator Bevel Gears	2

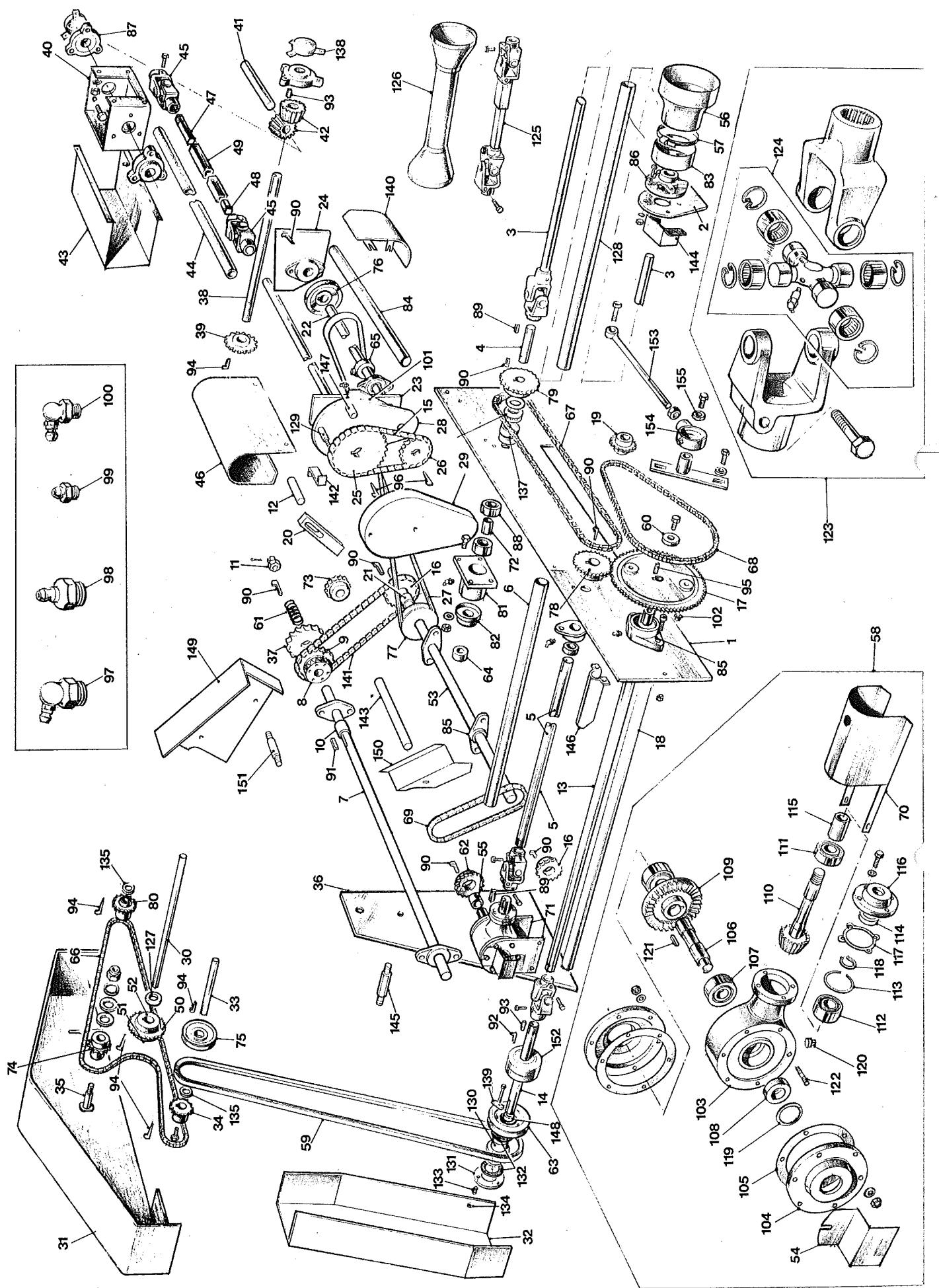
REF NO.	PART NO.	DESCRIPTION	NO. OFF
1	43	Discharge Elevator Bevel Box Cover	1
2	44	Discharge Elevator Drive Guard Tube (57.3/8" long)	1
3	45	Discharge Elevator Knuckle Joints (plain ends 3/4" clamped)	2
4	46	Discharge Elevator Knuckle Joints Guard	1
5	47	Discharge Elevator Knuckle Joints Square Shaft (long)	1
6	48	Discharge Elevator Knuckle Joints Square Shaft (short)	1
7	49	Discharge Elevator Square Drive Tube	1
8	50	Drop Away Link Elevator Drive Sprocket 26T	1
9	51	Drop Away Link Elevator Freewheel 24T	1
10	52	Drop Away Link Elevator Drive Sprocket Freewheel Centre	1
11	53	Main Web Primary Drive Shaft	1
12	54	Gearbox Guard	1
13	55	Gearbox Output Shaft Sprocket Spacer 3/4" long	1
14	56	P.T.O. Bearing Hood	1
15	57	P.T.O. Bearing Hood Hose Clip No. 7	1
16	58	Main Gearbox	1
17	59	VB35	1
18	60	Drop Away Link V Belt	1
19	61	Cage Wheel Drive Sprocket Retaining Washer	1
20	62	Main Web Clutch Spring	1
21	63	Gearbox Sprocket 19T	1
22	64	Drop Away Link Clutch Pulley	1
23	65	P.T.O. Secondary Drive Shaft Collar 1.1/4"	1
24	66	Sorting Conveyor Drive Shaft Collar	1
25	67	Drop Away Link Elevator Drive Chain	1
26	68	Main Drive Chain	1
27	69	Cage Wheel Drive Sprocket Chain	1
28	70	Gearbox to Primary Drive Shaft Chain	1
29	71	Gear Box Shaft Guard	1
30	72	Gear Box Mounting Plate	2
31	73	Main Drive Plate Big Housing Plastic Spacer	1
32	74	1.7/16" long x 1/4" bore	1
33	75	Main Web Drive Chain Jockey Sprocket 11T	1
34	76	Drop Away Link Chain Jockey Sprocket 11T	1
35	77	Drop Away Link Top Pulley	1
36	78	Sorting Conveyor Drive Pulley Front	1
37	79	Primary Drive Shaft Pulley	1
38	80	Gearbox Drive Shaft Drive Sprocket	1
39	81	P.T.O. Main Drive Shaft Drive Sprocket	1
40	82	Soil Return Conveyor Drive Sprocket 15T	1



# C-DRIVE SHAFTS

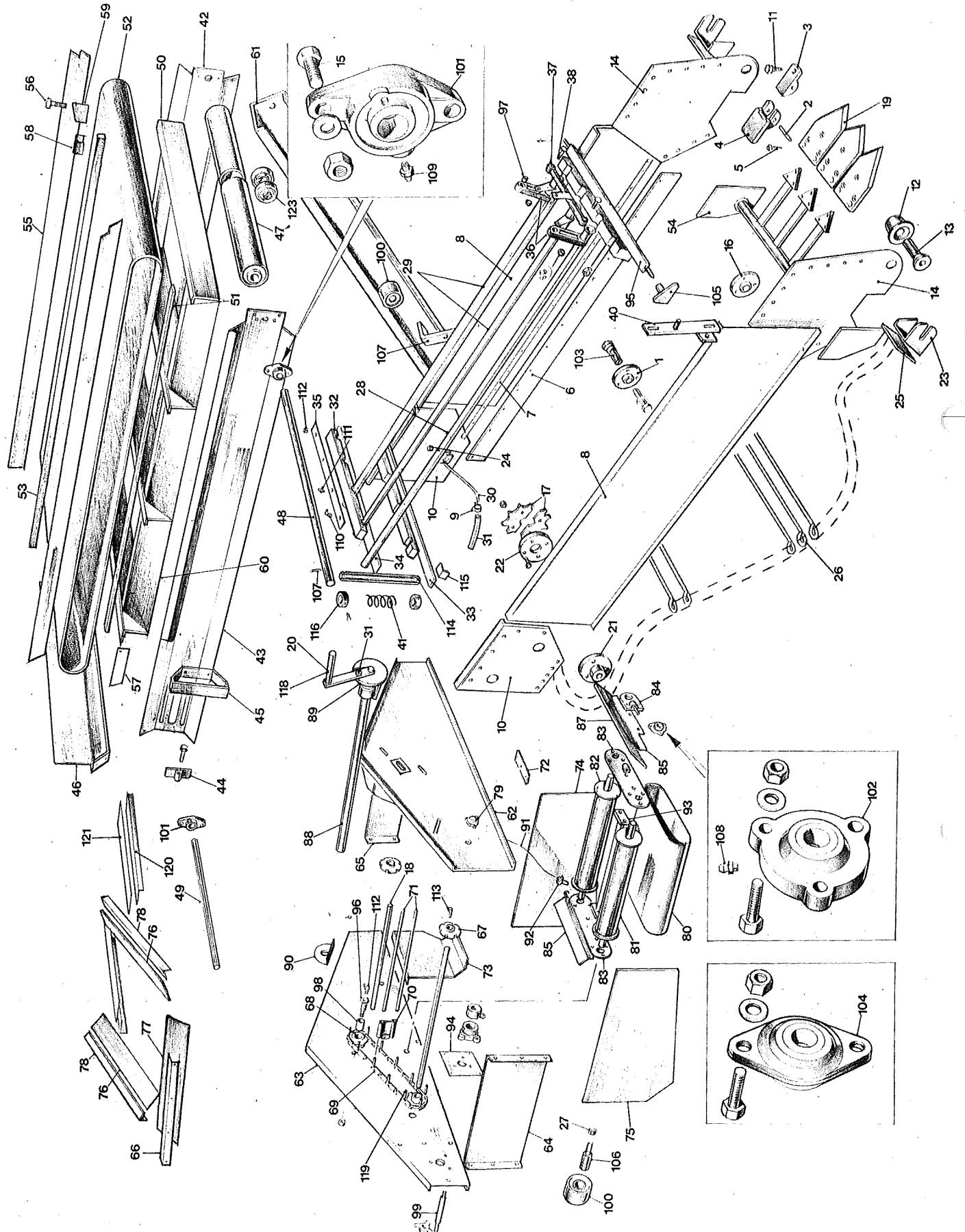
REF NO.	PART NO.	DESCRIPTION	NO. OFF
81	VRT23	Main Drive Plate Bearing Housing	1
82	PT50	Main Drive Plate Bearing Housing Dust Cap	1
83	RH176	P.T.O. Coupling Guard	1
84	PD69	Sorting Conveyor Drive Shaft Guard Tube 31"	1
85	SFTG 1½"	Cage Wheel Sec. Drive Shaft Bearing	1
		Cage Wheel Idler Shaft Bearing	2
		Cage Wheel Drive Shaft	2
		Main Web Drive Shaft Bearing	1
		Gearbox Drive Shaft Bearing	2
		Primary Drive Shaft Bearing	1
		P.T.O. Drive Shaft Bearing	2
		Discharge Elevator - Gearbox Shaft Bearing	2
		Main Bearing Housing Roller Races	2
86	MFCG 1½"	5/16" x 5/16" x 1.3/8" R.B.E. Key	1
87	LFG 1"	P.T.O. Secondary Drive Shaft H.S. Coupling	1
88	LS12	Gearbox Input Shaft - H.S. Coupling	1
89	GS418	5/16" x 5/16" x 2" Gib Head Key	1
		Used on - P.T.O. Secondary Drive Shaft Main	1
		Drive Sprocket	1
		Gearbox Drive Shaft - Reduction Drive Sprocket	1
		Gearbox Sprocket	1
		Drop Away Link Drive Pulley	1
		Sorting Conveyor Drive Pulley	1
		Primary Drive Shaft Sprocket	1
		Main Web Drive Sprocket	1
		5/16" x 5/16" x 1.1/4" R.B.E. Key	1
		Used on - Main Drive Sprocket	2
		5/16" x 5/16" x 2.1/2" Gib Head Key	1
		Used on - Cage Wheel Rubber Wheel	1
		1/4" x 1/4" x 1" R.B.E. Key	1
		Used on - Cage Wheel Secondary Drive Shaft	1
		Hardy Spicer Coupling	1
		Cage Wheel Drive Shaft - Hardy Spicer Coupling	1
		Discharge Elevator Bevel Gears	1
		1/4" x 1/4" x 1.3/4" Gib. Head Key	1
		Used on - Drop Away Link Countershaft Sprocket	1
		Drop Away Link Counter Shaft Drive Pulley	1
		Soil Return Drive Sprocket	1
		Discharge Elevator Drive Sprocket	2
		Drop Away Link Elevator Drive Shaft (Freewheel Spkt)	1

REF NO.	PART NO.	DESCRIPTION	NO. OFF
95	GS417	5/16" x 5/16" x 1.3/8" R.B.E. Key Used on - Cage Wheel Drive Sprocket	1
96	GS411	1/4" x 1/4" x 1" R.B.E. Key Used on - Sorting Conveyor	1
97	GS412	Grease Nipple	7
98	GS450	Grease Nipple	6
99	GS409	Grease Nipple	2
100	PH625	Sorting Conveyor Drive Guard Back Plate Bracket	3
101	GS298	1/2" Phillips Nut - Agitator Eccentric Adjusting Bar	1
102	PS200/2	Gearbox Housing	2
103	PS201/2	Gearbox Sideplate	1
104	PS470/A	Side Plate Gasket	2
105	PS243/2	Solid Shaft	2
106	145	Solid Shaft Bearing	1
107	PS245	Solid Shaft Oil Seal	1
108	PS242	Bevel Gear	2
109	PS238/241	Tail Shaft & Bevel Pinion	1
110	330	Tail Shaft Bearing	1
111	330/C	Tail Shaft Bearing (with Circlip Groove)	1
112	PS236	Bearing Circlip	1
113	PS233	Spacer	1
114	PS237	Tail Shaft End Plate	1
115	PS202	End Plate Gasket	1
116	PS469	Tail Shaft Oil Seal	1
117	118	Side Plate Shim	1
118	PS869	Drain Plug	1
119	GS418	Key R.B.E. 5/16" x 1.3/4"	1
120	TBMT38	Housing Stud 7/16" B.S.W.	1
121	122	Hardy Spicer Coupling	1
122	RH44	Hardy Spicer Spider	1
123	SNA42	P.T.O. Coupling	1
124	PH333	P.T.O. Coupling Guard Tube	1
125	PH31	Drop Away Link Freewheel Sprocket Spacer	1
126	PH624	1" bore x 3/8" long	1
127	BMZ95	Sorting Conveyor Drive Guard Bolt	2
128	BMZ96	Drop Away Link Clutch Centre	1
129	BMZ96	Drop Away Link Clutch Clamp Plate	1
130	BMZ96	Drop Away Link Clutch Ferodo Discs	2



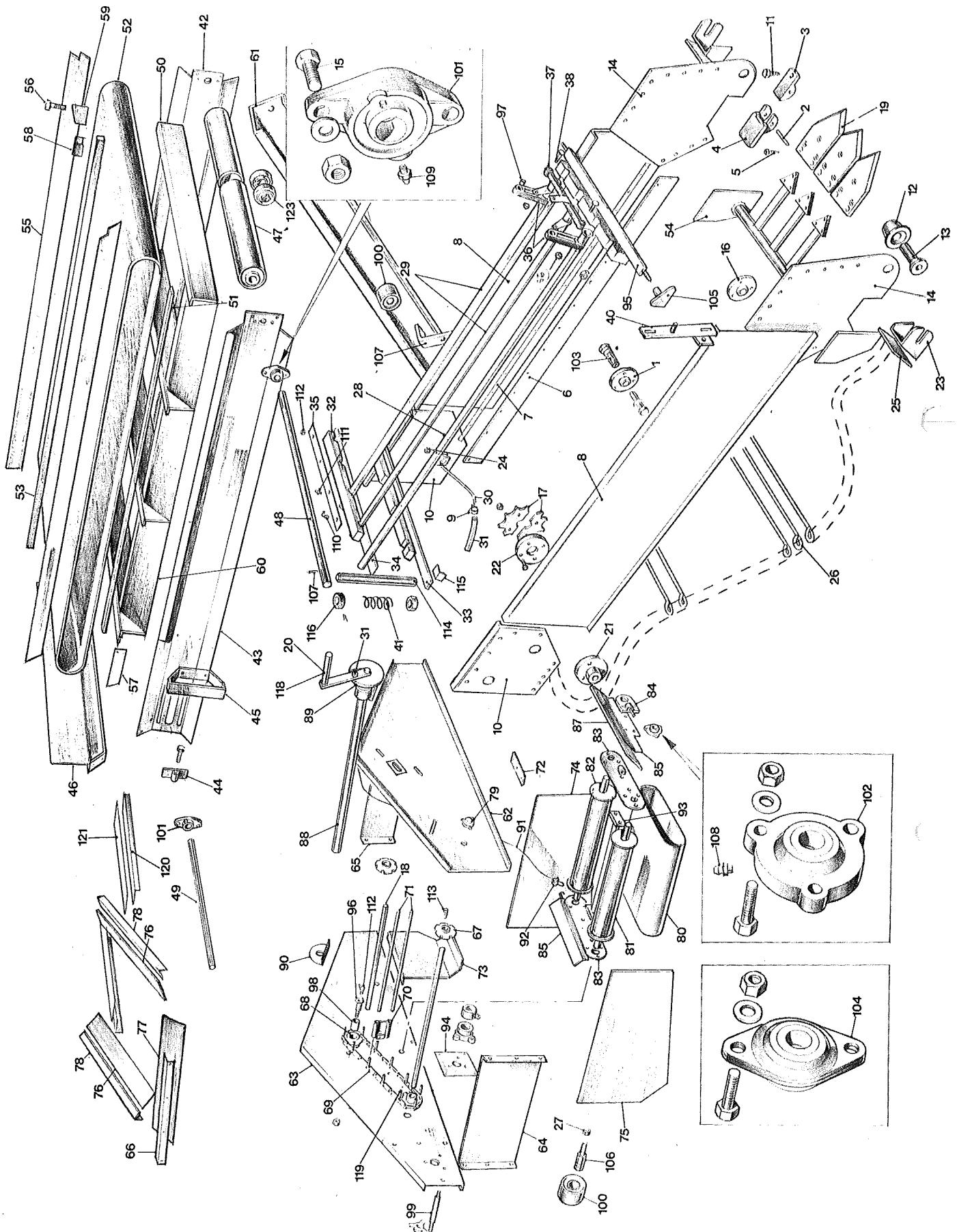
## C-DRIVE SHAFTS

REF NO.	PART NO.	DESCRIPTION	NO. OFF
133	RH149	Drop Away Link Clutch Springs	3
134	GS287	Locknuts for Clutch 3/8" Phillips	3
135	PH349	Soil Return Sprocket Spacer. Drop away Link Pulley Sprocket Spacer	1
136	W 1 1/4"	P.T.O. Drive Shaft Thrust Bearing	1
137	PH404	P.T.O. Drive Shaft Thrust Bearing Plastic Cover	1
138	PH348	Bearing Cap	2
139	PH402	Locking Tab	3
140	PH189	Sorting Conveyor Drive Shaft Collar Guard R.H.	1
141	PS871/74	Primary Shaft to Web Shaft Chain	1
142	SSR241	Sorting Conveyor Drive Back Plate Stay	1
143	PH656	Primary Drive Shaft Guard Tube	1
144	PH681	P.T.O. Drive Shaft Guard	1
145	SP225	Drop Away Link Elev. Drive Belt Guard Bolt	2
146	BM118/A	Cage Wheel Drive Shaft Bearing Guard	2
147	PH626	Sorting Conveyor Drive Sprocket Spacers	2
148	SP473	Drop Away Link Clutch Pulley Spacer	1
149	PH607	Main Web Elevator Drive Guard L.H.	1
150	PH606	" " " " R.H.	1
151	PH608	" " " " Bolt	2
152	PH109	Cage Wheel Rubber Drive Roller	1
153	PH615	Agitator Main Con. Rod	1
154	SCHBG1	Agitator Main Con. Rod End Bearing	1
155	PS482/1	Agitator Main Con. Rod Retaining Washer	1



# D.CONVEYORS

REF NO.	PART NO.	DESCRIPTION	NO. OFF	REF NO.	PART NO.	DESCRIPTION	NO. OFF
1	PS213	Main Web Roller (small)	6	36	PH89	Agitator Con Rods (Short) (Polypropylene)	1
2	PH455	Stone Trap Pivot Bar	3	37	PH90	Agitator Con Rod (Long) (Malleable)	1
3	PD062	Stone Trap Pivot Bar Bracket	6	38	PH91	Agitator Con Rods Shoulder Bolt	6
4	SSR367	Stone Trap Pivot Tip Plate	6	39	PH884	Soil Return Conveyor Adjusting Tube Wing Bolt	1
5	PH303	Digger Share Fixing Bolts	9	40	PH93/M	Agitator Eccentric Adjuster Bar	1
6	PH603	Main Web Side Rubbers	1PR	41	PH676	Agitator Compression Spring	1
7	PH604	Main Web Side Rubber Supports	1PR	42	PH160	Sorting Conveyor Side L.H.	2
8	PH602	Main Web Side R.H./L.H.	1PR	43	PH161	Sorting Conveyor Side R.H.	1
9	GS405	Thumbscrew Clip	15	44	PH162	Sorting Conveyor Roller Bearing Adjusting Bracket	2
10	PH601	Main Web Drive Side Plates L/R.	1PR	45	PH163	Sorting Conveyor Mounting Brackets	2
11	PH303	Stone Trap Pivot Bracket Bolt	6	46	PH164	Sorting Conveyor Rear End Plate (Wide)	1
12	BM125	Main Web Bottom Flanged Roller	2	47	PH165	Sorting Conveyor Front Shaft	4
13	BM125/1	Main Web Bottom Cone Roller	2	48	PH166	Sorting Conveyor Rear Shaft	1
14	PH673	Main Web Bottom Flanged Roller Bush	2	49	PH167	Sorting Conveyor Wood Rubber Supports	1
15	PH674	" " " Cone	2	50	PH168	Sorting Conveyor Wood Runners (1.1/2" x 1/2" x 6'3")	4
16	PH600	Main Web Cheek Plates L/R	1PR	51	PH169	Sorting Conveyor Endless Belt	6
17	PH301	Sorting Conveyor Front & Rear Shaft Bearing Bolt	8	52	PH170	Sorting Conveyor Wood Divider (2" x 1" x 7'4")	1
18	TBM133	Main Web Rollers	2	53	PH178/A	Three Piece Digger Share Mounting	1
19	PH98A	Main Web Half Sprockets 9T 1.9/16" Pitch	4	54	PH663	Sorting Conveyor Rubber Skirting Strips (2 ply x 4" x 7'9")	1
20	PH318	Drop Away Link Rod Plastic Covering (red) 7/8" O/D	22	55	PH185	Sorting Conveyor Wood Divider Hanger Bracket	2
21	PH317	" " " " (green) 11/16"	22	57	PH186	Sorting Conveyor Wood Divider Rear Mounting Plate	1
22	PH450/1	Digger Share R.H.	22	58	PH187	Sorting Conveyor Wood Divider Front Mounting Deflector Plate L.H.	1
23	PH451/1	Digger Share Centre. Three Piece Share	1	59	PH188	Sorting Conveyor Wood Divider Front Mounting Deflector Plate R.H.	1
24	PH452/1	Digger Share L.H.	1	60	PH193	Sorting Conveyor Endless Belt Dirt Deflector	6
25	PH152/2	Soil Return Conveyor Angle Adj. Handle	1	61	PH609	Sorting Conveyor Drive Belt Guard	1
26	PS213/B	Main Web Roller	1	62	PH200/A	Drop Away Link Elevator Side (Front) (Short)	1
27	PH63	Main Web Half Sprockets Centre Plate	2	63	PH201/A	Drop Away Link Elevator Side (Rear)	1
28	PH299/A	Main Web Bottom Roller Stone Deflector R.H. & L.H.	2	64	PH202	Drop Away Link Elevator Side End Plate R.H.	1
29	G5287	3/8" Phillips Nuts (Tine Fixing)	1PR	65	PH203/A	Drop Away Link Elevator Side End Plate L.H.	1
30	PH66/A	Main Web Bottom Roller Scraper Rubbers	15	66	PH208	Drop Away Link Elevator Side Skirting Plate R.H.	1
31	SSR211	Main Web Link (Standard) PH677 - 1 3/4" Pitch Link (optional)	2	67	PH210	Drop Away Link Elevator Drive Sprocket	2
32	G5287	3/8" Phillips Nuts	10	68	PH211	Drop Away Link Elevator Idler Sprocket	2
33	PH80	Agitator Rods (with Welded Flat)	69	69	PH212/22	Drop Away Link Elevator Chain	2
34	PH81	Agitator Rods (with Welded Profile Plate)	1	70	PH213	Drop Away Link Elevator Plastic Mounting Brackets	22
35	PH83	Agitator Rod Tines	2	71	PH214	Drop Away Link Elevator Rods	22
36	PH84	Agitator Rod Plastic Covering	15	72	PH217	Drop Away Link Elevator Side Front Connecting Strap	1
37	SSR188	Agitator Rods Wooden Bearing Blocks	15	73	PH218	Drop Away Link Elevator Side Rear Deflector Plate	1
38	PH616	Agitator Support Bar	4	74	PH219	Drop Away Link Elevator End Plate Flap L.H.	1
39	PH617	Agitator Bearing Block Support Bar	1	75	PH220	Drop Away Link Elevator End Plate Flap R.H.	1
40	SSR189	Agitator Bearing Blocks Clamp Plate	1	76	PH221	Drop Away Link Elevator Side Skirting Flaps Front and Rear (3 ply x 23" x 5")	2

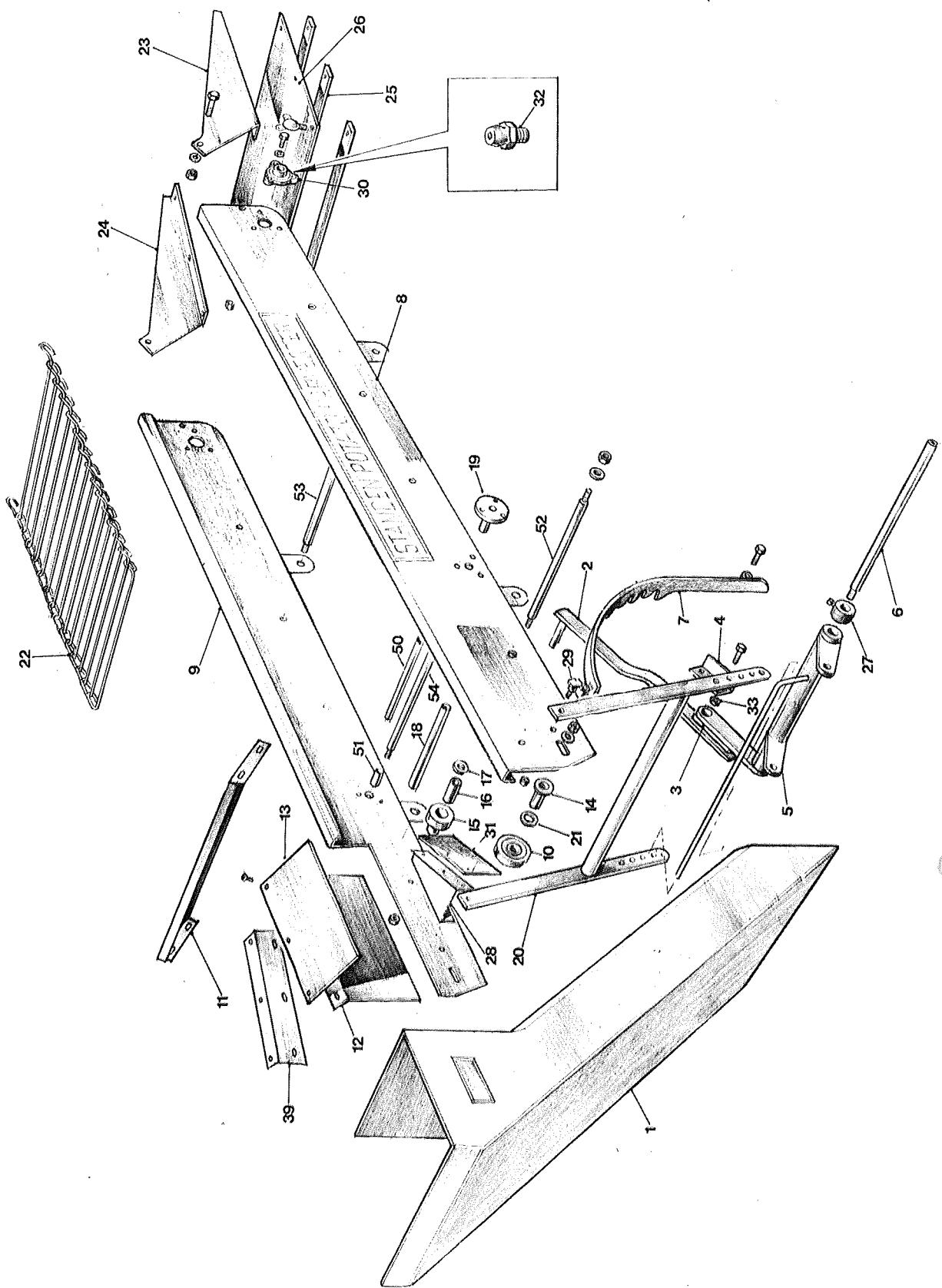


## D. CONVEYORS

REF NO.	PART NO.	DESCRIPTION	NO. OFF
77	PH222	Drop Away Link Elevator End Skirting Flap R.H.	1
78	PH223	Drop Away Link Elevator End Skirting Plates front and rear	2
79	PH348	Drop Away Link Elevator side Front Bearing Caps	2
80	PH231	Soil Return Conveyor Endless Belt	1
81	PH232	Soil Return Conveyor Drive Shaft & Roller	1
82	PH233	Soil Return Conveyor Idler Shaft & Roller	1
83	PH234	Soil Return Conveyor Side Plate	2
84	PH235	Soil Return Conveyor Bearing Adjusting Plate	2
85	PH236	Soil Return Conveyor Skirting Plate L.H. & R.H.	1PR
86	GS298	Shoulder Bolt Nut (1/2" Phillips)	7
87	PH238	Soil Return Conveyor Skirting Plate Flap (2 ply x 13" x 4")	2
88	PH239/A	Soil Return Conveyor Angle Adjusting Tube	1
89	PH240/A	Soil Return Conveyor Angle Adjusting Tube Bracket (Front)	1
90	PH241	Soil Return Conveyor Angle Adjusting Tube Bracket (Rear)	1
91	PH242	Soil Return Conveyor Angle Adjusting Cable	1
92	PH243	Soil Return Conveyor Angle Adjusting Cable Grips	1
93	PH244	Soil Return Conveyor Inner Tube Tie	2
94	PH312	Drop Away Link Countershift Front Brg. Plate	1
95	PH613	Agitator Front Pivot Bar	1
96	PS557	Drop Away Link Idler Sprocket Shoulder Bolt	2
97	PS388/N	Agitator Linkage Con Rod Bushes 1" Bore - 1" long	3
98	PS386/N	Drop Away Link Elevator Idler Sprocket Bushes	2
99	TBM172	Drop Away Link Elevator Guard Bolt	2
100	RH76	Sorting Conveyor Drive V. Belt Jockey Roller	1
101	SFTG1"	Drop Away Link Drive V Belt Jockey Roller	1
102	LFG1"	Sorting Conveyor Rear Shaft Bearing	2
103	SFTG1"	Sorting Conveyor Front Shaft Bearing	2
104	LFG1"	Sorting Conveyor Drive Shaft Bearing	2
105	SLFL1"	Drop Away Link Elevator Counter Shaft Bearing	2
106	PH614	Soil Return Conveyor Drive Shaft Bearing	2
107	FPS118	Agitator Front Pivot Bar Socket	1PR
108	GS401	Roller Bearings (For RH76)	3
109	GS450	Sorting Conveyor Drive Pin 1/4" x 1.5/8"	2
110	GS412	Soil Return Conveyor Drive Pin 1.4" x 1.5/8"	2
111	GS413	Grease Nipple	8
112	GS411	Grease Nipple	2
113	GS426	1/4" x 1/4" x 1.3/4" Gib. Head Key	2
114	PH618	Agitator Spring Guides	2
115	PH619	Agitator Support Bar Angle	2
116	PH675	Agitator Spring Guide Collar	4
117	PH664	Sorting Conveyor Drive Belt Guard Bracket	1
118	PH151	Soil Return Conveyor Adj. Handle Cover	1
119	PH215	Drop Away Link Elevator Chain Connecting Pin	1
120	PH216	"	1PR
121	PH310	"	Deflector Plate
122	GS287	"	Skirt
123	PH183	Agitator Wood Blocks Fixing Nut 3/8" Phillips	2
		Sorting Conveyor Roller Plastic End Cap	8
		Sorting Conveyor Roller Plastic End Cap	4

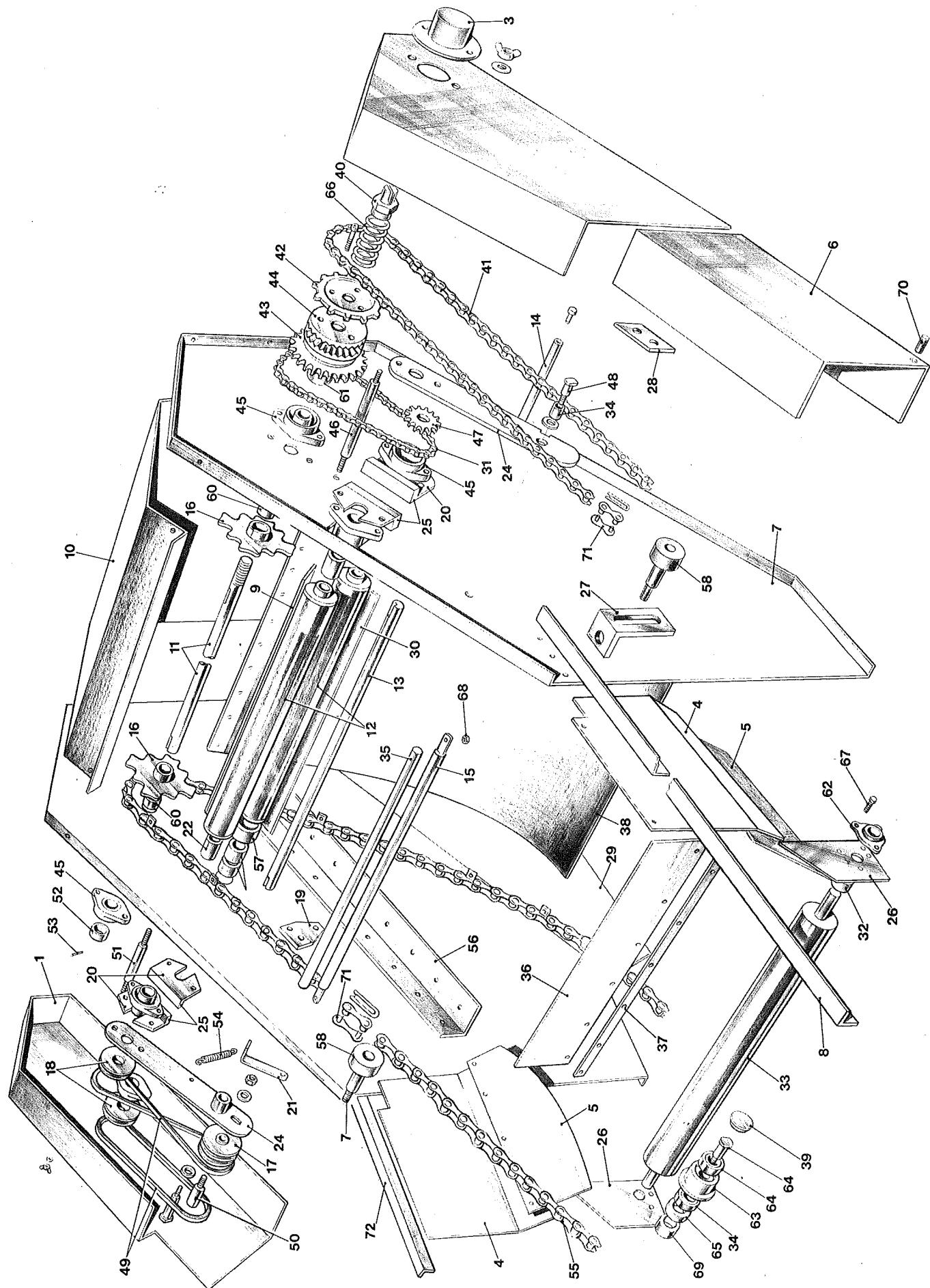
NOTE: Continental Web Items not illustrated) :—

PH680	Idler Roller
PH51/A	Front Roller
PH77/A	Roller (without Flange)
PH668	Brokema Web (42 mm Pitch)
PH669	Brokema Web (50 mm Pitch)



# E. DISCHARGE ELEVATOR

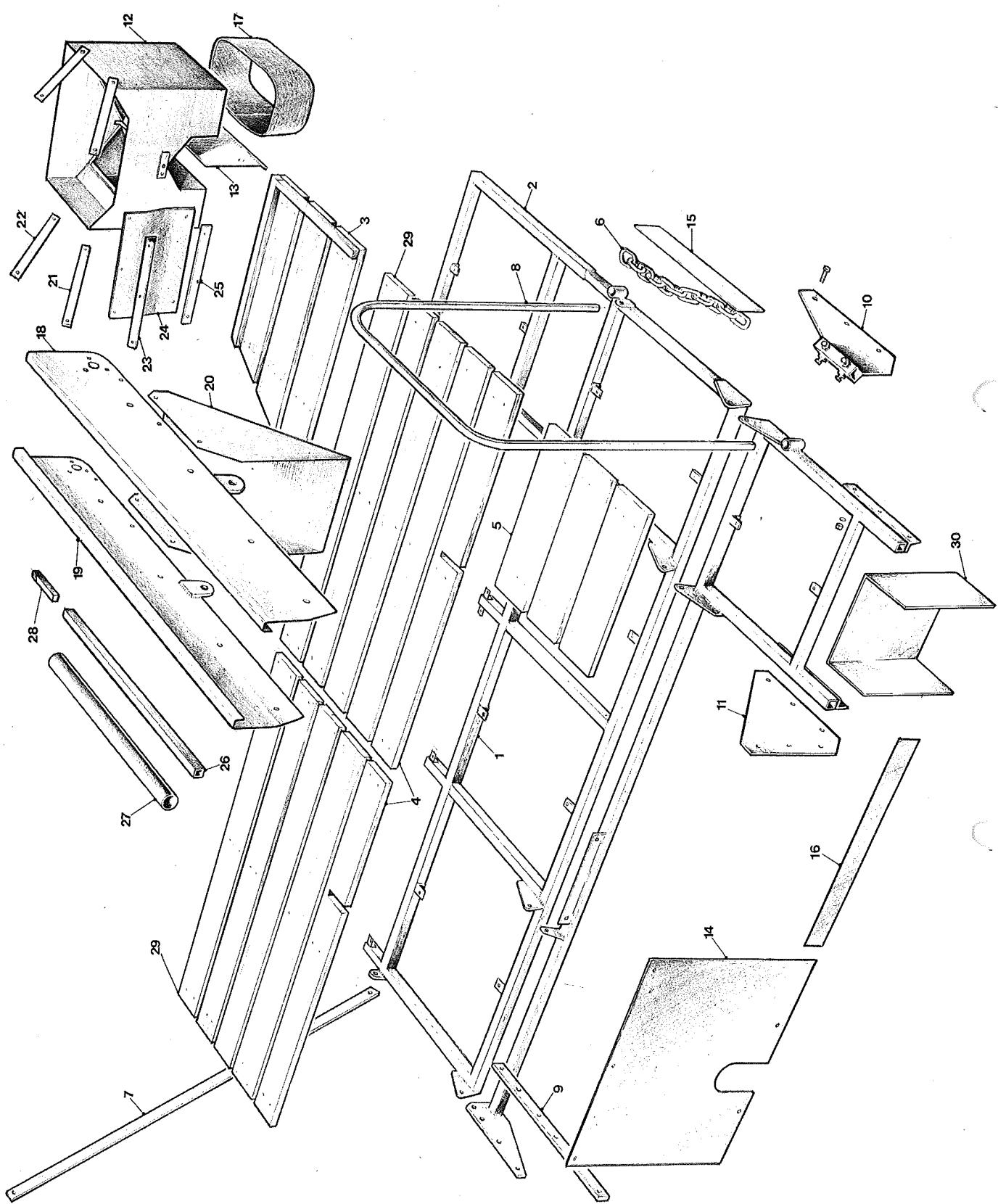
REF NO.	PART NO	DESCRIPTION	NO. OFF
1	PH194/A	Sorting Conveyor Soil Extractor Chute (Front)	1
2	PH253	Discharge Elevator Height Selector Lever	1
3	PH254	Discharge Elevator Height Selector Lever Clamp Plate	1
4	PH255	Discharge Elevator Height Selector Lever Ratchet Angle	1
5	PH256/A	Discharge Elevator Height Selector Lever Pivot Tube	1
6	PH257	Discharge Elevator Height Selector Lever Pivot Tie Bar	1
7	PH258	Discharge Elevator Ratchet Quadrant	1
8	PH259	Discharge Elevator Side (Front)	1
9	PH260	Discharge Elevator Side (Rear)	1
10	BM2	Idler Roller	2
11	PH262	Discharge Elevator End Plate	1
12	PH263	Discharge Elevator Skirting Flap Supporting Plate	1
13	PH264	Discharge Elevator Skirting Flap (3 ply x 17" x 6")	1
14	BM2A	Idler Roller Bush	2
15	PH266	Discharge Elevator Nylon Rollers	14
16	PH267	Discharge Elevator Web Roller Bushes	12
17	PH268	Discharge Elevator Special Washers 1/2" Bore	12
18	PH269	Discharge Elevator Tie Rod Tube (10½" long)	5
19	PH276/A	Discharge Elevator Pivot Spigot	2
20	PH297	Discharge Elevator Height Selector Lever Brace	1
21	BM134F	1" Bore x 1/4" Spacer	1
22	PH279	Discharge Elevator Links	2
23	PH280	Discharge Elevator Chute Side Front	1
24	PH281	Discharge Elevator Chute Side Rear	1
25	PH282	Discharge Elevator Chute Bottom Tie Straps	3
26	PH284	Discharge Elevator Rubberised Canvas (3 ply x 16" x 15 3/4")	1
27	PS488	Discharge Elevator Height Selector Lever Collar	1Pr
28	PH292	Idler Roller Dirt Deflector L/R	2
29	BM194	Discharge Elevator Adjusting Chain Bracket Shoulder Bolt	2
30	LFG 1"	Discharge Elevator Drive Shaft Bearing	2
31	PH293	Idler Roller Dirt Deflector Rubber	2
32	GS450	Grease Nipple — Discharge Elevator Drive Shaft Bearings	2
33	GS287	3 1/8" Philidas Nuts. Height Selector Lever Fixing Nuts	2
34	PH278	Discharge Elevator Tube Spacer (Bottom)	2
35	PH283	Discharge Elevator Pivot Roller Bushes 5/8" Bore	2
36	PH294	Discharge Elevator Tie Rod (Top)	5
37	PH295	Discharge Elevator Tie Rod (Bottom)	2
38	PH296	Discharge Elevator Pivot Tie Rod	1
39	PH249	Discharge Elevator Bridging Deflector	1
40	PH298	Discharge Elevator Height Selector Adjuster Rod	1



# F. HAULM EXTRACTOR

REF. NO.	PART NO.	DESCRIPTION	NO. OFF
1	SSR233	Haulm Extractor Chain Guard R.H.	1
2	SSR234	Haulm Extractor Chain Guard L.H.	1
3	SSR235	Haulm Extractor Slip Clutch Guard	1
4	PH639	Haulm Extractor Side Deflector Rubbers	2
5	PH638	Haulm Extractor Side Deflector Rubbers Support Plates	2
6	PH611	Haulm Extractor Drive Chain Guard (Lower)	1
7	SSR124	Haulm Extractor Side Plates L.& R.	1Pr
8	PH657/L	Haulm Extractor Support Angle L.H.	1
9	PH670	Haulm Extractor Top Stripper Roller Scraper	1
10	SSR125	Haulm Extractor End Plate	1
11	SSR126	Haulm Extractor Drive Shaft	1
12	SSR127	Haulm Extractor Rollers	2
13	SSR127/A	Haulm Extractor Roller Shaft	2
14	SSR128	Haulm Extractor Tie Bar	3
15	SSR130	Haulm Extractor Elevator Rod	25
16	SSR131	Agitator Sprocket 14T	2
17	SSR132	Haulm Extractor Double Vee Pulley	1
18	SSR133	Haulm Extractor Single Vee Pulley	2
19	SSR134	Haulm Extractor Side Strengthening Plate	2
20	SSR135	Haulm Extractor Roller Buffer Plate	2
21	SSR136	Haulm Extractor Roller Spring Tension Bracket	4
22	SSP137	Haulm Extractor Top Roller Plastic Spacers	2
23	SSR138	Haulm Extractor Bottom Roller Plastic Spacers	2
24	SSR139	Haulm Extractor Roller Drive Plate	2
25	SSR140	Haulm Extractor Buffer Rubbers	4
26	PH645	Haulm Extractor Roller Support Plates	2
27	SSR350	Haulm Extractor Drive Chain Tensioner	1
28	SSR357	Haulm Extractor Drive Chain Guard Connecting Plate	1
29	SSR365	Haulm Extractor Tops Deflector	1
30	SSR258	Haulm Extractor Scraper Tie Bar	1
31	PS666/44	Haulm Extractor Clutch Chain	1
32	PH644	Haulm Extractor Plastic Spacer	2
33	SSR305	Haulm Extractor Chain Rubberised Support Roller	1
34	6005/Z	Haulm Extractor Flanged Guide Roller Ball Race (25 mm)	4
35	SSR304	Haulm Extractor Rod Plastic Cover	-25
36	PH642	Haulm Extractor Roller Deflector Rubber	1
37	PH643	Haulm Extractor Roller Deflector Rubber Support Bar	1
38	PH641	Potato Recovery Chute Rubber	1
39	PH408	Haulm Extractor Flanged Guide Roller Seal (Outer)	2
40	SSR355	Haulm Extractor Clutch Locking Nut	1
41	PS539/81	Haulm Extractor Drive Chain	1
42	PH143	Haulm Extractor Drive Sprocket	1
43	SSR302	26T Plate Sprocket	1

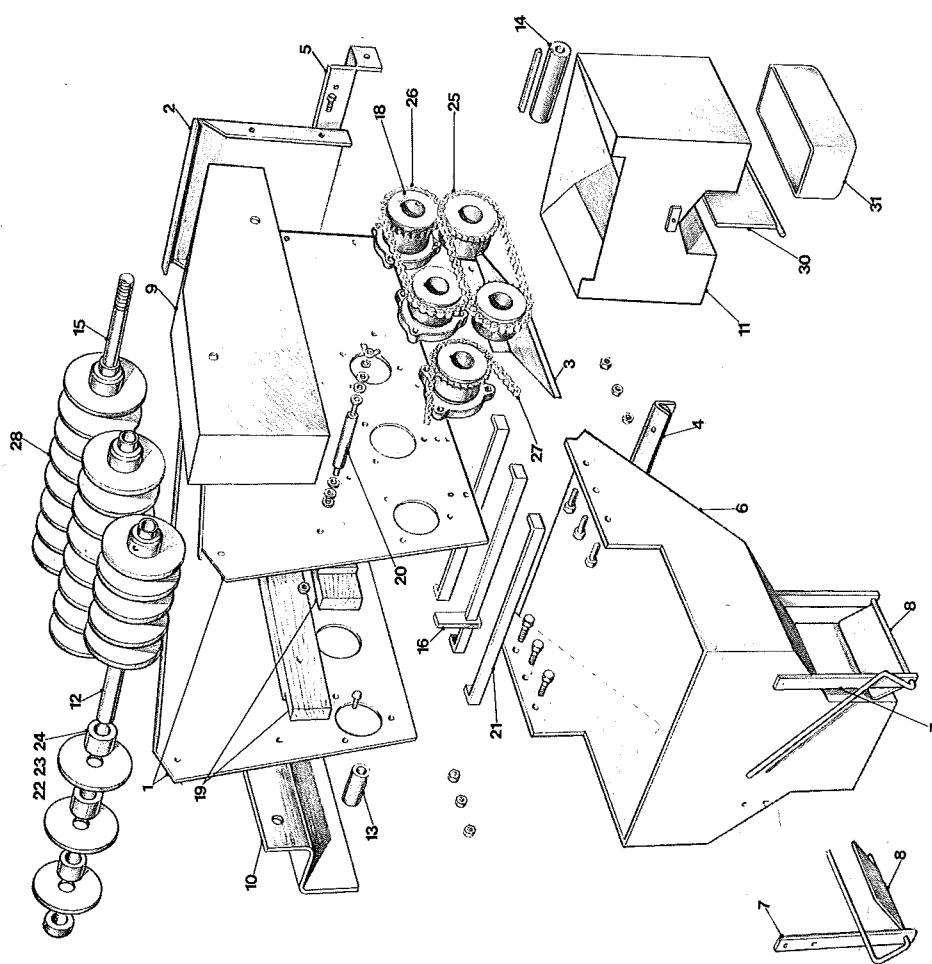
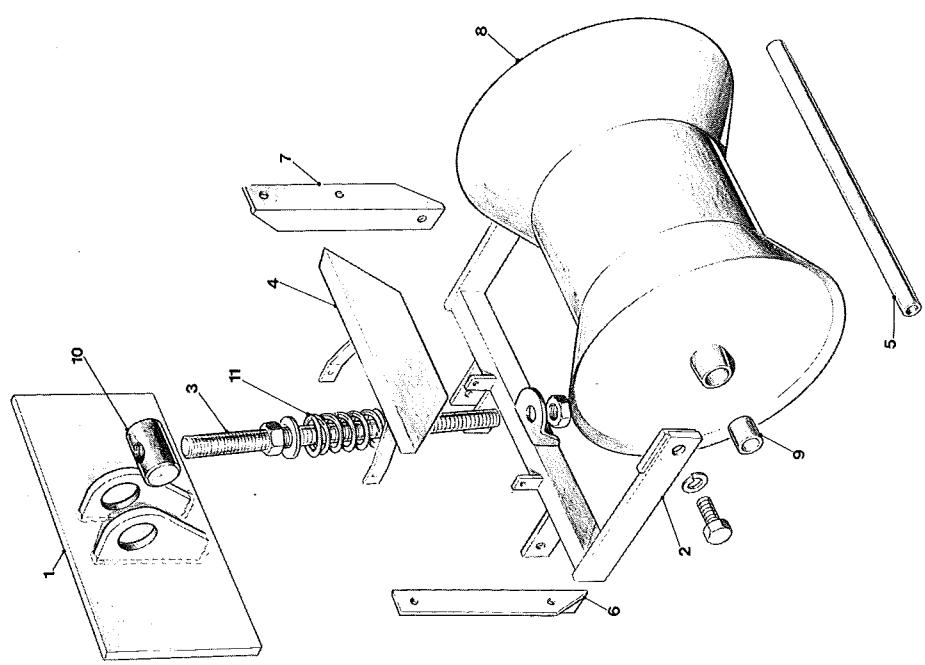
REF. NO.	PART NO.	DESCRIPTION	NO. OFF
1	44	TBMT34	2
2	45	SFTG1"	6
3	46	SSR271	2
4	47	BMT150	1
5	48	SP295	1
6	49	VB42	2
7	50	FPS118	1
8	51	SP225	1
9	52	PS488A	2
10	53	GS401	1
11	54	RH80	1
12	55	PS599/	2
13	56	100/25	1pr
14	57	SSR129	2
15	58	RH76	1
16	59	FPS118	3
17	60	SSR327	2
18	61	SSR328	2
19	62	SFTG1"	1
20	63	PH51/A	2
21	64	PH406	2
22	65	PH407	2
23	66	PS251	1
24	67	PH305	1
25	68	GS280/1	50
26	69	PH682	2
27	70	PH612	1
28	71	PS423/2	3
29	72	PH657/R	1
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## G-BAGGING ATTACHMENT

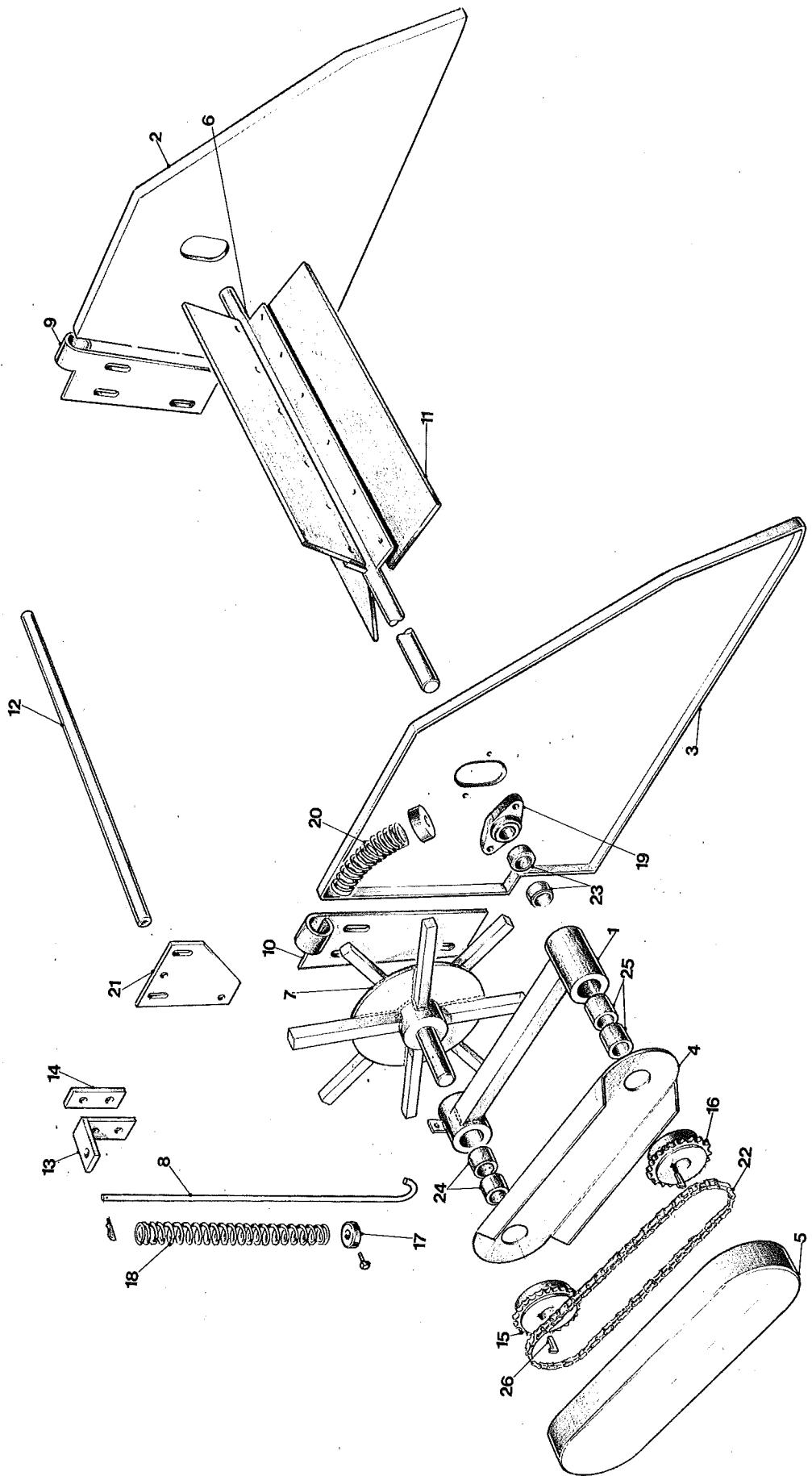
REF. NO.	PART NO.	DESCRIPTION	NO. OFF
1	PH350	Bagging Attachment Main Platform	1
2	PH351	Bagging Attachment Main Platform Weighing M/c Extension	1
3	PH352	Bagging Attachment Main Platform Wooden Section	1
4	PH353	Bagging Attachment Main Platform Wooden Section	2
5	PH354	Bagging Attachment Main Platform Wooden Section	1
6	PH655	Bagging Attachment Front Support Chain	1
7	PH356	Bagging Attachment Main Platform Stay (Rear)	1
8	PH357/A	Bagging Attachment Front Handrail	1
9	PH358	Bagging Attachment Rear Mounting Strip	1
10	PH654	Bagging Attachment Front Mounting Plate	1
11	PH360	Bagging Attachment Platform Centre Mounting Plate	1
12	PH361	Bagging Attachment Bagging Box	1
13	PH362	Bagging Attachment Bagging Box Divider	1
14	PH373	Bagging Attachment Wheel Guard Plate	1
15	PH374	Bagging Attachment Platform Toe Guard (Front)	1
16	PH375	Bagging Attachment Platform Toe Guard (Side)	1
17	PH377	Bagging Attachment Bagging Box Skirting Flap	2
18	PH378	Bagging Attachment Discharge Elevator Side (Front)	1
19	PH379	Bagging Attachment Discharge Elevator Side (Rear)	1
20	PH380	Bagging Attachment Dust Chute	1
21	PH381	Bagging Attachment Bagging Box Stay 18.3/8"	2
22	PH382	Bagging Attachment Bagging Box Stay 15"	2
23	PH383	Bagging Attachment Discharge Elevator Dust Chute Flap Mounting Plate (Top)	1
24	PH384	Bagging Attachment Discharge Elevator to Bagging Box Rubber Flap	1
25	PH385	Bagging Attachment Discharge Elevator Dust Chute Flap Mounting Plate (Bottom)	1
26	PH386	Bagging Attachment Discharge Elevator Square Drive Tube (Short)	1
27	PH388	Bagging Attachment Discharge Elevator Drive Guard Tube (Short)	1
28	PH387	Bagging Attachment Discharge Elevator Knuckle Joint Square Shaft	1
29	PH389	Bagging Attachment Main Platform Wood Section	2
30	PH192	Sorting Conveyor Soil Extractor Chute Extension (Front)	1

NOTE: For Elevator Components – see Section 'E'



# H-POTATO GRADER & RIDGE ROLLER

REF. NO.	PART NO.	DESCRIPTION	NO. OFF	REF. NO.	PART NO.	DESCRIPTION	NO. OFF
		<b>POTATO GRADER</b>				<b>RIDGE ROLLER</b>	
1	PH500	Grader Unit Side L/R	1 Pr	1	SSR430	Ridge Roller Mounting Plate	1
2	PH501	Grader Unit End Plate	1	2	SSR431	Ridge Roller Mounting Arm	1
3	PH502	Grader Unit Potato Deflector L/R	1 pr.	3	SSR432	Ridge Roller Adjusting Screw	1
4	PH503	Grader Unit Angle Plate	1	4	SSR433	Ridge Roller Scraper Plate	1
5	PH504	Grader Unit Bagging Box Mounting Plate	1	5	SSR434	Ridge Roller Spindle	1
6	PH505	Grader Unit Reject Potato Box	1	6	SSR436	Ridge Roller Support Angle L.H.	1
7	PH506	Grader Unit Bag Clamp Support Strip	2	7	SSR437	Ridge Roller Support Angle R.H.	1
8	PH507	Grader Unit Bag Clamp Plate L/R	1 pr	8	FC1	Ridge Roller	1
9	PH508	Grader Unit Drive Chain Front Guard	1	9	PS441	Ridge Roller Spindle Bearing Bush	1
10	PH509	Grader Unit Bearing Guard	1	10	TC14	Ridge Roller Adjusting Screw Nut	2
11	PH510	Grader Unit Bagging Box	1	11	PS251	Ridge Roller Compression Spring	1
12	PH511	Grader Unit Spool Shaft	3				
13	PH512	Grader Unit Bearing Spacer Tube (Short)	3				
14	PH513	Grader Unit Bearing Spacer Tube (Long)	3				
15	PH514	Grader Unit Spool Tie Bar	3				
16	PH515	Grader Unit Plastic Stripper Finger	27				
17	PH516	Grader Unit 34T Drive Sprocket $\frac{1}{2}$ " Pitch (Not illustrated)	1				
18	PH517	Grader Unit 17T Spool Sprocket $\frac{1}{2}$ " Pitch	5				
19	PH518	Grader Unit Wooden Side Strip	2				
20	PH519	Grader Unit Guard Bolt	2				
21	PH521	Grader Unit Finger Stripper Bar	3				
22	PH522	Grader Unit Plastic Spacer 1 $\frac{1}{2}$ " Long	27				
23	PH523	Grader Unit Plastic Spacer 1 $\frac{1}{2}$ " Long	21				
24	PH524	Grader Unit Plastic Spacer 1 $\frac{3}{4}$ " Long	18				
25	PH526/34	Grader Unit 1st Reel Shaft to 2nd Reel Sprocket $\frac{1}{2}$ " Pitch Chain	1				
26	PH526/34	Grader Unit 2nd Reel Shaft to 3rd Reel Sprocket $\frac{1}{2}$ " Pitch Chain	1				
27	PH526/46	Grader Unit Delivery Elevator Shaft to 1st Reel $\frac{1}{2}$ " Pitch Chain	1				
28	SSR450	Grader Unit Grader Disc	27				
29	LFG 1"	Grader Unit Spool Shaft Bearing	6				
30	PH362	Grader Unit Bagging Box Divider	1				
31	PH377	Grader Unit Bagging Box Skirting Flap	2				



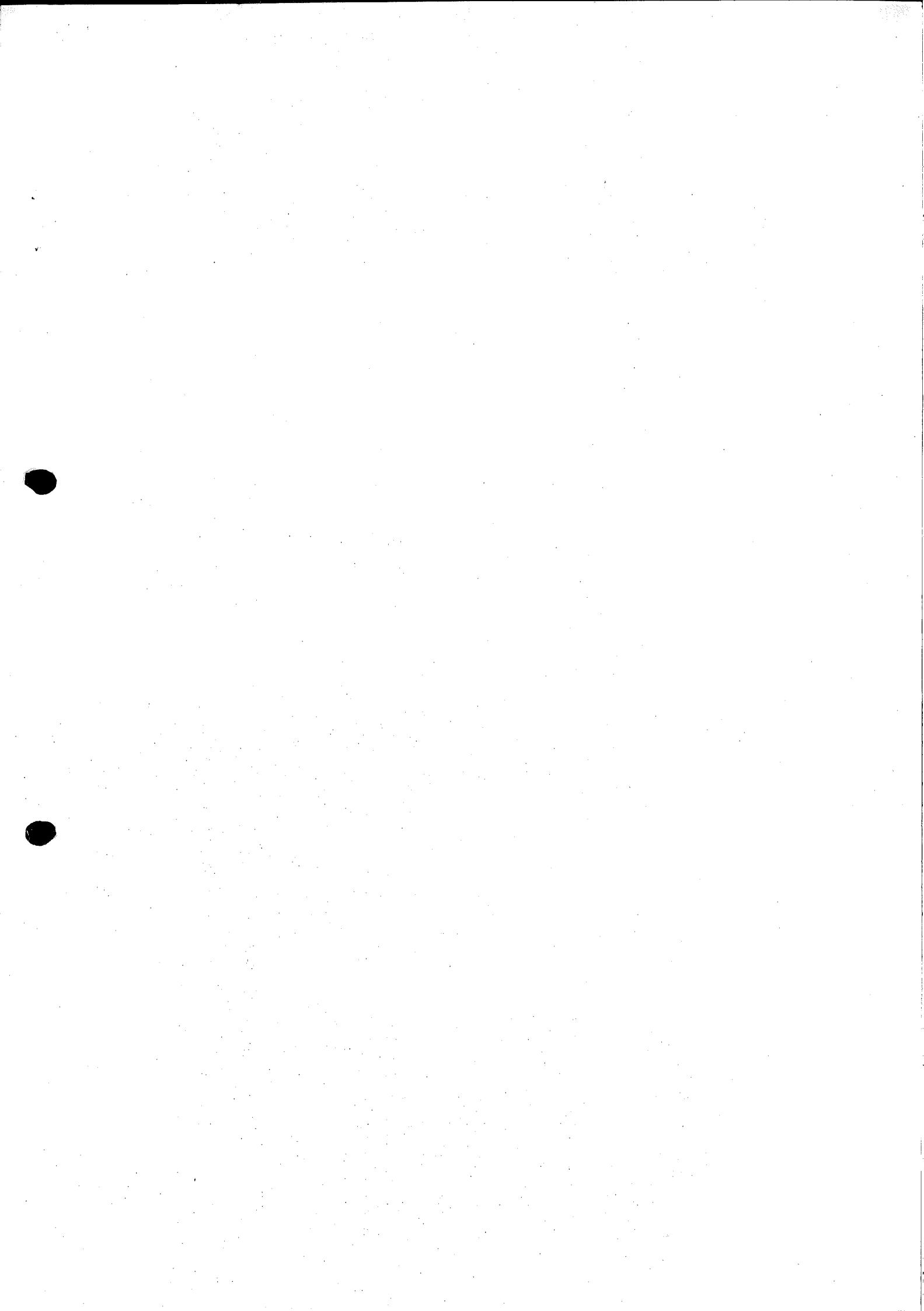
# J-ONION HARVESTING ATTACHMENT

REF. NO.	PART NO.	DESCRIPTION	NO. OFF
1	SSR399	Land Wheel Drive Assembly	1
2	SSR400	Onion Attachment Side Plate L.H.	1
3	SSR401	Onion Attachment Side Plate R.H.	1
4	SSR403	Chain Guard Back Plate	1
5	SSR404	Chain Guard	1
6	SSR405	Paddle Shaft	1
7	SSR408	Land Drive Wheel	1
8	SSR409	Tension Rod	1
9	SSR416	Onion Attachment Pivot Mounting Plate L.H.	1
10	SSR417	Onion Attachment Pivot Mounting Plate R.H.	1
11	SSR418	Paddle Shaft Rubber	3
12	SSR419	Onion Attachment Tie Bar	1
13	PH462	Tension Rod Bracket	1
14	PH463	Tension Rod Bracket Clamp Bar	1
15	TBMT15	Land Drive Wheel Sprocket	1
16	BMT19	Paddle Drive Sprocket	1
17	H211	Tension Rod Collar	1
18	H220	Tension Rod Spring	1
19	SLFL1"	Paddle Shaft Bearing	2
20	SSR420	Onion Attachment Spring	2
21	PH686	Return Roller Plate	2
22	PS666	Drive Chain	1
23	PS488	1" Bore Collar	2
24	PS386/N	Bush 1" Bore x 1" long	2
25	RH53	Bush 1" Bore x 1½" long	2
26		½" Gib Head Key	2









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**AGRICULTURAL MACHINERY**

**The 'Super Startrite' Potato Harvester**

**The 'Cyclone' Mk III Harvester**

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**The 'Rapide' Tanker Beet Harvester**

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