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

Complete Specification.

Patent Office, Perth, 9th January, 1903.

NOTICE is hereby given that the undermentioned Application for the Grant of Letters Patent, and the complete Specification annexed thereto, has been accepted, and is now open to public inspection at this

Any person or persons intending to oppose such application 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. 4165.—WILLIAM HENRY GAZE, of Wyndham Street, Shepparton, in the State of Victoria, Commonwealth of Australia, Doctor of Medicine, "Improvements in Illuminating Gas."—Dated 3rd December, 1902.

1. The improved gas consisting of the combination of benzine C H three (3) parts, gasolene (of a specific gravity of from '66 to '69) six (6) parts, and ether (C H) O (preferably methylated) one (1) part all as and for the purposes hereinbefore described.

2. The improved gas consisting of the combination of benzine CH three (3) parts, gasolene (of a specific gravity of from 66 to 69) five (5) parts, ether (C H) O (preferably methylated) one (1) part and napphthenes C H one (1) part, all as and for the purposes hereinbefore described.

described.

3. Improvements in illuminating gas and process of generating same consisting of benzine C H three (3) parts, gasolene (of a specific gravity 6 6 6 of from '66 to '69) six (6) parts, and ether (C H) O (preferably methylated) one (1) part, or benzine C H three (3) parts, gasolene (of a specific gravity of from '66 to '69) five (5) parts, ether (C H) O (preferably methylated) one (1) part and napphthenes C H one (1) part in combination with a reservoir containing either of the above mixtures and having a cap above the same and a gauge glass at the side of the said reservoir, a pipe leading from said reservoir to the interior of a carburettor, said pipe having in its bottom serrations or up-cuts, a tap on said pipe, said carburettor having an air distributing box in the interior of the same, a filling, a straiuer, a pipe leading to said air box having a tap thereon, said pipe conveying air from an air holder, said air holder being lifted by weights passing over pulleys and depressed by gravity and the said weights, the lower end of said air holder being lifted by weights passing over pulleys and depressed by gravity and the said weights, the lower end of said air holder being immersed in a water tank. A gas discharge pipe communicates with the interior of the said strainer, said pipe having a tap thereon all as and for the purposes hereinbefore described and as illustrated in the drawings.

Specifications 7s. Drawings on amplication.

Specifications, 7s. Drawings on application.

R. G. FERGUSON,

Registrar of Patents.

Notice of Application for Amendment.

THE PATENTS ACTS, 1888-1894.

N the matter of Letters Patent No. 3681, dated 12th December, 1901, by RICHARD SEEMAN, of St. Chad's, Ealing, London, Merchant.

Notice is hereby given that the above Richard Seeman has applied for leave to amend the complete Specification of his invention, alleging as his reason for so doing: - "In order that the claims may specifically and exactly set forth what is substantially new and novel, and in agreement with that as described in the body of the specification, and as illustrated in the drawings."

The amendments made are as follow, viz. (reference being had to amended copy of Specification lodged in Patent Office, Perth) :-

Page 2.

Strike out Claims 1 and 2, and insert :-Claims :-

Claims:—

1. The treatment of copper ores containing carbonate of copper, or native oxide, consisting in feaching them with a solution of ammonia, drawing off the clear ammoniacal solution of copper and then distilling off the ammonia, substantially as herein described and set forth

2. In a process for the treatment of copper ores as herein described and claimed an apparatus comprised of a safety stationary vessel as A, a mixer as B, a settler as C, and a still as D, each three latter vessels B, C, and D being axially mounted as at K, and so adapted to be revolved or swung, the said four vessels all hermetically sealed and being mounted at different levels and in connection with each other so as to allow the liquid to flow from one to the other by gravity substantially as herein described and as illustrated in the attached drawings.

3. An apparatus as above described and claimed having its parts or surfaces which come into contact with the ammonical solution of copper made of earthenware or other acid-resisting materials oas to be unacted upon by copper or ammonia in solution substantially as and for the purposes herein described and explained.

Any person or persons intending to oppose the said

Any person or persons intending to oppose the said application for amendment must leave particulars, in writing (on Form G), of his or their objections thereto, within one calendar month from the date hereof. A fee of Ten shillings (10s.) is payable with such notice.

Dated this 19th day of December, 1902.

R. G. FERGUSON,

Registrar of Patents.

Renewal Fee paid on Patent registered from 27th December, 1902, to 3rd January, 1903.

Fee payable before the end of the fourth year in respect of the three following years :-

No. 2355.—Worthington, C. C.

Applications for Patents.

DECEMBER 27th, 1902, to JANUARY 3RD, 1903.

 $[Where\ Provisional\ Specification\ accompanies\ Application\ an\ asterisk\ is\ affixed.]$

No.	Date.	Name.	Address.	Title.		
4209	29th Dec., 1902	Christensen, H	Copenhagen, Den- mark	Improvements in matches and machinery for their manufacture.		
*4210	30th Dec., 1902	Sutton, N. M.; Steele, E. G.; Steele, W. L.; and Folsetter, W.	Dallas, U.S.A	Improvements in electro-static magnetic separators.		
4211	30th Dec., 1902	Cooley Development Company (assignee of Cooley, J. F.)	Boston, U.S.A	Improvements in and relating to rotary fluid engines.		
4212	30th Dec., 1902	Brandt, F	Melbourne, Victoria	Improvements in pumps for kerosene and other liquids.		
4213	30th Dec., 1902	Lumley, M., and Bourseau, J. B.	London, England, and Paris, France	An improved reducing valve.		
4214	30th Dec., 1902	Corrington, M,	New York, U.S.A.	Improvements in variable speed safety valves.		
4215	2nd Jan., 1903	Clayton Fire Extinguishing and Ventilating Company, Limited (assignee of Clayton, T. A.)	London, England	Improved apparatus for the generation and delivery of hot or cold gas for fumigation, sterilisation, the extinguishing of fires, and the like.		
*4216	2nd Jan., 1903	The United Shoe Machinery Company (assignee of Leland, S. D.)	Paterson, U.S.A	Improvements in or relating to machines for compressing heels.		
*4217	2nd Jan., 1903	United Shoe Machinery Company (assignee of Allen, C. L.)	Paterson, U.S.A	Improvements in or relating to machines for compressing heels,		
*4218	2nd Jan., 1903	Carter, H., and Paterson, R. T. (assignees of Kinsella, J.)	Melbourne, Victoria	Improved parcel or package strap.		
4219	2nd Jan., 1903	Hiss, N	New York, U.S.A.	Improvements in or relating to traction machinery or apparatus,		
4220	2nd Jan., 1903	Purser, A.; Jenkius, F. W.; and Miller, McAlister C. R.	Roodeport, Trans- vaal, South Africa	Improvements in or relating to machines or apparatus for forging and pointing or sharpening rock-drilling and similar tools.		
4221	3rd Jan., 1903	Fessenden, R. A	Manteo, U.S.A	Improvements in current operated receiver for electro-magnetic waves.		
4222	3rd Jan., 1903	Fessenden, R. A	Manteo, U.S.A	Selective signalling by electro-magnetic waves.		

Index of Applicants for Patents.

DECEMBER 27TH, 1902-JANUARY 3RD, 1903.

Name.	Title.		Date.	
Bourseau, J. B	Vide Lumley, M., and Bourseau, J. B	4213	30th Dec., 1902	
Brandt, F	Improvements in pumps for kerosene and other liquids	4212	30th Dec., 1902	
Carter, H., and Paterson, R. T. (assignees of Kinsella, J.)	Improved parcel or package strap	4218	2nd Jan., 1903	
Christensen, H	Improvements in matches and machinery for their manufacture	4209	29th Dec., 1902	
Clayton Fire Extinguishing and Ven- tilating Company, Limited (assignees of Clayton, T. A.)	Improved apparatus for the generation and delivery of hot or cold gas for fumigation, sterilisation, the extinguishing of fires and the like	4215	2nd Jan., 1908	
Clayton, T. A	Vide Clayton Fire Extinguishing and Ventilating Company, Limited	4215	2hd Jan., 1903	
Cooley, J. F	Vide Cooley Development Company	4211	30th Dec., 1902	
Cooley Development Company (assignee of Cooley, J. F.)	Improvements in and relating to rotary fluid engines	4211	30th Dec., 1902	
Corrington, M	Improvements in variable speed safety valves	4214	30th Dec., 1902	
Fessenden, R. A	Selective signalling by electro-magnetic waves	4222	3rd Jan., 1903	
Fessenden, R. A	Improvements in current-operated receiver for electro- magnetic waves	4221	3rd Jan., 1903	
Folsetter, W	Vide Sutton, H. M	4210	30th Dec., 1902	
Hiss, N	Improvements in or relating to traction machinery or apparatus	4219	2nd Jan., 1903	
Kinsella, J	Vide Carter, H., and Paterson, R. T. (assignees of Kinsella, J.)	4218	2nd Jan., 1903	
Leland, S. D	Vide United Shoe Machinery Company	4216	2nd Jan., 1903	
Lumley, M., and Bourseau, J. B	An improved reducing valve	4213	30th Dec., 1902	
Paterson, R. T	Vide Carter, H., and Paterson, R. T. (assignees of Kinsella, J.)	4218	2nd Jan., 1903	
Purser, A.; Jenkins, F. W.; and Miller, McAlister C. R.	Improvements in or relating to machines or apparatus for forging and pointing, or sharpening rock-drilling and similar tools	4220	2nd Jan., 1903	
Steele, E. G	Vide Sutton, H. M	4210	30th Dec., 1902	
Steele, W. L	Vide Sutton, H. M	4210	30th Dec., 1902	
Sutton, H. M.; Steele, E. G.; Steele, W. L.; and Folsetter, W.	Improvements in electro-static magnetic separators	4210	30th Dec., 1902	
United Shoe Machinery Company (assignee of Leland, S. D.)	Improvements in or relating to machines for compressing heels	4216	2nd Jan., 1903	
United Shoe Machinery Company (assignee of Allen, C. L.)	Improvements in or relating to machines for compressing heels	4217	2nd Jan., 1903	

Index of Subjects of Patents Applications.

DECEMBER 27TH, 1902-JANUARY 3RD, 1903.

Title.			Name.	No.	Date.
Compressing Heels			United Shoe Machinery Company (Assignee of Leland, S. D.)	4216	2nd Jan., 1963
Compressing Heels			United Shoe Machinery Company (Assignee of Allen, C. L.)	4217	2nd Jan., 1903
Electro-Magnetic Waves			Vide Receiver	4221	3rd Jan., 1903
Electro-Magnetic Waves			Vide Signalling	4222	3rd Jan., 1903
Fluid Engines			Vide Rotary Fluid Engines	4211	30th Dec., 1902
Gas			Vide Generating Gas	4215	2nd Jan., 1903
Generating Gas			Clayton Fire Extinguishing and Ventilating Company,	4215°	2nd Jan., 1903
<u>o</u>			Limited (Assignee of Clayton, T. A.)		
Heels			Vide Compressing Heels	4216	2nd Jan., 1903
Heels			Vide Compressing Heels	4217	2nd Jan., 1903
Magnetic Separators			Vide Separators	4210	30th Dec., 1902
Matches			Christensen, H	4209	29th Dec., 1902
Pumps			Brandt, F	4212	30th Dec., 1902
Receiver			Fessenden, R. A	4221	3rd Jan., 1903
Rock-drilling Tools			Purser, A.; Jenkins, F. W.; Miller, McAlister C. R	4220	2nd Jan., 1903-
Rotary Fluid Engines			Cooley Development Company (Assignee of Cooley, J. F.)	4211	30th Dec., 1902
Separators			Sutton, H. M.; Steele, E. G.; Steele, W. L.; and Folsetter, W.	4210	30th Dec., 1902
Sharpening Tools, etc.			Vide Rock-drilling Tools	4220	2nd Jan., 1903
Signalling			Fessenden, R. A	4222	3rd Jan., 1903
Straps			Carter, N., and Paterson, R. T	4218	2nd Jan., 1903
Traction Machinery			Hiss, N	4219	2nd Jan., 1903
Valves			Lumley, M., and Bourseau, J. B	4213	30th Dec., 1902
Valves (safety speed)			Corrington, M	4214	30th Dec., 1902
Waves			Vide Receiver	4221	3rd Jan., 1903
Waves			Vide Signalling	4222	3rd Jan., 1903

Applications Abandoned,

DECEMBER 27TH, 1902-JANUARY 3RD, 1903.

Application No. 3760.—ENOCH RICHARDSON, of 18 Muir Street, Hawthorne, in the County of Bourke and State of Victoria, Engineer, "Improvements in the Fittings of locomotive, traction, portable, stationary, marine, and other boilers used for the production of steam, as affecting the admission and distribution of air, the more complete combustion of fuel, and prevention of smoke."—Dated 4th March, 1902.

Application No. 3762.—Herman Tas, of 33 Cobden Street, North Melbourne, in the State of Victoria, Inventor, "Chair Silencer."—Dated 4th March, 1902.

Application No. 3763.—Henry Murray Dickson, of Lion Mill, in the State of Western Australia, in the Commonwealth of Australia, Engine-fitter, "A Caulking Machine adapted to caulking locking-bar pipes."—Dated 5th March, 1902.

Trade Marks.

Patent Office, Trade Marks Branch, Perth, 9th January, 1903.

T is hereby notified that I have received the undermentioned Application for the Registrations of Trade Marks.

Any person or persons intending to oppose such applications must leave particulars in writing, in duplicate (on Form F), of his or their objections thereto, within two calendar months from the date of this *Gazette*.

A fee of £1 is payable with such notice.

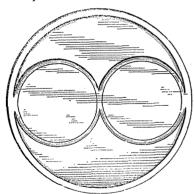
In the case of an Application in which have been inserted a statement and disclaimer (or a disclaimer only), a copy of the same is printed in *italics* in connection with the advertisement.

R. G. FERGUSON,

Registrar of Designs and Trade Marks.

Application No. 2638, dated 18th November, 1902.—The America Tobacco Company, of No. 111 Fifth Avenue, City, County, and State of New York, United States of America,

to register in Class 45, in respect of Tobicco, either manufactured or unmanufactured, a Trade Mark, of which the following is a representation:—



Application No. 2677, dated 29th December, 1902.—James Watson and Company, Limited, of 97 Seagate, Dundee, Scotland, Distillers, to register in Class 43, in respect of Whisky, a Trade Mark, of which the following is a representation:—



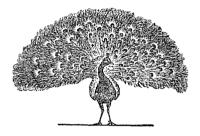
The essential particular of the Trade Mark is the distinctive label.

Application No. 2678, dated 30th December, 1902.—R. W. CAMERON AND COMPANY, of 256 George Street, Sydney, in the State of New South Wales and Commonwealth of Australia, and elsewhere, Merchants, to register in Class 42, in respect of Flour and goods of a similar description, a Trade Mark, of which the following is a representation:—

NOREMAC.

Application No. 2679, dated 30th December, 1902.—Griffiths Bros. & Co., of 29 Macks Road, Bermondsey, London, England, Paint, Colour, and Varnish Manufacturers, to register in Class 1, in respect of Paints, Colours, and Varnishes, except Insulating Varnishes, a Trade Mark, of which the following is a representation:—

PEACOCK BRAND.



Application No. 2680, dated 30th December, 1902.—GRIFFITH Bros. & Co., of 29 Macks Road, Bermondsey, London, England, Paint, Colour, and Varnish Manufacturers, to register in Class 1, in respect of Chemical substances used in manufactures, photography or philosophical research and anti-corrosives, a Trade Mark, of which the following is a representation:—

FERRODOR.

Application No. 2681, dated 30th December, 1902.—Paris Medicine Co., of 2622 Pine Street, St. Louis, United States of America, and 28 Shoe Lane, London, England, Manufacturing Chemists, to register in Class 3, in respect of Chemical substances prepared for use in medicine and pharmacy, a Trade Mark, of which the following is a representation:—

PAZO.

Application No. 2685, dated 30th December, 1902.—N. GREENING & SONS, LIMITED, of Warrington, in the County of Lancaster, Wire Manufacturers and Metal Perforators, to register in Class 13, in respect of Sieving and Screening Plates, being metal goods not included in other classes, a Trade Mark, of which the following is a representation:—

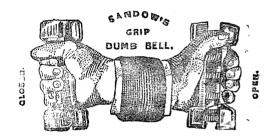
RANDIA

The applicants disclaim any right to the exclusive use of the word "Rand."

Application No. 2686, dated 30th December, 1902.— SAMUEL BRUBAKER HARTMAN, of Columbus, Ohio, United States of America, to register in Class 3, in respect of a Medicinal Compound, a Trade Mark, of which the following is a representation:—

PE-RU-NA

Application No. 2687, dated 31st December, 1902.—The persons trading as Sandow's Grip Dumb-bell Company, of Victoria Embankment, Savoy Corner, London, England, Manufacturers, to register in Class 49, in respect of Dumbbells, a Trade Mark, of which the following is a representation:—



The above Trade Mark consists of or contains the following essential particulars: The distinctive device; and applicant disclaims any right to the exclusive use of the added matter except in so far as it consists of its name.

List of Trade Mark Applications abandoned.

DECEMBER 20TH, 1902-JANUARY 3RD, 1903.

Application No. 2583, dated 12th September, 1902, in the name of Bon Marché, Limited, General Drapers, of Hay Street, Perth, in the State of Western Australia, to register in Class 38, in respect of Corsets.