

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention, and Name of Inventor.                                                                                                               | No.   | Date.     |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|
| Railway air-brake, Adjusting. R. E. Robertson .. .. .                                                                                          | 15708 | 2 Dec.    |
| Railway and tramway points, Shifting. G. D. Ross .. .. .                                                                                       | 14588 | 6 March.  |
| Railway-brake. S. Cheney, jun. .. .. .                                                                                                         | 15566 | 29 Oct.   |
| Railway-car bicycle-carrier. A. Lyell .. .. .                                                                                                  | 14513 | 11 Feb.   |
| Railway-crossing, Pivot blade-joint for. W. Watts .. .. .                                                                                      | 15493 | 9 Oct.    |
| Railway-rails, Fixing. W. J. Foot .. .. .                                                                                                      | 14426 | 14 Jan.   |
| Railway-signalling, Pneumatic. M. Corrington and F. L. Dodgson .. .. .                                                                         | 14618 | 13 March. |
| Railway signals and points, Operating. W. Taylor .. .. .                                                                                       | 14499 | 6 Feb.    |
| Railway, Three-wire overhead system of electric. A. W. Parker .. .. .                                                                          | 15446 | 20 Sept.  |
| Railway-traffic-control system. W. Rowe .. .. .                                                                                                | 15316 | 28 Aug.   |
| Railway-truck coupling. J. T. Woods .. .. .                                                                                                    | 15104 | 10 July.  |
| Rain-excluder for door. E. R. Ludbrook, A. B. and G. C. Jackson .. .. .                                                                        | 15222 | 5 Aug.    |
| Rain-water, Collecting. L. Adamson .. .. .                                                                                                     | 15657 | 20 Nov.   |
| Rain-water strainer. F. J. Tonkin .. .. .                                                                                                      | 15340 | 1 Sept.   |
| Raising gold from crevices in rock below water. J. D. Coomber .. .. .                                                                          | 15529 | 14 Oct.   |
| Range. (See Cooking-range.)                                                                                                                    |       |           |
| Range-finder. C. A. Trotter .. .. .                                                                                                            | 14773 | 19 April. |
| Range-finder. L. O. Beal, jun. .. .. .                                                                                                         | 14787 | 19 April. |
| Rat-trap. E. T. Towgood and F. H. Hazelden .. .. .                                                                                             | 15031 | 23 June.  |
| Rat-trap. H. Dixon .. .. .                                                                                                                     | 15812 | 23 Dec.   |
| Rat-trap. H. Dixon .. .. .                                                                                                                     | 15813 | 23 Dec.   |
| Ratchet nut-lock. G. J. Bertinshaw .. .. .                                                                                                     | 15055 | 30 June.  |
| Razor-strop. R. B. Jackson and J. Sharp, jun. .. .. .                                                                                          | 15732 | 9 Dec.    |
| Reading-desk. J. H. Marple .. .. .                                                                                                             | 14537 | 18 Feb.   |
| Reaping-machine, Grain-reel for. J. Kelly .. .. .                                                                                              | 15667 | 19 Nov.   |
| Receiver for wireless telegraphy. G. Marconi and Marconi's Wireless Telegraph Company (Limited)                                                | 15689 | 3 May.    |
| Receptacle. (See Nightsoil-receptacle, Privy-receptacle.)                                                                                      |       |           |
| Receptacle for liquid under pressure. L. J. Bizet .. .. .                                                                                      | 15043 | 27 June.  |
| Receptacle-handle. A. R. Ayson .. .. .                                                                                                         | 15110 | 11 July.  |
| Reciprocatory motor. F. T. H. M. J. Marcard .. .. .                                                                                            | 15582 | 31 Oct.   |
| Recorder. (See Billiard-score recorder, Course-recorder, Distance-recorder, Vote-recorder.)                                                    |       |           |
| Reducing stone, lime, &c. F. E. Whitham .. .. .                                                                                                | 14615 | 13 March. |
| Reduction of ironsand, &c. D. R. S. Galbraith and W. Steuart .. .. .                                                                           | 15661 | 18 Nov.   |
| Reduction of ironsand, &c. D. R. S. Galbraith and W. Steuart .. .. .                                                                           | 15662 | 18 Nov.   |
| Reflector for incandescent gas-lamp. R. Lockhead .. .. .                                                                                       | 15709 | 29 Nov.   |
| Refractory ores, Extracting gold, &c., from. E. Richardson .. .. .                                                                             | 15000 | 13 June.  |
| Refractory ores, Recovering gold from. T. H. Hicks .. .. .                                                                                     | 15093 | 10 July.  |
| Refractory ores, Treating. W. E. Hughes .. .. .                                                                                                | 15780 | 18 Dec.   |
| Refrigerating-apparatus, Determining quantity of liquid in. J. Smaill .. .. .                                                                  | 14830 | 2 May.    |
| Register. (See Fluid-register.)                                                                                                                |       |           |
| Register and recorder. W. E. Hughes .. .. .                                                                                                    | 14809 | 1 May.    |
| Registering and recording machine. H. Droutledge .. .. .                                                                                       | 14772 | 17 April. |
| Registering-machine, &c. H. Droutledge .. .. .                                                                                                 | 15814 | 22 Dec.   |
| Regulating intermittent squeeze and feed for closing joints of pipes. G. J. Hoskins .. .. .                                                    | 15751 | 9 Dec.    |
| Regulator. (See Damper-regulator, Draught-regulator, Gas-pressure regulator, Pressure-regulator, Saw stripper and regulator, Shear-regulator.) |       |           |
| Reinforcement of plastic material. W. J. Baltzer .. .. .                                                                                       | 14900 | 22 May.   |
| Relief valve, Automatic. P. E. Sagnol and T. Tonks .. .. .                                                                                     | 15719 | 4 Dec.    |
| Remedy for cuts, &c. W. Dawson .. .. .                                                                                                         | 14771 | 16 April. |
| Removing coal from hold of ship. F. P. Evans and D. McDougall .. .. .                                                                          | 14861 | 9 May.    |
| Removing tire of bicycle. S. Nicolson .. .. .                                                                                                  | 15659 | 20 Nov.   |
| Renewing window-cords. A. Smith and R. Ewing .. .. .                                                                                           | 15499 | 10 Oct.   |
| Repairing-patch for bicycle-tire. C. W. Stephenson .. .. .                                                                                     | 15109 | 11 July.  |
| Repairing rib of umbrella, Clip for. T. Rice .. .. .                                                                                           | 15513 | 14 Oct.   |
| Reservoir-attachment to washstand. S. Soffe .. .. .                                                                                            | 14965 | 6 June.   |
| Reshaping rolled products. Foreign McKenna Process Company .. .. .                                                                             | 15327 | 26 Aug.   |
| Restoring overworked sponge. R. Todd .. .. .                                                                                                   | 15470 | 3 Oct.    |
| Retainer. (See Door-retainer.)                                                                                                                 |       |           |
| Reversing motion of steam-engine. A. I. Senior .. .. .                                                                                         | 15285 | 22 Aug.   |
| Reversing rotation of shafting. W. A. Gamman .. .. .                                                                                           | 15684 | 26 Nov.   |
| Revolving or stationary canvas target. C. H. Shattky .. .. .                                                                                   | 14902 | 17 May.   |
| Rheumatism, Medicinal compound for. J. Fraser .. .. .                                                                                          | 15371 | 9 Sept.   |
| Ridges for roofing. P. Patten .. .. .                                                                                                          | 14714 | 5 April.  |
| Rifle-shooting at short range. A. C. Whitney .. .. .                                                                                           | 15029 | 23 June.  |
| Rims of wheels, Tightening. J. Winters .. .. .                                                                                                 | 15584 | 31 Oct.   |
| Rings. (See Packing-rings.)                                                                                                                    |       |           |
| River-bank protection. J. F. Rose .. .. .                                                                                                      | 14484 | 21 Jan.   |
| River-banks, Protecting. J. F. Rose .. .. .                                                                                                    | 15113 | 12 July.  |
| River-bar removal, Canal for. F. Lambert .. .. .                                                                                               | 15240 | 8 Aug.    |
| River, Rafting logs down a. A. M. Grainger .. .. .                                                                                             | 15465 | 2 Oct.    |
| Road-grader. D. L. Cochrane .. .. .                                                                                                            | 14526 | 14 Feb.   |
| Road-making, Treating clay for. J. T. Steele .. .. .                                                                                           | 15131 | 18 July.  |
| Road-plough. E. H. Grey .. .. .                                                                                                                | 14738 | 12 April. |
| Road-sweeper. F. W. Paterson .. .. .                                                                                                           | 14823 | 30 April. |
| Roasting. (See Ore-roasting.)                                                                                                                  |       |           |
| Roasting-furnace. F. Klepetko and W. J. Evans .. .. .                                                                                          | 14888 | 20 May.   |
| Rock-cutting apparatus. F. Lobnitz .. .. .                                                                                                     | 14950 | 30 May.   |
| Rock-drill. W. Brady .. .. .                                                                                                                   | 15329 | 26 Aug.   |
| Rock-drill. J. Cox .. .. .                                                                                                                     | 15426 | 16 Sept.  |
| Rock-drilling machine. C. W. Thompson .. .. .                                                                                                  | 15771 | 17 Dec.   |
| Rod for wire fencing. A. T. De Bary .. .. .                                                                                                    | 14730 | 10 April. |
| Rolled-iron pipe, Joint for. G. J. Hoskins .. .. .                                                                                             | 15386 | 8 Sept.   |
| Rolled products, Reshaping. Foreign McKenna Process Company .. .. .                                                                            | 15327 | 26 Aug.   |
| Roller. (See Drill-roller, Printing-roller.)                                                                                                   |       |           |
| Roller for swampy, &c., ground. T. Fennessy .. .. .                                                                                            | 15075 | 3 July.   |
| Rolling-vat, Agitation. M. Zobel .. .. .                                                                                                       | 14627 | 15 March. |