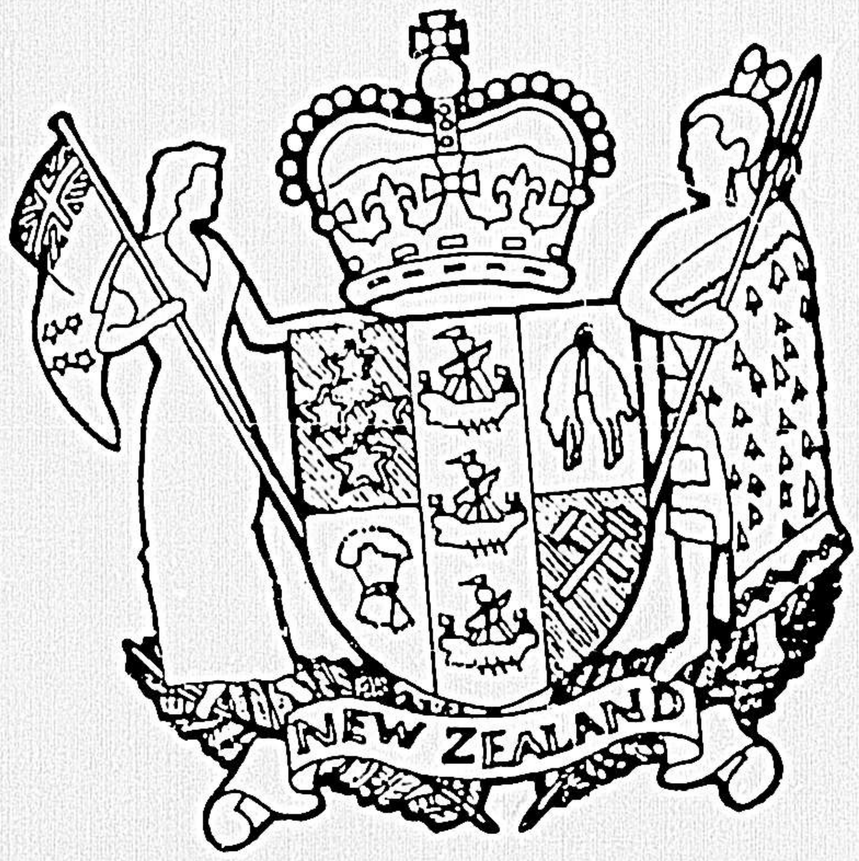


NEW ZEALAND

PATENT SPECIFICATION

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JOURNAL.

No. 4

Date: 6 MAR 1919

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PATENT OFFICE
9 JAN. 1919
NEW ZEALAND.

NEW ZEALAND

"THE PATENTS DESIGNS AND TRADE MARKS ACT, 1911"

Copy to Accompany

COMPLETE SPECIFICATION

"An improved rattling device for frightening birds from off strawberry beds and other vegetable growths"

I, WILLIAM FREDERICK MORRIS of WAIRAU Road, Takapuna 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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The object of this invention is to provide improved means for frightening birds off strawberry and other crops.

The means consist in providing a windmill on which is mounted a metal box or drum containing marbles, small stones, pieces of solid metal, or the like, so that on the rotation of the mill the box or drum is revolved and a noise set up by the movements of the marbles, stones or metal within the drum or box, which noise is continued as long as the windmill operates, and with the movements of the mill is intended serves to frighten birds away.

The invention is illustrated in the accompanying drawing

Figure 1 being a side view and

Figure 2 a front view of the device.

The mill is set up in the usual way to rotate about a centre 1 according to the direction of the wind.

On the horizontal spindle 2 and within a frame 3 is located a drum or box 4, made preferably from light sheet metal.

In the drum or box 4 are a number of marbles, small stones, or small pieces of metal 5, which when the mill operates are tossed about in the drum or box and create a rattling noise.

The sails or blades 6 and the tail 7 are constructed and used in the usual way.

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Having now particularly described 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 device for frightening birds from growing crops, comprising a wind-mill having mounted thereon a drum or box of light sheet metal, said drum or box containing marbles stones or small pieces of metal, which when the drum or box is rotated, set up a rattling noise, substantially as described and illustrated.

Second In a device for frightening birds from growing crops , a drum or box of light sheet metal, containing marbles, stones or small pieces of metal, said drum or box being adapted to be rotated by wind power substantially as described and illustrated.

Third The improved means for frightening birds from growing crops, substantially as herein described with reference to the accompanying drawings.

Dated at Auckland this twentieth day of December 1918.

WILLIAM FREDERICK MORRIS,

Certified to be a true copy

by his Attorney

Attorney.

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Fig. 1

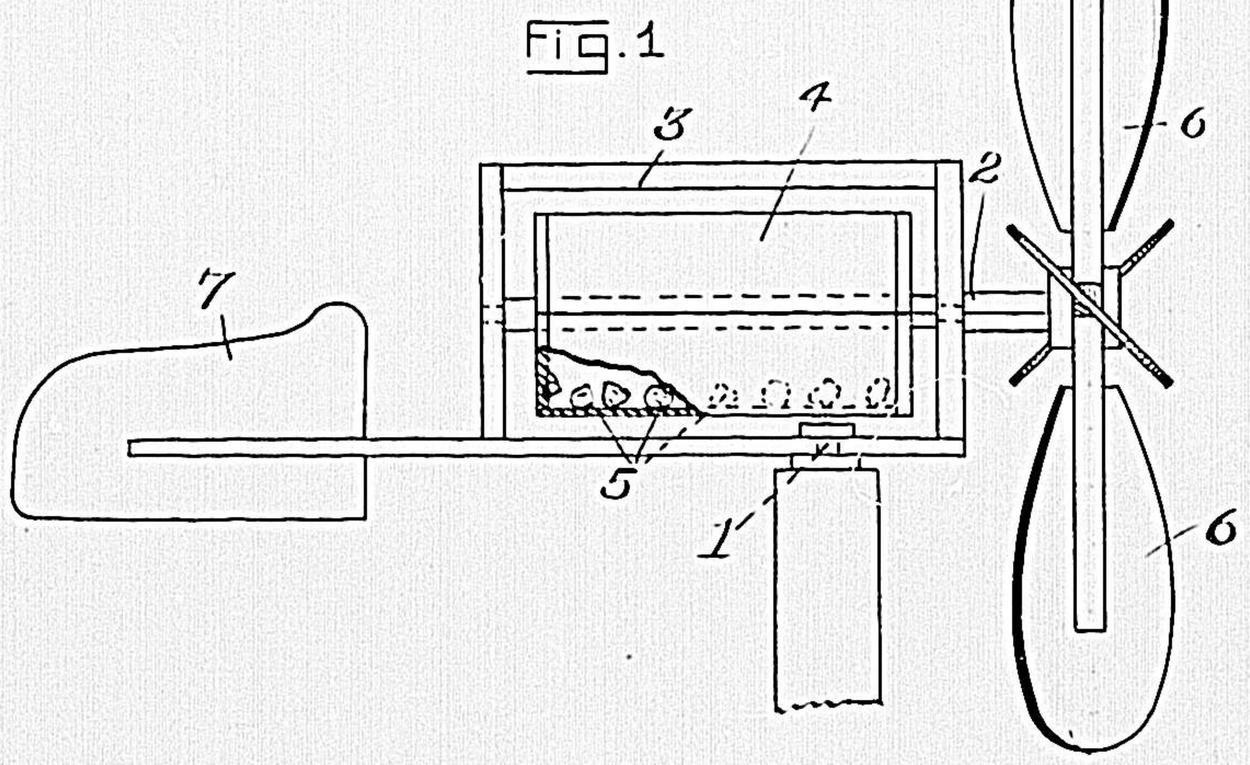
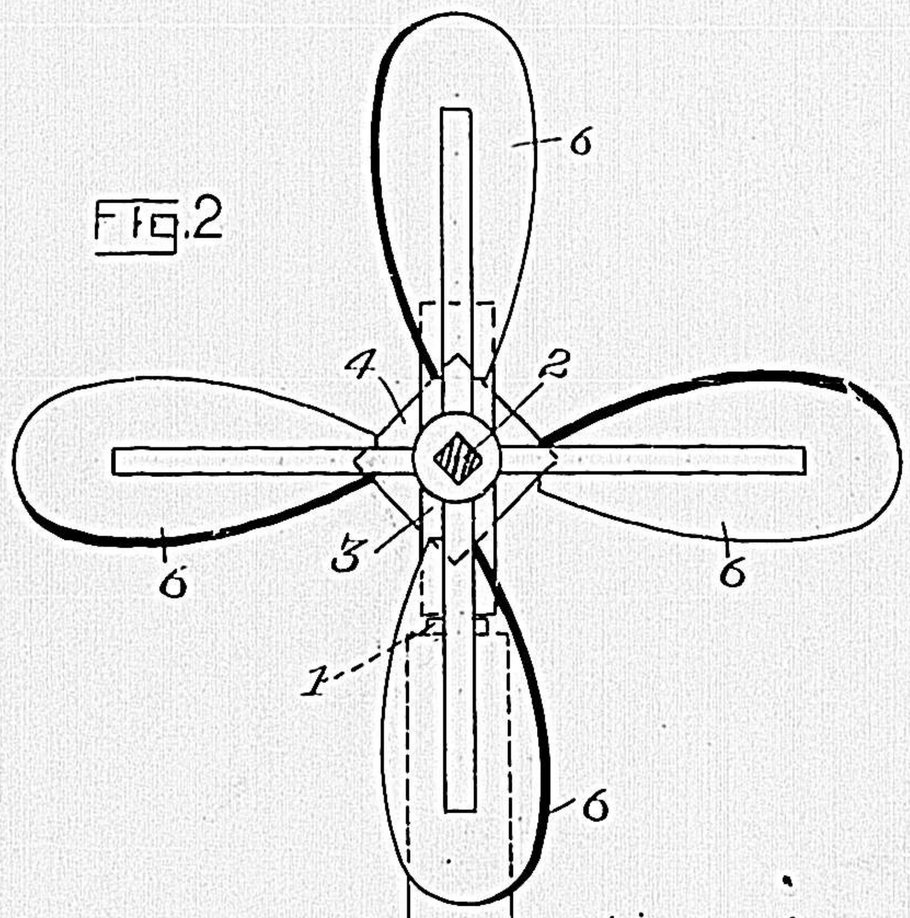


Fig. 2



William Frederick Morris
by his Attorney
M Bailey

Misc.

END