

REPAIR CATALOGUE
OF
BAKER WINDMILLS



Manufactured by
THE HELLER-ALLER COMPANY
ESTABLISHED 1886
Napoleon, Ohio

Repair Parts List

MODELS 6, 7, 8, 10, 12 **BAKER** BACK GEAR MILLS

THE MODEL NUMBER DESIGNATES THE SIZE OF THE WINDMILL

Mod. 5, 5 (Discontinued) Takes Same Repair Lists As Mod. 1
Mod. 6, 6 (Discontinued) Takes Same Repair Lists As Mod. 7

Curt. No.	ARTICLE	6 FOOT		7 FOOT		8 FOOT		10 FOOT		12 FOOT	
		Part No.	Price	Part No.	Price	Part No.	Price	Part No.	Price	Part No.	Price
0	Galvanized Hood	60	\$ 2.00	76	\$ 2.00	80	\$ 2.00	100	\$ 2.50	120	\$ 3.00
1	Large Gear Wheel	51	2.25	52H	2.50	81	2.50	10A	2.70	121	3.20
2	Pump Rod Side Arm Hitch, Each	62	.80	72	.80	82	.80	102	.80	122	1.20
3	Steel Pin for Pinnae and Rocker Arm	3/4x3/4	.50	3/4x3/4	.50	3/4x3/4	.50	3/4x3/4	.50	3/4x3/4	.50
4	Cast Pinnae	34	1.20	34	1.20	34	1.50	34D	1.70	34E	2.00
5	Vane Castings	51	2.25	52N	2.50	85	2.50	107T	2.50	125	4.50
6	Wind Hub	66	2.25	76	2.50	86	3.00	106	3.50	126	4.50
7	Small Gear	67	.70	77	.80	87	.80	107	1.10	127	1.40
8	Rocker Arm	58	2.25	44S	2.50	44S	2.80	104M	3.00	128	3.50
9	Removable Main Bearing	59	2.50	2	2.50	2	2.00	5	2.20	2	2.50
10	Main Shaft	610	1.75	710	1.75	810	2.00	1010	2.50	1210	3.00
11	Bumper Springs, Each	11	.20	11	.20	11	.20	11	.20	1111	.20
12	Steel Pin for Large Gear & Oil Bowl, Ea.	1/2x3/4	.50	1/2x3/4	.50	1/2x3/4	.50	1/2x3/4	.50	1/2x3/4	.50
13	Cast Pulley for Chain, Each	13	.30	13	.30	13	.30	13	.30	13	.30
14	Steel Pin for Pinnae and Large Gear, Ea.	3/4x3/4	.50	3/4x3/4	.50	3/4x3/4	.50	3/4x3/4	.50	3/4x3/4	.50
15	Steel Pin Holding Rocker Arm to Oil Bowl	3/4x3/4	.50	3/4x3/4	.50	3/4x3/4	.50	3/4x3/4	.50	3/4x3/4	.50
16	Governor Spring	616	1.20	716	1.40	816	1.40	1016	1.50	1216	2.00
17	Pin for Vane Casting	617	.50	717	.50	817	.50	1017	.50	1217	.50
18	Steel Pump Rod and Swivel, Complete	18	4.50	18	4.50	18	4.50	18	4.50	1818	6.00
19	Swivel Only for Steel Pump Rod	18S	2.50	18S	2.50	18S	2.50	18S	2.50	1818S	3.50
20	Cast Guide Only for Steel Pump Rod	18G	1.00	18G	1.00	18G	1.00	18G	1.00	1818G	1.50
21	Half Round Rod for Cut No. 18	18HR	1.30	18HR	1.30	18HR	1.30	18HR	1.30	1818R	1.70
22	Steel Pin for Oil Bowl	19	.50	19	.50	19	.50	19	.50	19	.50
23	Full Oil Chain	20	.50	20	.50	20	.50	20	.50	20	.50
24	Hub Taper Steel Pin and Nut	621	.20	721	.20	821	.20	1021	.20	1221	.20
25	Oil Bowl and Turbine	Mod. 6	10.00	Mod. 7	11.00	Mod. 8	11.00	Mod. 10	13.50	Mod. 12	20.00
26	Full Steel Bearing	77	2.25	77	2.25	77	2.25	77	2.25	157T	3.00
27	Truing Center	X11	1.25	X11	1.25	X11	1.25	X11	1.25	X11	1.25
28	Pump Rod Hitch	85S	1.40	85S	1.40	85S	1.40	85S	1.40	85S	1.40
29	Perfect Oil Seal for Bearing	808	1.00	708	1.00	808	1.00	1008	1.20	1208	1.50
30	Packing Gland for Old Style Bearing	6PG	.50	7PG	.50	8PG	.50	10PG	.50	12PG	.75
31	Cast Plug for Oil Bowl	6CP	.15	7CP	.15	8CP	.15	10CP	.15	12CP	.20
32	Wind Fan or Sail	6Wx36	.25	6Wx28	.25	6Wx30	.25	6Wx36	.40	6Wx48	.60
33	Steel Wheel Rim with Chairs	722	1.00	722	1.10	822	1.10	1022	1.50	1222	2.00
34	Long Wheel Rim with Chairs	623	1.40	723	1.50	823	1.50	1023	2.00	1223	4.20
35	Large Steel Chair for Sail	624	.15	724	.15	824	.15	1024	.20	1224	.30
36	Small Steel Chair for Sail	625	.10	725	.10	825	.10	1025	.15	1225	.20
37	Wheel Section Complete	626	3.00	726	3.00	826	3.50	1026	4.00	1226	6.00
38	5 1/2" x 6 1/2" Di. Discontinued Wheel Sect.	626WS	3.00	626WS	3.50	626WS	3.50	626WS	4.00	626WS	4.50
39	Flat Steel Wheel Arm	627	.70	727	.80	827	.80	1027	1.00	1227	1.50
40	Flat Steel Wheel Frame	628	.80	728	.90	828	.90	1028	1.00	1228	1.50
41	Vane Pipe or Stem	629	2.00	729	2.10	829	2.30	1029	3.00	1229	4.50
42	Supporting Rod for Vane	630	.30	730	.40	830	.50	1030	1.00	1230	1.50
43	Set Mill Bolts	631	1.30	731	1.30	831	1.60	1031	1.80	1231	2.20
44	Set Wheel Bolts	632	.80	732	.80	832	1.00	1032	1.00	1232	1.40
45	Baker Zero Oil	1 Qt.	.45	1/2 Gal.	.65	1/2 Gal.	.65	1/2 Gal.	.90	1 Gal.	1.20
46	Wheel Complete with Arms, Braces & Bolts	6WC	17.00	7WC	18.25	8WC	23.00	10WC	28.00	12WC	52.00
47	Vane Complete	6VC	6.50	7VC	7.00	8VC	9.50	10VC	11.00	12VC	20.00
48	Engine Complete with Cover and Oil	6EC	20.00	7EC	22.00	8EC	23.50	10EC	27.00	12EC	48.50

Model 27—(Discontinued)—6 1/2 Foot Back Geared Mill

Part No.	ARTICLE	Price
1a3/4	Pin for Oil Bowl and Large Gear, Each	\$0.60
3a6 1/4	Pin Connecting No. 22 Pinnae and Rocker Arm	.50
3a6 1/2	Crank Pin for Large Gear—Matched to W" Diam. on One End	.20
3a6 3/4	Pin Holding Rocker to Oil Bowl	.60
22	Cast Pinnae, Each	.70
13E	Cast Rocker Arm	2.50
27E	Galvanized Hood	3.00
10E	Large Gears, Each	2.50
27E	Small Cast Pinnae Gear, Each	.80
28E	Side Arm for Pump Rod Hitch, Each	.60

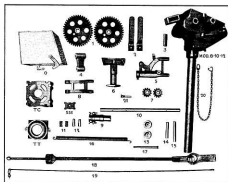
Other Parts Duplicate of Mod. 6, 5 or Mod. 7

Chart of Repair Parts

MODELS 6, 7, 8, 10, 12 **BAKER** BACK GEAR MILLS

Mod. 5.5 (Discontinued) Take Same Repair Lists As Mod. 6

Mod. 6.5 (Discontinued) Take Same Repair Lists As Mod. 7



IMPORTANT—Always give model number appearing on oil bowl together with number and description of part wanted when ordering repairs.

Entire Mechanism

BACK GEARED ENGINE



Fig. 6.3B

Phantom View

BACK GEARED ENGINE

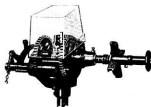
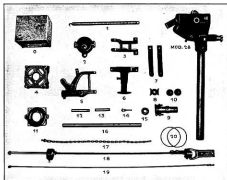


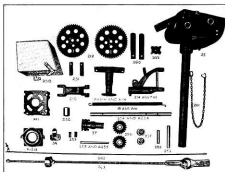
Fig. 6.5A

Model 28 Direct Stroke **BAKER** Run-In-Oil Mill Repairs



Symbol No.	Article	6-FOOT MILL		10-FOOT MILL	
		Part No.	List Price	Part No.	List Price
0	Galvanized Hood	.....	\$2.00	.....	\$5.00
1	Eccentric Spring	.....	1.40	.....	1.50
2	Eccentric, Complete	.....	4.00	.....	4.95
3	Lower Part of Eccentric with Shank and Pin Bearing	.....	1.50	.....	1.50
4	Upper Part Eccentric Ring	.....	1.50	.....	1.50
5	Cast only for Eccentric	.....	1.00	.....	1.00
6	Roller Arm	OC	1.00	OC	1.00
7	Truss Center	X11	1.50	X11	1.75
8	Truss Center	888	1.50	888B	1.50
9	Wheel Hub	VIIIH	1.00	XH	1.50
10	Side Arms for Pump Rod Work, Each	.....	.80	.....	.80
11	Top Casting for Pump Rod Work	888	1.00	888	1.00
12	Main Eccentric Bearing, Complete	.....	.75	.....	1.00
13	Cast Pulley for Chain, Each	.....	.30	.....	.30
14	Roll Bearing Trestle, Complete	X1213	2.25	X1213	2.25
15	Pin for Roller Arm to Barrel	1487	.50	1487	.50
16	Pin for Roller Arm and Eccentric	1487	.50	1487	.50
17	Upper Steel Pin and Nut for Hub	.....	.20	.....	.20
18	Cast Collar for Shaft	.....	.20	.....	.20
19	Main Shaft	.....	2.00	.....	2.50
20	Full Cut Chain	.....	.50	.....	.50
21	Steel Pump Rod and Shovel	.....	4.50	.....	4.50
22	Steel Full Cut Rod	.....	.80	.....	.50
23	Oil Ring, Each	.....	.15	.....	.15
24	Oil Ring, with Pipe Stem	.....	11.00	.....	11.00
25	Pin for Truss Casting	.....	.20	.....	.20
26	Stand Only for Main Bearing	.....	.50	.....	.50
27	Steel Bar for Wheel	.....	1.10	.....	1.50
28	Loop Bar for Wheel	.....	1.50	.....	1.60
29	Small Steel Chain	.....	.10	.....	.10
30	Large Steel Chain	.....	.15	.....	.15
31	Wheel Ties or Hubs	.....	.25	.....	.25
32	Flat Steel Wheel Bush	.....	.20	.....	1.50
33	Angle Steel Wheel Bush	.....	.20	.....	.40
34	Truss Shim or Pipe	.....	2.20	.....	3.00
35	Supporting Rod for Truss	.....	.50	.....	1.00
36	Wheel Section, Complete	.....	2.50	.....	4.00
37	Complete Wheel (6 sections) with Hubs, Wheel Arms and Ropes	.....	25.00	.....	30.00
38	Engine, Complete with Galvanized Hood and Oil	.....	25.00	.....	37.00
39	Set of 20 Bars for Trestle	.....	.75	.....	.75
40	Set of Mill Bolts (19 Double Head, 47 Single Head)	.....	1.50	.....	1.50
41	Set of Wheel Bolts (19 Double Head, 13 Single Head)	.....	1.00	.....	1.00
42	Truss Complete	.....	9.50	.....	11.00
43	Roller Arm Oil	1/2 Gal.	.25	1/2 Gal.	.25

Model 25 Discontinued **BAKER** Back Gear Engine Repairs



Model 25 Engine

ASSEMBLED



When ordering repairs always give size and model number of Mill, also part number and description of part.

Number	Article	Price	
		8-Foot	20-Foot
22	Oil Bowl with Drain Pipe.....	\$11.00	\$11.00
24	Buller Arm End Clip.....	1.00	1.00
27	Removable Bearings, Complete.....	2.00	2.00
205	Cool Pulley Arm.....	2.50	2.50
212	Large Gear Wheel, Each.....	2.50	2.50
280	Underside Wheel.....	2.00	2.00
281	Steel Pin for Large Gears, Each.....	.50	.50
282	Cool Pulley.....	1.25	1.25
283	Emergency Stopple, Each.....	.25	.25
284	Steel Spindle.....	2.00	2.00
A204	Steel Spindle.....	.50	2.50
285	Pin for Vase Casting.....	.50	.50
A285	Pin for Vase Casting.....	.50	.50
286	Small Gear Wheel, Each.....	.50	.50
287	Cool Pulley for Chain, Each.....	.50	.50
288	Steel Pin for Buller Arm.....	.50	.50
289	Steel Pin for Buller.....	.50	.50
290	Idle Arm for Rod Hitch, Each.....	.50	.50
281	Full Out Chain.....	.50	.50
282	Steel Pull Out Rod.....	.50	.50
283	Steel Pump Rod and Swivel.....	4.50	6.50
V1226	Flat Ice Wheel.....	3.00	3.00
X11	Trick Ice Wheel.....	1.00	1.00
A18	Compression Spring, 6 Ft.....	1.40	1.50
18	Compression Spring, 10 Ft.....	2.20	2.25
X1813	Roll Bearing, Removable.....	1.25	1.25
X11	Tracing Gear.....	1.25	1.25
X14	Vase Casting, 6 Ft.....	2.50	2.50
V16	Vase Casting, 10 Ft.....	3.00	3.00
285	Pump Rod Hitch Casting.....	1.00	1.00
.....	Clash for Bearing.....	.50	.50
.....	Short Pin for Wheel.....	1.20	1.20
.....	Long Pin for Wheel.....	1.20	2.00
.....	Large Steel Chair.....	.15	.15
.....	Small Steel Chair.....	.10	.10
.....	Wheel Turn or Roll.....	.25	.25
.....	Flat Steel Wheel Arm.....	.80	1.00
.....	Angle Steel Brace for Wheel.....	.50	.80
.....	Vase Chain or Pipe.....	2.50	2.50
.....	*Wheel Section, Complete.....	3.00	4.00
.....	Complete Wheel (8 sections) with Bolt, Wheel Arms and Braces.....	20.00	28.00
.....	Vase Complete.....	9.50	11.00
.....	Set of Bolts for Turntable.....	.70	.70

*Model 25, 8-foot wheel has six sections with six blades in 6 sections.
Model 20, 20-foot wheel has six wheels contains with eight blades in 8 sections.

Discontinued Direct Stroke **BAKER** Run-In-Oil Engine Repairs

WITH BABBITT ECCENTRIC AND OVERHEAD OILING GEARS



Part No.	Article	List Price	
		8 Ft.	10 Ft.
002	Oil Bowl Only	\$6.00	\$8.00
00	Main Crank. with Pist.	8.00	8.00
00H2	Babbitt Eccentric Complete	4.00	4.00
00T	Slider Arm	1.50	1.50
002	Band for Rocker Arm	1.50	1.50
W02	Oil Flange	3.00	3.00
V02H	Wheel Hub	1.50	1.50
W02	Yoke Crank.	3.00	3.00
W20	Pump Rod Hub	.50	.50
W20	Small Oiling Gear	1.00	1.00
W20	Large Oiling Gear	1.00	1.00
W20	Oilstand Hood	1.00	1.00
W20	Ball Round Pump Rod	1.50	1.50
W20	Pump Rod and Swivel	1.50	1.50
W20	Steel I. Brack.	.50	.50
W20	Cast Bearing Glass	.50	.50
W20	Bearing Packing	.50	.50
W20	Main Rod Scudels	2.00	2.00
W20	Short Rocker Arm Pin, Each	.50	.50
W20	Long Rocker Arm Pin	.50	.50

Other parts duplicate of Model 25 Windmill as listed on Page 72.

Give size and model of M.E. Also part number and description of article when ordering.

Discontinued Back Gear **BAKER** Run-In-Oil Engine Repairs

WITH OVERHEAD BEARING AND OILING GEARS

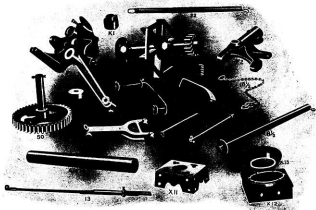
Part No.	Article	LIST PRICE	
		8 Ft.	10 Ft.
00	Main Crank. with Pipe	\$8.00	
00	Oil Bowl	1.50	\$8.00
V02H	Wheel Hub	1.50	1.50
X-H	Main Rod Scudels	1.50	1.50
07	Large Gear Wheel, Each	2.00	2.00
W20	Yoke Crank.	3.00	3.00
0	Small Flange Gear	.50	.50
013	Rocker Arm Band	1.50	1.50
024	Rocker Arm	1.50	1.50
024	Pins, Arm, Each	1.00	1.00
027	Cast Oil Flange	.50	.50
027	Oiling Gear	.50	.50
111X	Oiling Glass	.50	.50
002	Crank for Small Gear	1.50	1.50
002	Flat L. Small Beare	1.00	1.00
014	Pump Rod Hub	.50	.50
014	Pin for Large Glass	.50	.50
014	Pin for Rocker Arm	.50	.50
014	Pin for Large Glass	.50	.50
014	Pin for Rod Hub	.50	.50
014	Glass for Main Beareap	.50	.50
014	Grasswood Band	2.00	2.00



Other parts duplicate of Model 25 Windmill as listed on Page 72.

Give size and model of M.E. Also part number and description of article when ordering.

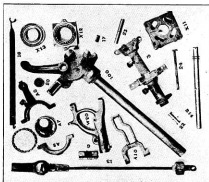
Repair Parts for Open Style **BAKER** Back Geared Mills



Number		Description of Part	Price	
8-Foot	10-Foot		8-Foot	10-Foot
1	W1	Main Casting	\$7.00	\$9.00
2	W2	Vase Casting	5.00	3.00
3	W3	Socket Arm	3.00	3.00
4	W4	Lower for Pipe	3.00	3.00
5	W5	Wheel Hub	5.00	5.00
6	W6	Steel Spindle	1.00	1.00
7	W7	Pipe for Main Casting	1.00	1.00
8	W8	Steel Spindle	1.00	1.00
9	W9	Chains	1.50	1.50
10	W10	Truing Gear	1.50	1.50
11	W11	Bottom Part of Turntable	1.38	1.38
12	W12	Top Part of Turntable	.88	.88
13	W13	Steel Pump Rod and Seal	4.00	4.00
14	W14	Cast Iron Flange and Wheel Pin	2.00	3.00
15	W15	Steel Pin for Socket Arm	.40	.50
16	W16	Steel Pin for Vase Casting	.40	.50
17	W17	Policy for Chain	.40	.50
18	W18	Clavette Spring	1.43	1.50
19	W19	Swapper Spring	1.43	1.50
20	W20	Cast Gudge on Bottom of 2 Jack Pipe	1.00	1.00
21	W21	Cast Gudge on Bottom of 2 Jack Pipe	1.00	1.00
22	W22	Cast Iron Shield for Gear	2.00	2.00
23	W23	Steel Pin for Wheel	1.18	1.50
24	W24	Large Steel Ball Chain	1.38	1.50
25	W25	Small Steel Ball Chain	.18	.35
26	W26	Wheel Pin or Bolt	.25	.35
27	W27	Flat Steel Wheel Arm	.48	1.00
28	W28	Angle Steel Spine for Wheel	.48	.50
29	W29	Vase Stem or Pipe	2.30	3.00
30	W30	Supporting Rod for Vase	.76	1.00
31	W31	Wheel Complete with Arms and Spacers and Bolt	25.00	25.00
32	W32	Vase, Complete	8.50	11.00
33	W33	Spindle, Complete	12.50	21.00
34	W34	Set of Ball Bearings for Turntable	75	75
35	W35	Set of Overhead Ball Bearings for Turntable	75	75
36	W36	Top Casting for Pump Rod and Seal	.30	.30

When ordering give size of Mill and description and number of part.

Repair Parts for Open Type Direct Stroke BAKER Mills



Part No.	Description of Part	PRICE	
		8 Ft.	10 Ft.
D8E	Double Row Ball Bearer Eccentric, Comp.	\$8.00	\$6.00
100	Main Casting, 10 Feet	5.50	4.50
A100	Yoke Casting, 10 Feet	5.50	3.50
W20	Yoke Casting, 8 Feet	5.50	3.50
F2	Yoke Casting, 8 Feet	5.50	3.50
A3	Wheel Hub, 10 Feet	2.00	1.50
A6	Upper Part Double Ball Eccentric	2.50	2.00
A7	Cam for Double Ball Eccentric	2.00	2.00
A8	Lower Part Double Ball Eccentric	2.50	2.00
A10	Roller Arm for Double Ball Eccentric	3.00	3.00
X11	Tuning Conder	1.50	1.50
X12	Bottom Part of Turntable	1.25	1.25
X13	Top Part of Turntable	.45	.45
X1213	Turntable, Complete	2.25	2.25
B14	Steel Spindle, 10 Feet	2.00	1.50
A14	Steel Spindle, 8 Feet	2.00	1.50
18	Governor Spring, 10 Feet	1.40	1.40
A19	Governor Spring, 8 Feet	1.40	1.40
12	Steel Pump Rod and Seivel	4.00	4.00
16	Regulating Spring	1.40	1.40
17	Spring Bumpers	.40	.40
19	Full Oil Chain	.80	.80
20	Pulley for Full Oil Chain	.50	.50
22	Steel Steel Pin for Roller Arm	.50	.50
23	Steel Steel Pin for Roller Arm	.50	.50
24	Steel Pin for Yoke Casting	.40	.40
	Steel Pin for Wheel	1.00	1.00
	Long Pin for Wheel	1.50	1.50
	Large Steel Sill Chain	.15	.15
	Small Steel Sill Chain	.10	.10
	Wheel Fan or Sill Chain	.25	.25
	Flat Steel Wheel Arm	.80	1.00
	Angie Steel Bore for Wheel	.50	.50
	Yoke Shim or Pipe	1.25	1.00
	Supporting Rod for Yoke	.50	1.00
	Wheel Complete with Arms and Rollers and Bolts	20.00	20.00
	Yoke, Complete	8.50	11.00
	Engine, Complete	17.00	21.00
	Roll. Bearings and Bolts for D. S. Ecc.	1.00	1.00
	Rollers Only for D. S. Eccentric, Set	.50	.50
	Balance Weight for Wheel	.50	.50
	Eccentric Bolts, Each	.20	.20

IMPORTANT—The slide eccentric and single row ball bearing eccentric were used prior to 1915, being interchangeable. Note offset arm which requires No. 10 straight roller.



SINGLE ROW BALL BEARING ECCENTRIC

No.	Description of Part	Price	
		8 Ft.	10 Ft.
	Single Ball Eccentric, Complete	\$4.00	\$4.00
	Set of Ball B. for S. B. Eccentric	1.00	1.00
6	Upper CB-Set Arm, S. B. Eccentric	1.40	1.40
7	Cam for S. B. Eccentric	1.40	1.40
8	Lower Ball Ring, S. B. Eccentric	1.40	1.40
10	Roller Arm for S. B. Eccentric	4.00	4.00
	Eccentric Bolts, Each	.05	.05

When ordering give size of MILL and when erected.
State plainly the number on part and description of part.