

Monitor

REPAIR CATALOGUE No. 50



Baker Manufacturing Company
Factory, Evansville, Wisconsin

Suggestions for Ordering

In ordering Windmill Repairs, give Symbol and Number of Part, Name of Part and Size of Wheel.

In ordering Engine Repairs, give Symbol and Number of Part, Name of Part, Size and Type of Engine and Factory Number of Engine.

Monitor Repair Parts are carried in stock at the following points:

Baker Manufacturing Company

EVANSVILLE, WISCONSIN, U. S. A.

Fredericksburg, Iowa

Cedar Rapids, Iowa

Fort Dodge, Iowa

Omaha Nebraska

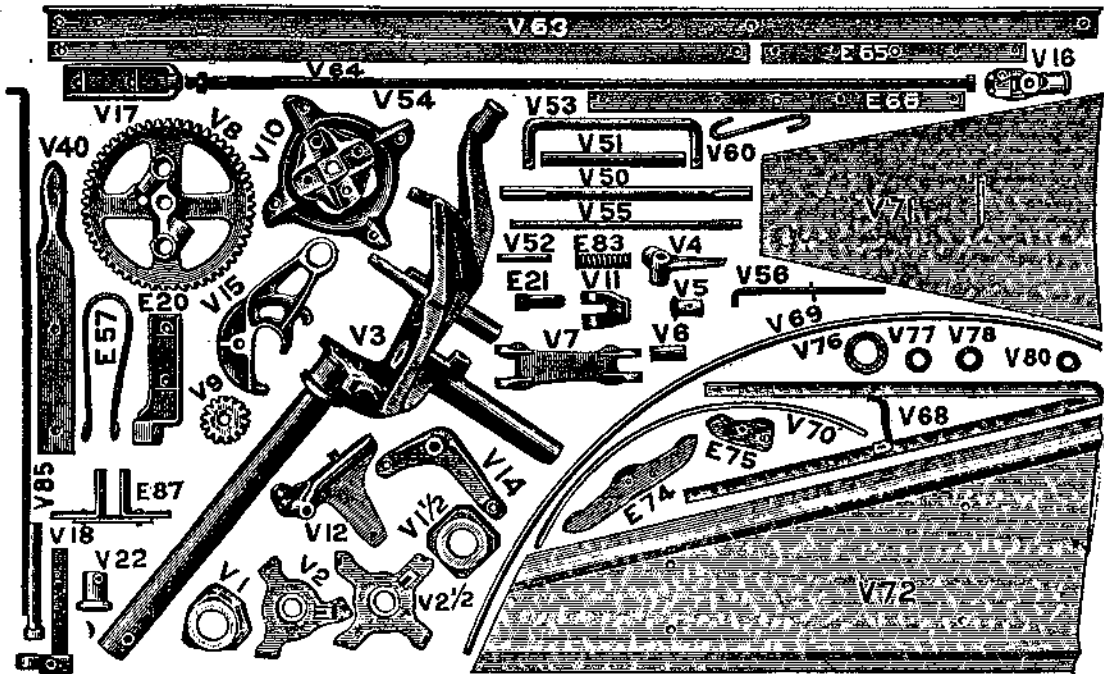
Alameda, California

Kansas City, Missouri

North Western Wind Engine Company

Minneapolis, Minnesota

REPAIR PARTS FOR FIVE FOOT STEEL MILL



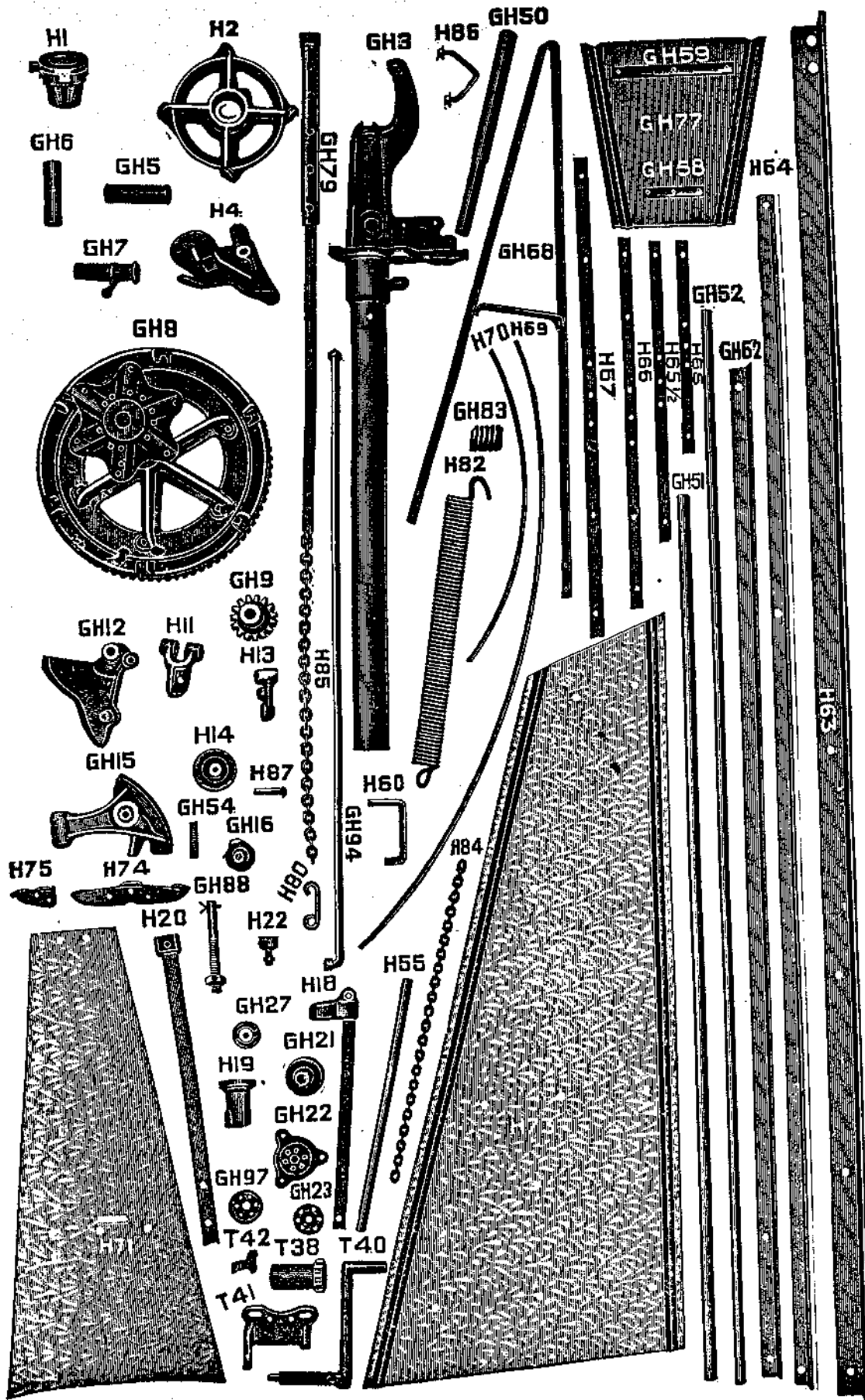
REPAIR LIST FOR FIVE-FOOT STEEL MILL

Symbol		Price	Wt.	Symbol		Price	Wt.
V1	Upper tower casting, 3 post	\$0.30	2.2	E21	Grease plunger	.10	.2
V1½	Upper tower casting, 4 post	.30	2.5	V22	Pipe collar	.20	.6
V2	Lower tower casting, 3 post	.20	1.1	V52	Guide pin	.10	.2
V2½	Lower tower casting, 4 post	.20	1.6	V53	Pitman	.50	1.2
V3	Main casting	5.00	21	V54	Piston rod	.40	1.9
V4	End trust casting	.20	.7		Piston rod with V17	.70	2.2
V5	Bronze bushing for V8	.50	.2	V55	Vane pin	.20	.6
V6	Bronze bushing for V3	.20	.1	V56	Brake rod	.20	.3
V7	Pitman guide	.30	1.3	V60	Bell crank link	.10	.2
V8	Crank gear with shaft and bushing	2.00	7	V63	Vane stem	1.00	5
V9	Pinion	.30	.9	V64	Vane truss	.50	2.5
V10	Spider with shaft	2.00	8	E65	Vane rib—short	.20	.8
V11	Upper vane hinge	.10	.4	E66	Vane rib—long	.30	1.1
V12	Lower vane hinge	.40	2.5	V68	Arm	.50	2
V14	Bell crank	.30	1.5	V69	Outer rim	.50	2.3
V15	Brake	.30	2	V70	Inner rim	.20	.8
V16	Piston eye with clip	.40	1	V71	Sail with clip	.80	1.6
V17	Pump-pole socket	.30	1.1	E74	Sail clip—large	.10	.2
V18	Swivel slide	.30	.7	E75	Sail clip—small	.10	.1
K20	Pump attachment	.60	2.3	E83	Brake spring	.10	.2
				V85	Pull-out rod and swivel	.70	.9
				Completed Parts			
					Pull-in lever, fulcrum bail	.80	1.5
					One section complete	3.00	8

REPAIR LIST FOR MONITOR STEEL MILLS

Name of Part	8-Foot K Style			10-Foot J Style			12-Foot H Style		
	Symbol	Price	Weight	Symbol	Price	Weight	Symbol	Price	Weight
Upper tower casting, 4-post.	K1	\$0.40	3.6	K1	\$0.40	3.6	H1	\$0.80	6
Upper tower casting, 3-post.	3J1	1.00	9	3J1	1.00	9			
Lower tower casting, 4-post.	K2	.40	3.3	J2	.60	4	H2	1.40	12
Lower tower casting, 3-post.	3K2	.40	2.4	3J2	.40	3.2			
Main casting with bushings	K3	9.00	47	J3	12.00	63	H3	24.00	113
Sheave shield	K4	.60	4	J4	1.00	5	H4	1.80	10
Sheave shield with sheaves		1.00	5.4		1.50	6.8		2.70	15
Bushing for crank gear	K5	.40	.2	X5	.80	.4	H5	1.20	.5
Bushing for main casting	K6	.50	.3	J6	.80	.5	H6	1.30	.5
Pitman guide	E7	.50	2.6	X7	.70	5	H7	1.40	8
Crank gear with shaft & tush.	K8	3.00	15	X8	4.50	25	H8	7.50	41
Pinion	E9	.70	3.3	X9	1.00	6	H9	1.80	10
Wheel hub with shaft	K10	3.00	18	J10	6.00	35	H10	11.00	59
Vane hinge, upper	E11	.20	.8	X11	.20	1.3	H11	.40	2.5
Vane hinge, lower	K12	.70	5.1	J12	1.20	8	H12	1.70	11
Latch	K13	.20	.6	J13	.30	1.1	H13	.40	1.5
Sheave	E14	.20	.6	J14	.20	.8	H14	.40	1.2
Brake	K15	.50	3.2	J15	.90	7	H15	1.30	10
Brake with rod and spring		.90	4.1		1.50	8		2.30	12
Piston eye	K16	.50	1.4	J16	.60	2	H16	.80	2.5
Pump pole socket	K17	.20	1.1	J17	.30	1.5	H17	.60	3.2
Swivel slide	K18	.30	2	J18	.40	2.5	H18a	.70	3.5
Guide for swivel slide, 4-post	K19	.30	2	J19	.40	3	H19a	.60	4
Guide for swivel slide, 3-post	3K19	.20	1.1	3J19	.20	1.3			
Pump attachment	K20	.60	2.3	K20	.60	2.3	H20	.80	3.7
Grease plunger	E21	.10	.2	E21	.10	.2	E21	.10	
Grease cup, plain	K22	.20	.3	J22	.20	.3	H22	.20	.3
Grease cup, ratchet	K23	.30	.4	J23	.30	.4	H23	.30	.4
Pitman guide pin	E52	.10	.3	X52	.20	.4	H52	.30	.7
Pitman	E53	.80	3.8	X53	1.20	6	H53	3.60	11
Piston rod with nut only	K54	.60	4.7	J54	1.00	7	H54	1.80	12
Piston with pump pole socket		.80	5.8		1.30	9		2.40	15
Vane pin	E55	.20	.9	X55	.30	1.8	H55	.50	3
Brake rod	E56	.20	.6	J56	.30	1	H56	.60	1.5
Sheave pin	E59	.10	.1	J48	.10	.2	H87	.10	.3
Latch pitman	K60	.20	.3	J60	.30	.5	H60	.40	1
Vane stem	E63	2.00	10.5	X63	4.00	19	H63	8.00	37
Vane truss	E64	1.00	5	X64	1.60	8	H64	2.50	12
Vane rib, short	E65	.20	.8	X65	.40	1.5	H65	.40	1.5
Vane rib, medium short							H65½	.50	2.1
Vane rib, medium	E66	.30	1.1	X66	.50	2.1	H66	.60	2.6
Vane rib, long	E67	.40	1.4	X67	.60	2.6	H67	1.00	4.3
Arm, each	E68	.80	3.8	J68	1.40	5	H68	2.50	10
Outer rim	E69	.50	2.3	X69	1.00	5	H69	1.50	7
Inner rim	E70	.20	.8	X70	.40	1.4	H70	.50	2.2
Sail clip, large	E74	.10	.2	X74	.20	.4	H74	.30	.5
Sail clip, small	E75	.10	.1	X75	.10	.2	H75	.10	.2
Swivel, complete with chain	K79	1.30	3	J79	1.80	4	H79	3.00	7
Chain end	K80	.10	.2	J80	.20	.2	H80	.30	.3
Governor spring	E82	1.00	5	X82	1.50	7	H82	3.50	16
Brake spring	E83	.10	.2	X83	.20	.2	H83	.30	.5
COMPLETED PARTS									
Wheel section, complete		3.50	13		6.00	23		8.50	35
Pull-in lever, complete		.80	1.5		1.00	1.5			

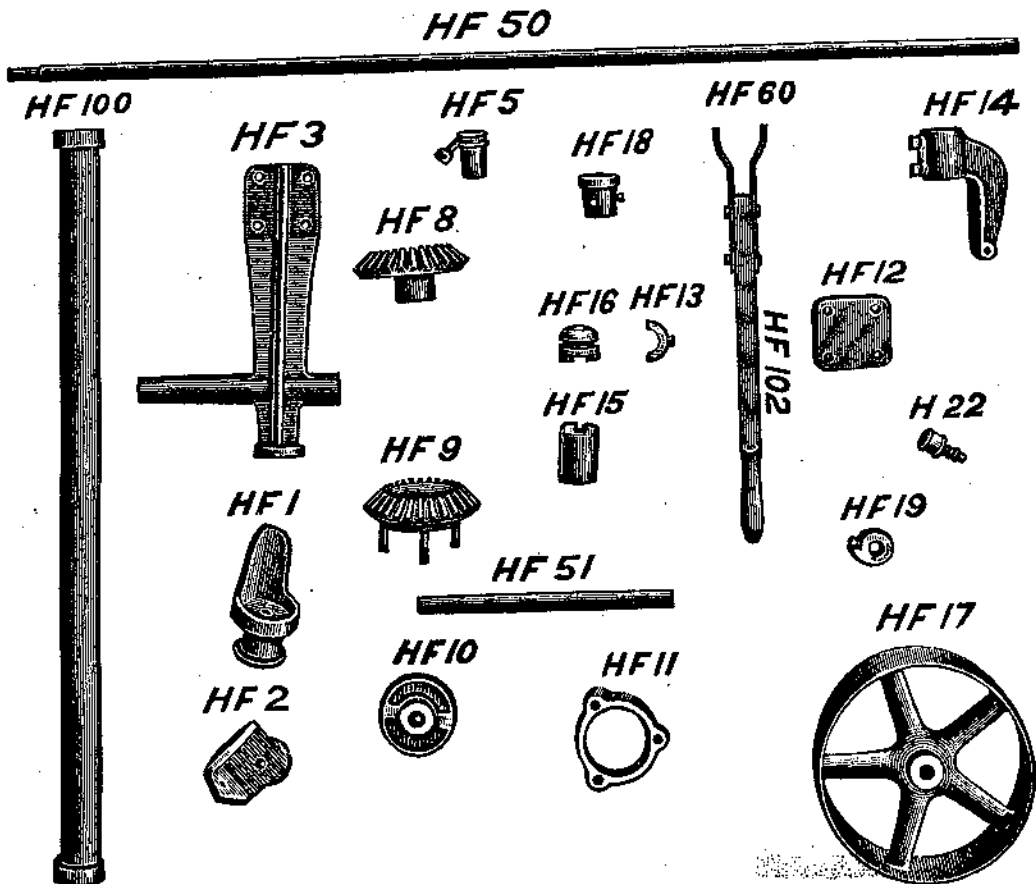
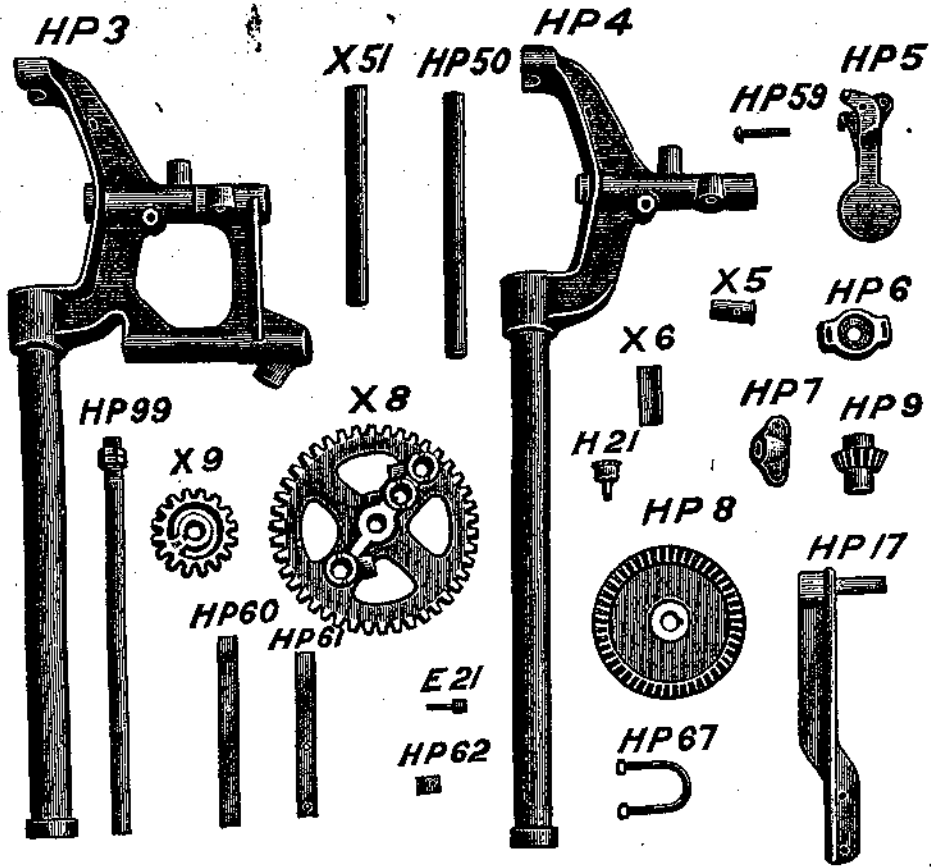
REPAIR PARTS FOR TWELVE FOOT STEEL POWER MILL



REPAIR LIST FOR TWELVE-FOOT STEEL POWER MILL

Symbol	Name of Part	Price	Wt.	Symbol	Name of Part	Price	Wt.
H1	Upper tower casting	\$0.80	6	GH52	Second shaft	3.10	21
H2	Lower tower casting	1.40	12	GH53	Regular shaft	2.20	17
GH3	Main casting	10.00	58	GH54	Thrust screw	.10	.4
H4	Sheave shield	1.80	10	H55	Vane pin	.50	3
GH5	Bushing for GH8	1.90	1.2	GH58	Side vane rib, short	.10	.2
GH6	Small bushing for GH8	1.40	1	GH59	Side vane rib long	.10	.4
GH7	Bushing for GH3	3.20	2.3	H60	Latch pitman	.40	1
GH8	Hub gear with bushings	17.00	84	GH62	Side vane stem	2.50	12
GH9	Pinion, steel	2.00	5	H63	Vane stem	8.00	37
H11	Upper vane hinge	.40	2.5	H64	Vane truss	2.50	12
GH12	Lower vane hinge (H12, GH93 & pin)	2.00	11	H65	Vane rib, short	.40	1.5
H13	Latch	.40	1.5	H65½	Vane rib, medium short	.50	2
H14	Sheave	.40	1.2	H66	Vane rib, medium long	.60	2.5
GH15	Brake	.90	7	H67	Vane rib, long	1.00	4.5
GH16	Brake spring casting	.20	1.1	GH68	Arm	2.50	11
H18	Swivel slide	.70	3	H69	Outer rim	1.50	7
H19	Swivel guide	.50	2.7	H70	Inner rim	.50	2.2
H20	Pump attachment	.80	3.7	H71	Sail	1.60	8
H23	Ratchet grease cup	.30	.4	H74	Sail clip, large	.30	.5
GH21	Large grease cup cap	1.00	2.3	H75	Sail clip, small	.10	.2
GH22	Large grease cup body	.60	3	GH77	Side vane & ribs	.60	2.5
GH23	Large grease cup nut	.30	.5	GH79	Swivel with chain	3.00	5
GH24	Washer for wheel stud	.70	.5	GH80	Chain end	.30	.3
GH25	Ball bearing	1.00	.5	H82	Governor spring	3.50	16
T38	Windlass drum	.30	2	GH83	Brake spring	.90	1.2
T40	Windlass crank	.40	2.5	H86	V-bolt for windlass	.20	.3
T41	Windlass frame	.50	3	H87	Sheave pin	.10	.3
T42	Windlass dog	.10	.3	GH88	Brake blank bolt	.30	1.3
GH50	Wheel stud or shaft	3.90	9	GH93	Brake roller	.20	.3
GH51	Top shaft	4.70	14	GH94	Shaft supporting bolt	1.00	6
				GH97	Cup leather	.40	.1
				Completed Parts			
				One sail with clips		2.00	9
				One section complete		8.50	35

REPAIR PARTS FOR PUMP AND FOOT GEAR
TWELVE-FOOT STEEL POWER MILL



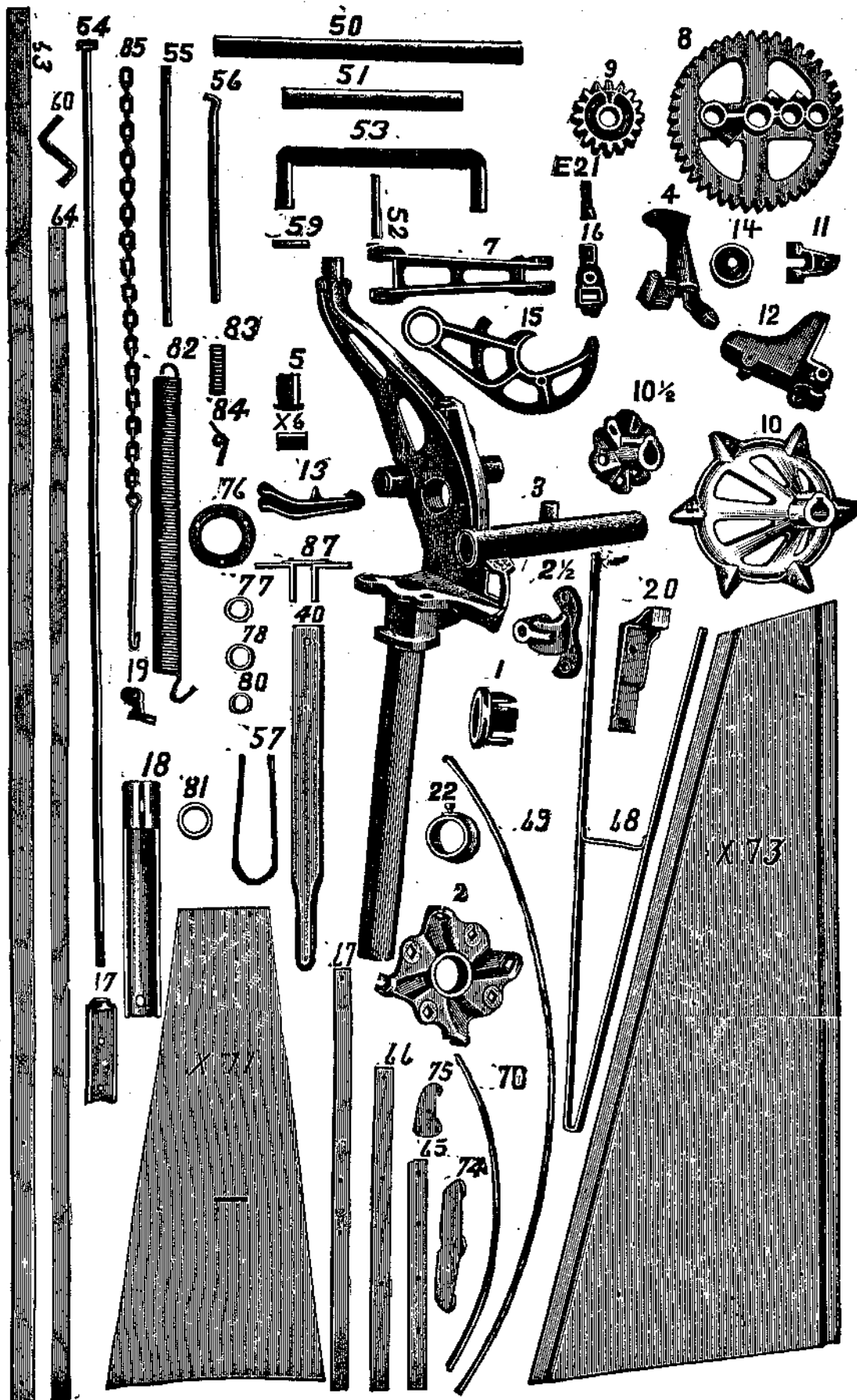
**PUMP GEAR REPAIR LIST, TWELVE-FOOT
STEEL POWER MILL**

Symbol	Name of Part	Price	Wt.	Symbol	Name of Part	Price	Wt.
HP3	Main casting, gear drive	\$7.00	42	X9	Crank gear pinion	1.00	6
HP4	Main casting, sheave drive	6.00	34	HP17	Pump pole socket	1.00	9
HP5	Weight	.80	6	E21	Grease plunger	.10	.2
X5	Bushing for X8	.80	.4	H22	Grease cup, plain	.20	.3
X6	Bushing for HP3	.30	.4	HP50	Shaft for HP8	.80	6
HP6	Gear washers	.20	1.5	HP59	Weight pin	.10	.2
HP7	Brace socket	.40	2.3	HP60	Shipper flat	.20	.7
HP8	Bevel gear	1.80	7	HP61	Dog	.20	.8
HP9	Bevel gear pinion	.60	.3	HP62	Dog catch	.10	.1
X8	Crank gear and shaft	4.50	25	HP67	V-bolt	.20	.6
				HP99	Pipe brace	.40	2.3

**FOOT GEAR REPAIR LIST, TWELVE-FOOT
STEEL POWER MILL**

Symbol	Name of Part	Price	Wt.	Symbol	Name of Part	Price	Wt.
HF1	Top support	\$0.80	6	HF17	Pulley, 1" bore	3.00	19
HF2	Bottom support	.40	3.1	HF18	Ball-bearing collar	.60	1
HF3	Main casting	4.00	24	HF19	Line shaft collar	.30	.7
HF5	Shaft bushing	2.40	.9	HF20	Ball bearing	1.00	.5
HF8	Bevel gear	1.30	5	H23	Grease cup, ratchet	.30	.4
HF9	Bevel gear, vertical with studs	2.00	7	HF50	Vertical shaft	1.80	14
HF10	Bevel gear flange	1.80	3.5	HF51	Horizontal shaft	.50	3.6
HF11	Bevel gear clamp	1.50	3	HF52	Line shaft	3.30	27
HF12	Pipe clamp	.60	4.8	HF60	Lever Irons, each	.20	.7
HF13	Cut-off coupling, trunion	.10	.4	HF100	Pipe	2.00	15
HF14	Cut-off coupling, fulcrum	.60	4	HF101	Maple boxes 1 1/4" hole	.20	.4
HF15	Jaw, driven	.60	3.3	HF102	Lever, comp.	.50	.6
HF16	Jaw, grooved	.30	1.3				

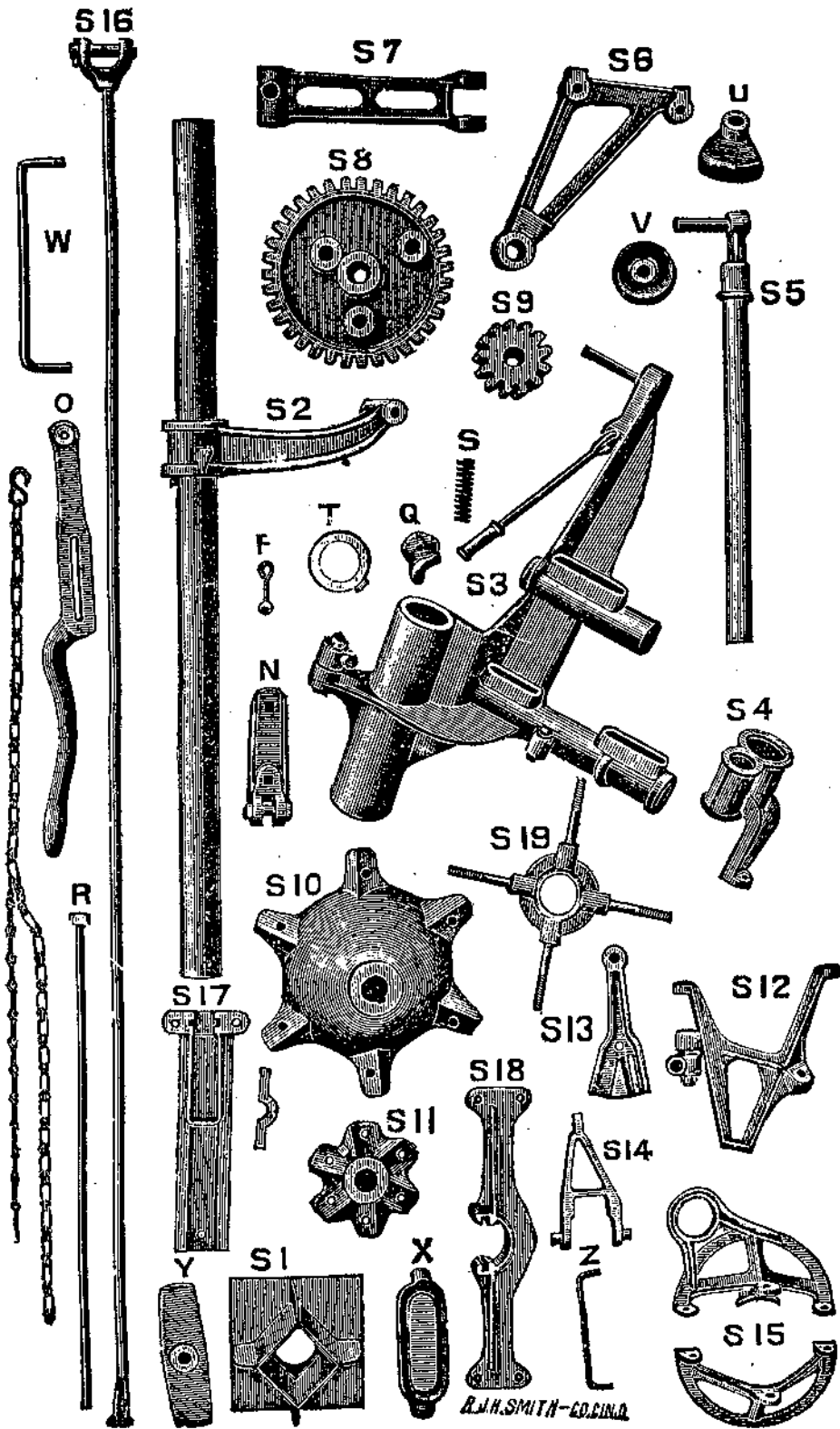
REPAIR PARTS FOR "E" AND "X" STYLE STEEL MILLS



REPAIR LIST FOR MONITOR STEEL WINDMILLS

Name of Part	8-foot E Style			10-foot X Style		
	Symbol	Price	Weight	Symbol	Price	Weight
Upper tower casting -----	E1	\$0.20	1.9	E1	.20	1.9
Lower tower casting -----	E2	.40	3.6	E2	.40	3.6
Swivel stop -----	E2 1/2	.30	1.7	E2 1/2	.30	1.7
Main casting with bushings -----	E3	7.00	37	X3	10.00	56
Sheave shield -----	E4	.50	2.8	X4	.60	3.4
Sheave shield with sheave -----		.80	3.5		.90	
Bushing for crank gear -----	E5	.40	.2	X5	.80	.4
Bushing for main casting -----	E6	.20	.2	X6	.30	.4
Pitman guide -----	E7	.50	2.5	X7	.70	5
Crank gear with shaft and bushing -----	K8	3.00	14	X8	4.50	25
Pinion -----	E9	.70	3.3	X9	1.00	6
Wheel spider with shaft -----	E10	3.00	17	X10	4.50	22
Brace spider -----				X10 1/2	.70	3
Vane hinge, upper -----	E11	.20	.8	X11	.20	1.3
Vane hinge, lower -----	E12	.60	3.9	X12	.80	6
Latch -----	E13	.20	1	E13	.20	1
Sheave -----	E14	.20	.6	E14	.20	.6
Brake -----	E15	.50	3.1	X15	.80	6
Brake, with rod and spring -----		.90	4		1.40	7
Piston eye -----	E16	.50	1.5	X16	.60	2
Pump-pole socket -----	E17	.20	1.1	X17	.30	1.7
Swivel slide with washers -----	E18	.40	1.1	E18	.40	1.1
Swivel eye -----	E19	.20	.3	E19	.20	.3
Pump attachment -----	K20	.60	2.3	K20	.60	2.3
Grease plunger -----	E21	.10	.2	E21	.10	.2
Pipe collar -----	E22	.20	.9	E22	.20	.9
Grease cup ratchet -----	E23	.30		E23	.30	.3
Grease cup, plain -----	E24	.20		E24	.20	
Pitman guide pin -----	E52	.10	.3	X52	.20	.4
Pitman -----	E53	.80	3.8	X53	1.20	6
Piston rod with nut only -----	E54	.60	3.5	X54	.70	5.5
Piston, with pump-pole socket -----		.80	5		1.00	7.6
Vane pin -----	E55	.20	.9	X55	.30	1.8
Brake rod -----	E56	.20	.6	X56	.30	.7
Sheave pin -----	E59	.10	.1	E59	.10	.1
Latch pitman -----	E60	.20	.3	E60	.20	.3
Vane stem -----	E63	2.00	10.5	X63	4.00	19
Vane truss -----	E64	1.00	5	X64	1.60	8
Vane rib, short -----	E65	.20	.8	X65	.40	1.6
Vane rib, medium -----	E66	.30	1.1	X66	.50	2.2
Vane rib, long -----	E67	.40	1.4	X67	.60	2.8
Arms, each -----	E68	.80	3.8	X68	1.30	5.1
Outer rim -----	E69	.50	2.3	X69	1.00	5
Inner rim -----	E70	.20	.8	X70	.40	1.4
One sail, with clips -----		1.00	3		1.50	5.2
Sail clip, large -----	E74	.10	.2	X74	.20	.4
Sail clip, small -----	E75	.10	.1	X75	.10	.2
Governor spring -----	E82	1.00	5	X82	1.50	7
Brake spring -----	E83	.10	.2	X83	.20	.2
Latch spring -----	E84	.10	.1	E84	.10	.1
Chain with extension -----	E85	.60	1.2	E85	.60	1.2
Completed Parts						
One section for wheel -----		3.50	13		6.00	23
Pull-in lever, complete -----		.80	1.5		1.00	1.5

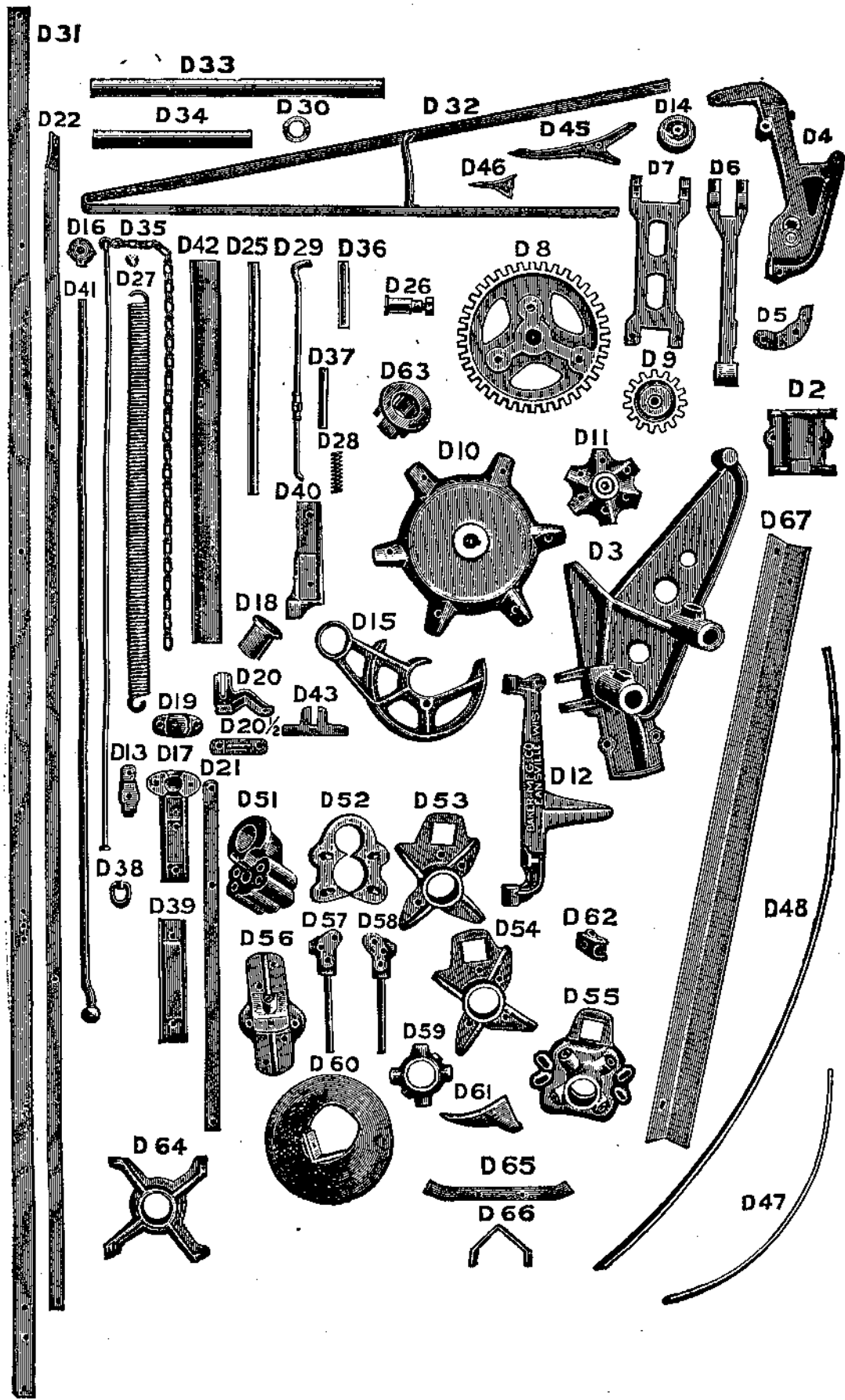
REPAIR PARTS FOR EIGHT-FOOT STEEL MILL "S" STYLE



REPAIR LIST FOR EIGHT FOOT STEEL MILL, S STYLE

Sym.	Name of Part	Price	Wt.	Sym.	Name of Part	Price	Wt.
S2	Turntable -----	\$1.80	13	R	Bunter rod -----	.30	1
S3	Wheel arm -----	5.00	30	S	Coil spring -----	.60	.2
S4	Shipper standard -----	.50	3	T	Loose Collar -----	.20	.8
S5	Sheave casting -----	.70	5	U	Sheave shield -----	.30	1
S7	Bell crank guide -----	.50	3	V	Sheave -----	.30	1
S8	Gear crank wheel -----	1.50	8	W	Vane pitman -----	.20	1
S9	Pinion -----	.60	2	Z	B r a k e pitman spring -----	.40	.5
S10	Wheel spider -----	1.50	3	Unnumbered Parts			
S11	Brace spider -----	.60	3		Arms each -----	.80	3.5
S12	Vane casting -----	.50	3.5		Brass box for S60 -----	.50	.2
S13	Vane hinge, 2 pieces -----	.60	4		Chain -----	.60	1
S14	Brake lever -----	.30	1.4		Sails with clips each -----	.70	3.5
S15	Brake, 2 pieces -----	.60	4		Knuckles each -----	.20	1
S16	Piston rod and fork Complete -----	1.00	4.5		Pin for S3 five-eighths in. inch -----	.10	.3
	Piston rod only -----	.60	3		Pin for S3 three-fourths inch -----	.20	.5
	Piston fork only -----	.40	1		Pin for S7 and S60 -----	.10	.3
	Pin for piston fork -----	.20	.3		Rim, inner, each -----	.20	1
S17	Swivel with cap -----	.50	3		Rim, outer, each -----	.60	3
S17 1/2	Swivel cap -----	.10	.5		Sail clip, large, each -----	.80	.5
S18	Swivel guide, 2 pieces truss tower -----	.50	3		Sail clip, small, each -----	.20	.2
S20	Swivel guide -----	.50	3.6		Shaft, crank -----	.50	2.5
S60	Bell crank pitman with brass bush -----	1.00	3		Shaft, wheel -----	1.00	5.3
S63	Tower casting -----	.40	3.5		Vane pin -----	.20	.3
S64	Tower casting -----	.40	3.5		Wrist pin and nut -----	.60	1
D43	Shipper lever ful- crum -----	.20	1.5	Completed Parts			
O	Shipper lever -----	.40	2.5		Arms, bundled -----	4.80	23
P	Wire swivel ball -----	.20	.2		Mill head -----	16.00	100
Q	Wire swivel ball socket -----	.10	.2		Sections, each -----	3.50	15
					Sections, crated -----	21.00	110
					Vane, complete -----	8.00	40
					Mill box -----	3.50	10

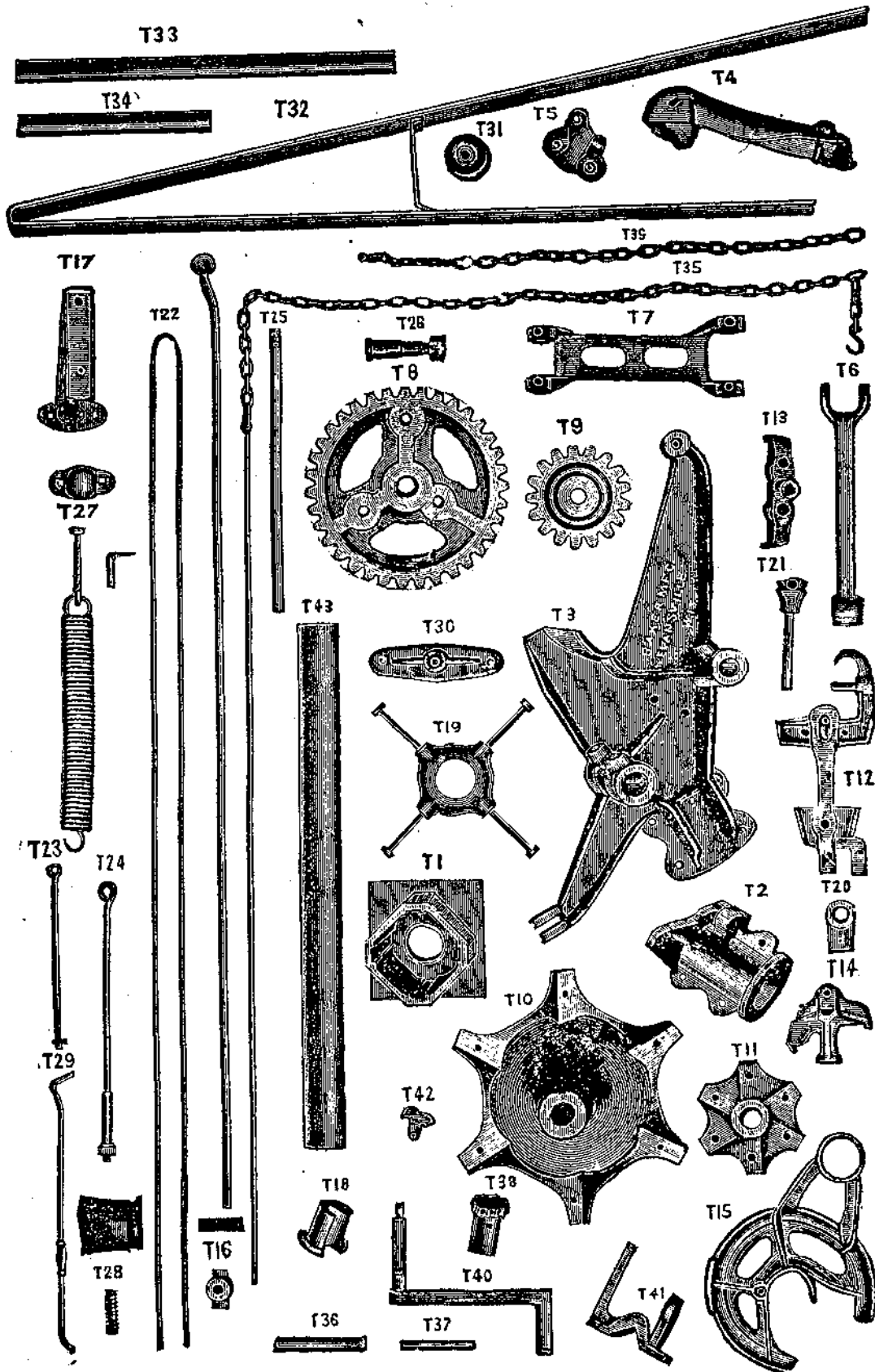
REPAIR PARTS FOR TEN FOOT STEEL MILL "D" STYLE



REPAIR LIST FOR TEN FOOT STEEL MILL "D" STYLE

Symbol	Name of Part	Price	Wt.	Symbol	Name of Part	Price	Wt.
D2	Wheel arm cap--	\$0.70	4	D32	Arm, each -----	1.30	5
D3	Wheel arm -----	6.00	41	D33	Wheel shaft -----	1.50	8
D4	Sheave shield -----	.90	7	D34	Crank shaft -----	1.00	5.5
D5	Chain guide -----	.10	.5	D35	Chain rod com- plete -----	1.00	3
D6	P i t m a n with brass bush -----	1.50	4	D35 1/2	Chain -----	.50	1
D7	Pitman guide -----	.70	4	D36	Pitman pin, 1 in. -----	.30	1.5
D8	Gear crank wheel	3.00	17	D37	Pitman pin, 5/8 in. -----	.20	.5
D9	Pinion -----	1.00	5	D38	Wire swivel eye -----	.10	.5
D10	Large spider -----	2.50	16	D41	Piston rod -----	1.00	5
X10 1/2	Brace spider -----	.70	3	D42	Gas pipe -----	1.50	9
D12	Vane casting -----	1.50	11	D43	Furl lever ful- crum -----	.20	1.5
D13	Governor spring casting -----	.10	1	D45	Large sail clip, each -----	.30	.5
D14	Sheave, each -----	.20	1	D46	Small sail clip, each -----	.20	.3
D15	Brake -----	.70	4	D47	Inner rim, each --	.30	1.5
D16	Piston rod eye--	.40	1	D48	Outer rim, each --	1.00	5
D17	Swivel and cap--	.60	4	D63	Upper tower cast- ing -----	.50	3
D18	Piston guide -----	.30	1.5	D64	Lower tower cast- ing -----	.50	3
D19	Swivel cap -----	.10	.5		Brass bush for D6	.90	.5
D21	Furl lever -----	.40	2.5		Sail, with clips, each	1.50	5
D22	Vane truss -----	1.20	5		Completed Parts		
D25	Hinge pin for vane -----	.40	1.5		Arms bundled, 6 -----	7.80	33
D26	Wrist pin and nut	.50	1.3		Box packed -----	4.00	21
D27	Governor spring--	2.50	10		Mill head -----	25.00	151
D28	Brake spring -----	.20	.5		Sections, each -----	6.00	26
D29	Brake pitman complete -----	.50	.7		Sections crated, 6 -----	36.00	159
D29 1/2	Brake pitman bolt	.20	.5		Vane stem and truss	5.20	25
D30	Crank s h a f t washer -----	.10	.3		Vane complete -----	11.00	55
D31	Vane stem -----	4.00	20				

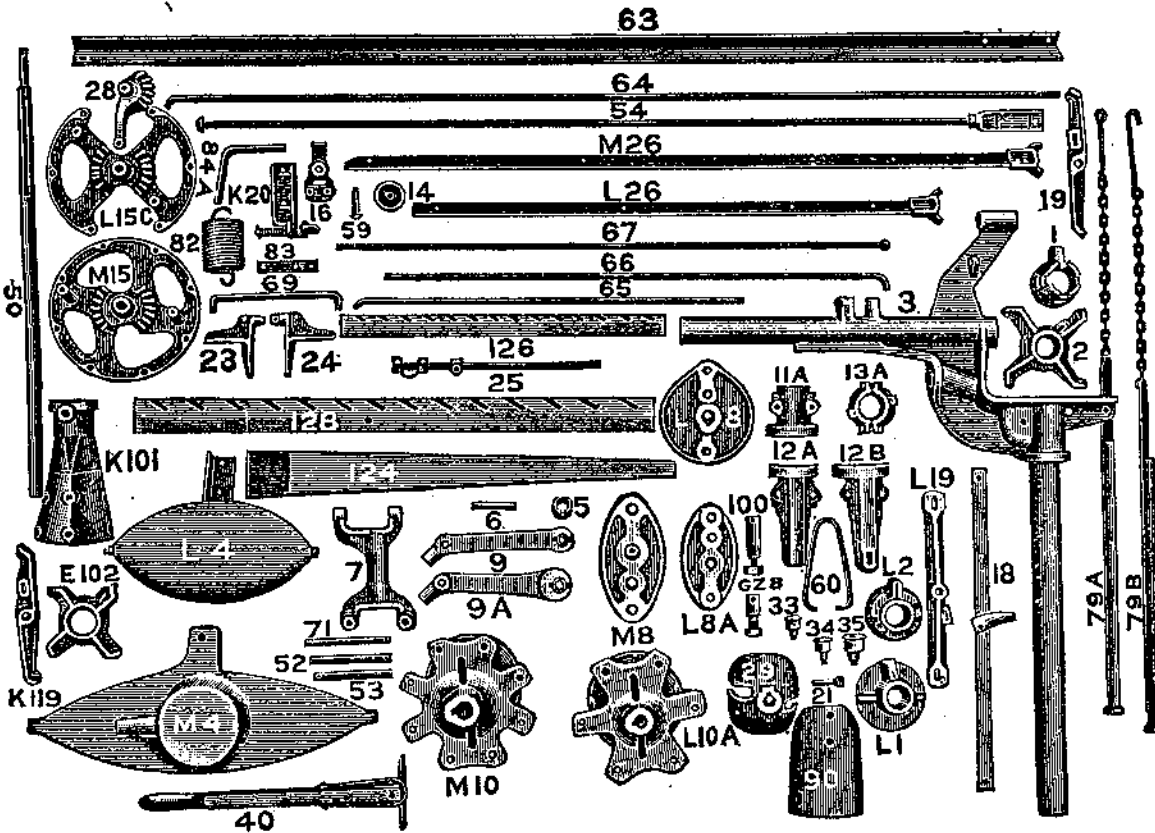
REPAIR PARTS FOR TWELVE FOOT STEEL MILL "T" STYLE



**REPAIR LIST FOR TWELVE-FOOT STEEL MILL
"T" STYLE**

Symbol	Name of Part	Price	Symbol	Name of Part	Price
T1	Tower casting, wood tower	\$0.60	T25	Rudder-hinge pin	.50
T2	Wheel-arm cap	1.50	T26	Wrist pin	.80
T3	Wheel arm	10.00	T27	Governing spring	2.80
T4	Sheave shield	1.00	T28	Brake pitman spring	.20
T5	Chain guide	.20	T29	Brake pitman	.50
T6	Pitman	2.00	T30	Tower plate	.10
T7	Pitman guide	1.00	T31	Sheave	.20
T8	Gear crank wheel	4.00	T32	Steel arm	2.50
T9	Gear pinion	1.40	T33	Wheel shaft	2.00
T10	Wheel spider	3.50	T34	Crank shaft	1.20
T11	Brace spider	.80	T35	Shipper chain and rod	1.20
T12	Rudder casting	1.80	T36	Pitman pin	.30
T13	Rudder-casting cap	.40	T37	Pitman-guide pin	.20
T14	Rudder-casting stop	.40	T38	Windlass	.30
T15	Brake	1.00	T39	Windlass chain	.40
T16	Piston rod and eye	1.70	T40	Windlass crank	.40
T17	Swivel and cap	.60	T41	Windlass frame	.50
T18	Piston guide	.40	T42	Windlass dog	.10
T19	Pipe centering guide	.80	T43	Gas pipe	2.00
T20	Rudder-truss eye	.20	T63	Upper tower casting, steel tower	.70
T21	Truss standard	.30	T64	Lower tower casting, steel tower	.70
T22	Truss rod	.50		Sections for wheel, each	10.00
T23	Truss-rod bolt	.40			
T24	Bunter rod	.60			

REPAIR PARTS FOR NEW STYLE VANELESS MILLS



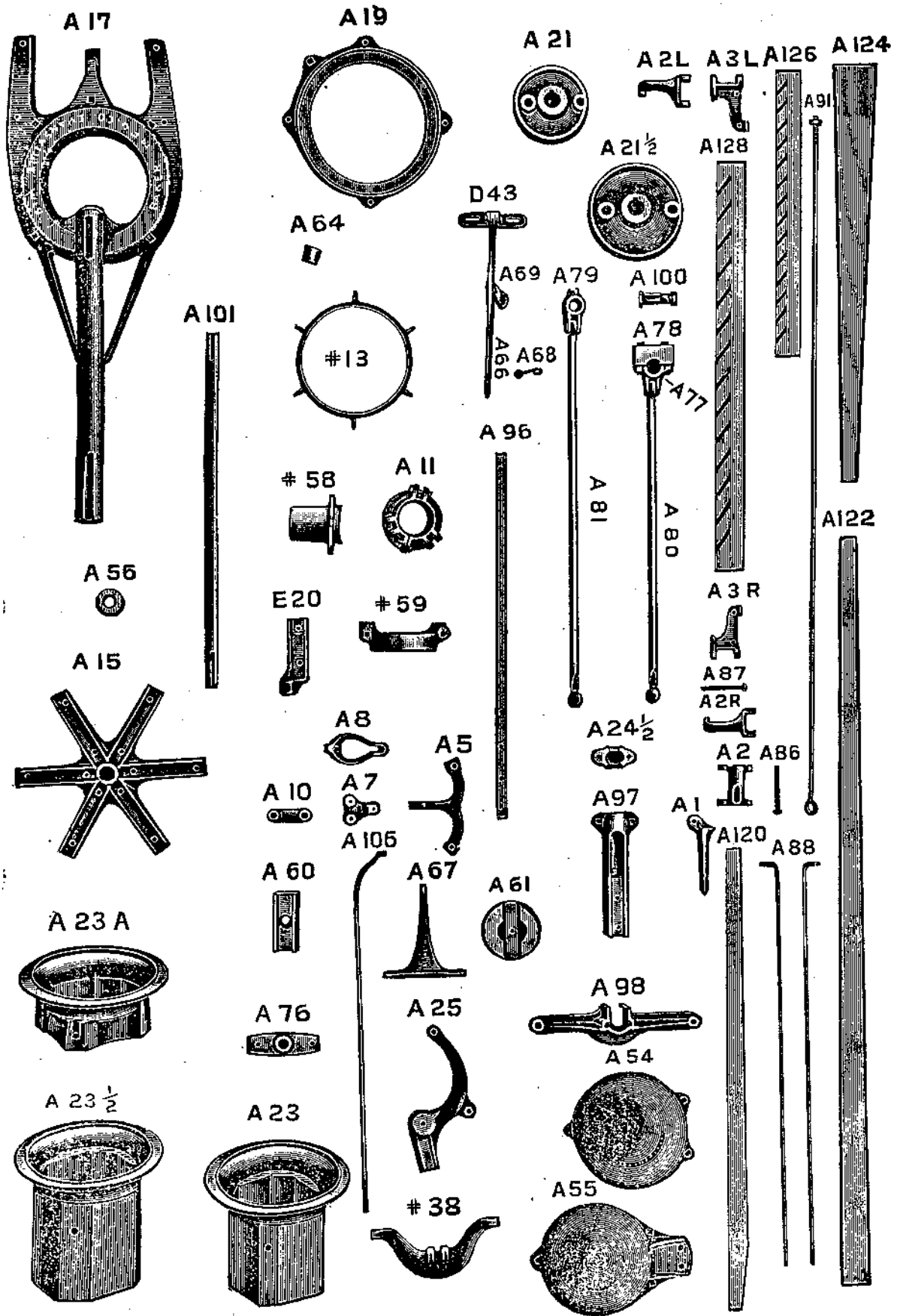
REPAIR LIST FOR NEW STYLE VANELESS MILLS

Name of Part	10-Ft. "L" Style			12-Ft. "M" Style		
	Symbol	Price	Weight	Symbol	Price	Weight
Upper tower casting for steel tower	K1	\$0.40	3.6	H1	\$0.80	6
Upper tower casting for wood tower	L1	.60	4.7	M1W	.80	4.5
Lower tower casting for steel tower	K2	.40	3.3	M2	.90	7
Lower tower casting for wood tower	L2	.50	3.6	M2W	.80	4.5
Main casting with bushings	L3A	10.00	60	M3	20.00	100
Main casting with bushings	L3B	10.00	60			
Balance weight	L4A	4.00	44	M4	5.00	65
Bronze bushing for pitman	L5	.40	.2	M5	.90	1.5
Bronze bushing for main casting	L6	.50	.3	M6	.50	1
Pitman guide	L7	1.10	6.5	M7	2.00	10.5
Pitman guide	L7A	1.10	6.5			
Crank	L8	1.00	7.5	M8	2.50	11
Crank	L8A	1.00				
Wrist pin with nut	GZ8	.30	.6			
Pitman with bushing	L9	1.00	3.5	M9	2.40	6

Repair List for New Style Vaneless Mills—Continued

Name of Part	10-Ft. "L" Style			12-Ft. "M" Style		
	Symbol	Price	Weight	Symbol	Price	Weight
Pitman with bushing -----	L9A	1.00	3.7	M9A	2.40	6.5
Wheel hub only -----	L10A	3.50	21	M10	5.00	26
Outer sleeve, top half -----	L11A	.40	2	M11	1.00	3.8
Outer sleeve, top half -----	L11B	.40	2			
Outer sleeve, bottom half -----	L12A	.60	3.5	M12	1.30	6.4
Outer sleeve, bottom half -----	L12B	.60	3.5			
Sleeve, complete -----		1.60	7.5		3.40	12.5
Inner sleeve -----	L13A	.50	2	M13	1.00	3
Sheave -----	E14	.20	.6	J14	.20	.8
Shipper spider -----	L15A	1.80	9	M15	2.50	11.5
Shipper spider -----	L15C	1.80	9			
Piston eye -----	L16	.50	1.5	M16	.80	2.7
Pump pole socket -----	K17	.20	1.1	M17	.60	3.2
Swivel slide -----	K18	.30	2	M18	.70	3.8
Swivel slide guide for steel tower -----	K19	.30	2	M19	.60	3.5
Swivel slide guide for wood tower -----	L19	.50	3.7	M19W	.80	4.5
Pump attachment -----	K20	.60	2.3	H20	.80	3.7
Grease plunger -----	E21	.10	.2	E21	.20	.2
Rim casting, right -----	L23	.20	1	L23	.20	1
Rim casting, left, with set screw -----	L24	.30	1	L24	.30	1
Section eye casting and rod with nut -----	L25	.40	1.2	L25	.40	1.2
Angle arm with casting -----	L26	1.00	5.2	M26	1.40	7
Sector lever -----	L28	.40	2	L28	.40	2
Gear cover -----	L29	1.00	6.3	M29	1.30	7
Ratchet grease cup for pitman -----	L33	.30	.3	L33	.30	.3
Plain grease cup for shipper spider -----	L34	.20	.3	L34	.20	.3
Plain grease cup for main casting -----	L35	.30	.4	L35	.30	.4
Main shaft -----	L50	2.20	11.5	M50	3.50	18
Pitman guide pin -----	L52	.20	.8	M52	.40	1.8
Pitman Pin -----	L53	.20	.7	M53	.40	1.7
Piston rod with nut only -----	K54	.60	4.7	J54	1.00	7
Piston rod with No. 17 -----		.80	5.9		1.70	10.2
Sheave pin -----	E59	.10	.1	M59	.10	.1
Sleeve bail -----	L60	.20	.4	M60	.30	.4
Balance weight arm -----	L63	2.00	10.3	M63	3.00	14.6
Balance weight arm -----	L63A	3.00	15			
Balance weight arm truss rod -----	L64	.40	2.4	M64	.40	3.1
Balance weight arm truss rod -----	L64A	.40	2			
Arm brace rod -----	L65	.20	1.1	M65	.30	1.5
Shipper rod -----	L66	.30	1.4	M66	.40	1.9
Section hinge rod -----	L67	.30	1.5	L67	.30	1.5
Connecting rod, sleeve to shipper -----	L69	.20	.5	M69	.20	.2
Sector casting hinge pin -----	L71	.20	.2	M71A	.20	.2
Swivel complete with chain -----	L79	1.40	2.8	M79	1.80	4
Governor spring -----	L82	1.00	2	L82	1.00	2
Governor spring -----	L82A	1.00	2	L82A	1.00	2
Governor spring clip -----	L83	.10	.4	L83	.10	.3
Governor spring extension -----	L84	.20	.6	L84	.20	.6
Lock washer for section hinge rod -----	L88	.04	.1	L88	.04	.1
Lock washer for section eye rod -----	L89	.04	.1	L89	.04	.1
Sleeve shield -----	L90	.40	1	L90	.40	1
Cap screw for sleeve shield -----	L91	.10	.1	L91	.10	.1
Wrist pin with nut -----	L100	.50	1.2	M100	1.40	2.3
Sail -----	L124	.10	1	M124	.10	1
Rim, short -----	L126	.20	1	M126	.20	1
Rim, long -----	L128	.60	2	M128	.60	2
Completed Parts						
One Section, complete -----		3.00	15		3.00	15
Full-out lever with fulcrum and bail -----		.80			1.00	1.8

REPAIR PARTS FOR TEN-FOOT VANELESS MILL "A" STYLE



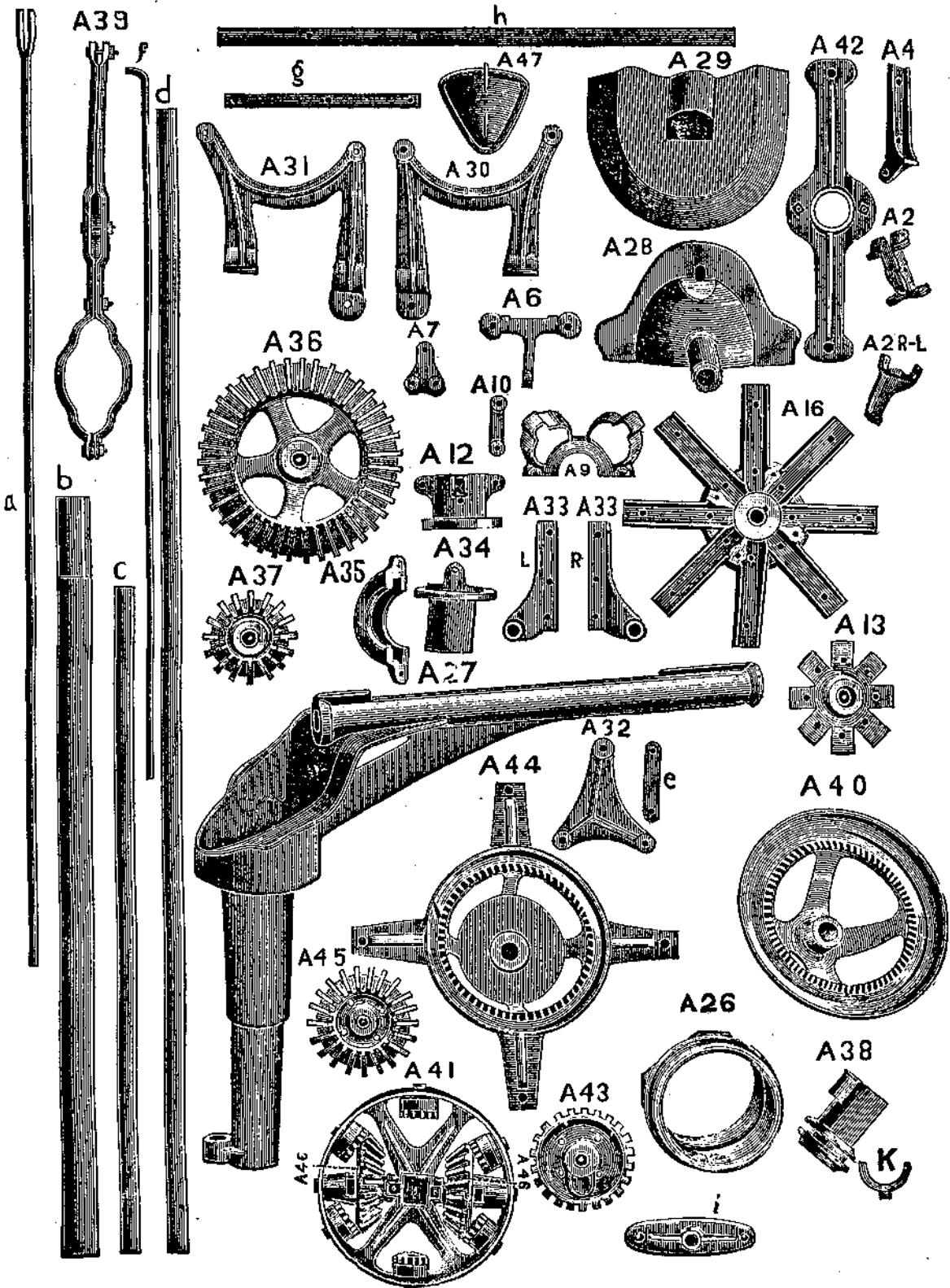
REPAIR LIST FOR TEN-FOOT VANELESS MILL, A STYLE

Symbol		Price	Wt.	Symbol		Price	Wt.
A1	Wood a r m casting	\$0.20	1	A67	Truss casting	.30	2
A2	Shipper casting	.30	1.2	A68	Wire swivel ball	.20	.2
A2R	Shipper coupling, R	.20	.8	A69	Wire swivel ball socket	.10	.2
A2L	Shipper coupling, L	.20	.8	A76	Tower plate	.10	1.2
A3R	Section casting, right	.20	.7	A77	Iron pitman box, short stroke	.20	1
A3L	Section casting, left	.20	.7	A78	Wood pitman box, short stroke	.20	1
A5	Rod end	.40	1.5	A79	Brass pitman box, long stroke	1.00	1
A7	Link	.20	.8	A80	Steel pitman bar, short stroke	1.00	4
A8	Fulcrum	.30	1	A81	Steel pitman bar, long stroke	1.20	5
A10	Sleeve pitman	.10	.5	A86	Joint pins, drilled	.04	.2
A11	Outer sleeve, two pieces	1.00	5	A87	Joint pins, not drilled	.04	.2
No. 13	Roller ring	.30	2	A88	Shipper rods	.20	1.3
A14	Sleeve saddle, two pieces	.60	4	A91	Truss rods	.30	2
A15	Wheel spider	2.00	13	A96	Weight lever	.40	3.6
A17	Wheel arm	7.00	53	A97	Swivel with cap	.80	4
A19	Wheel a r m ring	.90	7	A98	Swivel guide	.60	5
K20	Pump attachment	.60	2.3	A100	Wrist pin and nut	.60	.9
A21	Crank, short stroke	1.00	6	A101	Main shaft	1.20	9
A21½	Crank, long stroke	1.20	8	A106	Wrought connecting rods	.20	1.7
A23	Tower casting wood tower, short stroke	3.00	29	A120	Arm without irons	.50	2
A23½	Tower casting wood tower, long stroke	3.00	30	A122	B a l a n c e weight arm	.60	3
A23A	Tower casting steel tower	2.00	18	A124	Fans	.10	1
A24½	Swivel cap	.10	.5	A126	Rims, short	.20	1
A25	Weight lever	.50	3.8	A128	Rims, long	.56	2
No. 38	Weight lever yoke	.60	3.5				
D43	Shipper lever fulcrum	.20	1.5		Completed Parts		
A54	Balance ball, upper half	1.00	11		Arm with irons A1 and A2	1.00	5
A55	Balance ball, lower half	1.20	13		Balance arms and truss rods	1.80	11
A56	Brass washer, 1¼-inch	.20	.2		Balance ball	2.20	24
No. 58	Inner sleeve, two pieces	.70	4.8		Box packed for steel tower	21.00	127
No. 59	Same as A14				Box packed for wood tower	22.00	
A60	Counter balance weight	.50	5.4		Mill head without shipper	20.00	147
A61	Governor wt.	.90	9		Mill head for wood tower	21.00	160
A64	Rollers	.10	.2		Section with irons	3.00	11
A66	Shipper lever	.40	3		Shipper, complete	1.60	12
					Shipper lever complete	1.00	5
					A5-7-8-10 riveted	1.00	4
					Pitman, short stroke	1.40	6
					Pitman, long stroke	2.20	6

REPAIR LIST FOR TWELVE-FOOT VANELESS MILL

Symbol	Description	Price	Wt.	Symbol	Description	Price	Wt.
A2	Shipper casting	\$0.30	1.2	A63	Pump-pole guide	.10	1
A2½	Brace washer	.10	.2	A65	Rollers	.10	.5
A2R	Shipper coupling, R	.20	.8	A66	Shipper-lever	.40	3
A2L	Shipper coupling, L	.20	.8	A68	Wire swivel-ball	.20	.2
A3R	Section casting, R	.20	.7	A69	Wire swivel-ball socket	.10	.2
A3L	Section casting, L	.20	.7	A76	Tower plate	.10	1.2
A4	Wood-arm casting	.20	1.3	A79	Brass pitman box, long stroke	1.00	1
A6	Rod end	.40	1.4	No. 81	Roller ring	.40	3
A7	Link	.20	.8	A82	Steel pitman bar, long stroke	1.40	6
A9	Fulcrum	.60	2.7	A83	Brass washer for pitman O. S. L. S.	.20	.1
A10	Sleeve pitman	.10	.5	A86	Joint pins, drilled	.04	.2
A12	Outer sleeve, 2 pieces	1.00	5.4	A87	Joint pins, not drilled	.04	.2
A13	Brace spider	.60	4.2	A89	Shipper rods	.20	1.5
A14	Sleeve saddle, 2 pieces	.60	4	A92	Truss rods	.50	4.2
A16	Wheel spider	3.00	20	A94	Truss standards	.20	1
A18	Wheel arm	10.00	78	A96	Weight lever	.40	3.6
A20	Wheel arm ring	1.40		A99	Swivel guide	.70	5.5
A22	Crank, short stroke	1.20	8	AL00	Wrist pin and nut	.60	.9
A22½	Crank, long stroke	1.50	10	A102	Main shaft	2.50	18
No. 24	Tower casting, wood tower	4.00	36	A107	Wrought connecting rods	.20	2
No. 24A	Tower casting for steel tower	2.50	22	A121	Arms without irons	.60	3.2
A24	Swivel with cap	.90	4.5	A123	Balance weight arms	.70	5.3
A24½	Swivel cap	.10	.5	A125	Fans	.10	.5
A25	Weight lever	.50	3.8	A127	Rims, short	.20	.8
No. 38	Weight lever yoke	.60	3.5	A129	Rims, long	.90	2.5
D43	Shipper-lever fulcrum	.20	1.5	A130	Wheel brace	.20	1
A54	Ball, upper half	1.00	11	W	Pump attachment	.30	2.3
A55	Ball, lower half	1.20	13	Completed Parts			
A57	Brass washer, 1 7-16 inch	.20	.2	Arms with irons	1.10	7	
No. 58	Inner sleeve, 2 pieces	.70	4.8	Balance arms and truss rods	2.40	17	
No. 59	Same as A14			Balance ball	2.20	24	
A60	Counter-balance weight	.50	5.4	Mill box packed	30.00	185	
A62	Governor weight	1.30	13	Mill head, without shipper	30.00	220	
				Section, with irons	3.00	11	
				Shipper, complete	1.50	12	
				A6, 7, 10 riveted	.70	3	
				A9 with 2 (A6-7-10)	2.00	8	
				Pitman with box	2.40	7	

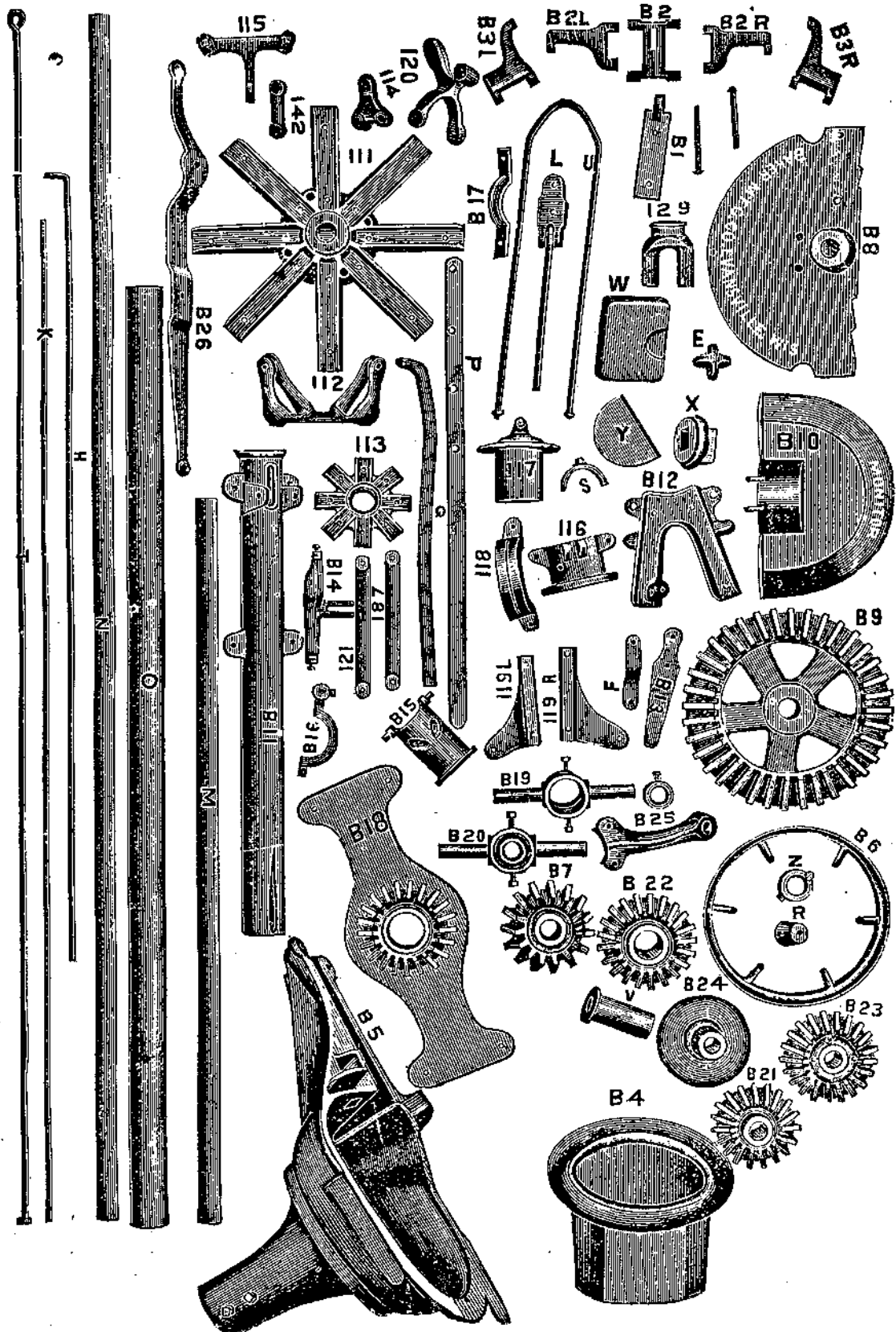
REPAIR PARTS FOR TWELVE-FOOT SWIVEL GEARED MILL



REPAIR LIST FOR TWELVE FOOT SWIVEL GEARED MILL

Sym.	Name of Part	Price	Wt.	Sym.	Name of Part	Price	Wt.
A2	Shipper casting, ea.	\$0.30	1	d	Center shaft	4.50	26
A2R	Shipper coupling, each	.20	.7	e	Shipper connection each	.20	.7
A2L	Shipper coupling, each	.20	.7	E	Coupling star	.20	1.5
A2½	Brace washer, each	.10	.3	f	Shipper rods, each	.20	1.5
A3R	Section casting, ea.	.20	.7	g	Sleeve connection	.50	3
A3L	Section casting, ea.	.20	.7	h	Governor bar	.80	5
A4	Wood arm casting, each	.20	1	k	Shipper sleeve trunion, each	.10	.5
A6	Rod end, each	.40	1.5	S	L. shaft sleeve trunion, each	.10	.5
A7	Link, each	.20	.7	X	L. shaft coupling sleeve	.50	3
A9	Fulcrum, each	.60	4.5				
A10	Sleeve pitman, ea.	.10	.5				
A12	Outer sleeve, two pieces	1.00	5		Unnumbered Parts		
A13	Brace spider	.60	4		Balance ball, upper half	1.00	11
A16	Wheel spider	3.00	20		Balance ball, lower half	1.20	13
B21	Intermediate gear	1.24	7		Brass washer	.20	.3
A27	Turntable	12.00	81		Collar or ring	.10	.5
A28	Center bearing cap	1.50	9		Governor weight	1.30	13
A29	Shield	1.00	8		Joint pins, ¾ in., drilled, each	.04	.3
A30	Shipper frame	.80	5.5		Joint pins, ¾ in., not drilled, each	.04	.3
A31	Shipper frame	.80	5.5		Rollers, geared, each	.20	1.5
A32	Bell crank shipper	.40	2.5		Shaft, nest	.90	5
A33R	Sleeve crotch	.20	1.3		Shaft, short	.80	4
A33L	Sleeve crotch	.20	1.3		Shipper fulcrum	.20	1
A34	Inner sleeve, two pieces	.80	5		Shipper lever casting, ea.	.10	.3
A35	Sleeve saddle, two pieces	.70	4		Truss rods, each	.50	3
A36	Large Bevel Wheel	3.50	22		Truss standard, each	.30	1.5
A37	Center pinton	1.50	9		Wrist pin and nut	.50	1.3
A38	Shipper sleeve	.70	4.5		Steel steps, long	.20	.3
A39	Shipper lever, each	.70	4.5		Steel steps, square	.20	.3
A40	Gas pipe spider	3.50	21				
A41	Swivel gear ring	2.80	16		Wood Parts		
A43	Upper swivel gear	1.40	8		Arms, each	.50	4
A45	Lower swivel gear	1.40	8		Arms with irons, each	1.00	6.5
A47	Swivel gear cover, each	.20	1.5		Balance weight arms, each	.70	5
A49	Bed plate	4.00	27		Fans, each	.10	1
A50	Pipe bearing, each	1.50	9		Lower gear lever	.40	2
A51	Tower casting	2.40	15		Lower gear lever with irons	.80	5
A52	Shipper lever girt	.50	3		Pump gear lever	.40	3
A53R	Balance weight arm socket	1.00	7		Pump gear lever with irons	.80	5
A53L	Balance weight arm socket	1.00	7		Pump gear pitman	.60	5
129	Coupling crotch, ea.	.80	5		Rim, long, each	.90	2
204	Pump gear lever casting	.30	2		Rim, short, each	.20	1
a	Main shipper rod	1.00	3.5		Shipper lever	.80	5
b	Gas pipe	2.40	15		Shipper lever with irons	1.00	6
c	Main shaft	3.20	19		Wheel brace, each	.20	1
CR	Lower gear lever casting	.20	1.5				
CL	Lower gear lever casting	.20	1.5		Completed Parts		
					Balance arms and truss rods	2.40	16
					Section with irons, each	3.00	11
					Sections, crated (eight)	24.00	125
					Shipper	2.00	13
					A41, complete	9.00	

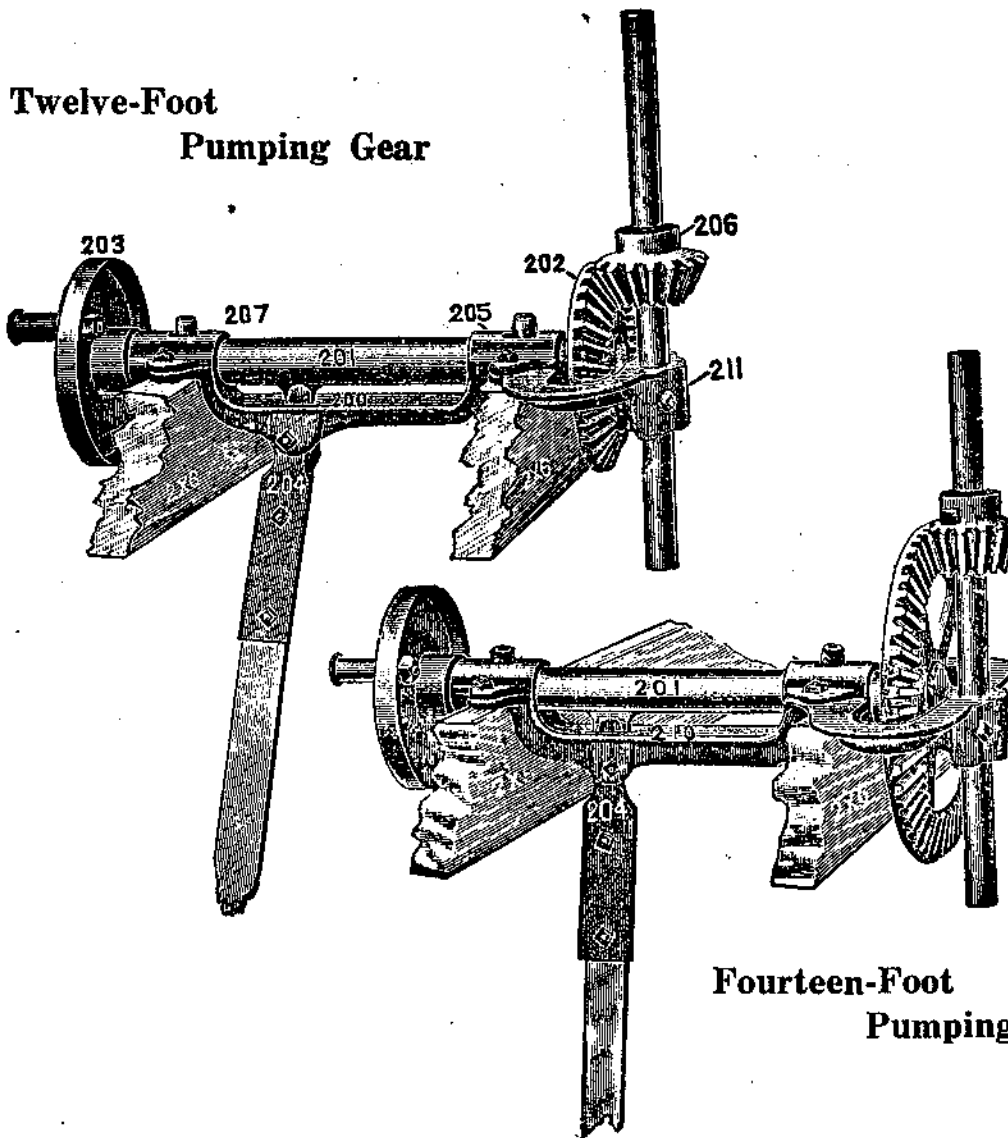
REPAIR PARTS FOR FOURTEEN-FOOT SWIVEL GEARED MILL



REPAIR LIST FOR FOURTEEN-FOOT SWIVEL GEARED MILL

Symbol	Name of Part	Price	Wt.	Symbol	Name of Part	Price	Wt.
B1	Wood arm casting, each	\$0.18	1.5	H	Shipper rod, each	.20	1.5
B2	Shipper casting, each	.28	1.5	K	Shipper sleeve connecting rod	.28	3
B2R	Shipper coupling, each	.28	1	M	Main shaft	6.00	38
B2L	Shipper coupling, each	.28	1	N	Center shaft	7.20	47
B3R	Section casting, each	.24	1	O	Gas pipe	4.50	34
B3L	Section casting, each	.24	1	P	Governor bar	.64	6
B5	Turntable	10.00	97	Q	Sleeve connection	.82	4
B6	Roller ring	.62	6	R	Roller, each	.10	1
B7	Center pinion	1.50	13	S	L. shaft sleeve trunion	.08	5
B8	Center pinion shield bearing	2.70	20	T	Truss rod, each	.34	3
B9	Bevel wheel	5.00	43	U	Truss rod	.30	2
B10	Bevel wheel shield	.72	7	V	Iron bushing	.90	3
B11	Wheel arm	4.24	43	W	Governor weight	2.56	27
B12	Truss rod casting	.90	9	X	L. shaft coupling sleeve	.42	3
B13	Truss rod guide arm	.18	1.5	Y	Shield bearing cap	.10	1
B14	Shipper lever yoke	.36	2.5	Z	Center shaft collar	.50	1.5
B15	Shipper sleeve	.40	3	Unnumbered Parts			
B16	Shipper sleeve yoke, 2 pieces	.42	3	Ball, upper half	2.10	23	
B17	Shipper rod guide, 2 pieces	.86	9	Ball, lower half	3.30	36	
B19	Gas pipe trunion	5.40	7	Brace washer, each	.10	.3	
B20	Center shaft trunion	5.40	7	Brass washer, 1 3/4 inch	.20	.3	
B21	Loose pinion, each	1.24	7	Brass washer, 1 1/2 inch	.20	.3	
B22	Double pinion	1.50	13	Pump attachment	.28	2	
B23	Upright shaft pinion	.96	8	Pump pin	.06	.3	
B24	Upright shaft bearing	.80	5	Joint pin, 7-16 inch, drilled, each	.10	.3	
B25	Arch arm, 2 pcs.	.84	6	Joint pin, 7-16 inch, not drilled, each	.08	.3	
B26	Shipper lever, 2 pieces	1.00	10	Shipper lever casting, each	.04	.3	
B27	Steel stub gear yoke	3.40	35	Short shaft	1.12	6	
B28	Tower casting	2.90	30	Wrist pin and nut	.52	1.3	
B29	Fulcrum girt with wrought piece	.70	6	Steel step	.20	.3	
111	Wheel spider	3.20	27	Steel stub girts, each	.20	1.5	
112	Shipper fulcrum, each	.52	4	Wood Parts			
113	Brace spider	.68	4	Arm, each	.50	4	
114	Shipper fulcrum link, each	.14	1	Arm with irons, each	1.06	7	
115	Rod end, each	.34	1.5	Balance weight arm, each	.70	7	
116	Outer sleeve, 2 pieces	.86	7	Box, maple, 1 1/4 inch, each	.10	1	
117	Inner sleeve, 2 pieces	.68	6	Fan, each	.14	1	
118	Sleeve saddle, each	.36	3	Lower gear lever	.36	2	
119R	Sleeve crotch	.18	2	Lower gear lever with irons	.60	5	
119L	Sleeve crotch	.18	2	Pump gear lever	.36	3	
120	Bell crank shipper	.54	3	Pump gear lever, with irons	.60	5	
121	Bell crank pitman, each	.28	1.5	Pump gear pitman	.46	5	
129	Coupling crotch, each	.76	5	Rim, long, each	.56	4	
142	Sleeve pitman, ea.	.16	.5	Rim, long, with irons, each	1.10	7	
187	Bell crank pitman, each	.28	1.5	Rim, short, each	.20	1	
204	Pump gear lever casting	.22	2	Shipper lever	.84	5	
CR	Lower gear lever casting	.14	1.5	Shipper lever with irons	1.00	6	
CL	Lower gear lever casting	.14	1.5	Truss standard, each	.24	1.5	
E	Coupling star	.14	1.5	Wheel brace, each	.24	2	
F	Shipper guide	.14	.5	Completed Parts			
				Balance arms and truss rods	2.10	20	
				Ball, contains 1-B19, 1-B20, 4-B21, 1-B22, 2-B25, 1-V, 4-1 1/4 inch trunion collar	25.90	134	
				Box, packed	34.00	330	
				Center shaft, gear and collar	9.30	62	
				Section, each	2.56	18	
				Section, with irons	3.20	22	
				Sections crated (eight)	28.00	225	
				Shipper, includes 1-B14, 1-119R, 1-119L, 1-120, 2-121, 2-187	4.00	27	
				Short shafts, B23, B24, 129	3.64	24	
				Tower casting, rollers and ring	4.10	42	
				Turntable with gas pipe	14.40	131	
				Wheel arm and fixtures	24.00	193	
				1 B15, 2 B16, 2 B26	1.80	16	
				1 B12, 1 B13 and F	1.20	10	

**Twelve-Foot
Pumping Gear**

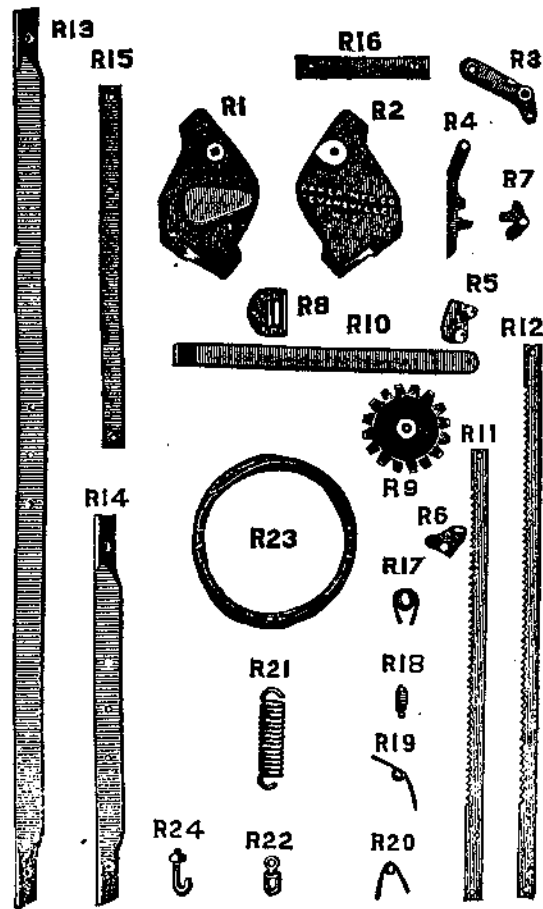


**Fourteen-Foot
Pumping Gear**

**REPAIR LIST FOR TWELVE AND FOURTEEN- FOOT
PUMPING GEARS**

Name of Parts	12-Ft. New Style			12-Ft. Old Style			14-Foot		
	Wt.	No.	Price	Wt.	No.	Price	Wt.	No.	Price
Frame -----	17	500	\$3.00	17	200	\$3.00	17	210	\$3.00
Pipe box -----	7	201	1.20	7	201	1.20	7	201	1.20
Bevel wheel -----	8	502	1.40	8	202	1.40	19	209	3.00
Crank wheel -----	10	203	1.50	10	203	1.50	10	203	1.50
Lever casting -----	2	204	.30	2	204	.30	2	204	.30
Gear cap -----	2	205	.30	2	205	.30	2	205	.30
Pinion -----	7	506	1.20	6	206	1.20	5	208	1.20
Crank cap -----	2	207	.30	2	207	.30	2	207	.30
Upright-shaft cap -----	2	211	.50	2	211	.50	2	211	.50
Shaft -----	4		.90	4		.90	4		.90
Wood lever -----	3		.40	3		.40	3		.40
Wood lever with irons -----	5		.80	5		.80	5		.80
Pump-gear pitman -----	5		.60	5		.60	5		.60

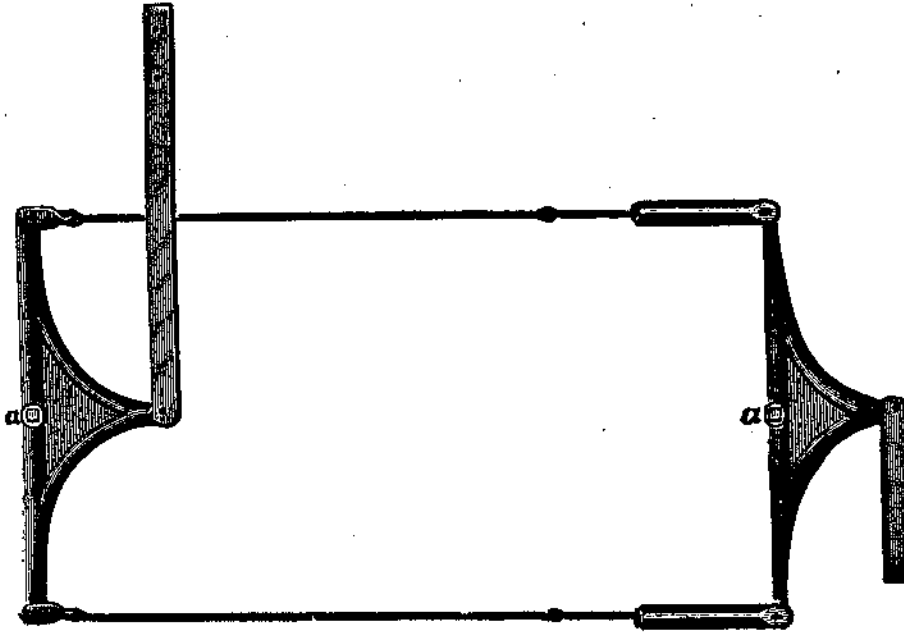
REPAIR PARTS FOR WINDMILL REGULATOR



REPAIR LIST FOR WINDMILL REGULATOR

Symbol	Name of Part	Price	Wt.	Symbol	Name of Part	Price	Wt.
R1	Case -----	\$0.60	3.5	R14½	Supporting angle,		
R2	Cover -----	.50	2.8		11½-in. -----	.30	1
R3	Float lever -----	.20	.5	R15	Brace -----	.20	.8
R4	Push-off -----	.10	.2	R16	Float lever ex-		
R5	Push dog -----	.10	.2		tension -----	.10	.5
				R17	Float lever spring	.10	.1
R6	Hold dog -----	.10	.2				
R7	Latch dog -----	.10	.2	R18	Push dog spring	.10	.1
R8	Pump-pole casting	.10	.4	R19	Hold dog spring	.10	.1
R9	Sprocket wheel	.20	.6	R20	Latch spring	.10	.1
R10	Pump-pole lever	.30	1.7	R21	Wire spring	.20	.7
				R22	Wire swivel	.10	.1
R11	Rack for 13½-in.						
	pull -----	.60	1.7	R23	Wire (50 ft. No.		
R12	Rack for 19½-in.				16 galvanized)---	.10	.7
	pull -----	.70	2.2	R24	Hook bolt	.10	.1
R13	Supporting angle,			R25	Box for pull-in		
	4-ft. -----	.90	5		regulator	1.20	11
R14	Supporting angle,			R26	Weight -----	.30	2.7
	1-ft. 8 inches---	.40	1.8				

PUMPING TRIANGLE



REPAIR LIST FOR PUMPING TRIANGLE

Name of Part	Price	Wt.	Name of Part	Price	Wt.
Main casting -----	\$1.50	8	Short strap -----	\$0.30	1
Casting for eyebolt-----	.70	3	Long strap -----	.70	3
Wire eye casting-----	.50	1	Eye bolt -----	.50	.5