

# Supplement to Government Gazette

OF

WESTERN AUSTRALIA.

[Published by Authority.]

No. 26.  
P.O. No. 19. }

PERTH: FRIDAY, MAY 6.

[1904.]

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

### Complete Specifications.

*Patent Office, Perth,  
6th May, 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. 4844.—EDWARD WATERS, JUN., a member of the firm of EDWARD WATERS & SON, Patent Agents, of Nos. 414-418 Collins Street, Melbourne, in the State of Victoria, Commonwealth of Australia (*The Ingersoll Sergeant Drill Company*), "*Improvements in compressors for Air and other aeriform or gaseous bodies.*"—Dated 12th April, 1904.

#### Claims:—

1. The combination with the piston of a compressor constructed with an annular passage and with two valve seats one within the inner circumference of said passage and the other outside of the outer circumference of said passage, of a ring-valve having internal and external flanges which form valve-faces corresponding respectively with said seats and having an annular stem which enters said passage and between the inside and outside of which and the inner and outer walls of the said passage there are spaces constituting two ports to the valve.

2. The combination with the piston of a compressor constructed with an annular passage and with two valve-seats one within the inner circumference of said passage and the other outside of the outer circumference of said passage, of a ring-valve having internal and external flanges which form valve-faces corresponding respectively with said seats and having an annular stem which enters said passage and on the sides of which are projections fitting the walls of said passage.

Specification, 2s. 6d. Drawings on application.

Application No. 4845.—JOHN GEORGE LEYNER, of 501 Seventeenth Street, City and County of Denver, State of Colorado, U.S.A., Manufacturer of Rock-drilling and Mining Machinery, "*A method of ejecting rock cuttings from holes in rock while drilling them.*"—Dated 14th April, 1904.

#### Claims:—

1. The herein described method of expelling rock cuttings from holes in rock during the process of drilling the holes, which consists in simultaneously supplying to the holes during the drilling operation water and air, both under pressure.

2. The herein described method of expelling rock cuttings from holes in rock during the process of drilling the holes, which consists in uniting and commingling compressed water and compressed air and discharging the combined stream under pressure at the drilling point during the drilling operation.

3. The herein described method of expelling rock cuttings from holes in rock during the process of drilling the holes, which consists in commingling with a rock drilling engine, water under pressure and a portion of the actuating fluid of the engine under pressure, and discharging said commingled fluids under pressure at the drilling point during the drilling operation.

Specification, 2s. Drawings on application.

Application No. 4846.—ALBERT WAUCHOPE, of Fremantle, W.A., Metallurgist, and WILLIAM GEORGE MANNERS, of Kalgoorlie, W.A., Mining Engineer, "*An improved Asphaltum or Tar Pavement.*" Dated 25th April, 1904.

#### Claim:—

In an improved asphaltum or tar pavement the admixture of furnace refuse such as slag clinkers or the like with tar or asphaltum thus forming a composition suitable for paving, damp course or the like as particularly described.

Specification, 1s. 6d.

R. G. FERGUSON,  
Registrar of Patents.

### Applications Abandoned.

APRIL 25TH—30TH.

\*No. 4489.—HENRY ERNEST PARRY, Civil Engineer, ROBERT WILLIAM THOMSON, Electrical Engineer, and WILLIAM JAMES FARLEY, Importer, all of Perth, Western Australia, "*An improved Rotary Engine.*"—Dated 25th June, 1903.

\*No. 4492.—ROBERT WALKER ASHCROFT, Tinsmith, WILLIAM JOHN MADDEEN, Mechanic, both of Rangitikei Street, Palmerston North, and SEPTIMUS ASHCROFT, Store Manager, of Dannevirke, all in the Colony of New Zealand, "*Improved means for putting up butter and the like into regular quantities.*"—Dated 26th June, 1903.

\*No. 4494.—JOHN COLLINS CLANCY, of No. 30 Elizabeth Street, Melbourne, Analytical Chemist and Metallurgist, "*Improvements in the extraction of gold, silver, lead, zinc, and other metals, and the production of lead sulphate from mixed or complex sulphide ores.*"—Dated 30th June, 1903.

\*No. 4497.—LOUIS JAMES BERNARD WALL, of Pier Street, Perth, Western Australia, Electrical Engineer, "*System for electrically controlling street lamps.*"—Dated 30th June, 1903.

\* Denotes "Accompanied by Provisional Specification."

R. G. FERGUSON,  
Registrar of Patents.

### Renewal Fees paid on Patents registered from 25th to 30th April, 1904.

*Fee payable before the end of the seventh year in respect of the seven following years:—*

No. 1607.—W. T. A. Bergenhausen.

*Fees payable before the end of the fourth year in respect of the three following years:—*

No. 2942.—H. Marles and G. W. Butt.  
No. 3060.—A. Spencer.



# Government Gazette

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PERTH, FRIDAY, 6 MAY 1904 No. 26a

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Trade Marks