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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,
24th August, 1902.

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 any of such applications must leave particulars, in writing, in duplicate (on Form D), of his or their objections thereto, within two calendar months from the first appearance of this advertisement in the *Western Australian Government Gazette*. A fee of Ten shillings (10s.) is payable with such notice.

Application No. 3649.—WILLIAM THOMAS RILEY, of Victoria Place, off George Street, Sydney, in the State of New South Wales and Commonwealth of Australia, Furniture Manufacturer, "*Improvements in woven wire mattresses and related structures.*"—Dated 19th November, 1901.

Claims:—

1. The combination with longitudinals or side bars such as 4 adapted to be kept apart by stretchers such as 5 and having grooves such as 3 therein of woven wire fixed with its helices running between to side rods such as 2 adapted to fit and be fastened in said grooves such as 3 altogether forming a flat mattress substantially as herein described and explained and as illustrated in the drawing.

2. The combination with longitudinals or side bars such as 4 adapted to be kept apart by stretchers such as 5 and having grooves such as 3 therein of woven wire fixed with its helices running between two side rods such as 2 adapted to fit and be fastened in said grooves such as 3 and curved cheeks such as 11 having curved rods such as 12 similarly carrying curved woven wire and having similar stretchers such as 5 substantially as herein described and explained and as illustrated in the drawing.

3. The combination with longitudinals or side bars such as 4 adapted to be kept apart by stretchers such as 5 and having grooves such as 3 therein of woven wire fixed with its helices running between two side rods such as 2 adapted to fit and be fastened in said grooves such as 3 curved cheeks such as 11 having curved rods such as 12 similarly carrying curved woven wire and having similar stretchers such as 5 and legs such as 13 affixed to the frame by said stretchers such as 5 substantially as herein described and explained and as illustrated in the drawing.

4. The combination with longitudinals or side bars such as 4, adapted to be kept apart by stretchers such as 5, and having grooves such as 3 therein of woven wire fixed with its helices running between two side rods such as 2 adapted to fit and be fastened in said grooves such as 3 curved cheeks such as 11 having curved rods such as 12 similarly carrying curved woven wire and having similar stretchers such as 5 and legs such as 13 and back such as 15 affixed to the frame by said stretchers such as 5 substantially as herein described and explained and as illustrated in the drawing.

Specification, 5s. 6d. Drawings on application.

Application No. 3817.—GEORGE JAMES KINGSBURY, of Coolgardie, Western Australia, Plumber, "*Auto-Gas Extinguishing Attachment, principally for Acetylene Generators and improvements connected therewith.*"—Dated 10th April, 1902.

Claims:—

1. The automatic extinguishing of a gas burner, such as D2 upon a predetermined consumption of gas by means of an adjustable detent as B1 secured to the dome of the gas holder a bell crank lever as E, a link as E1, a depression rod as E2, a link as D4, all in working connection with each other and with a gas feed tap as D3 and controlled and automatically operated by the descent of the dome as A1 substantially as herein set forth and described and as illustrated in Figures 1 and 2 of the attached drawings.

2. A rectangular or box-shaped generator as C provided with a hinged door as F having means for the securement of the gas as the screw lock bolt as F4 and the gas seal F2, F3 said generation also having the removable carbide cell as G, a water supply chamber as J, a feed water syphon pipe as J4, J6 and a flexible gas discharge pipe as C2, C3, such generator being arranged and constructed so as to be attachable to a holder as A, A1, substantially as herein set forth and described and as illustrated in Figures 3 and 4 of the attached drawings.

3. A generator as C in combination with the holder as A A1 in operative combination with the means for the automatic extinguishing of a burner as D2 when upon a given consumption of gas and so controlling the period of ignition substantially as herein set forth and described and as illustrated in all the Figures of the attached drawings.

Specification, 6s. Drawings on application.

Application No. 3985.—CHARLES BUTTERS, of Threadneedle House, 28 Bishopsgate Street Within, London, England, Metallurgist, "*Improvements in precipitating Metals from Solutions.*"—Dated 8th August, 1902.

Claims:—

1. The improvement in the process of precipitating metals from solutions chiefly cyanide solutions which consists in employing cathodes having surfaces of tin and a high density electric current.

2. The improvements in the process of precipitating metal from solutions chiefly cyanide solutions which consists in employing cathodes having surfaces of tin in combination with anodes of lead peroxide and a high density electric current.

Specification, 4s. 6d. Drawings on application.

Application No. 3986.—ALLISON DALRYMPLE SMITH, of 14 Hartington Gardens, Edinburgh, Scotland, Engineer, "*Improvements in automatic Buffer Couplers and in draw-gear connected therewith.*"—Dated 8th August, 1902.

Claims:—

1. In automatic buffer couplings and in combination a buffer head, a bearing surface in the base thereof for the link or shackle, a slotted bearing in the rear thereof for the pivot, a link or shackle, and a pivot in said bearing connecting said link or shackle to the buffer head, the parts being so proportioned that the point of the link or shackle is normally held above the plane of the pivot point but is capable of being readily depressed by an overlying link or shackle when and after coupling substantially as and for the purposes set forth.

2. In automatic buffer couplings and in combination a buffer head, a bearing surface in the base thereof for the link or shackle, a slotted bearing in the rear thereof for the pivot, a link or shackle lying on the bearing surface and a pivot in said bearing connecting said link or shackle to the buffer head, outwardly flanged side walls to said buffer head forming buffer faces, inwardly inclined side walls within said head adapted to form guides for an incoming link or shackle, a draw hook or horn centrally placed between said side walls the outer face of which forms an inclined plane extending below the centre line of the draw gear all substantially as and for the purposes set forth.

3. In automatic buffer couplings and in combination a buffer head, a bearing surface in the base thereof for the link or shackle, a slotted bearing in the rear thereof for the pivot, a link or shackle lying on the bearing surface and a pivot in said bearing connecting said link or shackle to the buffer head, outwardly flanged side walls to said buffer head forming buffer faces, inwardly inclined side walls within said



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Application for the Grant of Letters Patent