



Repair Chart — Fig. 601, Star Steel Back-Geared Windmills

# Repair List

Fig. 601

## Star Steel Back-Geared Pumping Windmills

These mills not made now, but repairs are furnished as here listed.

No. of Casting	Description of Parts	4-Foot Mill		6-Foot Mill		8-Foot Mill		10-Foot Mill		12-Foot Mill		14-Foot Mill		16-Foot Mill	
		Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price
1	Main Casting and Pipe	SP1B	\$9 90	SP1B	\$9 90	OLL1	\$13 35	ALL1	\$14 85	BL1	\$23 35	CP1B	\$45.00	DP1B	\$84.00
	Main Casting Pipe, when ordered separately		.90		.90		1 35		1 35		1 35		3 00		4 00
3	Spider	1857	.65	1857	.65			AL3	1 60	BL3	1 80	CP3	14.00	DP3	8.00
3 1/2	Spider	SP3 1/2 B	1 50	SP3 1/2 B	1 50	A003 1/2	3 25	AL3 1/2	4 80	BL3 1/2	5 00	1847	2 75	1867	6 50
4	Pitman	SP4	1 20	SP4	1 20	A04	1 60	AL4	2 00	BL4	2 50	CP4	4 00	DP4	4 50
7	Governor Arm	SP6	.90	SP6	.90	A06	1 20	AL5	1 60	BL6	2 00	CP6	3 00	DP6	4 50
	Shifting Arm	SP7	.50	SP7	.50	A07	.60	AL7	1 00	BL7	1 10	CP7	2 00	DP7	3 00
	Upper Swivel Ctg.	AA7	.40	AA7	.40	AA7	.40	AA7	.40	BB7	.80	D7	1 00	D7	1 00
	Lower Swivel Ctg.	AA7 1/2	.15	AA7 1/2	.15	AA7 1/2	.15	AA7 1/2	.15	BB8 1/2	1 00	CD8	1 40	CD8	1 40
	Lower Swivel Ctg.	AA8	.50	AA8	.50	AA8	.50	AA8	.50	BB8 1/2	1 00	CD8	1 40	CD8	1 40
	Swivel Strap, each									BB	.30	CD	.75	CD	.75
	Swivel Complete		1 50		1 50		1 50		1 50		3 50		5 50		5 50
9	Large Gear	957	1 50	957	1 50	987	2 75	AL9	3 00	907	4 75	947	10 00	967	18 00
9	Large Gear 2 1/2 to 1, 1 1/2-in. Shaft					OLL9	2 75								
9 1/4	Wrist Pin	3057	.60	3057	.60	3087	.65	AL9 1/4	.75	3007	.75	3047	1 10	3067	1 25
9 1/4	Pinion	1057	.50	1057	.50	1087	.60	AL9 1/2	1 10	1007	1 60	1047	3 00	1067	4 00
9 1/4	Pinion 2 1/2 to 1					AA09 1/2	.60								
10 1/4	Rudder Casting	SP10 1/4	1 75	SP10 1/4	1 75	AO10 1/4	2 50	ALL10 1/4	3 75	BL10 1/4	5 50	CP10 1/4	10 00	DP10 1/4	16 00
11	Pump Rod Connection	SP11	.50	SP11	.50	AO11	.50	AO11	.50	BO11	.75	DP11	1 25	DP11	1 25
12 1/2	Sheave Cover	SP12	.35	SP12	.35	AO12	.40	AO12	.40	BL12	.50	BO12	.75	DP12	1 00
15	Sheave	SP12 1/2	20	SP12 1/2	20	AO12 1/2	25	AO12 1/2	25	AO12 1/2	25	AO12 1/2	25	DP12 1/2	1 00
19	Walking Beam	SP15	1 20	SP15	1 20	AO15	1 60	AL15	2 00	AP15	2 40	CP15	5 00	DP15	8 00
21	Brake Cover	SP19	.30	SP19	.30	AO19	.50	AL19	.65	BL19	1 00				
21 1/4	Brake Shoe	SP21	.60	SP21	.60	AO21	.60	AP21	.65	AP21	.65	CP21	1 00	DP21	1 25
21 1/2	Brake Bar	SP21 1/2	.15	SP21 1/2	.15	AO21 1/2	.25	AL21 1/2	.30	BL21 1/2	.50	CP21 1/2	.50	DP21 1/2	.90
21 3/4	Brake Round Spring	SP21 3/4	.25	SP21 3/4	.25	AO21 3/4	.25								
23	Brake Coil Spring	SP23 1/4	.05	SP23 1/4	.05	AO23 1/4	.05	AL23 1/4	.10	BL23 1/4	.10	BL23 1/4	.10	DP23 1/4	.10
24	Bottom Cap	JO23	.40	JO23	.40	AO23	.50	AO23	.50	B23	.70	2247	.80	2267	6 50
24	Brake Circle					A24	2 50	A24	2 50	B24	4 00	C24	4 00	D24	6 00
25	Governor Ball	3357	.30	3357	.30	3387	.50	3307	.60	3327	.80	3347	1 20	3367	2 00
30	Main Shaft	SP29-4	1 00	2457-6'	1 00	2487	1 25	AL29	2 00	BL29	3 00	2447	6 50	2467	8 00
31	Crankshaft	2557	.60	2557	.60	2587	.75	AL30	1 00	BL30	1 60	2547	3 25	2567	4 00
32	Walking Beam Stud	SP31	.25	SP31	.25	AO31	.30	AO31	.30	AP31	.40	CP31	.60	DP31	1 00
33	Pump Rod Pin	SP32	.25	SP32	.25	AO32	.40	AO32	.40	AP32	.60	CP32	.70	DP32	.80
34	Governor Stud	SP33	.25	SP33	.25	AO33	.40	AL33	.45	AP33	.60	CP33	.85	DP33	1 00
35	Connecting Hook	SP34	.25	SP34	.25	AO34	.30	AL34	.40	AP34	.40	CP34	.80	DP34	1 00
87 1/2	Rudder Circle Iron	SP36	.25	SP36	.25	AO36	.30	AL36	.40	BL36	.50	CP36	.80	DP36	1 00
33 1/2	Pump Rod	SP37 1/2	1 00	SP37 1/2	1 00	AO37 1/2	1 25	AO37 1/2	1 25	BL37 1/2	1 60	CP37 1/2	2 00	DP37 1/2	2 50
39	Shifting Rod	A14	.30	A14	.30	A14	.30	A14	.30	A14	.30	C14	.60	C14	.60
	Governor Chain	SP39	.40	SP39	.40	AO39	.60	AO39	.60	BL39	.70	CP39	1 20	CP39	1 20
	Bed Plate Retainer and Washers	1 1/2-in.	1 00	1 1/2-in.	1 00	2-in.	1 20	2-in.	1 20	2-in.	1 35	2 1/2-in.	1 50	3-in.	1 80
	Thrust Retainer and Washers	1-in.	.80	1-in.	.80	1 1/2-in.	.80	1 1/2-in.	.90	1 1/2-in.	1 00	1 1/2-in.	1 35	2 1/2-in.	1 50
	Pump Rod, per foot	1 1/2-in.	.06	1 1/2-in.	.06	1 3/4-in.	.06	1 3/4-in.	.06	1 1/2-in.	.10	2 1/4-in.	.15	2 1/4-in.	.15
	Spice Irons and Bolts, per pair		.30		.30		.30		.30		.35		1 25		1 25
	Short Wheel Hoop each		.25		.30		.30		.35		.45		.70		.70
	Long Wheel Hoop, each		.60		.60		.50		.60		.70		1 50		1 40
	Large Fan Bracket, ea		.15		.15		.15		.20		.30		.30		.30
	Small Fan Bracket, ea		.05		.05		.05		.05		.10		.10		.10
	Wheel Fan, Less Bracket, each		.50		.60		1 00		1 20		1 90		2 25		2 60
	Wheel Arms, each		.60		.75		1 00		1 50		2 00		3 50		5 00
	Wheel Section, Less Arm		3 75		5 00		5 50		8 00		8 50		13 00		14 50
	Complete Secs. for Wheel, Less Arms	4	11 00	4	14 00	6	20 00	6	30 00	8	46 00	8	75 00	10	100 00
	Rudder Stem		2 00		2 50		3 50		5 50		8 00		14 50		20 50
	Rudder, Less Stem		5 00		5 50		6 50		9 50		14 00		20 50		29 00
	Automatic Oil Cups, each		.35		.35		.35		.35		.35		.35		.35
	Oil Cup Covers, each		.05		.05		.05		.05		.05		.05		.05