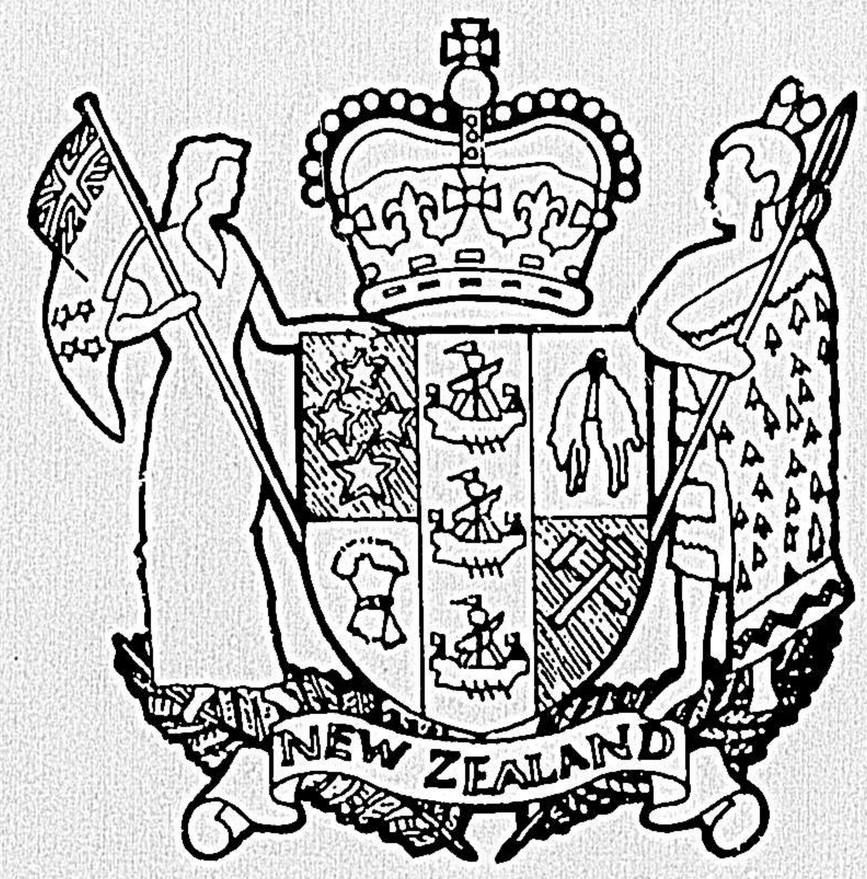


NEW ZEALAND

PATENT SPECIFICATION

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JOURNAL.
No. 11
Date: 12 JUN 1919

PATENT OFFICE
21 MAR 1919
NEW ZEALAND.

90.7

No.40291
Dated 5th.June 1918

NEW ZEALAND

"THE PATENTS DESIGNS AND TRADE MARKS ACT 1911"

Copy to Accompany
COMPLETE SPECIFICATION

"Improvements in windmills"

I, JAMES SIMPSON of Ruawai, Northern Wairoa in the Provincial District of Auckland and Dominion of New Zealand, Farmer do hereby declare the nature of this invention and in what manner the same is to be performed to be particularly described and ascertained in and by the following statement :-

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This invention relates to wind-mills or wind motors and its object is to provide means capable of developing a greater amount of power or energy from the wind than is possible with the windmill at present in general use.

The invention consists in employing a series or number of windmills arranged and geared in such a manner as to all operate a common driving shaft or rod, which in turn operates a pump rod or rods or other mechanism.

The mills are arranged on one or more horizontal supports or beams mounted one above the other at the required height from the ground, on a tower provided with a revolving platform, which may be turned so as to cause the mills to face the required direction to suit the wind.

Referring to the drawing in which the invention is illustrated by means of a general elevation, 1 represents a tower mounted on a platform 2 provided with rollers 3 and adapted to be rotated about a central pillar 4. The tower is also pivoted at its upper end to a plate or beam 5 kept in position by guy ropes 6.

The mills are mounted on horizontal beams 8 secured to the tower 1 at the desired height from the ground.

Also mounted on the tower 1 are two horizontal shafts 9, 10, shaft 9 having a mill 11 mounted thereon and being connected by an arrangement of connecting rods, crank pins and cranks 12, with the mills 13.

The shaft 10 is connected with shaft 9 by cranks and a rod 14, and also with the mills 15 by rods 16.

A pulley 17 located on the shaft 10 provides means for transmitting the power generated to where desired.

The invention is not limited to the mechanical

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means illustrated for coupling the mills together and to the shafts or rods to which the power generated is transmitted as it is obvious that other mechanical means can be employed for the same purpose.

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:-

First A series of windmills geared so as to each transmit power to a common rod or shaft substantially as described.

Second A series of windmills heared together and to a common rod or shaft and mounted on a tower substantially as described and illustrated.

Third A series of windmills geared together and to a common rod or shaft by cranks and connecting rods and mounted on a revolable tower substantially as described and illustrated.

Fourth The improvements in windmills substantially as hereinbefore described with reference to the accompanying drawing.

Dated at Auckland this 19th day of March 1919.

JAMES SIMPSON

by his Attorney,

F M Nasby

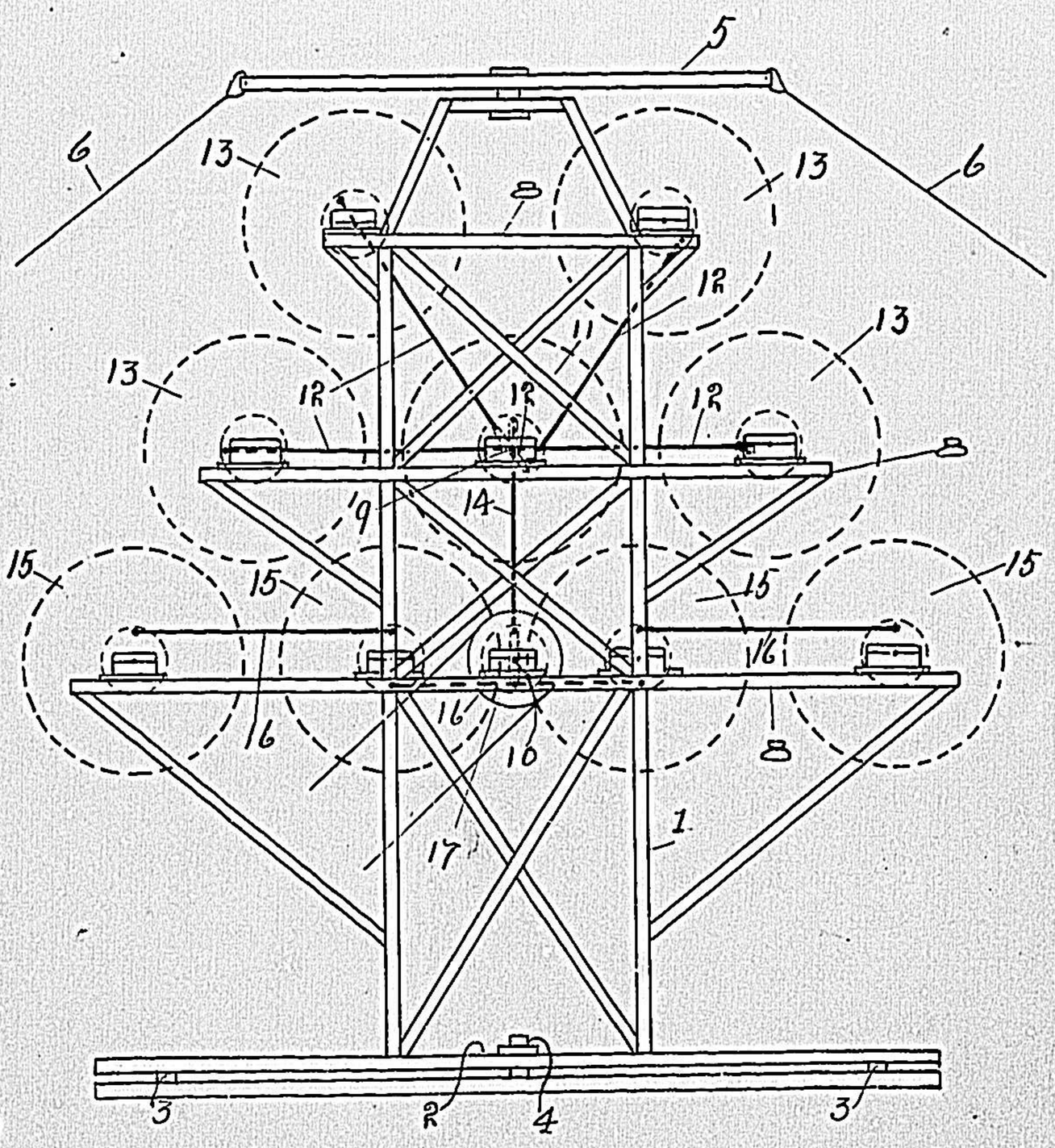
Certified to be a true copy,

F M Nasby

Attorney.

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James Simpson
by his Attorney
T. M. Easley

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