

ALPHABETICAL LIST OF INVENTIONS—*continued.*

| Invention.                                                                                     | Name                                           | Application. |                | Gazette. |            |
|------------------------------------------------------------------------------------------------|------------------------------------------------|--------------|----------------|----------|------------|
|                                                                                                |                                                | No.          | Date.          | No.      | Date.      |
| Furnace .. ..                                                                                  | H. E. Leighton ..                              | 16116        | 21 Mar., 1903  | 15       | 18 Feb.    |
| Furnace .. ..                                                                                  | The Morgan Crucible Company, Limited           | 17486        | 21 Jan. ..     | 15       | 18 Feb.    |
| Furnace-stoker .. ..                                                                           | Babcock and Wilcox, Limited, and R. A. McLaren | 16538        | 24 June, 1903  | 2        | 7 Jan.     |
| Furnace, Water-tube .. ..                                                                      | J. M. Harding ..                               | 17700        | 23 Mar. ..     | ..       | ..         |
| Galvanic plate for boot .. ..                                                                  | R. P. Gibbons ..                               | 17552        | 17 Feb. ..     | 20       | 3 Mar.     |
| Game .. ..                                                                                     | H. Brice ..                                    | 17460        | 13 Jan. ..     | 10       | 4 Feb.*    |
| Game .. ..                                                                                     | C. E. S. Scott ..                              | 17466        | 14 Jan. ..     | 15       | 18 Feb.    |
| Game .. ..                                                                                     | W. Wilkinson ..                                | 17473        | 11 Jan. ..     | 15       | 18 Feb.*   |
| Game .. ..                                                                                     | C. H. Waddle and S. White ..                   | 17478        | 15 Jan. ..     | 15       | 18 Feb.*   |
| Game, Hoops and pegs for .. ..                                                                 | C. E. Warden ..                                | 17710        | 26 Mar. ..     | ..       | ..         |
| Garment, Rainproof .. ..                                                                       | J. V. Wyborn ..                                | 17703        | 28 Mar. ..     | 31       | 14 April.* |
| Gas, Apparatus for charging liquids with ..                                                    | Soda Stream, Limited, and W. Hucks, jun.       | 17437        | 7 Jan. ..      | 10       | 4 Feb.     |
| Gas-engine .. ..                                                                               | E. Phillips ..                                 | 17573        | 25 Feb. ..     | 28       | 31 Mar.    |
| Gas-engine silencer .. ..                                                                      | B. Crawford ..                                 | 17527        | 13 Feb., 1903  | 25       | 18 Mar.†   |
| Gas-generator .. ..                                                                            | W. H. Brooks ..                                | 17102        | 15 Oct., 1903  | 28       | 31 Mar.    |
| Gas-generator .. ..                                                                            | W. Lord ..                                     | 17537        | 11 Feb. ..     | 15       | 18 Feb.*   |
| Gas-light heater .. ..                                                                         | W. F. Young ..                                 | 17469        | 12 Jan. ..     | 10       | 4 Feb.     |
| Gate .. ..                                                                                     | J. W. Faulkner ..                              | 17427        | 24 Dec., 1903  | 28       | 31 Mar.    |
| Gauntlet, Cycling- .. ..                                                                       | E. Saxton ..                                   | 15028        | 23 Mar., 1903  | 6        | 21 Jan.    |
| Generator. (See Acetylene-generator.)                                                          |                                                |              |                |          |            |
| Geographical game .. ..                                                                        | C. E. S. Scott ..                              | 17466        | 14 Jan. ..     | 15       | 18 Feb.    |
| Gig-seat .. ..                                                                                 | A. C. Atkin ..                                 | 16051        | 2 Mar., 1903   | 6        | 21 Jan.    |
| Glass drawing .. ..                                                                            | W. H. Waters ..                                | 17526        | 5 Feb. ..      | 28       | 31 Mar.    |
| Go-cart .. ..                                                                                  | W. Hale ..                                     | 17719        | 31 Mar. ..     | ..       | ..         |
| Gold-saving apparatus .. ..                                                                    | A. T. W. Allan ..                              | 17632        | 8 Mar. ..      | 25       | 18 Mar.*   |
| Gold-saving apparatus .. ..                                                                    | R. L. Christie ..                              | 17443        | 4 Jan. ..      | 6        | 21 Jan.*   |
| Gold-saving apparatus .. ..                                                                    | E. Phillips ..                                 | 17470        | 12 Jan. ..     | 10       | 4 Feb.     |
| Goods, Means for increasing saleability of ..                                                  | A. J. Park ..                                  | 16261        | 17 April, 1903 | 25       | 18 Mar.    |
| Governor, Marine .. ..                                                                         | R. J. W. Grasset ..                            | 17625        | 7 Mar. ..      | 25       | 18 Mar.*   |
| Gramophone-cylinder .. ..                                                                      | A. J. Hutchinson ..                            | 17674        | 19 Mar. ..     | 31       | 14 April.* |
| Grip block. (See Safety-grip block.)                                                           |                                                |              |                |          |            |
| Grip driving-appliance .. ..                                                                   | W. L. R. Hall ..                               | 17623        | 4 Mar. ..      | 31       | 14 April.  |
| Grooving metal tube .. ..                                                                      | A. L. Watkins ..                               | 17454        | 12 Jan. ..     | 10       | 4 Feb.     |
| Gum. (See Kauri-gum.)                                                                          |                                                |              |                |          |            |
| Gutter .. ..                                                                                   | C. T. Hodges ..                                | 17504        | 28 Jan. ..     | 15       | 18 Feb.*   |
| Hair-pin .. ..                                                                                 | J. Ramsay ..                                   | 17450        | 11 Jan. ..     | 6        | 21 Jan.*   |
| Hair-pin .. ..                                                                                 | H. H. McDougall ..                             | 17698        | 25 Mar. ..     | ..       | ..         |
| Handle. (See Bucket-handle.)                                                                   |                                                |              |                |          |            |
| Handle and stand for clothes-iron .. ..                                                        | M. Browne ..                                   | 17693        | 21 Mar. ..     | 28       | 31 Mar.    |
| Hat-fastener .. ..                                                                             | J. H. Pomeroy ..                               | 16236        | 16 April, 1903 | 15       | 18 Feb.    |
| Hat-pin .. ..                                                                                  | O. H. Drewet ..                                | 17542        | 10 Feb. ..     | 20       | 3 Mar.     |
| Hat-pin .. ..                                                                                  | J. Luck ..                                     | 17558        | 20 Feb. ..     | 20       | 3 Mar.*    |
| Hay-stacking apparatus .. ..                                                                   | J. Gemmell ..                                  | 17607        | 27 Feb. ..     | 25       | 18 Mar.*   |
| Head block and reach .. ..                                                                     | — Bedgood ..                                   | 17506        | 1 Feb. ..      | ..       | ..         |
| Health-shelter, Paper .. ..                                                                    | A. W. Bickerton ..                             | 17522        | 5 Feb. ..      | 15       | 18 Feb.*   |
| Heat, Applying, to skin .. ..                                                                  | P. B. Hardy ..                                 | 17484        | 21 Jan. ..     | 10       | 4 Feb.*    |
| Heat-circulator for boiler .. ..                                                               | J. R. Thomson ..                               | 17508        | 3 Feb. ..      | 20       | 3 Mar.     |
| Heater .. ..                                                                                   | W. F. Young ..                                 | 17469        | 12 Jan. ..     | 10       | 4 Feb.     |
| Heater .. ..                                                                                   | A. McLeod ..                                   | 16925        | 3 Sept., 1903  | 10       | 4 Feb.     |
| Heater. (See Water-heater.)                                                                    |                                                |              |                |          |            |
| Heating milk, &c. .. ..                                                                        | W. A. J. Dutch and J. Forsyth ..               | 17515        | 4 Feb. ..      | 15       | 18 Feb.*   |
| Heel .. ..                                                                                     | J. N. Du Feu ..                                | 16390        | 26 May, 1903   | 20       | 3 Mar.     |
| Heel .. ..                                                                                     | J. Jenner ..                                   | 17564        | 24 Feb. ..     | 25       | 18 Mar.    |
| Heel-attaching machine .. ..                                                                   | United Shoe Machinery Company                  | 17660        | 16 Mar. ..     | 28       | 31 Mar.*   |
| Heel-finishing machine .. ..                                                                   | United Xpedite Finishing Com-pany              | 16509        | 18 June, 1903  | 25       | 18 Mar.    |
|                                                                                                |                                                | 16510        | 18 June, 1903  | 25       | 18 Mar.    |
| Heel-nailing machine .. ..                                                                     | H. Briggs ..                                   | 17689        | 23 Mar. ..     | 31       | 14 April.  |
| High-pressure reservoir, Controlling contents of                                               | A. J. L. Eckersley ..                          | 17721        | 31 Mar. ..     | ..       | ..         |
| Holder. (See Door-holder, Nail-holder, Serviette-holder, Window-holder, Wire-mattress holder.) |                                                |              |                |          |            |
| Hook and eye .. ..                                                                             | M. Cowan ..                                    | 17549        | 16 Feb. ..     | 20       | 3 Mar.*    |
| Horse-bolting preventer .. ..                                                                  | T. Betts and G. Pirritt ..                     | 15947        | 4 Feb., 1903   | 15       | 18 Feb.    |
| Horse-bolting preventer .. ..                                                                  | J. B. Morony ..                                | 16135        | 25 Mar., 1903  | 20       | 3 Mar.     |
| Horse-cover .. ..                                                                              | W. Trembath ..                                 | 17667        | 16 Mar. ..     | 31       | 14 April.* |
| Horse, Means of blindfolding .. ..                                                             | C. V. Jenkins ..                               | 17655        | 15 Mar. ..     | 28       | 31 Mar.    |
| Horse, Releasing, from vehicle .. ..                                                           | A. W. Töpffer ..                               | 17648        | 11 Mar. ..     | 31       | 14 April.  |
| Horse-shoe .. ..                                                                               | F. J. Single ..                                | 17694        | 23 Mar. ..     | 31       | 14 April.* |
| Horse-shoe machine .. ..                                                                       | S. G. Dickson ..                               | 16029        | 27 Feb., 1903  | 6        | 21 Jan.    |
| Horse-shoeing lever .. ..                                                                      | C. H. Lowe ..                                  | 16799        | 10 Aug., 1903  | 20       | 3 Mar.     |
| Horse-stopper .. ..                                                                            | T. Firth ..                                    | 17446        | 9 Jan. ..      | 6        | 21 Jan.*   |
| Hose, Union joint for .. ..                                                                    | D. Worland ..                                  | 17494        | 22 Jan. ..     | 15       | 18 Feb.*   |
| Hot-water shower .. ..                                                                         | F. S. Parker ..                                | 17434        | 5 Jan. ..      | 6        | 21 Jan.*   |
| Invalid-lifter .. ..                                                                           | F. J. Chapman ..                               | 17580        | 25 Feb. ..     | 25       | 18 Mar.    |
| Ironsand-treating apparatus .. ..                                                              | C. F. Lungley ..                               | 17688        | 23 Mar. ..     | 28       | 31 Mar.*   |
| Irons. (See Clothes-iron.)                                                                     |                                                |              |                |          |            |