

DEMPSTER IMPROVED STEEL WINDMILL

1897 AND 1898 PATTERN

REPAIRS AND PRICE LIST

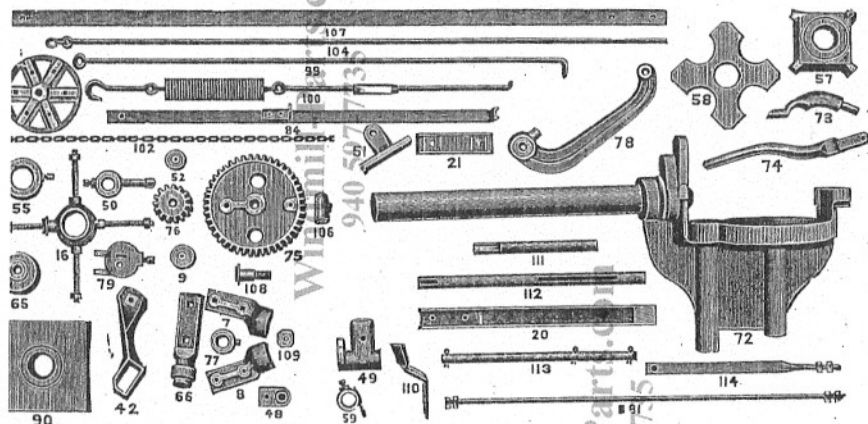


Fig. 803

This windmill is not manufactured now, but we can furnish repairs.

	8-ft.	10-ft.	No.	8-ft.	10-ft.
Swivel Casting	\$0.30	\$0.30	84 Wheel Arm	\$0.60	\$0.80
Swivel Casting .....	.30	.30	35 Wood Pump Rod, 16 ft.		
Shive .....	.12	.12	each .....	.50	.50
Storm Stay, Wood Tower.....	1.09	1.00	90 Bed Plate, Wood Tower.....	1.20	1.20
Flat Bar Connection.....	.50	.50	99 Brace for Vane.....	.50	.60
Splice Irons, per pair.....	.50	.50	100 Regulator Complete	2.00	2.50
Arm for Shive.....	.75	.75	102 Pull Out Chain .....	.60	.70
Pitman Connection .....	.30	.30	104 Swivel Rod .....	.30	.30
Vane Casting	1.00	1.00	105 Vane with Main Arm.....	6.50	10.00
Brake Bumper .....	.80	.50	106 Babbitt Sleeve for Shaft.....	3.00	.30
Guide Shive Casting.....	.60	.60	107 Flat Bar .....	.80	1.00
Guide Roller .....	.20	.20	108 Wrist Pin .....	.75	.75
Storm Stay Collar.....	.60	.60	109 Cast Washer for Storm		
Bed Plate for Steel Tower.....	1.20	1.20	Stay .....	.06	.06
Storm Stay, Steel Tower.....	1.00	1.00	110 Wrought Iron Br'ke Con. ....	.75	.75
Hook Collar	1.60	.70	111 Short Shaft .....	.75	.75
Spider	1.25	1.60	112 Long Shaft	1.25	1.90
Saucer .....	.60	.80	113 Shaft for Vane Casting .....	.60	.70
Swivel Casting .....	.50	.50	114 Brake Band .....	.40	.40
Main Frame	7.00	9.00	124 Turn Buckle for Regu-		
Brake Casting .....	.60	.70	lator .....	.20	.20
Brake Lever .....	.60	.60	128 Regulator Spring Only.....	1.10	1.30
Large Gear	2.20	2.20	130 Wood Pull Out Lever.....	.50	.50
Small Gear .....	.75	.75	132 Wood Box for Pitman.....	.40	.50
Set Collar .....	.25	.25	133 Fan Ear for Wheel.....	.10	.10
Pitman .....	.70	.70	136 Short Ribs for Fans.....	.30	.30
Guide Casting .....	.60	.60	137 Long Ribs for Fans.....	.50	.50
Brace Rod30	.40	138 Fans only for wheel sec.75	1.00
Wheel Section	3.00	3.00	139 Steel Pull Out Lever.....	.50	.55

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IMPROVED DEMPSTER STEEL WINDMILL
16 FOOT SIZE

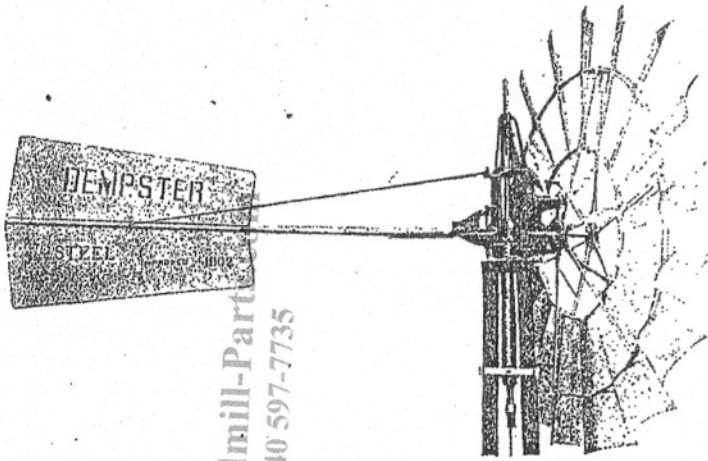


FIG. 1039.

Galvanized. Geared Back 2-1-2 to 1. For Wood or Steel Tower

Length of stroke.....	10, 12, 14, 16 inch
Weight.....	2563 lbs

In constructing our 16 foot Steel Windmill we have spared no expense to produce a mill combining all the elements of strength and power necessary to insure great effectiveness and durability.

The **Wheel** is strongly made of heavy steel material and is thoroughly braced, as strong as good material and good workmanship can make it.

The **Vane** is made with the view of standing the strain of the heaviest storms with ease. The main stem of vane is made of 2 1/2 and 2 inch standard pipe, the 2 inch being inserted inside the 2 1/2 inch. It is also thoroughly girted and braced in the most approved manner.

The regulation of the wheel is controlled by a heavy coiled spring connected to the vane and engine in such a manner that the tension of same governs the speed perfectly high or low wind.

For description of mill engine see next page.

Will ship for wood tower unless otherwise ordered.

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IMPROVED DEMPSTER STEEL WINDMILL
With Divided Shaft Boxes
16 FOOT SIZE

MECHANICAL PARTS

Main Frame

Is very heavy. Good iron is used unsparingly and it is properly distributed to give each point subjected to strain the greatest possible strength.

The Pitman

Is heavy and strong and is furnished with a large forged steel guide bar at top to which the double pull rods are connected. The guide bar at top through which forged guide bar works has babbitt bearing. There is also a hard wood guide block for the double steel guide rods.

The Gears and Shafting

Are very heavy and substantial, with the view of promoting durability to the fullest degree. The wind wheel shaft is extra long, extending across the main frame and having a bearing at its extreme end in addition to the usual bearings.

The Shaft Bearings

Are long, heavy, divided high grade brass boxes and can be replaced by removing the box caps without taking the mill from tower. Are furnished with automatic glass oil cups.

The Brake

Is a heavy steel band applied with powerful leverage.

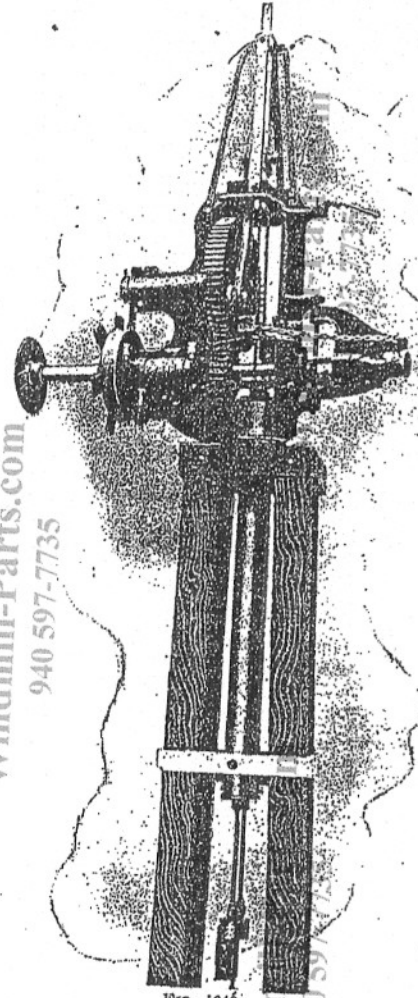


FIG. 1040.

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