PATENTS.

Applicant C.J. MC.MASTER. No. 20973

Invention WINDMILL FRAME. Date: 6:4:06

APPLICATION—

Received with COM. specification and fee (10s.) paid ... 9:4:06

Accepted, : : Acknowledged, 30:4:06 Gazetted, 13:5:06

COMPLETE SPECIFICATION (if left subsequently)—

Received and fee (10s.) paid ... ... : :

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COST OF COPYING—

Specification, £ :2/-: Drawings, £ :1/-

LETTERS PATENT—

Memorandum and form *re* issue posted to A.J. Park & Son 6:7:06

Issue applied for and fee (£2) paid 13:7:06

Prepared, 3:8:06 Issued to Park & Son 10:8:06

Advice to the Governor with No. 19331. Receipt with 19334

FEES FOR SECOND AND THIRD TERMS—

Reminder sent to N. Hughes 25:11:09 Fee (£5) paid, 16:3:10

Reminder sent to Assignee 25:11:12 Fee (£10) paid, :—:—

MEMORANDA.

STEEL WINGS WINDMILL CO.LTD.regd. as Proprietors 20-6-08
Request etc attd fee 10s and 10s paid 17-6-1908.
2P. endorsed & retd. 6 Sept 08.

VOID.

REGISTERED PATENT AGENTS
A. J. PARK & SON
DUNEDIN, N.Z.

COMPLETE SPECIFICATION.

"An improved head frame for wind mills"

I, CATHERINE JANE McMASTER, of Corfield, North Queensland in the State of Queensland, in the Commonwealth of Australia, Grazing Farmer, do hereby declare the nature of my invention for "An improved head frame for wind mills" and in what manner the same is to be performed, to be particularly described and ascertained in and by the following Statement:-

THIS INVENTION relates to improvements in the frame for carrying the wheel of a wind mill and has for its object to provide a head frame which is adapted to be revolved by the wind.

The essential of the invention is a frame between whose vertical sides the wheel of the wind mill revolved, said frame being pivotted at the top and bottom as hereinafter described.

But in order that the invention may be clearly understood reference is now made to the accompanying sheet of drawings in which:-

Fig 1 is a perspective view of the invention

Fig 2 is an enlarged sectional elevation of foot bearing and trunnion.

Mounted centrally upon a base or platform 3 which is supported in any suitable way such as by stanchions or uprights 4 is a foot bearing 5 with a circular raceway containing balls 6 upon which bears a trunnion 7 attached to a cross piece 8 which forms the base of the frame of which 9 are the side pieces These side pieces are jointed at the top by a cross piece 10 and bolt 11.

12 and 13 form the tail which is attached to the frame in the usual way.

14 represents the side pieces and 15 the end pieces of a cross head, and 17 a rod which is attached thereto and passes through the foot bearing 5 trunnion 7 and base 3 to the pump or other mechanism.

On the ends of the cross head are pintles 18 to which are pivotted the connecting rods 19 of the crankaand axle 20 and 21. The side pieces 9 of the frame carry bearings 22 shaft 21 and wind wheel 23.

At the top of the frame uprights 9 is a semi-circular arch 24 carrying a pintle or stud 25 for a swivel 26 to which are fastened guy ropes 27 said

guy ropes being fastened to stakes in the ground or in any other suitable way according to circumstances.

The essential of my invention is a frame carrying the wind wheel and transmitting mechanism said frame being supported between the swivel 26 and trunnion 7, so that it will rotate and with it the whole of the driving mechanism as directed by the tail 13.

HAVING now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:-

An improved head frame for wind mills characterised by side pieces which carry the wind wheel and transmitting mechanism said frame being supported between a swivel at the top and a foot bearing on a platform at the bottom so as to be capable of rotation, the top swivel being maintained in position by guy ropes or stays, substantially as described and illustrated in the drawings.

Dated this sixth day of April 1906

A.J. Parker & Son

AGENTS FOR THE APPLICANT

20973

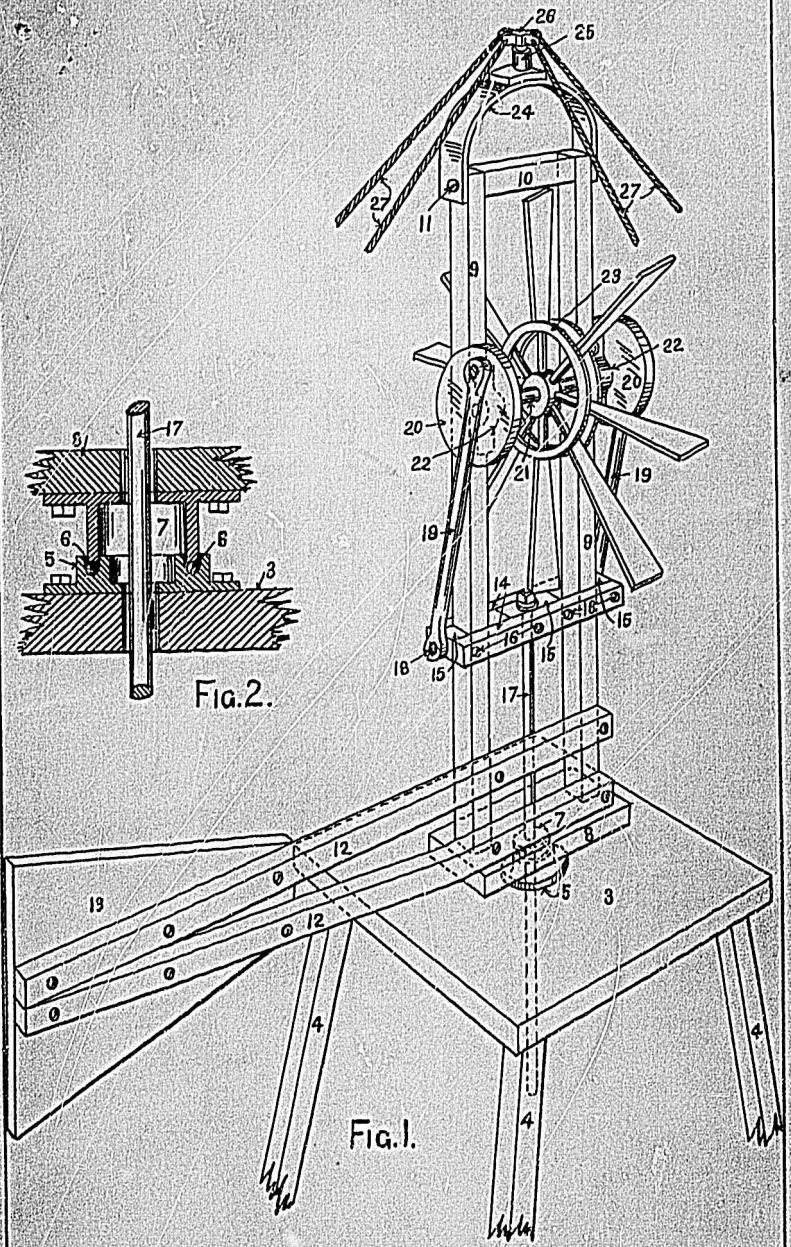


Fig. 2.

Fig. 1.

A. J. Parkinson

AGENTS FOR THE APPLICANT