

ERECTING INSTRUCTIONS

AND PARTS-PRICE LIST FOR

Monitor

SKY POWER WINDMILLS

Model Numbers

4060S WB 6½ Foot

4080S WC 8 Foot

4100S WD 10 Foot

Always supply the Model Number when communicating with us regarding your windmill or when ordering repairs.

Good News!

Your **MONITOR SKY POWER** windmill can bring you a new day of comfort and ease. Do you realize that windmills just like your own Sky Power windmill are the "backbone" of inexpensive, drudgery-relieving farm water systems all over the country?

We can furnish plans and equipment necessary to give you **RUNNING WATER** "on tap" at all times!

Your local Baker dealer will be glad to draw up plans for a running water system that will fit **YOUR** farm. See him immediately. It can mean a new life for you and your family.

BAKER MANUFACTURING CO.
EVANSVILLE - WISCONSIN

Monitor

BAKER RUN-IN-OIL WINDMILLS



OVER A
HALF CENTURY
OF SERVICE

5½, 6½, 8, 10, 12 Foot Sizes

We have been manufacturers of Baker Windmills, Towers, Pumps and allied goods for a half century. Because of our long experience, we understand thoroughly the requirements of a perfectly constructed windmill. With our Baker Run-in-Oil Windmill, we conscientiously believe and know we are producing the best windmill it is possible to build.

Our engineers have worked out the most simple construction for a windmill. We have done away with all unnecessary parts which in time would prove troublesome. Only the very best of materials and highest class workmanship go into our Baker Windmills.

It has been our aim to produce a windmill that will pump water in the light breezes, giving an uninterrupted lifetime of service. We have been rewarded; the Baker Windmill having gained the enviable reputation as "the mill that runs when others are standing still." Hundreds of Baker Windmills erected 40 and 45 years ago are today still faithfully pumping water. Your investment in a Baker Windmill is assurance of a lifetime of economical, trouble-free water-pumping service. The only attention required and cost of operation is oiling once a year.

WARRANTY

Baker Wind Engines and Towers are constructed of good material in a first-class manner and warranted not to blow down in any wind that does not damage substantial structures in the immediate vicinity (if properly erected and cared for); to run for one year on one oiling. Any part or parts found defective in material or workmanship within one year after erection will be replaced free of charge, f. o. b. our factory. A defect in any one article to affect purchase and price of that article only.

ERECTING INSTRUCTIONS for W PULL-IN WINDMILLS



FIG. 1

2. Remove all castings from the pipe, (Fig. 1), and proceed to attach the tower plates to the top of the tower with $3/8$ inch x $3/4$ inch carriage bolts. Before tightening, attach the lower ball race to the top of the plates with $3/8$ inch x 1 inch machine bolts and tighten all nuts. (Fig. 2.) Next, attach lower tower casting to tower using $3/8$ inch x $1\ 1/4$ inch bolts for 6 $1/2$ foot and 8 foot mills and $1/2$ inch x $1\ 1/2$ inch bolts for 10 foot mill.



FIG. 2

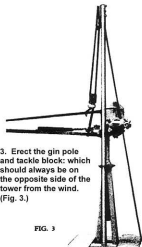


FIG. 3

3. Erect the gin pole and tackle block: which should always be on the opposite side of the tower from the wind. (Fig. 3.)

4. To put together the vane stem, No. 63, vane truss, No. 64, and vane sheet, No. 72A: (a) Bolt the vane stem and vane truss together at the outer end with a $3/8$ inch x $3/4$ inch machine bolt. (b) Bolt the sheet to them with $3/8$ inch x $3/4$ inch machine bolts, using a flat washer under the nut on the sheet side. (Fig. 4.)

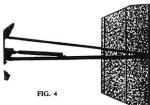
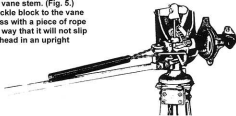


FIG. 4

ERECTING INSTRUCTIONS for W PULL-IN WINDMILLS

5. On the 6 foot and 8 foot mills, bolt the assembled vane to the head. Use $3/8$ inch x $1\ 1/4$ inch bolts to bolt vane stem to lower vane hinge, No. WB 12, and $7/16$ inch x $1\ 1/2$ inch bolt, for No. WC 12, (Use $1/2$ inch x $1\ 3/4$ inch bolts for WD 12.) Then hook one end of the spring in the widened

link of the chain and the other end in the middle hole in the vane stem. (Fig. 5.) Next, attach the tackle block to the vane stem and vane truss with a piece of rope or chain in such a way that it will not slip and also hold the head in an upright position.



6. Tie a guy rope to the head in such a way that the vane will be kept away from the tower. This rope should be at least as long as the tower is high. Pull the head up high enough to enter the pipe into the tower or stub. Before putting the balls and spacers in the race of the ball bearing turntable, FILL THE RACE WITH GREASE; otherwise the balls may drop out before the mill head is in place on the balls. Place the No. 5 casting on top of the balls, and turn to see that it works freely. Clamp in position to receive the mill with the notch in the right location to receive the chain; then lower the mill into the tower and put the No. 22 casting in the bottom of the pipe. After the mill is in place and resting on the balls in the ball bearing turntable, the LOWER TOWER CASTING SHOULD BE LOWERED AGAINST THE FLANGE OF THE CASTING No. 22, and raised $1/32$ of an inch to $1/16$ of an inch for clearance.

Assembling the Wheel

7. Next, assemble the wheel on the ground, straightening all spokes or sails bent in shipping. In assembling the sections, fasten the inner rim outside the cross piece in the spoke with $3/8$ inch x $3/4$ inch machine bolts. When facing the front of the wheel and considering the lower sections, the $3/8$ inch x $1\ 1/4$ inch machine bolt that goes through the outer end of the spoke also goes through the left end hole of the outer rim. (Use $3/8$ inch x $3/4$ inch bolts for the other splice holes in the outer rim.) Both inner and outer rims lap the same way all around the wheel. Keep the nuts loose until the wheel is assembled; then turn the spokes so the cross pieces against the inner rim sets at right angles to the rim. Tighten all bolts. Now put a chain around the inner rim at a spoke on the inside of the wheel, hook on the tackle block and hoist the wheel up and bolt to the hub with

ERECTING INSTRUCTIONS for W PULL-IN WINDMILLS

3/8 inch x 1 1/4 inch bolts on 6 1/2 foot and 8 foot mills, and 3/8 inch x 1 1/2 inch bolts on 10 foot mills. Put the bolts in with the nuts toward the outside and tighten securely. Take down the gin pole and tackle block.

Putting in Piston Rod

8. Next, remove the cover and after removing the upper pump pole casting, No. 17, and lock nut from the piston rod, put the piston rod through the steel plate furnished with the piston swivel eye, No. 16, and down through the mill pipe. Then put No. 16 in place on the rocker and bolt the steel plate up under No. 16 with machine bolts and a lock washer under the head of each bolt. Now see that the piston rod swivels in No. 16; if not, correct the trouble. Put the cotter pin through the rocker and spread to hold No. 16 in place. Turn the mill to the bottom of the stroke and with the pump piston 3/4 inch off bottom, cut the pump pole the right length to bolt to No. 17.

Then turn the mill to the center of the stroke and put on the upper swinging pump pole guide where the tower is 19 3/4 inches wide. If it is necessary to punch holes in the tower corner angle, they should be 1 1/4 inch from the back. Bolt on the flats found in the packing box with 3/8 inch x 1 inch bolts. Put in swinging guide and fasten in position with cotters. Then bolt to pump pole in level position with two 1/4 inch x 2 inch carriage bolts and clip. (Fig. 6.)

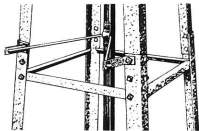


Fig. 6

If the tower has swinging pump pole guides, this top one should be on the same side as the others. Before leaving mill, oil vane hinge and latch pitman with a heavy oil and also instruct the customer to occasionally oil same.

If the mill does not go completely out-of-the-wind when the wire is released, oil all joints and see that nothing catches or binds. Observe carefully the swivel bail where it slides up between the tower legs. If, when everything is well oiled and works freely, the mill does not go out, increase the spring tension by hooking it further out on the vane stem.

ERECTING INSTRUCTIONS for W PULL-IN WINDMILLS

CARE OF MILL

ONCE A YEAR:

- (1) Grease lower tower bearing in which the mill pipe turns.
- (2) With steam cylinder or auto shackle oil, lubricate the two vane hinges, latch, joints, sheaves, chain, wire, swivel and pump pole guides.
- (3) Drain gear case and refill with all-weather oil.

When erecting W series mills on the No. 5000 Towers, use the special tower plates furnished to fit these towers.

When erecting W mills on competitor towers, use the regular stub. It will fit all towers with very little punching. It is priced low to avoid trouble with special tower plates or tower castings.

HOW TO ORDER PARTS FOR MONITOR SKY POWER WINDMILLS

MODEL NUMBERS 40S0S, 40S0S, 4100S

When ordering, always give the following information:

1. Part number.
2. Name of part and price.
3. The model number of your windmill.

Always order from your local Monitor dealer.

If you do not know your local dealer's name
write to your nearest Baker branch.

All prices are subject to change without notice.

MONITOR BRANCHES

BAKER MFG. CO.: Minneapolis, Minn.; Madison, Wis.; Fort Dodge, Ia.; Cedar Rapids, Ia.; Omaha, Neb.;
Kansas City, Mo.; Enid, Okla.; Hutchinson, Kan.; Winnipeg, Manitoba, Canada.

AXTELL CO.: Fort Worth, Texas; Amarillo, Texas; Lubbock, Texas; San Angelo, Texas.

BAKER MANUFACTURING COMPANY
EVANSVILLE, WISCONSIN

PARTS



54 1/2



16



44



46



43



51



52



83



89



95



11



18



6 1/2



6



58



59



22



76



14



56



97



9



4



49



55

PARTS



19



12



15



2



53



82



1A



5



85



74



75



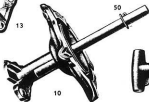
8



21



13



10

50



78



80



7

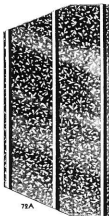
PARTS



86A



71



63A



64A



54A

17

PARTS-PRICE LIST FOR 8 FOOT MILL MODEL 4080S

Revised June, 1945

In ordering Repair Parts, be sure to give Name and Part No.

Symbol & Part No.	Page Shown	Description	Weight	Price
WC-1A	8	Lower Ball Race - (3 and 4 Post)	5 lbs. 12 ozs.	\$ 2.20
WC-2A	8	Lower Tower Casting (4 Post)	6 lbs. 4 ozs.	1.60
WC-2X	not shown	Lower Tower Casting (3 Post)	5 lbs. 8 ozs.	1.90
WC-3A	9	Crank Case, Furnished with Drain & Fill Plugs, Set Screw, Bushings, & Pipe	75 lbs. 6 ozs.	22.00
WC-4	7	Sheave Shield, Furnished with Sheaves, Rivets and Cotter complete - Formerly AC4A	3 lbs. 8 ozs.	1.80
WC-5A	8	Upper Ball Race.	7 lbs. 8 ozs.	3.30
WC-6	7	Wheel Shaft Bushing - Long, 1-1/8 x 2-7/8" Formerly K-6	6 ozs.	.35
WC-6 1/2	7	Wheel Shaft Bushing - Short, 1-1/8 x 2-1/8"	3 ozs.	.20
WC-7	8	Pitman Guide	4 lbs. 4 ozs.	1.40
WC-8	8	Crank Gear, 1-3/4 F. 7-13/16" O.D. 6 P.-42 T	7 lbs. 8 ozs.	2.50
WC-9	7	Piston, 1-7/8" F. 3" O.D. 6P.-167.	2 lbs. 5 ozs.	1.20
WC-10V	8	Wheel Hub, Furnished with Shaft, Key, Oil Collar, Cotter, and Washer.	18 lbs. 4 ozs.	7.00
WC-11	7	Upper Vane Hinge, Formerly AC-11	1 lb.	.25
WC-12	8	Lower Vane Hinge, Formerly AC-12	4 lbs.	.80
WC-13	8	Latch.	14 ozs.	.25
WC-14	7	Sheave - Formerly E-14	8 ozs.	.30
WC-15	8	Brake.5 lbs. 2 ozs.	.75
WC-16	7	Piston Swivel Eye, Furnished with Plate & 2 Bolts 3/8" x 2-3/4" & Lock Washers.	1 lb. 10 ozs.	1.20
WC-17	8	Upper Pump Pole Casting.	1 lb. 4 ozs.	.40
WC-18	7	Inner Control Wire Swivel - Formerly AC-18	8 ozs.	.40
WC-19	8	Outer Control Wire Swivel, Assembled with 2 bolts.	2 lbs.	.80
WC-20	8	Pump Coupler	2 lbs.	.70
WC-21	8	Crank Case Cover, Furnished with Gasket.	7 lbs. 4 ozs.	1.50
WC-22	7	Lower Piston Rod Guide, Furnished with 3/8 x 1/8" bolt, less nut.	1 lb. 12 ozs.	.50
WC-42	not shown	Oil Ring Assembly, Furnished with Bracket, Guide & Oil Ring.	8 ozs.	.90
WC-43	7	Oil Ring, #10 x 6" O.D.	2 ozs.	.20
WC-44	7	Oil Ring Guide, Furnished with Bracket, Com.	6 ozs.	.30
WC-46	7	Oil Ring Trough, Furnished complete with Spout	4 ozs.	.20
WC-49	7	Cover Gasket	1 oz.	.15
WC-50	8	Wheel Shaft, 1-1/8 x 14-3/8, Furnished with Hub, Key & Oil Collar.	18 lbs. 10 ozs.	7.00
WC-51	7	Crank Gear Shaft, 1-1/8 x 7"	2 lbs.	.60
WC-52	7	Pitman Guide Hinge Pin, 3/4 x 7 1/2, Furnished with Cotter Pins	14 ozs.	.35
WC-53	8	Pitman, 1" x 8 C	3 lbs. 13 ozs.	1.30

PARTS-PRICE LIST FOR 6½ FOOT MILL MODEL 4060S

Symbol & Part No.	Page Shown	Description	Weight	Price
WB-55	8	Pitman, 7/8 x 6¼	1 lb. 10 ozs.	\$ 1.10
WB-54A	9	Piston Rod, 7/16 x 40 U.W., Furnished with Lock Nut.	2 lbs. 1 oz.	.50
WB-54½	7	Piston Swivel Eye Plate, 3/8 x 1-1/8 x 2-1/8	2 ozs.	.40
WB-55	7	Vane Hinge Pin, 7/16 x 11-1/2, Furnished with Cotter	8 ozs.	.20
WB-56	7	Brake Rod, 7/16, Furnished with Nut and Cotter	7 ozs.	.40
WB-58	7	Sleeve Pin - Drilled, 5/16 x 1-3/4, Furnished with Cotter	1 oz.	.06
WB-59	7	Sleeve Pin - Not Drilled, 5/16 x 1-5/8	1 oz.	.04
WB-60	7	Latch Pitman, 7/16 x 5½, Furnished with Cotter	6 ozs.	.20
WB-63A	9	Vane Stem Angle for One Sheet Vane (N.S.) 7/8 x 1-3/8 x 62°	5 lbs. 8 ozs.	1.50
WB-64A	9	Vane Stem Truss Angle, 3/4 x 3/4 x 62°	3 lbs.	1.00
WB-68	9	Wheel Spoke, 5/32 x 1, Furnished with Knee, Formerly B-68	2 lbs. 13 ozs.	.80
WB-69	9	Outer Rim, 3/16 x 1 x 49½ - Formerly B-69	2 lbs. 7 ozs.	.65
WB-70	9	Inner Rim, 5/32 x 1 x 24½ - Formerly B-70	1 lb. 1 oz.	.30
WB-71	9	Sail, Furnished with Sail Clips	2 lbs. 15 ozs.	.60
WB-72A	9	Vane Sheet (One Piece), #24 x 20 x 40°	6 lbs. 8 ozs.	2.60
WB-74	8	Sail Clip - Large - Formerly E-74	See Page 13	
WB-75	8	Sail Clip - Small - Formerly E-75	See Page 13	
WB-76	7	Oil Collar (Wire), 1-1/16 O.D. x ½"	1 oz.	.15
WB-78	8	Lower Chain Extension, 3/16" x 44"	4 ozs.	.10
WB-78A	9	Swivel Sail (3 & 4 Post), 1/8 x 1/2 x 12-3/4	1 lb. 2 ozs.	.80
WB-80	8	Upper Chain End, 1/8 x 1 x 3½	2½ ozs.	.08
WB-82	8	Governor Spring, 5/32 x 1-3/8 x 11-3/4	2 lbs. 2 ozs.	.60
WB-83	7	Brake Spring, 13/16 O.D. x 2"	2 ozs.	.15
WB-85A	8	Swivel Chain, 5/32" x 24-3/4" with WB-78	1 lb. 1 oz.	.60
WB-86A	9	Mill Pipe, 1½ x 25-3/4	6 lbs. 4 ozs.	1.20
WB-89	7	Ball Spacers, 15 - 1/8 G.P. x .7", Furnished with 15 - 1/2" Balls	8 ozs.	1.20
WB-95	7	Steel Balls, 15 per set, 1/2", Furnished with 15 Ball Spacers	8 ozs.	1.20
WB-97	7	Woodruff Key, 1/4"	1 oz.	.08
WB-100B		Bolts to attach Head to Tower	2 lbs. 14 ozs.	3.30
WB-100C		Bolts to attach Head to Stub & Stub to Tower	4 lbs.	4.00
WB-100X		Bolts to attach Head to Stub & Stub to Tower	3 lbs. 4 ozs.	3.50
WB-101B		Bolts for Assembling Wheel	1 lb. 6 ozs.	1.20
WB-103B		Bolts to Assemble Vane & attach to Head	10 ozs.	.70
WB-80L-1		Wheel Section Only (1)	10½ lbs.	3.05
T-1-O		Tower Plates (4-Post) See Tower Repair List Cir.5008	Page 12	
T-1-OX		Tower Plates (3-Post) See Tower Repair List Cir.5003	Page 12	

PARTS-PRICE LIST FOR 6½ FOOT MILL MODEL 4060S

Revised June, 1945

In ordering Repair Parts, be sure to give Name and Part No.

Symbol & Part No.	Page Shown	Description	Weight	Price
WB-1A	8	Lower Ball Race - (3 and 4 Post)	4 lbs. 6 ozs.	\$ 2.00
WB-2	8	Lower Tower Casting (4 Post)	5 lbs. 4 ozs.	1.50
WB-2X	not shown	Lower Tower Casting (3 Post)	3 lbs. 4 ozs.	1.00
WB-3A	9	Crank Case, Furnished with Drain and Fill Plugs, Set Screw, Bushings & Pipe	42 lbs. 4 ozs.	15.00
WB-4	7	Sheave Shield, Furnished with Sheaves, Rivets and Cotter complete.	2 lbs. 3 ozs.	1.40
WB-5A	8	Upper Ball Race	6 lbs. 10 ozs.	2.50
WB-6	7	Wheel Shaft Bushing - Long, 7/8 x 2-7/8	2½ ozs.	.30
WB-6A	7	Wheel Shaft Bushing - Short, 7/8 x 1-5/8 - Formerly WB-6	1½ ozs.	.20
WB-7	8	Pitman Guide.	2 lbs. 13 ozs.	1.30
WB-8	8	Crank Gear, 6-7/16 O.D.	6 lbs. 12 ozs.	2.00
WB-9	7	Pinion, 2-1/4" O.D., 7 P.-14 T.	1 lb. 12 ozs.	1.00
WB-10	8	Wheel Hub, Furnished with Shaft, Keys, Oil Collar, Cotter & Washer.	11 lbs. 4 ozs.	5.60
WB-11	7	Upper Vane Hinge.	8 ozs.	.20
WB-12	8	Lower Vane Hinge.	2 lbs. 10 ozs.	.60
WB-13	8	Latch	8 ozs.	.20
WB-14	7	Sheave, 2" O.D.	8 ozs.	.25
WB-15	8	Brake	1 lb. 8 ozs.	.60
WB-16	7	Piston Swivel Eye, Furnished with Plate and Bolts 3/8 x 2-3/4.	1 lb. 6 ozs.	1.10
WB-17	9	Upper Pump Pole Casting - Formerly V-17	1 lb. 2 ozs.	.35
WB-18	7	Inner Control Wire Swivel, Furnished with Cotter Key.	4 ozs.	.35
WB-19A	8	Outer Control Wire Swivel, Bolted together with 2 Bolts - Formerly WB-19	1 lb.	.80
WB-20		Pump Coupler.	See page 12	
WB-21	8	Crank Case Cover, Furnished with Gasket, WB49	5 lbs. 14 ozs.	1.10
WB-22	7	Lower Piston Rod Guide, Furnished with Bolt	1 lb.	.40
WB-42	not shown	Oil Ring Assembly, Furnished with Bracket & Ring Complete	8 ozs.	.60
WB-43	7	Oil Ring, #10 Wire, 5" O.D.	2 ozs.	.15
WB-44	7	Oil Ring Guide, Furnished complete with Bracket and Clip	4 ozs.	.30
WB-46	7	Oil Ring Trough, Furnished complete with Spout.	2 ozs.	.20
WB-49	7	Cover Gasket.	1 oz.	.15
WB-50	8	Wheel Shaft 7/8 x 11-7/8, Furnished with WB10	11 lbs. 4 ozs.	5.60
WB-51	7	Crank Gear Shaft, 7/8 x 5-3/4	1 lb.	.60
WB-52	7	Pitman Guide Hinge Pin, 5/8 x 6-1/8. Furnished with Cotters.	9 ozs.	.30

PARTS-PRICE LIST FOR 8 FOOT MILL MODEL 4080S

Symbol & Part No.	Page Shown	Description	Weight	Price
WC-54A	9	Piston Rod, 9/16 x 50 U.H., Furnished with 9/16 Hex. Nut.	4 lbs. 4 ozs.	\$.75
WC-54B	7	Piston Swivel Eye Plate, 1/2 x 1 1/2 x 2-1/2". See WC-15	5 ozs.	.50
WC-55	7	Vane Hinge Pin, 9/16 x 1 1/4, Furnished with Cotter's	1 lb.	.25
WC-56	7	Brake Rod, 1/2 x 1 1/4, Furnished with Cotter and Nut.	12 ozs.	.45
WC-58	7	Sheave Pin (Drilled) RH Rivet, 3/8 x 2, Furnished with Cotter	1 oz.	.06
WC-59	7	Sheave Pin (Not Drilled), 3/8 x 2-1/8.	1 oz.	.04
WC-60	7	Latch Pin, 1/2 x 6" C.O., Furnished with Cotter's.	10 ozs.	.25
WC-63A	9	Vane Stem Angle for One Piece Vane Sheet, 1 1/2 x 2 x 6' 4".	9 lbs. 2 ozs.	2.10
WC-64A	9	Vane Stem Truss Angle, 1 1/2 x 1 1/2 x 6' 4".	7 lbs. 10 ozs.	2.20
WC-68	9	Wheel Spoke, Furnished with Knee - Formerly E-68 . .	3 lbs. 12 ozs.	.90
WC-69	9	Outer Rim (5 Section Wheel) 1 x 3/16 x 49 1/2	2 lbs. 7 ozs.	.70
WC-70	9	Inner Rim (5 Section Wheel) 1 x 5/32 x 25"	1 lb.	.30
WC-71	9	Ball, #21 Gauge, 1 1/2 x 5 1/2 x 29", Furnished with Clips	3 lbs.	.70
WC-72A	9	Vane Sheet (1 piece), 24" x 48".	8 lbs. 4 ozs.	3.00
WC-74	9	Ball Clip - Large #18 Gauge U.S. - Formerly E-74 . .	3 ozs.	.10
WC-75	8	Ball Clip - Small - each Formerly E-75	1 oz.	.06
WC-76	7	Oil Collar, #12 Wire - 1-1/8 I.D. x 5/8"	1 oz.	.15
WC-78	8	Lower Chain Extension, 1/2 x 1 x 4 1/2" long.	6 ozs.	.15
WC-79A	9	Swivel Ball, 3/16 x 5/8 x 1 1/2 x 6-5/8 wide Formerly WC-279.	1 lb. 4 ozs.	1.10
WC-80	8	Upper Chain End, 3/16 x 1 x 3 1/2	3 ozs.	.06
WC-82	8	Governor Spring, 1-11/16 dia. x 14-3/8" long, 74 Coils	2 lbs. 12 ozs.	.90
WC-83	7	Brake Spring, 29/32 dia. x 2-7/8 long.	4 ozs.	.15
WC-85A	8	Swivel Chain, 3/16" x 44-5/8" long with WC 78.	1 lb. 8 ozs.	1.05
WC-86A	9	Mill Pipe, 2" Gas Pipe 31 1/2" long	9 lbs. 4 ozs.	2.10
WC-89	7	Ball Spacers per set of 15, 1/4" G.P. x 25/32, Furnished with 15 - 5/8" Balls.	14 ozs.	1.70
WC-95	7	Steel Balls per set of 15, 5/8", Furnished with 15 Spacers	14 ozs.	1.70
WC-97	7	Woodruff Key, 3/16 x 1-3/8	1 oz.	.08
WC-100B		Bolts to attach Head to Tower.	3 lbs. 14 ozs.	3.80
WC-100B		Bolts to attach Head to Stub & Stub to Tower	5 lbs.	4.50
WC-100X		Bolts to attach Head to Stub & Stub to Tower	4 lbs. 2 ozs.	3.90
WC-101B		Bolts to Assemble Wheel.	2 lbs.	1.60
WC-103B		Bolts to Assemble Vane & attach to Head.	12 ozs.	.80
WC-801-1		Wheel Section Only (1)	13 1/2 lbs.	3.35
KS01-1		Wheel Section only (1) for 6-section	12 lbs.	3.35
T-1-1		Tower Plates (4-Post) See Tower Repair List Cir. 5003		Page 12
T-1-1X		Tower Plates (3-Post) See Tower Repair List Cir. 5003		Page 12

PARTS-PRICE LIST FOR 10 FOOT MILL MODEL 4100S

Revised June, 1945

In ordering Repair Parts, be sure to give Name and Part No.

Symbol & Part No.	Page Shown	Description	Weight	Price
WD-1A	8	Lower Ball Race - (3 and 4 Post)	6 lbs. 12 ozs.	\$ 3.20
WD-2A	8	Lower Tower Casting (4 Post)	13 lbs. 12 ozs.	3.70
WD-3X	not shown	Lower Tower Casting (3 Post)	9 lbs. 12 ozs.	2.30
WD-3A	9	Crank Case, Furnished with all plugs, set screw and pipe.	118 lbs. 8 ozs.	43.00
WD-4	7	Sheave Shield, Furnished with Sheaves, Pins and Cotter.	6 lbs.	3.00
WD-5A	8	Upper Ball Race.	10 lbs.	4.20
WD-6	7	Wheel Shaft Bushing - Long, 1-3/8 x 4-3/4.	8 ozs.	.70
WD-6½	7	Wheel Shaft Bushing - Short, 1-3/8 x 2-3/4	4 ozs.	.50
WD-7	8	Pitman Guide	6 lbs. 2 ozs.	3.60
WD-8	8	Crank Gear, 5 P.47 T, 2-3/16 F-9.8 O.D.	15 lbs. 1 oz.	4.50
WD-9	7	Pinion, 5P.-17T, 2-3/16 F.3" O.D.	4 lbs. 8 ozs.	3.60
WD-10	8	Wheel Hub, Furnished with Shaft, Key, and Oil Collar	36 lbs. 12 ozs.	14.00
WD-11	7	Upper Vane Hinge	1 lb. 10 ozs.	.50
WD-12	8	Lower Vane Hinge	6 lbs.	2.00
WD-13	8	Latch.	1 lb. 4 ozs.	.35
WD-14	7	Sheave	12 ozs.	.60
WD-15	8	Brake.	5 lbs. 6 ozs.	1.20
WD-16	7	Piston Swivel Eye, Furnished with Plates & Bolts	2 lbs. 12 ozs.	2.10
WD-17	9	Upper Pump Pole Casting, Formerly J-17	1 lb. 10 ozs.	.60
WD-18	7	Inner Control Wire Swivel, Furnished with Cotter Key	10 ozs.	1.00
WD-19	8	Outer Control Wire Swivel, assembled with 2 Bolts.	5 lbs.	1.50
WD-20		Pump Coupler	2 lbs. See page 12	
WD-21	8	Crank Case Cover, Furnished with Gasket.	15 lbs. 9 ozs.	2.40
WD-22	7	Lower Piston Rod Guide, Furnished with Bolt.	4 lbs. 8 ozs.	1.30
WD-42	not shown	Oil Ring Assembly Furnished with Bracket Guide and Ring Complete	12 ozs.	2.90
WD-43	7	Oil Ring, #8 Wire x 7½" O.D.	2 ozs.	.25
WD-44	7	Oil Ring Guide, Furnished with Bracket & Clips	10 ozs.	.70
WD-46	7	Oil Ring Trough, Furnished with Spout.	6 ozs.	.70
WD-49	7	Cover Gasket	1 oz.	.30
WD-50	8	Wheel Shaft, 1-3/8 x 18, Furnished with Hub, Key, & Oil Collar.	38 lbs. 12 ozs.	14.00
WD-51	7	Crank Gear Shaft, 1-3/8 x 8½	3 lbs. 10 ozs.	.90
WD-52	7	Pitman Guide Hinge Pin, 1 x 8-3/4 x 1½ x 10" C.C., Furnished with Cotters.	1 lb. 14 ozs.	.90
WD-53	8	Pitman, 1-5/32 x 2½ Pins	5 lbs. 4 ozs.	1.60
WD-54A	9	Piston Rod, 5/8 x 61½ U.H., Furnished with Lock Nut	6 lbs. 8 ozs.	1.10
WD-54½	7	Piston Swivel Eye Plate, 5/8 x 1-3/4 x 3	10 ozs.	.80
WD-55	7	Vane Hinge Pin, 11/16 x 18-1/2, Furnished with Cotter	2 lbs.	.60
WD-56	7	Brake Rod, 5/8 x 15-3/8", Furnished with Nut & Cotter.	1 lb. 4 ozs.	.60

PARTS-PRICE LIST FOR 10 FOOT MILL MODEL 4100S

Symbol & Part No.	Page Shown	Description	Weight	Price
WD-58	7	Sheave Pin (Drilled), 7/16 x 2-1/4, Furnished with Cotter.	4 oss.	\$.10
WD-59	7	Sheave Pin (Not Drilled), 7/16 x 2-3/8	4 oss.	.06
WD-60	7	Latch Pitman, 5/8 x 7-1/2 C.C., Furnished with Cotter	1 lb.	.80
WD-62A	9	Vane Stem Angle for One Sheet Vane, 2 1/2 x 2 1/2 x 3/16 x 9"	16 lbs. 12 oss.	5.00
WD-64A	9	Vane Truss Angle, 1 1/2 x 1 1/2 x 1/8 x 9' 1/2"	9 lbs.	3.00
WD-67A	9	Vane Stem Brace, 1-1/4 x 47-1/2 Angle.	4 lbs.	.65
WD-68	9	Wheel Spoke, 3/16" x 1", Furnished with Knees.	5 lbs. 2 oss.	1.40
WD-69	9	Outer Rim, 1/4 x 1-1/4 x 4' 8", Formerly X-69	4 lbs. 12 oss.	1.30
WD-70	9	Inner Rim, 3/16 x 1 x 22", #20 Ga., Formerly J-70.	1 lb. 8 oss.	.60
WD-71	9	Sail, 7 1/2 x 17 1/2 x 34, #24 Ga., Furnished with Sail Clip, Formerly J-71	5 lbs.	1.20
WD-72A	9	Vane Sheet (One Piece) 30" x 60"	9 lbs. 13 oss.	3.60
WD-74	8	Sail Clip - Large, #16 Ga.-Formerly X-74	4 oss.	.15
WD-75	8	Sail Clip - Small, #16 Ga.-Formerly X-75	2 oss.	.10
WD-76	7	Oil Collar (Wire), #12 Wire, 1-9/16 X 3/4"	1 oz.	.25
WD-78	8	Lower Chain Extension, 1-1/8 x 5/16 x 6 1/2	10 oss.	.30
WD-79A	9	Swivel Ball (3 & 4 Post) 1/2 x 3/4 x 23"	3 lbs. 4 oss.	1.20
WD-80	8	Upper Chain End, 1 x 1/4 x 4-3/4	6 oss.	.20
WD-82	8	Governor Spring, 2-1/8 x 1 1/2, 74 Turns	5 lbs. 12 oss.	1.80
WD-85	7	Brake Spring, 1-1/8" x 3-5/8".	8 oss.	.20
WD-85A	8	Swivel Chain, 7/32" x 50 1/2", Furnished with Lower Chain Extension	1 lb. 12 oss.	1.60
WD-85A	9	Mill Pipe, 2 1/2" G. Pipe, 42 1/2" Long.	18 lbs. 8 oss.	3.80
WD-89	7	Ball Spacers, per set of 17, 1/4" G.P., 13/16" long, Furnished with 17 - 5/8" Steel Balls.	1 lb. 2 oss.	1.90
WD-95	7	Steel Balls, per set of 17, 5/8", Furnished with 17 Ball Spacers WD-89.	1 lb. 2 oss.	1.90
1D-97	7	Woodruff Key	1 lb.	.20
WD-501-1		Wheel Section Only (1)	22 lbs.	7.60
T-1-2		Tower Plates (4-Post) See Tower Repair List Cir. 8008		Page 12
T-1-2X		Tower Plates (3-Post) See Tower Repair List Cir. 8003		Page 12

NOT JUST A WINDMILL . . .

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STORM · SAFE

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OFFERS YOU THE CHANCE OF A LIFETIME!

Right over your head is blowing one of nature's richest *Free Gifts*. It's waiting to be harnessed with this **MONITOR** Windmill Running Water System idea. Those who have tried it say, "Why didn't you tell me about it before?"

Undoubtedly, you too have longed for running water. Maybe you have thought that as long as you had a windmill and no electricity you would have to lug water with a bucket the way grandpa did. If so, there's a happy surprise in store for you. The Sky Power Windmill running water system puts wings on water.

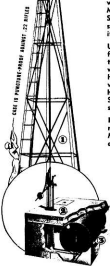
Here is a running water setup as modern as an electric system. The **MONITOR** force pump is fully equipped with complete automatic

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You have your choice of a pneumatic pressure tank or an overhead storage gravity tank (1000 gallon capacity) complete with pressure or overflow regulators. And your power . . . the wind . . . is *scot free!*

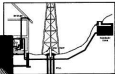
The **STORM-SAFE** windmill system weathers the storms that cripple electric lines, yet the ball bearing turntable and famous Monitor wheel make it sensitive to a leaf-stirring breeze. It's "wind-governed"—constant pumping speed in any degree of wind.

Yes, your dream of having running water "on tap" can now be a reality! For the whole story see your local Baker dealer or write to the nearest Baker branch.



PNEUMATIC PRESSURE SYSTEM

Big 1000 gallon capacity tank gives windmill extra strength through available days of calm. Automatic pressure control. Also be braked and regulated. Installed by hand. Start or started in position back to only an hour's work.



OVERHEAD GRAVITY SYSTEM

Special concrete or steel tank can be braked before tank is empty 100 or 200 feet above level of faucet, with automatic float switch.

① **MONITOR STORM-SAFE WINDMILL**

② **MONITOR Force Pump with Automatic Controls**

③ **1000 Gallon Storage Tank with Automatic Regulator**

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