

NO. 22SG
CARTER UNIFLOW

CARTER DAY

CARTER DAY INDUSTRIES (CANADA) LTD.
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DEC-05-1995 14:07

P. 02

8503

STYLE NO C-ADM2

MACHINE
UNIT

No. 225C Hart Uni-Flow Cylinder Separator
Machine Proper

SHEET NO. 1
TOTAL SHEETS 9
DATE July 1970

• IN SUB ASSEMBLY

PART NO.	QTY	NAME OF PART	PART NO.	QTY	F	P
Section 1						
11445	2	Base, End Plate	2192	32985	M	X
11446	2	Base, End Plate	2193	32986	M	X
S-187	4	Bracket, No. 101 Bearing	1959	SC-3045		X
S-188	4	Bracket, No. 101 Bearing	1961	SC-3044		X
18266	2	Bracket, No. 103 Bearing	2968	42510		X
10718	4	Bracket, Worm	1965	32880	M	X
S-1157	1	Cover, Discharge End	S-1157	SC-4248	M	X
S-1292	1	Cover, Discharge End	S-1292	SC-4266	M	X
S-1293	2	Cover, Discharge End	S-1293	SC-4267	M	X
S-1164	1	Cover, Feed End	S-1164	SC-4240	M	X
S-1324	1	Cover, Feed End	S-1324	SC-4275	M	X
S-1325	1	Cover, Feed End	S-1325	SC-4276	M	X
S-1526	1	Cover, Feed End	S-1325	SC-4276	M	X
4463	12	Dog, Flighting L.H.	1521	21378	M	X
4653	10	Dog, Flighting R.H.	1526	21413	M	X
3105	4	Drum, Brake	1476	21030	M	X
W5270	4	End, Cylinder Conveyor	1960	SD-C1366	M	X
S-1353	1	Flange, No. 101 Bearing	S-1353	SC-3384		X
17521	2	Flange, No. 101 Bearing	2896	34651		X
S-1302	2	Flange, No. 103 Bearing	S-1302	SC-3363		X
11652	4	Gear, Worm	2236	33061	M	X
11457	2	Gland, Packing	2203	23621	M	X
4899	4	Handwheel	N-75	31275	M	X
10681	4	Head, Discharge	1934	32863	M	X
W5259	4	Head, Receiving	1946	SD-C1354	M	X
15758	4	Knob	2641	24945	M	X
10695	12	Plate, Filler	1948	32868	M	X
10682	4	Sleeve, Discharge	1935	32875	M	X
4903	4	Worm	N-73	21485	M	X
Section 2						
S-1379	1	Shaft, Conveyor 1-3/16" ϕ x 104-1/4"		SC-2363	M	
S-1366	1	Shaft, Conveyor Inclined 1-1/16" ϕ x 28-1/8"		SC-3378	M	
10769	1	Shaft, Cylinder Conveyor 1-1/16" ϕ		23760	M	
10770	1	Shaft, Cylinder Conveyor 1-1/16" ϕ		23760	M	
S-1528	1	Shaft, Grading Cylinder 1-3/16" ϕ		SC-2413	M	

MACHINE PARTS LIST

MACHINE
UNIT

No. 2250 Hart Uni-Flow Cylinder Separator
Machine Proper

STYLE NO. C-ADM2

SHEET NO. 2

TOTAL SHEETS 9

DATE July 1970

• IN SUB ASSEMBLY

PART NO.	QTY	NAME OF PART	PATT. NO.	UAC NO.	F	P
Section 2 (Cont'd)						
S-1530	2	Shaft, Recleaning Cylinder 1-3/16" Ø		SC-2415	M	
S-1529	1	Shaft, Separating Cylinder 1-3/16" Ø		SC-2414	M	
10726	1	Shaft, Worm		23751	M	
10727	3	Shaft, Worm		23751	M	
W4782	1	Sprocket 14T No. 41 Chain 5/8" Bore		N-10	M	
20381	1	Sprocket 17T No. 50 Chain 1-3/16" Bore		26207	M	
S-1393	1	Sprocket 26T No. 50 Chain 1" Bore		SC-3392	M	See Note
W5892	1	Sprocket 60T No. 41 Chain		SD-B1975	M	
S-1602	3	Sprocket 48T No. 50 Chain 1-3/16" Bore		SC-4363	M	
W5891	1	Sprocket 48T No. 50 Chain 1-3/16" Bore		SD-C1976	M	
Section 3						
S-1383	1	Angle, Deck 2" x 2" x 1/4" x 44-3/4"		SC-3389	M	See MDA
S-1524	1	Flighting L.H. 4" O.D., 1-1/4" C.O. 86" Long		32922	M	X
10750	2	Flighting L.H. 6" O.D., 1-1/4" C.O. 75-3/8" Long		32892	M	X
10751	2	Flighting L.H. 6" O.D., 1-1/4" C.O. 80-3/8" Long		32892	M	X
S-2581	1	Flighting R.H. 3-1/8" O.D., 1-1/8" C.O. 21-1/2" Long		32891	M	X
10747	2	Flighting R.H. 3-1/8" O.D., 1-1/8" C.O. 72-3/4" Long		32891	M	X
10748	2	Flighting R.H. 3-1/8" O.D., 1-1/8" C.O. 76-1/4" Long		32891	M	X
14607	3	Key 3/16" x 3/16" x 1-1/8"		24554	M	
20110	1	Key 3/16" x 3/16" x 2"		24554	M	
10639	2	Key 1/4" x 1/4" x 1-1/4"		21225	M	
6736	3	Key 1/4" x 1/4" x 1-1/2"		21225	M	
W5889	1	Key 1/4" x 1/4" x 1-3/8"		21225	M	
3605	4	Key 1/4" x 1/4" x 3"		21225	M	

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MACHINE PARTS LIST

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STYLE NO. C-ATM2

MACHINE
UNIT

No. 22 SG Hart Uni-Flow Cylinder Separator
Machine Proper

SHEET NO. 3
TOTAL SHEETS 9
DATE July 1970

• IN SUB ASSEMBLY

	PART NO.	QTY	NAME OF PART	PATT NO.	DWG NO.	F	P
			Section 4				
	11743	4	Angle		33088	S	
	S-1516	2	Brace, Angle Gear		SC-2399	S	
	S-1261	2	Channel, Side		SC-3348	S	
	S-1282	1	Channel, Side		SC-3349	S	
	S-1313	1	Channel, Side		SC-3355	S	
*	S-1369	1	Door, Angle Conveyor		SC-3387	S	
	S-1284	1	Door, Cleanout, Conveyor		SC-3351	S	
*	S-1326	1	End, Discharge, Angle Conveyor		SC-2356	S	
*	S-1362	1	End, Lower, Angle Conveyor		SC-2359	S	
	S-1311	1	Guard, Chain		SC-4273	S	
	W5224	1	Hopper, Feed		SD-B1276	S	See Note
	11784	1	Hopper, Tailings		40937	S	
	11785	1	Hopper, Tailings		40938	S	
	S-1361	1	Hopper, Tailings		SC-4300	S	
	S-1382	1	Hopper, Tailings		SC-4301	S	
*	S-1368	1	Plate, Back, Angle Conveyor		SC-3380	S	
	S-390	4	Plate, Cover		SC-2100	S	
	S-1515	2	Plate, Cover		SC-3420	S	
	S-1396	1	Plate, Deflector		SC-4303	S	
	S-1378	1	Plate, End, Drive, L.H.		SC-4298	S	
	S-1357	1	Plate, End, Feed, L.H.		SC-4292	S	
	S-1375	1	Plate, End, Drive, R.H.		SC-4296	S	
	S-1352	1	Plate, End, Feed, R.H.		SC-4269	S	
*	S-1367	1	Plate, Front, Angle Conveyor		SC-3379	S	
	S-1380	1	Plate, Lower Side		SC-4299	S	
	S-1290	1	Plate, Motor Support		SC-3357	S	See MDA
	S-1286	1	Plate, Side Conveyor		SC-3353	S	
	S-1291	1	Plate, Side Conveyor		SC-3358	S	
	S-1283	1	Plate, Support, Speed Reducer		SC-3350	S	See MDA
	S-1358	1	Plate, Top L.H.		SC-4293	S	
	S-1377	1	Plate, Top R.H.		SC-4297	S	
	S-1319	1	Plate, Upper Side L.H.		SC-4274	S	
	S-1364	1	Plate, Upper Side R.H.		SC-4302	S	
*	S-2579	1	Plate, Washer Retaining		SC-2605	S	
*	S-1354	2	Retarder		HES4095	S	
*		2	Shell, Cylinder, Indented 85" Long		40773	W	
*		2	Shell, Cylinder, Indented 90" Long		40773	W	
*	13145	4	Strip, Cylinder		33524	S	
*	11636	4	Strip, Cylinder Discharge		33055	S	
*	S-1365	1	Slide, Sample Spout		SC-2362	S	
	S-1265	1	Spout, Conveyor Discharge		SC-3352	S	

MACHINE PARTS LIST

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STYLE NO. C-ATM2

MACHINE
UNIT

No. 22SG Hart Uni-Flow Cylinder Separator
Machine Proper

SHEET NO. 4
TOTAL SHEETS 9
DATE July 1970

IN SUB ASSEMBLY

	PART NO	QTY	NAME OF PART	PATT. NO	DRG. NO.	F	P
1							
2			Section 4 (Cont'd)				
3							
4	S-1363	1	Spout, Discharge, Angle Conveyor		SC-2360	S	
5	W3164	1	Spout, Extension Wild Out		HES4060	S	
6	W3166	1	Spout, Extension, Large Grain		HES4062	S	
7	W3167	1	Spout, Extension, Medium Grain		HES4063	S	
8	W3185	1	Spout, Extension, Small Grain		HES4077	S	
9	S-1364	1	Spout, Sample, Angle Conveyor		SC-2361	S	
10	S-1386	1	Support, Angle Conveyor		SC-2364	S	
11	S-1400	2	Trough, Cylinder Conveyor		SC-4305	S	
12	S-1401	2	Trough, Cylinder Conveyor		SC-4305	S	
13	W3168	1	Spout, Extension, Seeds		HES4064	S	
14							
15							
16							
17			Section 5				
18							
19	1118	4	Brake, Handwheel		2907	S	
20	11521	8	Bushing, Bronze		23841		X
21	18128	1	Clip, Hinge 1/4"		25681	S	
22	280	5	Collar, Set 1-1/16" x 1-11/16" x 3/4"		2768	M	
23	1585	4	Collar, Set 1-3/16" x 1-15/16" x 5/8"		20158	M	
24	W4845	4	Gear, Spur 16T, 6P, 1-1/16" Bore		SD-A696		X
25	19839	4	Lining, Nylon Bearing		35446		X
26	S-1456	4	Ring, Felt Retaining		SC-3408	M	
27	204	8	Ring, Lock 2-9/64" Diameter		2735		X
28	W5890	4	Pin Shear (3Spares)		SD-A5890	M	
29	S-2580	3	Spacer, 3/4" Diameter x 1/4 FHK		SC-2606	M	
30	S-398	24	Thumbscrew 1/4 - 2- x 1/2"		SC-2101		X
31	S-398	8	Thumbscrew 1/4 - 20 x 1/2"		SC-2101		X
32		6	Pieces Inner Tube 5.50 x 15				
33			(11 pieces per Tube)				
34	2913	3	Washer, Felt 1-3/4" x 1-1/16" x 1/4"		20364		X
35	3773	11	Washer, Felt 2" x 1-1/16" x 1/4"		2804		X
36	10822	12	Washer, Felt 2" x 1-3/16" x 1/4"		23777		X
37	10822	6	Washer, Felt 2" x 1-3/16" x 1/4"		23777		X
38	S-1457*	4	Washer, Felt 7-1/2" x 6-5/8" x 1/4"		SC-2382		X
39	5410	1	Washer, Fiber 1-3/4" x 1-1/8" x 1/16"		21637		X
40	18265	2	Washer, Fiber				
41	10820	8	Washer, Packing 1-63/64" x 1-1/8" x				
42			1/16"		23775		X
43	10821	9	Washer, Packing 1-63/64" x 1-1/4" x				
44			1/16"		23776		X
45	10821	6	Washer, Packing 1-63/64" x 1-1/4" x 1/16"		23776		X
46							
47							
48							

MACHINE PARTS LIST

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STYLE NO. C-ATM2

MACHINE
UNIT

No. 22SG Hart Uni-Flow Cylinder Separator
Machine Proper

SHEET NO. 5
TOTAL SHEETS 9
DATE July 1970

• IN SUB ASSEMBLY

QTY	PART NO	NAME OF PART	PATT. NO	ORIG. NO.	F	P
Section 6						
1	S-1394	1 Angle Gear Hub City No. RAD2-11-AC				X
2	17517	5 Bearing SKF No. 1736206-101				X
3	16536	6 Bearing SKF No. 1736206-103				X
4	16536	4 Bearing SKF No. 1736206-103				X
5	W4805	4 Bearing Sealmaster No. L17				X
6	17061	4 Bolt, Special Con. Rod 1/4"-20x1-11/32"		25240		X
7	16231	3 Bolt, Special Con. Rod 1/4"-20x1-1/2"		25240		X
8	9125	54 Bolt, Special Con. Rod 5/16"-18x1-31/32"		25051		X
9	10894	2 Bolt, Special Con. Rod 5/16"-18x2-1/4"		23794		X
10	5546	1 Bushing, Bronze Boston No. M1923-10		21672		X
11	W5893	1 Chain, RC41, 75P				X
12	S-1603	1 Chain, RC50, 250P				X
13	S-1371	1 Coupling, Browning No. FS3, 5/8" Bore				X
14	8132	4 Grease Fitting 90° Alemite No. 1613				X
15	14007	4 Grease Fitting 180° Alemite No. 1610				X
16		1 1 Pound Grease				X
17		1 Gun, Grease				X
18	S-459	6 Label Warning		SC-2115		X
19	10870	4 Plate, Indicator				
20		1 Plate, Serial				
21	S-1395	1 Reducer, Speed Winemith No. 800				
22		Std. Assembly R-L 5.9:1				
23		2 Transfer Trademark				
Section 7						
24	S-1370	1 Assembly Angle Conveyor 280, 2913, 5410, 14607, 16231, 17061, 17517, 18128, S-1326, S-1353, S-1362, S-1363, S-1364, S-1365, S-1367, S-1368, S-1369, S-1371, S-1394, S-1516, S-2579, S-2580, W4505		SC-4295		A
25	10757	2 Assembly Flighting 6" L.H. 75-3/8" 4463, 10750		32894		M
26	10758	2 Assembly Flighting 6" L.H. 80-3/8" 4463, 10751		32896		M
27	S-1525	1 Assembly Flighting 4" L.H. 86" 4463, S-1524		33157		M

MACHINE PARTS LIST

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STYLE NO. C-ATM2

MACHINE
UNIT

No. 22SG Hart Uni-Flow Cylinder Separator
Machine Proper

SHEET NO. 6
TOTAL SHEETS 9
DATE July 1970

IN SUB ASSEMBLY

PART NO	QTY	NAME OF PART	PART NO	QTY	F	P
Section 7 (Cont'd)						
* 10754	2	Assembly Flighting 3" R.H. 72-3/4" 4653, 10747		32893	M	
* 10755	2	Assembly Flighting 3" R.H. 76-1/4" 4653, 10748		32893	M	
(*) S-2582	1	Assembly Flighting 3" R.H. 21-1/2" 4563, S-2581		32891	M	
S-1387	1	Assembly Cylinder No. 13 Indent W4049, W425P, W4805, W4845, W5270, 204, 280, 1585, 3605, 3773, 8132, 10681, 10820, 10821, 10822, 11586, 14007, 16536, 17517, 19839, S-187, S-188, S-1400, S-1455, S-1456, S-1457, Shell 85"		SC-5121	A	
S-1388	1	Assembly Cylinder No. 19 Indent W4044, W4045, W4805, W5270, 204, 280, 1586, 3605, 3773, 8132, 10681, 10820, 10821, 11586, 14007, 16536, 17517, 19839, S-187, S-188, S-1401, S-1455, S-1456, S-1457, Shell 90"		SC-5122	A	
S-1389	1	Assembly Cylinder No. 8-1/2 Indent W4044, W4045, W4805, W4845, W5270, 204, 280, 1585, 3605, 3773, 8132, 10681, 10620, 10821, 10822, 11586, 14007, 16536, 17517, 19839, S-187, S-188, S-1401, S-1455, S-1456, Shell 90"		SC-5123	A	
S-1390	1	Assembly Cylinder No. 22 Indent W4049, W4258, W4805, W4845, W5270, 204, 280, 1585, 3605, 3773, 8132, 10681, 10820, 10821, 10822, 11586, 14007, 16536, 17517, 19839, S-187, S-188, S-1354, S-1400, S-1454, S-1456, S-1457, Shell 85"		SC-5124		
* W4258 ✓	2	Shaft & Flighting Assembly 6" L.H. S-1530, 10757			M	
* W4044 ✓	1	Shaft & Flighting Assembly 6" L.H. S-1529, 10758			M	

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MACHINE PARTS LIST

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MACHINE
UNIT

No. 22SG Hart Uni-Flow Cylinder Separator
Machine Proper

STYLE NO. C-APM2

SHEET NO. 7
TOTAL SHEETS 9
DATE July 1970

• IN SUB ASSEMBLY

PART NO.	QTY REQD	NAME OF PART	PART NO.	QTY REQD	F	P
Section 7 (Cont'd)						
* W4047	1	Shaft & Flighting Assembly 6" L.H. $\leftarrow$ Z S-1528, 10758			M	
W4504	1	Shaft & Flighting Assembly 4" L.H. $\rightarrow$ S-1379, S-1525			M	
* W4049	2	Shaft & Flighting Assembly 3" R.H. 10769, 10754			M	
* W4045	2	Shaft & Flighting Assembly 3" R.H. 10770, 10755			M	
* W4505	1	Shaft & Flighting Assembly 3" R.H. S-1366, S-2582			M	
* 11586	4	Sleeve, Discharge Assembly 10682, 11521		33041	M	
W5887	1	Sprocket 60T & Bushing Assembly W5891, W5888		SD-B1977	M	
* S-1455	4	Receiving Head Assembly 10695, S-398, W5259		SC-4314	M	
20						
21						
22						
23						
24						
Section 8						
25						
26	4	Felt, Pressure Sensitive No. 500 1/8"				
27		Thick, 5/8" Wide, 3-1/4" Long				
28	39	Nut, Hex 1/4"-20				
29	85	Nut, Hex 5/16"-18				
30	69	Nut, Hex 3/8"-16				
31	4	Pin, Cotter 3/16" x 1-1/2"				
32	8	Screw, Cap. Hex Hd. 5/16"-18x5/8"				
33	10	Screw, Cap. Hex Hd. 5/16"-18x3/4"				
34	7	Screw, Cap. Hex Hd. 3/8"-16x3/4"				
35	4	Screw, Drive, No. 4 x 3/16"				
36	2	Screw, Mach. F.H. 5/16"x18x1"				
37	4	Screw, Cap. Hex Hd. 1/4" - 20 x 5/8"				
38	8	Screw, Cap Hex Hd. 5/16" - 18 x 3/4"				
39	16	Screw, Mach. Hex Hd. 3/8" - 16 x 3/4"				
40	15	Screw, Cap. Hex Hd. 3/8" - 16 x 1"				
41	2	Screw, Cap. Hex Hd. 3/8" - 16 x 1-1/4"				
42	12	Screw, Mach. Rd. Hd. #8-32x3/8" Brass				
43	50	Screw, Mach. Rd. Hd. 1/4" - 20 x 3/8"				
44	13	Screw, Mach. Rd. Hd. 1/4" - 20 x 1/2"				
45						
46						
47						
48						

MACHINE PARTS LIST

STYLE NO. C-ADM2

MACHINE
UNITNo. 22SG Hart Uni-Flow Cylinder Separator
Machine ProperSHEET NO. 8
TOTAL SHEETS 9
DATE July 1970

• IN SUB ASSEMBLY

PART NO	NAME OF PART	PART NO	QTY	F	P
Section 8 (Cont'd)					
10	Screw, Mach. Rd. Hd. 1/4" - 20 x 5/8"				
6	Screw, Mach. Rd. Hd. 5/16" - 13 x 1/2"				
6	Screw, Mach. Rd. Hd. 5/16" - 18 x 3/4"				
2	Screw, Set Hol. Hd. 5/16" - 18 x 3/4"				
2	Screw, Set Hol. Hd. 3/8" - 16 x 5/8"				
2	Screw, Set Hol. Hd. 3/8" - 16 x 3/4"				
8	Screw, Set Sq. Hd. 5/16" - 18 x 1/2"				
4	Screw, Set Sq. Hd. 3/8" - 16 x 5/8"				
2	Screw, Set Sq. Hd. 3/8" - 16 x 3/4"				
8	Screw, Set Sq. Hd. 3/8" - 16 x 1-1/4"				
4	Screw, Set Sq. Hd. 1/2" - 13 x 3/4"				
2	Washer, Lock 1/4"				
32	Washer, Lock 3/8"				
1	Wrench, Hol Hd. Set Screw 1/4"				
1	Wrench, Hol Hd. Set Screw 5/16"				
1	Wrench, Hol Hd. Set Screw 3/8"				
Section 9					
	Data, Installation U.S.A.		SC-4198		
	Data, Installation Canada		SD-D896		
	Data, Installation Japan		SD-D898		
	Data, Installation Less Scalper Canada		SD-D901		
	Data, Installation Less Scalper Japan		SD-D899		
	Data, Installation With Grain Flow		SD-D900		
	Longitudinal Section		SC-5125		
	Drive End View		SC-5127		
	Chart Painting		SC-4331		
	Weight Net: Mach. 2,315 Pounds				
	Scalper 610 = 3,125 Lbs.				
	Shipping: Mach. 2,530 Pounds				
	Scalper #55 = 3,385 Lbs.				
Note 1	Machinery Instructions No. W102				
Note 2	Cylinder Indent To Be Specified On Shop Order				

MACHINE PARTS LIST

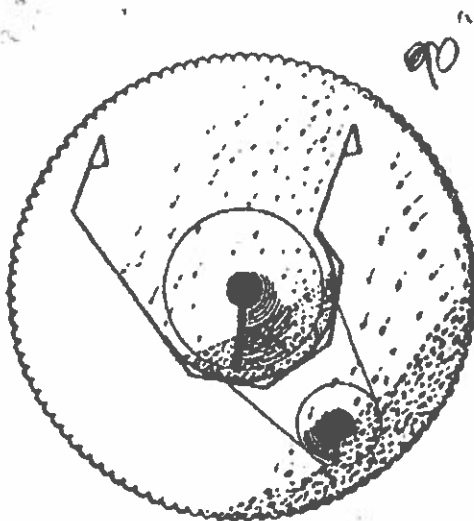
MACHINE
UNITNo. 22SG Hart Uni-Flow Cylinder Separator
Machine Proper

STYLE NO. C-ADM2

SHEET NO. 9
TOTAL SHEETS 9
DATE July 1970

• IN SUB ASSEMBLY

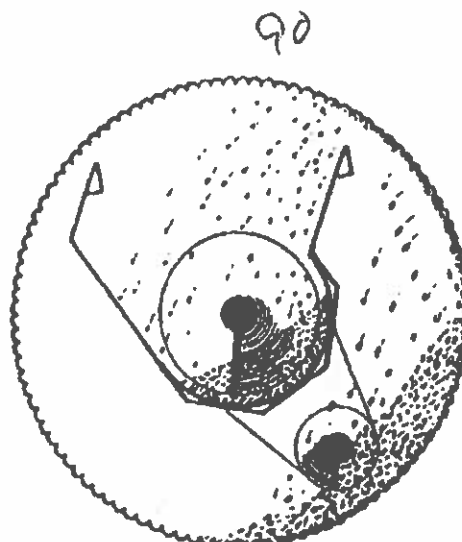
PART NO.	QTY	NAME OF PART	PART NO.	ENG. NO.	F	P
Section 9 (Cont'd)						
Note 3		Machine Proper Drive See M.D.A.				
	1	2.6" to 3.6" P.D. Adjustable Sheave, 2 Groove, "A" Section, 7/8" Bore (2VP42)				
	1	10.6" P.D. Sheave, 2 Groove, "A" Section, 3/4" Bore (2TA106)				
	2	Matched V-Belts A60				
	1	Motor, 2 H.P., @ 1800 R.P.M., Frame No. 184 With Base				
		Scalper Drive				
	1	2.6" to 3.6" P.D., Adjustable Sheave, 2 Groove, "A" Section, 7/8" Bore (2VP42)				
	1	6.0" P.D., Sheave, 2 Groove, "A" Section, 1-3/16" Bore (2TA60)				
	2	Matched V-Belts A60				
	1	Motor 2 H.P., @ 1800 R.P.M., Frame No. 184 With Base				
Note 4		Feed Hopper For Machine Less Scalper				
W4986	1	Hopper, Feed		SD-C902		S
Note 5		Variable Speed MDA Consists Of				
	1	"Hi Lo" Adj. Economy Motor Base No. 145				
	1	"Hi Lo" Double Com. V-Belt Pulley No. 255, 7/8" Bore				
	2	Matched V-Belts A75				
		Omit Plate Motor No. S-1290. Mount Motor In Assembly Slot M.B. Holes 1/4" Toward Feed End. Replace 26T Sprocket No. S-1393 With 20T Sprocket No. W5833				
Note 6		Grain Flow Assembly Consists Of				
W3165	6	Hopper, Sliding		HES4061		S
W3162	1	Roller, Sliding Hopper		HES4059		S
	3	Fir Blocks 2" x 6" x 8"				
	1	Fir Blocks 2" x 6" x 24"				
16438	2	Pedestal		34356		M
W4987	2	Pedestal		SD-B903		M
		Installation Data.		SD-D900		



CYLINDER "C"

CYLINDER C (No. 8 1/2)

Cylinder C receives the small, medium and cracked grain with weed seeds and buckwheat from Cylinder A, and should contain no wild oats. This cylinder lifts the weed seeds, buckwheat, and cracked grain out of the good, small and medium grain.

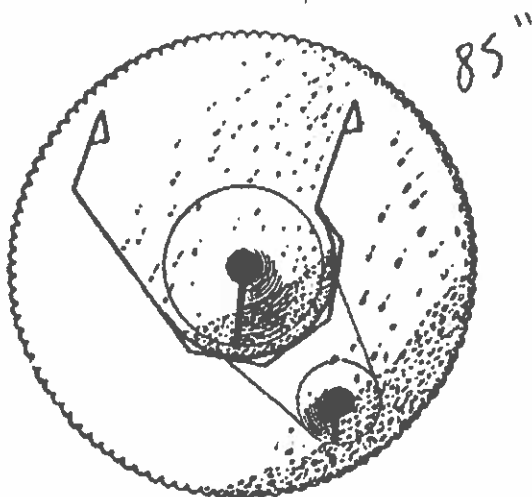


CYLINDER "A"

CYLINDER A (No. 19)

The function of this cylinder is to divide the grain being cleaned into two products:

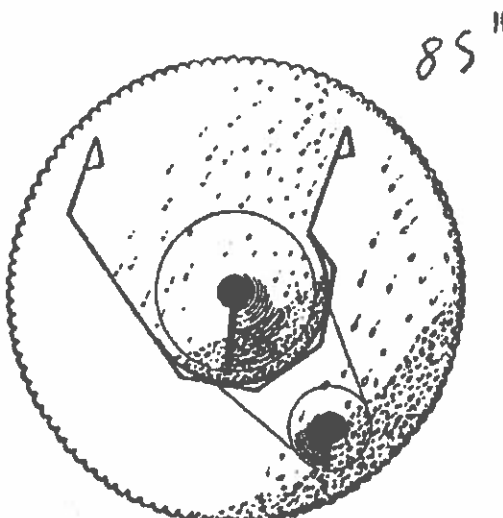
1. Lifting the weed seeds, buckwheat, small and medium size grain going into Cylinder C through the uplift conveyor at the back end of the machine.
2. Tailing the large grain and wild oats into the lower Cylinder B.



CYLINDER "D"

CYLINDER D (No. 13)

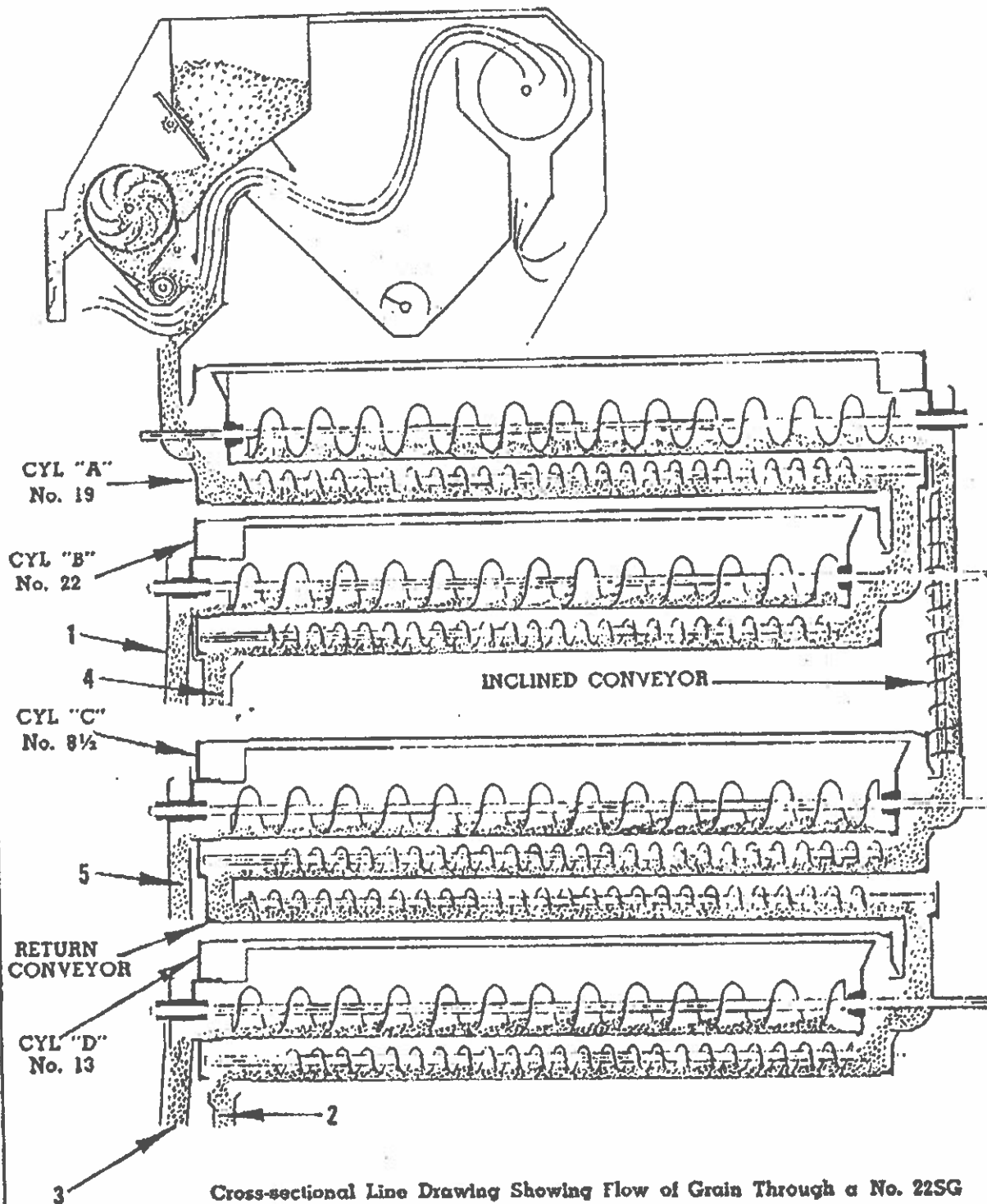
Cylinder D receives the small and medium sized grain from the upper Cylinder C and should contain no weed seeds or buckwheat. This cylinder lifts the small grain out of the medium grain.



CYLINDER "B"

CYLINDER B (No. 22)

This cylinder receives all the wild oats and large grain from the upper Cylinder A. The function of this cylinder is to lift the large grain from the wild oats.



Cross-sectional Line Drawing Showing Flow of Grain Through a No. 22SG
Hart Uni-flow Grain Separator

Note Uniformity of Grain Line in All Cylinders, due to Exclusive
Power Driven Hart Uni-flow Grain Line Control