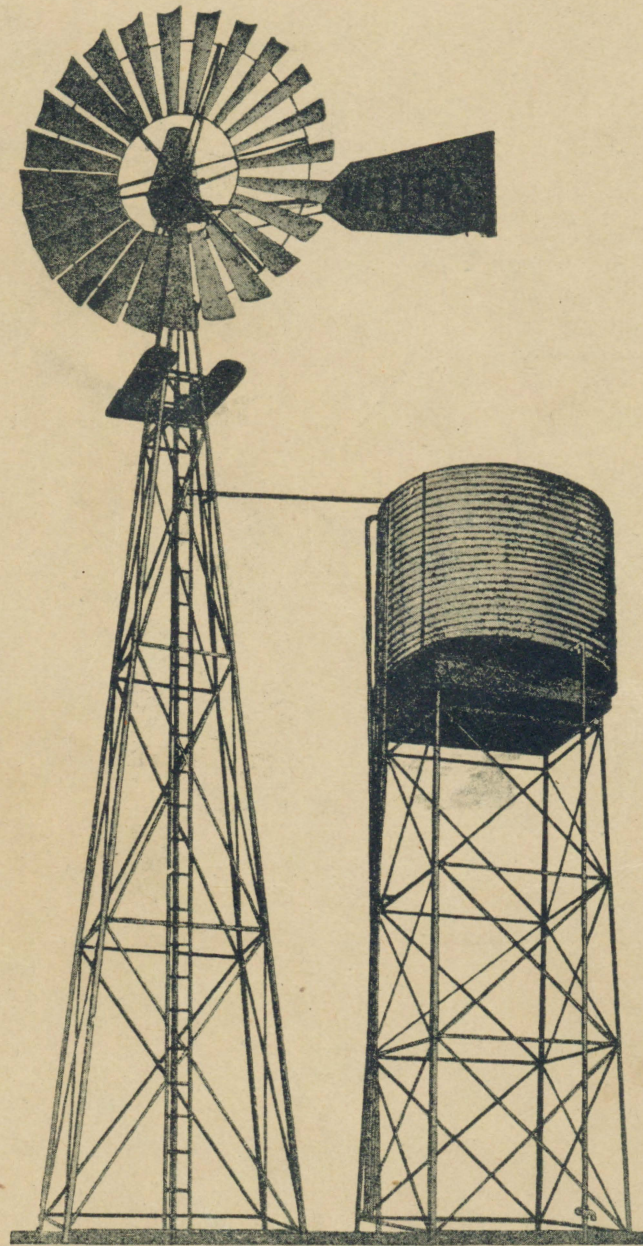
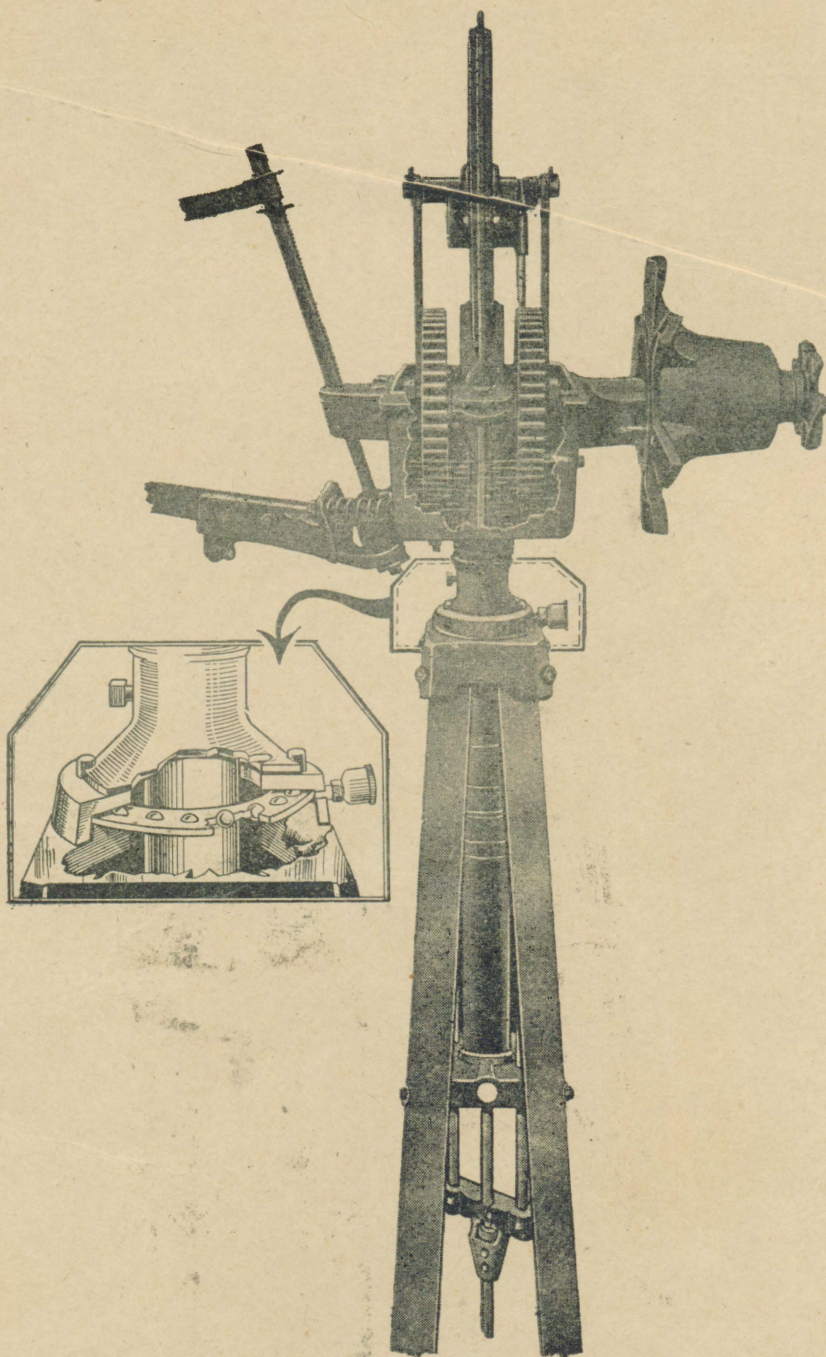


DUPLICATE PARTS
METTERS WINDMILLS



METTERS LIMITED

66 GRENFELL STREET, ADELAIDE



Metters Type K Windmill Heads

can be fitted to any existing windmill tower by making a few slight alterations to the tower. Metters Minor and Monitor 5 and 6 $\frac{1}{2}$ ft. and Metters 8 and 10 ft. Windmotor Windwheels can be used providing same are in good order

OCTOBER, 1945.

METTERS LIMITED

66 GRENFELL STREET, ADELAIDE

Duplicate Parts for Metters Wind Mills

When ordering replacement parts it is essential that clients state the size and pattern of the windmill, and the numbers and names of the parts required. Information regarding the age of the mill will also be helpful.

The first windmill manufactured by Metters Limited was during 1896 and known as the Windmotor. This mill was made in four sizes, namely 8, 10, 12, and 14 ft., and was fitted with fixed white metal bearings which were abandoned in 1898 in favour of replaceable brass cylindrical shaped bearings. Brass hexagon shaped split bearings were introduced during 1910, but after two years, cylindrical bearings were again resumed. Important alterations were made to the design of the Windmotor during 1914. The 8 ft. 1914 Pattern Windmill was fitted with two special brass bearings for the Hub Shaft. These bearings had an oval shaped flange with two screw holes at outer end. The Gearwheel shaft remained stationary in the cast sleeve so that no bearings were needed for same. The Gearwheel itself turned on the shaft. The 10, 12, and 14 ft. Windmotors supplied during 1914 were fitted with Ball Bearings, but in 1915 we again reverted to brass cylindrical bearings in all sizes.

Shortly after the Windmotor had become well established on the market, the Doris Windmill was introduced. This mill was made in one size only, namely 6 ft. The Doris Wind Wheel was composed of four double flat spokes, and the Hub and Pinion was cast in one piece.

The Toff Windmill was first made early in the twentieth century in four sizes, 6, 7, 8, and 9 ft., and was fitted with white metal bearings that were run into the casting whilst in molten form, and not replaceable. The Wind Wheel of this Mill had single angle iron spokes.

The first of the Nuoil series was supplied during 1919. This Mill was equipped with outside furling gear that operated on the same principle as an umbrella, and is known as the 1919 Pattern Nuoil. During 1921 very important improvements were made on the Nuoil Mill, principally in the furling gear and turntable. The outside furling gear was abandoned, and a more direct system introduced. A ball-bearing turntable was also included. During 1924 alterations took place in the design of the cross head and guide. A T iron guide loop displaced the two single round steel guide bars. Towards the end of 1929 the spring oil pump was abandoned in favour of a springless system whereby the operation of the automatic oil feeder was derived direct from the cross head. With the exception of the alterations to the crosshead and guide the 1921 Pattern Nuoil was maintained until 1931, when the Master Nuoil Windmill was first introduced.

The Master Nuoil Windmills are equipped with interchangeable and replaceable bearings of high class anti-friction metal on both the gear wheel and hub spindles. The automatic governing device is more simplified and effective. The tail when out of gear is poised upward and drops back into gear under its own weight, the governor weight or spring being entirely eliminated.

The 6 and 7 ft. single crank Self-Oil Windmills were first manufactured during 1922, and abandoned in 1929, when the Master Nuoil came on the market equipped with 6 and 7 ft. Windmills.

The first 5 ft. Minor Windmill was manufactured in 1927.

The first Type "K" Double Geared self-oiling Windmill was supplied in September, 1934.

It had two pinions which were secured to the Hub Shaft with steel cotter pins. The furl chain operated inside the pipe barrel. The crosshead guide consisted of a round steel rod inside of a steel tube which was welded to the pipe barrel. The tail support pin was in two pieces but from September, 1936, was supplied in one piece.

Important improvements were introduced during 1937 and from June, 1937, the furl chain operated outside of the pipe barrel. Single pinions were keyed to the hub spindle; tee iron guide loop welded to the pipe barrel; the crosshead altered to suit the tee iron loop, and ball bearing turntable included.

The new anti pumprod swivel attachment and interchangeable bearings for the gearwheel stroke holes were supplied from August, 1939, and from September, 1945, two cast steel washers for ball bearing turntable were included.

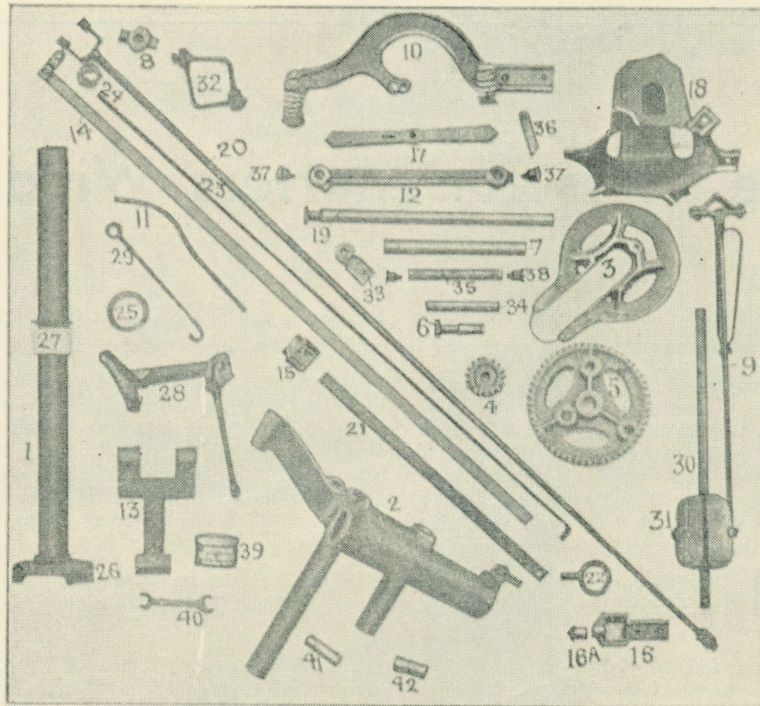
REPLACEMENT PARTS METTERS WIND MOTOR

Manufactured in 8, 10, 12, and 14 ft. sizes.

With the exception of the bearings very few alterations were made in the design of "Windmotor" parts between the year 1896 and 1919. The original bearings were fixed white metal for both gear and hub shaft in all sizes, but were altered to replaceable brass cylindrical shape during 1898. Replaceable brass split hexagon shaped bearings were introduced in 1910, but after two years cylindrical bearings were resumed.

The 8 ft. 1914 Pattern Windmotor hub was fitted with two cylindrical bearings with oval shape flange and two screw holes on outer end, the gear wheel shaft remained stationary in the cast sleeve, the gearwheel itself turned on the shaft. (See page 3 for 8 ft. 1914 Parts).

The 10, 12 and 14 ft. Windmotors supplied during 1914 were fitted with ball bearings, but in 1915 we again reverted to brass cylindrical bearings in all sizes.



- | | | |
|----------------------|------------------------|-----------------------------------|
| No. | No. | No. |
| 1 Pipe Barrel | 16a Ferrule for Swivel | 31 Governor Weight |
| 2 Main Casting | 17 Cross Guide | 32 Tower Clamp |
| 3 Brake Casting | 18 Bell or Hub | 33 Tail Bone Casting |
| 4 Pinion Wheel | 19 Bell Spindle | 34 Short Rocker Spindle |
| 5 Gear Wheel | 20 Pump Rod | 35 Long Rocker Spindle |
| 6 Crank Pin | 21 Furl Bar | 36 Dividing Piece |
| 7 Gear Wheel Spindle | 22 Furl Bar Casting | 37 Grease Cups for Pitman |
| 8 Pump Rod Head | 23 Furl Wire | 38 Grease Cups for Rocker Spindle |
| 9 Furl Handle | 24 Furl Wire Disc | 39 Tin Lubricant |
| 10 Quadrant | 25 Turntable Ring | 40 Mill Spanner |
| 11 Brake Rod | 26 Base Block | 41 Long Bearing for Hub Spindle |
| 12 Pitman | 27 Pipe Collar | 42 Short Bearing for Gear Spindle |
| 13 Rocker | 28 Furl Lever | |
| 14 Tie Bar | 29 Tail Hook | |
| 15 Pipe Casting | 30 Governor Bar | |
| 16 Pump Rod Swivel | | |

When Ordering Replacement Parts Please State Size, Pattern, and Age of Windmill, and the Names and Numbers of the Parts Required.

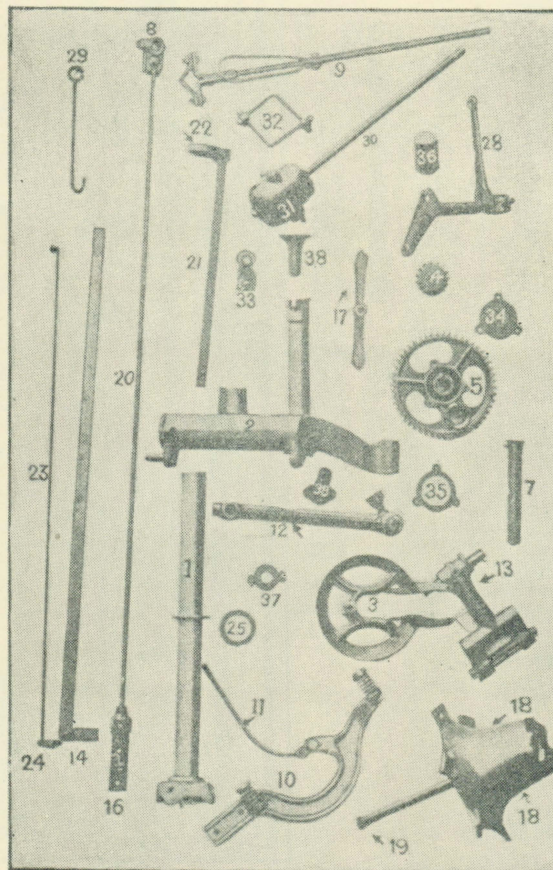
REPLACEMENT PARTS

METERS 1914 PATTERN WIND MOTOR

8 ft. only.

This pattern was manufactured in the one size, and fitted with two Brass Flanged Bearings to the hub shaft only; held in position with two Counter Sunk Screws for each Bearing.

- No.
- 1 Pipe Barrel
 - 2 Main Casting
 - 3 Brake Casting
 - 4 Pinion Wheel
 - 5 Gear Wheel
 - 7 Gear Spindle
 - 8 Pump Rod Head
 - 9 Furl Handle
 - 10 Quadrant
 - 11 Brake Rod
 - 12 Pitman
 - 13 Rocker
 - If Spindles are wanted
please mention these.
 - 14 Tie Bar
 - 15 Pipe Casting
 - 16 Pump Rod Swivel
 - 17 Cross Guide
 - 18 Bell or Hub
 - 19 Bell Spindle
 - 20 Pump Rod
 - 21 Furl Bar
 - 22 Furl Bar Casting
 - 23 Furl Wire
 - 24 Furl Wire Disc
 - 25 Turntable Ring
 - 26 Base Block
 - 27 Pipe Collar
 - 28 Furl Lever
 - 29 Tail Hook
 - 30 Governor Bar
 - 31 Governor Weight
 - 32 Tower Clamp
 - 33 Tail Bone Casting
 - 34 Cover for Gear Wheel
 - 35 Leather Washer for Gear
Wheel
 - 36 Tin Grease
 - 37 Brass Washer for end of
Wheel Shaft
 - 38 Brass Bearing



**When Ordering Replacement Parts Please State Size, Pattern, and Age of Windmill, and the
Names and Numbers of the Parts Required.**

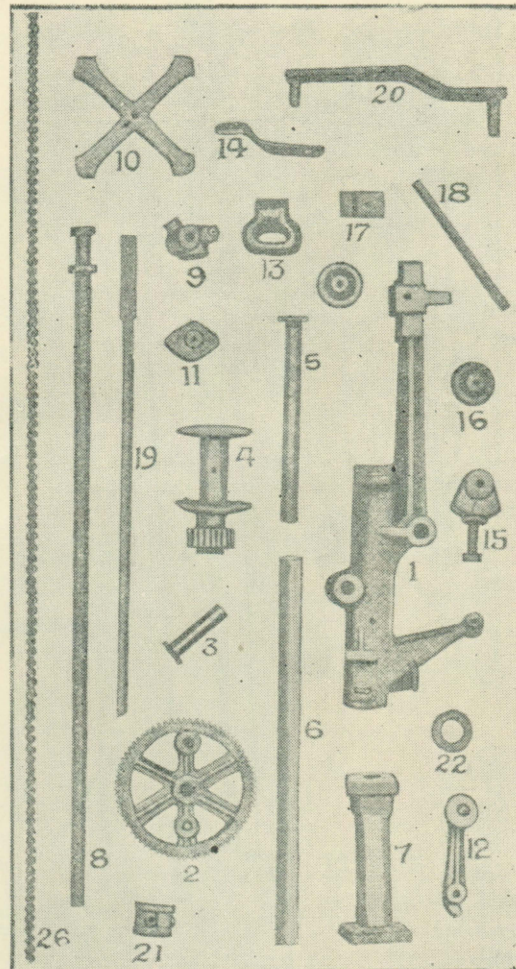
REPLACEMENT PARTS

METTERS LITTLE DORIS WIND MILL

Manufactured in one size only, 6 ft.

No.

- 1 Main Casting
- 2 Gear Wheel
- 3 Gear Wheel Spindle
- 4 Hub and Pinion
- 5 Hub Spindle
- 6 Pipe Barrel
- 7 Base Block
- 8 Main Pump Rod
- 9 Pump Rod Head
- 10 Cross Guide
- 11 Hub Cap
- 12 Tail Hanger and Washer
- 13 Tail Hinge
- 14 Tail Spring
- 15 Sheaf Carrier
- 16 Sheaf Pulley for Head
- 17 Pump Rod Guide Bracket
- 18 Pump Rod Guide Bar
- 19 Top Section Pump Rod
- 20 Pitman
- 21 Pump Rod Casting
- 22 Gun Metal Turntable Ring
- 26 Furl Chain



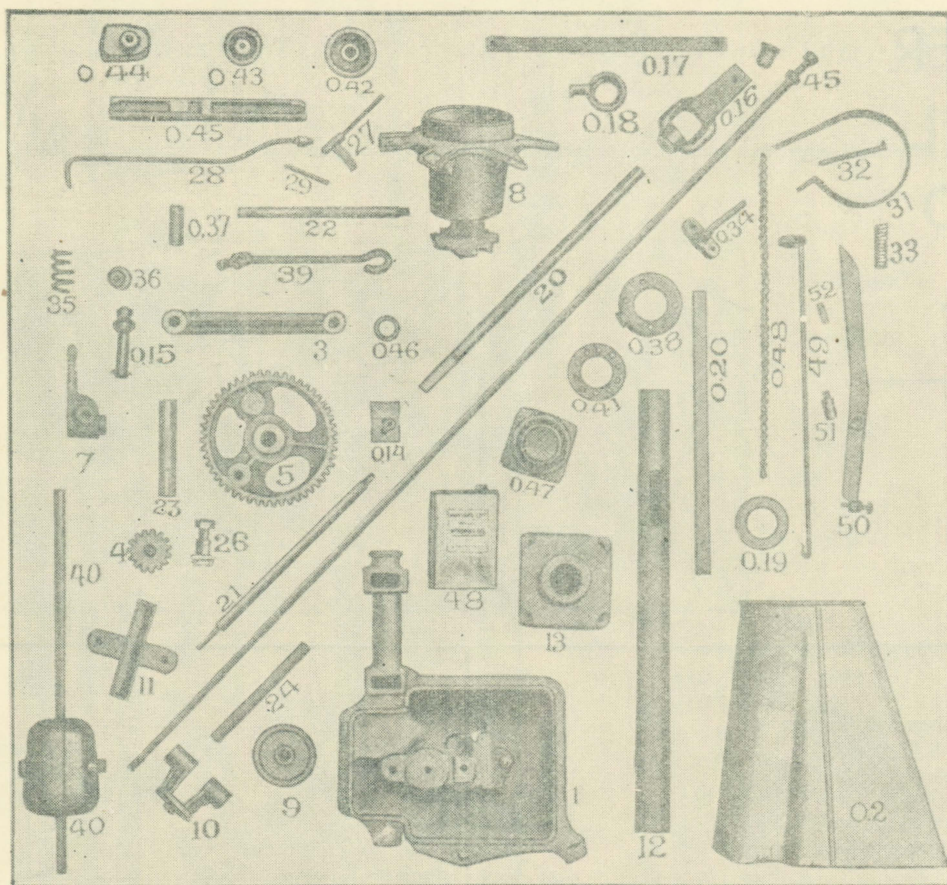
When Ordering Replacement Parts Please State Size, Pattern, and Age of Windmill, and the Names and Numbers of the Parts Required.

REPLACEMENT PARTS

1921 PATTERN METTERS NUOIL WIND MILL

Manufactured in 8, 10, 12 and 14 ft. sizes.

During the period from 1921 to 1931, minor alterations were made in the design of several parts for this Mill. State whether the Mill is fitted with 2 round Guide Spindles or 1 Tee Iron Guide Loop, also whether the crosshead on the 8 ft. Mill is block pattern or as illustrated. Also state, in the case of 8 ft. Mill, whether gearwheel spindle is keyed to gearwheels or secured to gearwheels by slip ring horseshoe shaped washers.

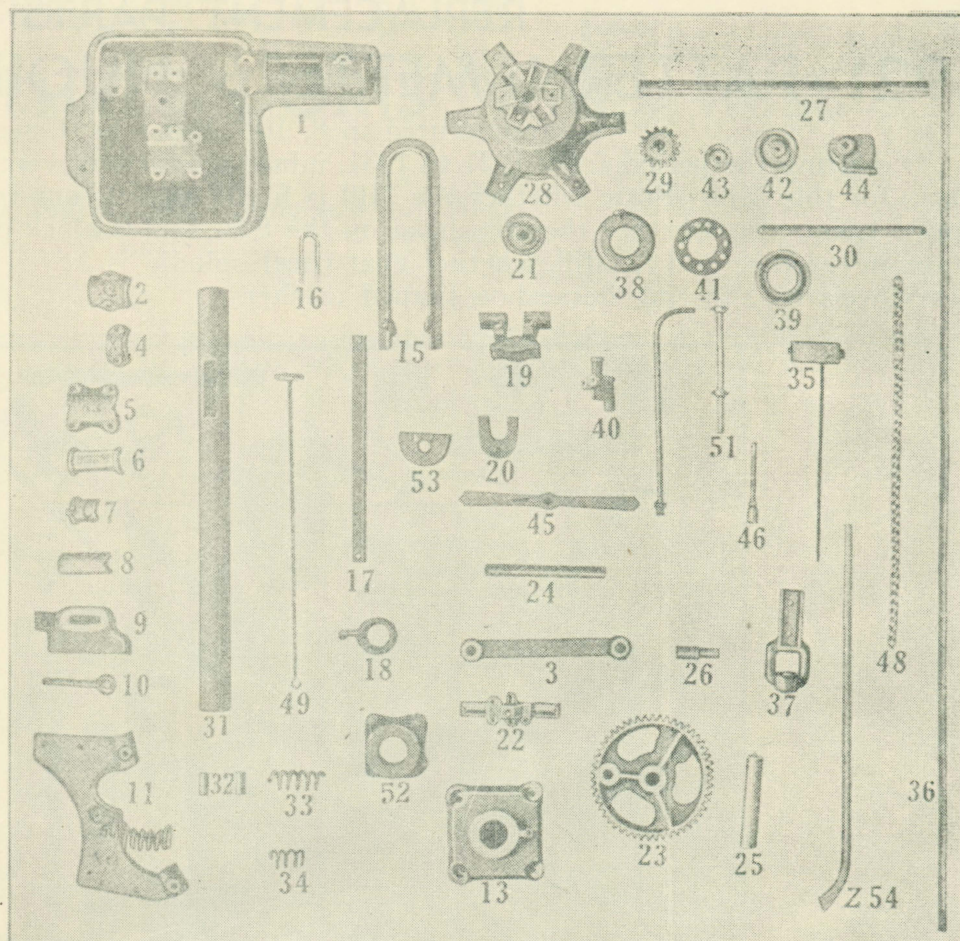


- | | | |
|---------------------------|------------------------|-------------------------|
| 1 Main Casting | 020 Tie Bar | 038 Ball Race Cover |
| 02 Galvanised Cover | 20 Hub Spindle | 39 Tail Hook |
| 3 Pitman | 21 Guide Spindle | 040 Head Weight and Bar |
| 4 Pinion | 22 Tail Pin | 041 Turntable Ball Race |
| 5 Gear Wheel | 23 Gear Wheel Spindle | 042 Chain Pulley, Large |
| 7 Head Weight Lever | 24 Cross Head Spindle | 043 Chain Pulley, Small |
| 8 Bell or Hub | 26 Crank Pin | 044 Chain Guard |
| 9 Guide Wheel | 27 Oil Pump | 045 Cross Guide |
| 10 Cross Head | 28 Oil Supply Pipe | 45 Pump Rod |
| 11 Oil Trough | 29 Oil Plunger | 046 Oil Ring |
| 12 Pipe Barrel | 30 Oil Pump Spring | 047 Tower Head Block |
| 13 Base Block | 31 Brake Band | 048 Furl Chain |
| 014 Oil Box Cover | 32 Brake Pin | 48 Tin Special Mill Oil |
| 015 Head Weight Lever Pin | 33 Brake Spring | 49 Furl Wire and Disc |
| 016 Swivel and Ferrule | 034 Brake Band Casting | 50 Brake Lever |
| 017 Draw Bar | 35 Buffer Spring | 51 Brake Lever Pin |
| 018 Draw Casting | 36 Buffer Casting Pair | 52 Brake Lever Stop Pin |
| 019 Pipe Barrel Collar | 037 Tail Pin Collar | |

When Ordering Replacement Parts Please State Size, Pattern, and Age of Windmill, and the Names and Numbers of the Parts Required.

REPLACEMENT PARTS

MASTER NUOIL WIND MILL



	8 ft.	10 ft.	12 ft. or 14 ft.		8 ft.	10 ft.	12 ft. or 14 ft.
Main Casting, with Caps and Bearings	X1	Y1	Z1	Tail Pin	X30	Y30	Z30
Bearing Caps for Hub Shaft (long)	X2	Y2	Z2	Chain Wheel (small)	X43=043	Y43=043	Z43=043
Bearing Caps for Hub Shaft (short)	X4	Y4	Z4	Chain Wheel (large)	X42=042	Y42=042	Z42=042
Bearing Cap for Gear Shaft	X5	Y5	Z5	Chain Guard	X44=044	Y44=044	Z44=044
Half Bearing for Hub Shaft (long)	X6	Y6	Z6	Pipe Barrel	X31	Y31	Z31
Half-Bearing for Hub Shaft (short)	X7	Y7	Z7	Clamp Sockets for Pipe Barrel	X32	Y32	Z32
Half Bearing for Gear Shaft	X8	Y8	Z8	Cover for Ballrace	X38=038	Y38=038	Z38=038
Upper Tail Carrier (Bolts to Main Casting)	X9	Y9	Z9	Ballrace	X41	Y41	Z41
Eyebolt for Adjusting Tail	X10	Y10	Z10	Steel Washer for Ballrace	X39	Y39	Z39
Tail Bracket	X11	Y11	Z11	Tower Block	X52	Y52	Z52
Guide Loop	X15	Y15	Z15	Base Block	X13	Y13	Z13
U Bolt for Loop	X16	Y16	Z16	Buffer Spring (long)	X33	Y33	Z33
Crosshead	X19	Y19	Z19	Buffer Spring (short)	X34	Y34	Z34
Pump Lifter	X20	Y20	Z20	Tie Bar with Collar	X35	Y35	Z35
Guide Roller	X21= 09	Y21= 09	Z21= 09	Drawbar Casting	X18=018	Y18=018	Z18=018
Crosshead Spindle	X24= 24	Y24= 24	Z24= 24	Drawbar	X17=017	Y17=017	Z17=017
Pitman	X3= 3	Y3= 3	Z3= 3	Furl Wire and Disc	X49= 49	Y49= 49	Z49= 49
Oil Trough with Cap	X22	Y22	Z22	Furl Chain	X48= 48	Y48= 48	Z48= 48
Gear Wheel	X23= 5	Y23= 5	Z23= 5	Cross Guide	X45=045	Y45=045	Z45=045
Gear Wheel Spindle	X25	Y25= 23	Z25= 23	Pump Rod	X36	Y36= 45	Z36= 45
Crankpin	X26= 26	Y26= 26	Z26= 26	Pumprod Swivel with Ferrule	X37	Y37=016	Z37=016
Hub Shaft	X27	Y27= 20	Z27= 20	Oil Pump Only	X40	Y40	Z40
Hub	X28	Y28= 8	Z28= 8	Suction Pipe with Valve	X46	Y46	Z46
Pinion	X29	Y29= 4	Z29	Delivery Pipe	X50	Y50	Z50
				Plunger with Collars	X51	Y51	Z51
				Seal Washer for Hub Shaft	X53	Y53	Z53

When Ordering Replacement Parts Please State Size, Pattern, and Age of Windmill, and the Names and Numbers of the Parts Required.

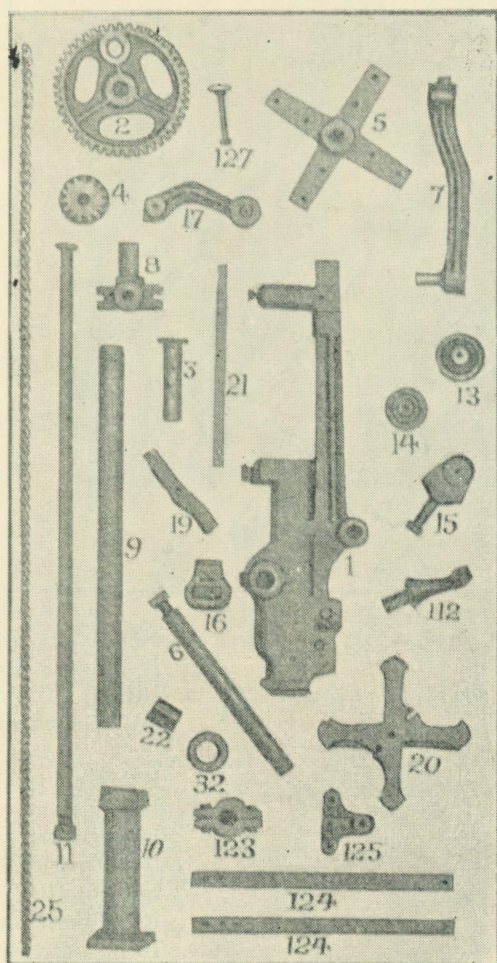
REPLACEMENT PARTS

METTERS LITTLE TOFF WIND MILL

Manufactured in 6, 7, 8, and 9 ft. sizes.

The bearings on this mill consist of whitemetal run into the sleeve whilst in molten form and are not of the replaceable design.

Please advise whether the gear wheel has a cast iron oil cover in the centre held in position by three countersunk screws.



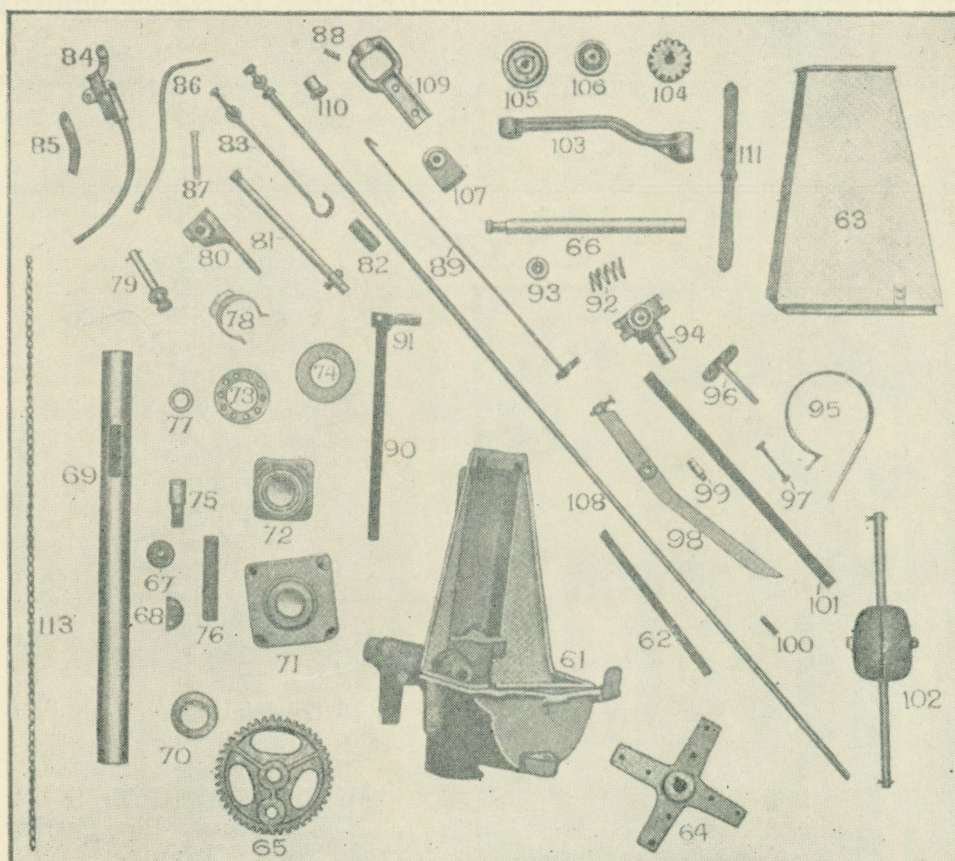
- No.
- 1 Main Casting
 - 2 Gear Wheel
 - 3 Gear Wheel Spindle
 - 4 Pinion Wheel
 - 5 Wind Wheel Hub
 - 6 Hub Spindle
 - 7 Pitman
 - 8 Pump Rod Head
 - 9 Pipe Barrel
 - 10 Base Block
 - 11 Main Pump Rod
 - 13 Sheaf Pulley for Head
 - 14 Sheaf Pulley for Swivel
 - 15 Sheaf Carrier
 - 16 Tail Hinge
 - 17 Tail Hanger
 - 18 Oil Well Cover
 - 19 Buffer Spring
 - 20 Cross Guide
 - 21 Cross Head Guide
 - 22 Top Section Pipe Casting
 - 23 Tower Clamp
 - 24 Furl Handle Complete
 - 25 Furl Chain
 - 26 Spoke
 - 27 Sail Clip, Small
 - 28 Sail Clip, Large
 - 29 Sail
 - 30 Inner Ring (Wheel)
 - 31 Outer Ring (Wheel)
 - 32 Gun Metal Turntable Ring
 - 112 Sheaf Carrier Arm
 - 123 Top Swivel Casting
 - 124 Swivel Flat Guide Bars
 - 125 Swivel Guide Cast Connection
 - 127 Security Bolt and Washer for Pitman

When Ordering Replacement Parts Please State Size, Pattern, and Age of Windmill, and the Names and Numbers of the Parts Required.

REPLACEMENT PARTS METTERS SELF-OIL SINGLE CRANK WIND MILL

Manufactured in two sizes, 6 and 7 ft.

The only difference being in the size of the wind wheel. Mention whether pump rod is $\frac{1}{2}$ in. or $\frac{5}{8}$ in.

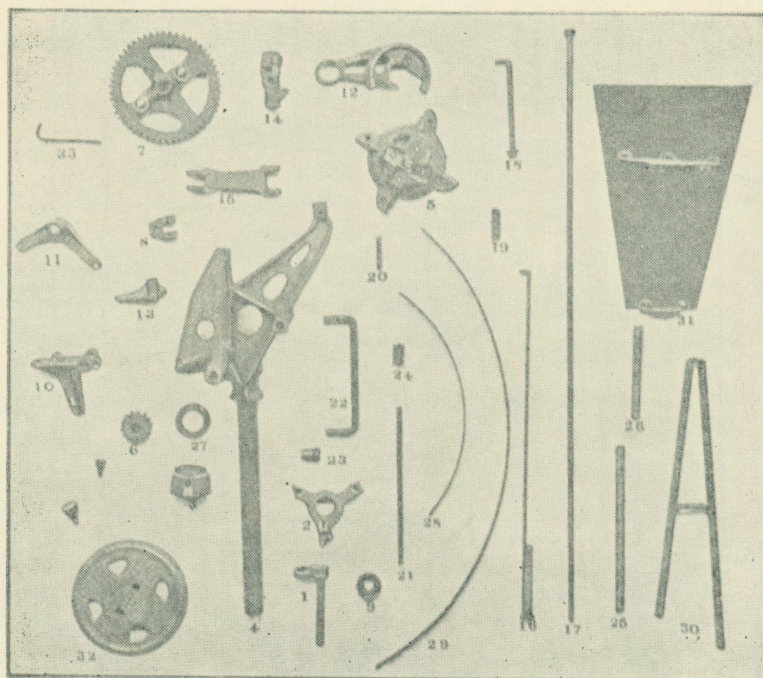


- | | | |
|----------------------------------|--|---|
| 61 Main Casting | 80 Headweight Lever | 99 Brake Lever Pin |
| 62 Guide Bar | 81 Tail Pin | 100 Brake Lever Stop Pin |
| 63 Galvanised Cover | 82 Tail Pin Distance Collar | 101 Tie Bar Straight |
| 64 Hub | 83 Tail Hook | 101A Tie Bar bent to secure to Collar |
| 65 Gear Wheel | 84 Oil Pump | 102 Headweight and Bar |
| 66 Hub Spindle | 85 Oil Pump Lever | 103 Pitman |
| 67 Washer for Gear Wheel Spindle | 86 Oil Supply Pipe | 104 Pinion |
| 68 Slip for Main Casting | 87 Oil Pump Plunger | 105 Large Chain Pulley |
| 69 Pipe Casting | 88 Oil Pump Plunger Spring | 106 Small Chain Pulley |
| 70 Pipe Collar | 89 Furl Wire Disc | 107 Chain Guard |
| 71 Base Block | 90 Draw Bar | 108 Pump Rod $\frac{1}{2}$ inch |
| 72 Tower Head Block | 91 Draw Bar Casting | 108A Pump Rod $\frac{5}{8}$ inch |
| 73 Ball Race | 92 Buffer Spring | 109 Swivel |
| 74 Ball Race Cover | 93 Buffer Casting (Pair) | 110 Ferrule for Swivel |
| 75 Crank Pin | 94 Crosshead for $\frac{1}{2}$ inch Rod | 111 Cross Guide for $\frac{1}{2}$ inch Rod |
| 76 Gear Wheel Spindle | 94A Crosshead for $\frac{5}{8}$ inch Rod | 111A Cross Guide for $\frac{5}{8}$ inch Rod |
| 77 Oil Ring | 95 Brakeband | 113 Furl Chain |
| 78 Oil Box Cover | 96 Brake Band Casting | |
| 79 Headweight Lever Pin | 97 Brake Band Pin | |
| | 98 Brake Lever | |

When Ordering Replacement Parts Please State Size, Pattern, and Age of Windmill, and the Names and Numbers of the Parts Required.

REPLACEMENT PARTS METTERS MINOR WIND MILL

One Size Only, 5 ft.



No.

- M 1 Draw Bar Casting
- M 2 Base Block
- M 3 Tower Block
- M 4 Main Casting
- M 5 Hub
- M 6 Pinion
- M 7 Gear Wheel Only
- M 8 Top Tail Pivot Casting
- M 9 Pipe Collar
- M10 Tail Pivot Casting
- M11 Furl Casting
- M12 Brake Casting
- M13 Breast for Spindle
- M14 Pump Rod Head
- M15 Rocker
- M16 Furl Rod
- M17 Pump Rod
- M18 Brake Rod

No.

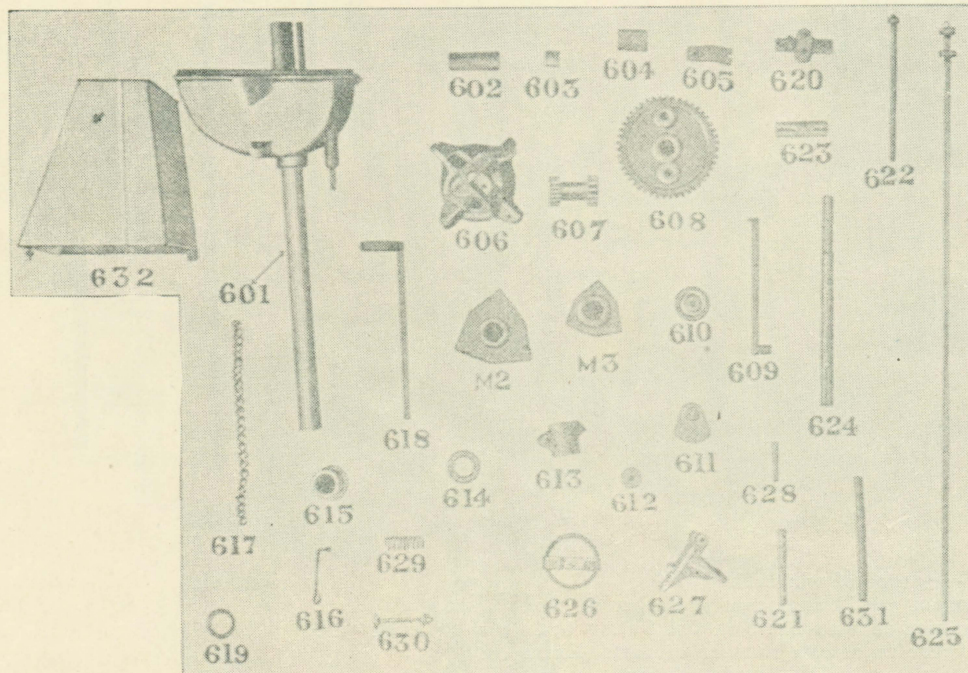
- M19 Brake Rod Spring
- M20 Rocker Pin
- M21 Tail Pivot Pin
- M22 Connecting Rod
- M23 Brass Bush for Gear Wheel
- M24 Brass Slip for Bearing
- M25 Hub Spindle
- M26 Gear Wheel Spindle
- M27 Turntable Ring
- M28 Inner Ring (1 Section)
- M29 Outer Ring (1 Section)
- M30 Spoke
- M31 Sail with Clips
- M32 Anchor Plate
- M33 Tail Hook
- No. 00 Grease Cup (for M23)
- No. 3 Grease Cup

When Ordering Replacement Parts Please State Size, Pattern, and Age of Windmill, and the Names and Numbers of the Parts Required.

REPLACEMENT PARTS METTERS TYPE "K" WIND MILL

1934 Pattern.

The letter "K" denotes Type of Windmill. First figure denotes size of Windmill—5 and 6 ft. = 6; 8 ft. = 8; 10 ft. = 9. Parts illustrated are for 6 ft. Type K Windmill. Second and third figures represent number of part. Example—01 = main casting; 601 = main casting for 6 ft. windmill; K601 = main casting for 6 ft. Type K Windmill.



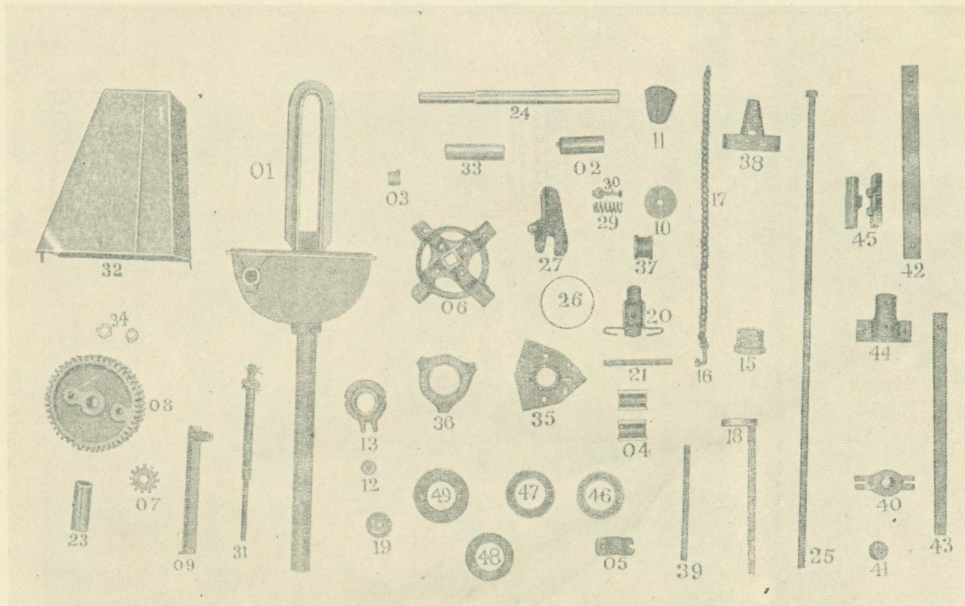
	5 & 6 Ft.	8 Ft.	10 Ft.		5 & 6-Ft.	8 Ft.	10 Ft.
Main Casting with Pipe Barrel	K601	K801	K901	Furl Chain	K617	K817	K917
Hub Shaft Bearing (Long)	K602	K602	K902	Draw Bar	K618	K818	K918
Hub Shaft Bearing (Short)	K603	K803	K903	Pipe Collar	K619	K819	K919
Half Bearing for Gear Shaft	K604	K804	K904	Crosshead	K620	K820	K920
Cap for Gear Shaft Bearing	K605	K805	K905	Crosshead Spindle	K621	K821	K921
Hub	K606	K806	K906	Guide Rod	K622	K822	K922
Twin Pinions	K607	K807	K907 Single	Gear Wheel Spindle	K623	K823	K923
Gear-Wheel	K608	K808	K908	Hub Spindle	K624	K824	K924
Pitman	K609	K809	K909	Pump Rod	K625	K825	K925
Base Block, specify for 3 or 4 leg	M2	K82	K910	Oiler Ring with Clip	K626	K826	K926
Tower Cap, specify for 3 or 4 leg	M3	K83	K911	Tail Bracket	K627	K827	K927
Sheave Wheel	K610	K42	K42	Tail Bracket Pin	K628	K828	K928
Guard for Sheave Wheel	K611	K811	K811	Buffer Spring	K629	K829	K929
Chain Roller	K612	K612	X43	Buffer Spring Bolt	K630	K830	K930
Chain Roller Casting	K613	K813	K913	Tail Support Pin	K631	K831	K931
Turntable Washer	K614	K814	K914	Galvanised Cover	K632	K832	K932
Furl Collar	K615	K815	K915	Oil Sleeve		K833	K933
Furl Collar Hook	K616	K616	K916				

When Ordering Replacement Parts Please State Size, Pattern, and Age of Windmill, and the Names and Numbers of the Parts Required.

REPLACEMENT PARTS

METTERS TYPE "K" WIND MILL

1937 Pattern.



The letter "K" denotes type of windmill.

"A" denotes subsequent (1937) alteration to design of part.

First figure denotes size of windmill: 5 ft. and 6 ft. = 6; 8 ft. = 8; 10 ft. = 9.

Second and third figure represents number of part. Example:

01 = main casting

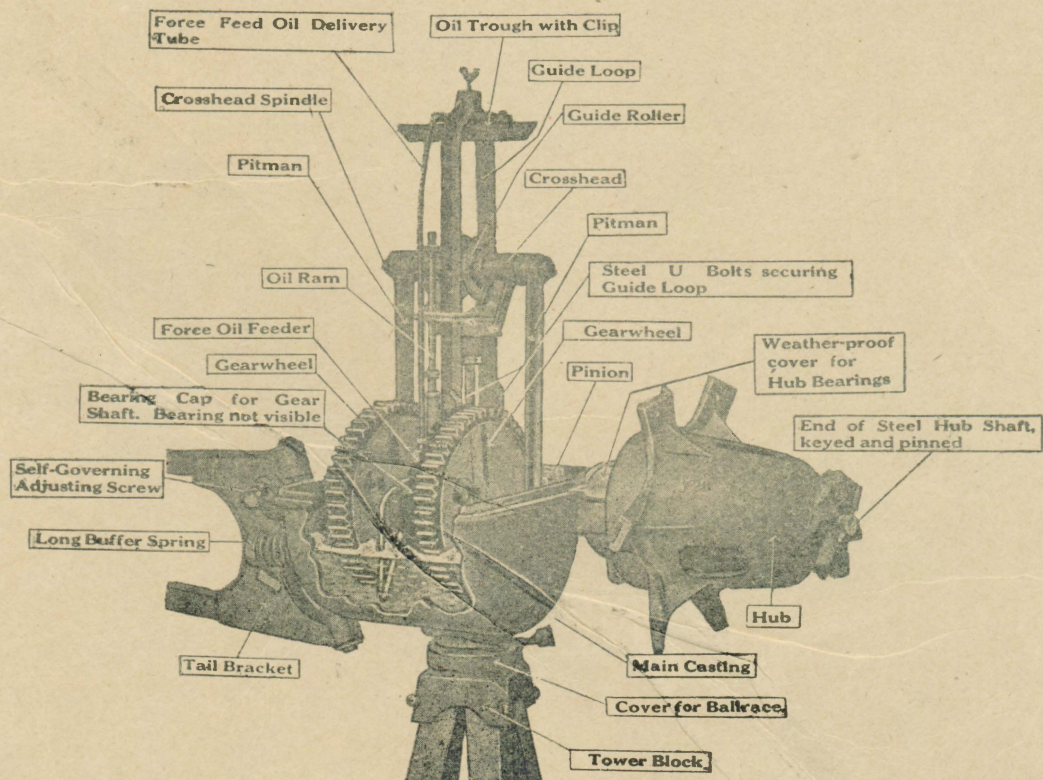
601 = main casting for 6 ft. Windmill

K601 = main casting for 6 ft. Type K Windmill

KA601 = main casting for 6 ft. 1937 pattern Type K Windmill

	5 & 6 ft.	8 ft.	10 ft.		5 & 6 ft.	8 ft.	10 ft.
Main Casting with Tee Iron Loop and Pipe Barrel	KA601	KA801	KA901	Buffer Spring Bolt	K630	K830	K930
Hub Shaft Bearing (long)	K602	K802	K902	Tail Support Pin	KA631	KA831	KA931
Hub Shaft Bearing (short)	K603	K803	K903	Galvanised Cover	KA632	KA832	KA932
Half Bearings for Gearshaft	K604	K804	K904	Oil Sleeve	—	K833	K933
Cap for Gearshaft Bearing	K605	K805	K905	Bushes for Gearwheel	KA634	KA834	KA934
Hub	K606	K806	K906	Base Block for 3 or 4 post tower to be specified	KA635	KA835	KA935
Pinion	KA607	KA807	K907	Tower Cap for 3 or 4 post tower to be specified	KA636	KA836	KA936
Gearwheel with Bushes	KA608	KA808	KA908	Guide Rollers, pair	KA637	KA837	KA937
Pitman	K609	K809	K909	Pumprod Head (bottom anti-swivel casting)	KA638	KA838	—
Sheave Wheel	K610	K810	K910	Anti Swivel Guide Rod (round)	KA639	KA839	—
Guard for Sheave Wheel	K611	K811	K911	Top Anti Swivel Casting (pair)	—	—	KA940
Chain Roller	K612	K812	K912	Ferrule for Anti Swivel	—	—	KA941
Chain Roller Casting	KA613	KA813	KA913	Anti Swivel Crossguide	—	—	KA942
Furl Collar	K615	K815	K915	Anti Swivel Guide Bar (Flat)	—	—	KA943
Furl Collar Hook	KA616	KA816	KA916	Pumprod Head (Bottom anti swivel casting)	—	—	KA944
Furl Chain	K617	K817	K917	Middle Anti Swivel Guide Castings (pair)	—	—	KA945
Draw Bar	K618	K818	K918	Ballrace with Balls	KA646	KA846	KA946
Pipe Collar	K619	K819	K919	Top Steel Turntable Washer	KA647	KA847	KA947
Crosshead with Clip, no Ring	KA620	KA820	KA920	Bottom Steel Turntable Washer	KA648	KA848	KA948
Crosshead Spindle	K621	K821	K921	Ballrace Cover	KA649	KA849	KA949
Gearwheel Spindle	K623	K823	K923				
Hub Spindle	K624	K824	K924				
Pumprod	KA625	KA825	KA925				
Oil Ring Only	K626	K826	K926				
Tail Bracket	K627	K827	K927				
Buffer Spring	K629	K829	K929				

When Ordering Replacement Parts Please State Size, Pattern, and Age of Windmill, and the Names and Numbers of the Parts Required.



Metters Master Nuoil Windmill Heads

can be fitted to any existing windmill tower by making a few slight alterations to the tower. Old Metters Windmotor Windwheels if in good order may be used

"Metters Mills are Better"

METTERS LIMITED

Metters' Pumps, Pumping Gears, Squatters' Tanks, Tank Stands, Troughing, Sheep Jetting Plants and Irrigation Equipment.

66 GRENFELL STREET, ADELAIDE