

# Supplement to Government Gazette

OF

WESTERN AUSTRALIA.

[Published by Authority.]

No. 6.  
P.O. No. 4. }

PERTH: FRIDAY, JANUARY 22.

[1904.

## CONTENTS:

SUBJECT.	PAGE	SUBJECT.	PAGE
Complete Specifications accepted ... ..	233	Alphabetical list of Inventions for which Patents have been granted ... ..	237
Renewal Fees paid, Patents ... ..	234	Applications for Registration of Trade Marks... ..	238
Applications Abandoned, Patents ... ..	234	Renewal Fee paid, Trade Mark ... ..	238
Applications for Patents ... ..	235	Applications withdrawn, Trade Marks ... ..	238
Provisional Specifications accepted ... ..	235	Corrigendum ... ..	238
Alphabetical list of Applicants for Patents ... ..	236	Alphabetical list of Registrants of Trade Marks ... ..	239
Alphabetical list of Inventions for which Patents have been applied for ... ..	236	Index of Goods for which Trade Marks have been registered ... ..	239
Alphabetical list of Patentees ... ..	237		

Note.—Throughout this Gazette the names in Italics within parentheses are those of Communicators of Inventions.

### Complete Specifications.

Patent Office, Perth,  
22nd January, 1904.

NOTICE is hereby given that the undermentioned Applications for the Grant of Letters Patent, and the complete Specifications annexed thereto, have been accepted, and are now open to public inspection at this Office.

Any person or persons intending to oppose such applications must leave particulars, in writing, in duplicate (on Form D), of his or their objections thereto, within two calendar months from the date of this Gazette. A fee of Ten shillings (10s.) is payable with such notice.

Application No. 4300.—DANIEL O'CONNELL, of 122 Quarry Street, Fremantle, Bachelor of Civil Engineering, Melbourne University, "*A new method of and apparatus for aerating water from bore holes, wells, rivers, reservoirs, sewage outfalls and the like, and extracting from said water oxide of iron and other sediments.*"—Dated 23rd February, 1903.

#### Claims:—

- In a method of aerating water and extracting therefrom oxide of iron and other sediment the passing of the water to be treated through an orifice at such a velocity and in such a way that a considerable volume of air is carried through with the water and agitates and aerates the said water substantially as described herein.
- In a method of aerating water and extracting therefrom oxide of iron and other sediment passing water to be treated through an orifice as mentioned in Claim 1 into a long trough with perforated bottom whence the water falls through said perforated bottom into a chamber underneath substantially as described herein.
- In a method of aerating water and extracting therefrom oxide of iron and other sediment passing the water to be treated through an orifice and along and through a trough into a chamber underneath as mentioned in Claims 1 and 2 and the causing of the said water to flow in thin sheets over a number of cement-washed galvanised corrugated or fluted sheets of iron arranged in rows and suspended in said chamber substantially as described herein.
- In a method of aerating water and extracting therefrom oxide of iron and other sediment passing of the water to be treated through an orifice and along and through a trough and over cement-washed sheets as mentioned in Claims 1, 2, and 3, at the same time causing a draught of air to pass through the chamber in which the said cement-washed sheets of iron are enclosed and suspended substantially as described herein.
- In a method of aerating water and extracting therefrom oxide of iron the passing of the water to be treated through an orifice and along and through a trough and over cement-washed sheets whilst a draught of air is sent through the chamber in which the said sheets are suspended as mentioned in Claims 1, 2, 3, and 4, and subsequently causing the water under treatment to flow between sheets of Portland cement washed galvanised corrugated iron arranged in successive rows substantially as described and illustrated herein.
- In a method of aerating water and extracting therefrom oxide of iron and other sediment passing of water to be treated through an orifice and along and through a trough then over cement-washed sheets whilst exposed to draught of air, then through rows of cement-

washed sheets of iron as mentioned in Claims (1), (2), (3), (4), and (5), and subsequently causing the said water to fall over a weir on to ripples made of cement-washed galvanised corrugated iron substantially as described and illustrated herein.

7. In an apparatus for aerating water and extracting therefrom oxide of iron and other sediment the combination of a long trough which has a perforated bottom with a throttling mantle at one end for agitating and aerating the water to be treated substantially as described and illustrated herein.

8. In an apparatus for aerating water and extracting therefrom oxide of iron and other sediment a trough and mantle as mentioned in Claim (7) and V-shaped channels placed underneath the perforations in the bottom of said trough substantially as described and illustrated herein.

9. In an apparatus for aerating water and extracting therefrom oxide of iron and other sediment a trough and mantle placed over a series of V-shaped channels as mentioned in Claims (7) and (8) and holes in sides of said channels with wires fitted on said holes to lead the water under treatment on to plates connected to the said V-shaped channels substantially as described and illustrated herein.

10. In an apparatus for aerating water and extracting therefrom oxide of iron and other sediment a trough and mantle in combination with V-shaped channels and holes fitted with wires in sides of said channels as mentioned in Claims (7), (8), and (9) and Portland cement-washed galvanised corrugated or fluted sheets of iron suspended vertically under said trough and connected to the said V-shaped channels at the top edge of the said corrugated or fluted sheets substantially as described and illustrated herein.

11. In an apparatus for aerating water and extracting therefrom oxide of iron and other sediment a trough and mantle in combination with V-shaped channels and holes in same with wires in them and with cement-washed sheets as mentioned in Claims (7), (8), (9), and (10) and a chimney stack at one end of a chamber which chamber encloses the said V-shaped channels and cement-washed plates, substantially as described and illustrated herein.

12. In an apparatus for aerating water and extracting therefrom oxide of iron and other sediment a trough and mantle in combination with V-shaped channels having holes fitted with wires in their sides and with cement-washed sheets of iron suspended in a chamber and connected to the said V-shaped channels; also in combination with chimney stack erected at one end of said chamber as mentioned in Claims (7), (8), (9), (10), and (11) and successive rows of sheets of cement-washed galvanised corrugated iron through which sheets the water under treatment is made to flow all substantially as described and illustrated herein.

13. In an apparatus for aerating water and extracting therefrom oxide of iron and other sediment a trough and mantle in combination with V-shaped channels, with holes and wires in same in sides of said V-shaped channels, with cement-washed sheets of iron suspended in a chamber and connected to the said V-shaped channels, with chimney stack erected at one end of said chamber, and with successive rows of cement-washed sheets of iron through which the water is made to flow as mentioned in claims (7), (8), (9), (10), (11), and (12) and a wide weir in combination with cement-washed galvanised corrugated iron ripples placed at a slight inclination to a horizontal plane on to which the water under treatment falls from the said weir all substantially as described and illustrated herein.

Specification, 8s. 6d. Drawings on application.

Application No. 4346.—MICHAEL DALY, of Townsend Road, Subiaco, Western Australia, Engineer, "*Improved Operative Gear for Windmills.*"—Dated 31st March, 1903.

#### Claims:—

- In operative gear of windmills a worm or grooved wheels as c and c1 of a single or multiple screw thread and of any pitch and mounted upon the main shaft as a of the mill wheel, said wheels c and c1 engaging with toothed wheels as d and d1 which latter are mounted upon



# Government Gazette

---

PERTH, THURSDAY, 22 JANUARY 1903 No. 6a

---

© STATE OF WESTERN AUSTRALIA

## CONTENTS

Trade Marks