

## ALPHABETICAL LIST OF INVENTIONS—continued.

| Invention.                                                                                                                                               | Name.                                                      | Application. |                | Gazette. |                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------|----------------|----------|-----------------|
|                                                                                                                                                          |                                                            | No.          | Date.          | No.      | Date.           |
| Heater. (See Liquid-heater.)                                                                                                                             |                                                            |              |                |          |                 |
| Heel. (See Boot-heel, Rubber heel.)                                                                                                                      |                                                            |              |                |          |                 |
| Hinge. (See Gate-hinge.)                                                                                                                                 |                                                            |              |                |          |                 |
| Hoist. (See Friction-hoist.)                                                                                                                             |                                                            |              |                |          |                 |
| Holder. (See Acetylene-gas holder, Book-holder, Candle-holder, Door and gate holder, Milk-bucket holder, Razor-blade holder, Ticket-holder, Tie-holder.) |                                                            |              |                |          |                 |
| Hook. (See Coupling-hook.)                                                                                                                               |                                                            |              |                |          |                 |
| Hop-picker .. .. .                                                                                                                                       | E. Clemens Horst Company ..                                | 23717        | 14 Nov. ..     | ..       | ..              |
| Horn. (See Talking-machine horn.)                                                                                                                        |                                                            |              |                |          |                 |
| Horse. (See Trotting-horse.)                                                                                                                             |                                                            |              |                |          |                 |
| Horse-collar, Attaching hames to ..                                                                                                                      | G. Parrish .. .. .                                         | 23638        | 24 Oct. ..     | 102      | 28 Nov.*        |
| Horse-cover fastening .. .. .                                                                                                                            | W. G. Grave .. .. .                                        | 23742        | 19 Nov. ..     | ..       | ..              |
| Horse-gag .. .. .                                                                                                                                        | C. E. Keast .. .. .                                        | 23728        | 14 Nov. ..     | 7        | 23 Jan., 1908.* |
| Horse-shoe-making machine .. ..                                                                                                                          | R. J. Fry .. .. .                                          | 23840        | 19 Dec. ..     | ..       | ..              |
| Hospital .. .. .                                                                                                                                         | W. J. Roche .. .. .                                        | 23703        | 6 Dec., 1906†  | ..       | ..              |
| Hot-water cylinder .. .. .                                                                                                                               | T. R. Christie .. .. .                                     | 23435        | 5 Sept. ..     | 95       | 31 Oct.         |
| Hurdle. (See Racing-hurdle.)                                                                                                                             |                                                            |              |                |          |                 |
| Hydraulic-nozzle operator .. ..                                                                                                                          | W. O'Brien, jun., and F. W. Knight                         | 23267        | 7 Aug. ..      | 102      | 28 Nov.         |
| Hydraulic pump .. .. .                                                                                                                                   | E. de Cossey .. .. .                                       | 23624        | 17 Oct. ..     | 102      | 28 Nov.*        |
| Hydro-extractor. (See Tallow-extractor.)                                                                                                                 |                                                            |              |                |          |                 |
| Ice-production .. .. .                                                                                                                                   | Seay International Ice and Refrigeration Machinery Company | 23780        | 3 Dec. ..      | 7        | 23 Jan., 1908.  |
| Implement. (See Road-making implement.)                                                                                                                  |                                                            |              |                |          |                 |
| Indicator. (See Baled-goods temperature-indicator, moisture-indicator.)                                                                                  |                                                            |              |                |          |                 |
| Inseam. (See Boot-inseam.)                                                                                                                               |                                                            |              |                |          |                 |
| Insect-destroyer. (See Disinfectant.)                                                                                                                    |                                                            |              |                |          |                 |
| Internal-combustion engine .. ..                                                                                                                         | R. D. Long .. .. .                                         | 23664        | 30 Oct. ..     | 102      | 28 Nov.*        |
| Internal-combustion engine .. ..                                                                                                                         | D. Roberts and C. James .. ..                              | 23687        | 7 Nov. ..      | 2        | 9 Jan., 1908.   |
| Internal-combustion engine-valve ..                                                                                                                      | T. D. Sinclair .. .. .                                     | 23744        | 21 Nov. ..     | 7        | 23 Jan., 1908.* |
| Internal-combustion engine .. ..                                                                                                                         | D. Roberts .. .. .                                         | 23812        | 11 Dec. ..     | 10       | 6 Feb., 1908.   |
| Internal-combustion engine .. ..                                                                                                                         | D. Roberts .. .. .                                         | 23813        | 11 Dec. ..     | 10       | 6 Feb., 1908.   |
| Iron, Electro-deposition of .. ..                                                                                                                        | S. O. Cowper-Coles .. ..                                   | 23686        | 18 Dec. 1906†  | ..       | ..              |
| Iron. (See Docking-iron.)                                                                                                                                |                                                            |              |                |          |                 |
| Jack. (See Lifting-jack, Shoe-machine jack.)                                                                                                             |                                                            |              |                |          |                 |
| Kerosene-pump .. .. .                                                                                                                                    | G. Westmoreland .. ..                                      | 23584        | 14 Oct. ..     | ..       | ..              |
| Keyless lock .. .. .                                                                                                                                     | S. J. Nielsen .. .. .                                      | 23154        | 18 July ..     | 95       | 31 Oct.         |
| Kitchen-range .. .. .                                                                                                                                    | F. C. White .. .. .                                        | 23540        | 1 Oct. ..      | 98       | 14 Nov.         |
| Knife-cleaner .. .. .                                                                                                                                    | F. Davies .. .. .                                          | 23619        | 18 Oct. ..     | 98       | 14 Nov.*        |
| Ladder. (See Extension ladder.)                                                                                                                          |                                                            |              |                |          |                 |
| Lamp. (See Blow-lamp, Electric lamp.)                                                                                                                    |                                                            |              |                |          |                 |
| Lamp-glass, Preventing cracking of ..                                                                                                                    | E. R. S. Larbalestier .. ..                                | 23574        | 10 Oct. ..     | 102      | 28 Nov.         |
| Lamp-globe attachment .. .. .                                                                                                                            | A. Jarrett .. .. .                                         | 23550        | 3 Oct. ..      | ..       | ..              |
| Land-clearing machine .. .. .                                                                                                                            | J. von Bertouch .. .. .                                    | 23237        | 20 Aug., 1906† | 102      | 28 Nov.         |
| Last. (See Boot-last.)                                                                                                                                   |                                                            |              |                |          |                 |
| Lasting-machine. (See Boot-lasting.)                                                                                                                     |                                                            |              |                |          |                 |
| Lawn-sprayer .. .. .                                                                                                                                     | G. E. Munns .. .. .                                        | 23768        | 27 Nov. ..     | 2        | 9 Jan., 1908.*  |
| Lead or zinc and antimony, Obtaining, from their sulphides                                                                                               | A. P. Gairdner .. .. .                                     | 23609        | 17 Oct. ..     | 98       | 14 Nov.*        |
| Leaf-turner. (See Music-leaf turner.)                                                                                                                    |                                                            |              |                |          |                 |
| Lids of tins, Securing .. .. .                                                                                                                           | R. M. Baddeley .. .. .                                     | 23676        | 21 Nov. ..     | 105      | 12 Dec.         |
| Lifter. (See Curtain-pole lifter.)                                                                                                                       |                                                            |              |                |          |                 |
| Lifting-jack .. .. .                                                                                                                                     | J. E. Crowle .. .. .                                       | 23422        | 8 Oct., 1906†  | 95       | 31 Oct.         |
| Lifting-jack .. .. .                                                                                                                                     | A. McMaster .. .. .                                        | 23600        | 16 Oct. ..     | 98       | 14 Nov.*        |
| Light. (See Flashlight.)                                                                                                                                 |                                                            |              |                |          |                 |
| Lining for grinding-mill .. .. .                                                                                                                         | J. R. Brown .. .. .                                        | 23487        | 19 Sept. ..    | 95       | 31 Oct.         |
| Liquefying milk-froth .. .. .                                                                                                                            | H. P. Mortensen and N. P. Nielsen                          | 23809        | 11 Dec. ..     | ..       | ..              |
| Liquids. (See Aerated liquids.)                                                                                                                          |                                                            |              |                |          |                 |
| Liquid-heater .. .. .                                                                                                                                    | A. T. Pfeiff .. .. .                                       | 23089        | 4 July ..      | 102      | 28 Nov.         |
| Lock. (See Gate-lock, Keyless lock.)                                                                                                                     |                                                            |              |                |          |                 |
| Lock-fastening .. .. .                                                                                                                                   | T. C. McLennan .. .. .                                     | 23660        | 28 Oct. ..     | 102      | 28 Nov.*        |
| Lock-nut .. .. .                                                                                                                                         | W. E. Chamberlain .. ..                                    | 23582        | 12 Oct. ..     | 95       | 31 Oct.*        |
| Lubricating loose pulley .. .. .                                                                                                                         | A. M. Webster .. .. .                                      | 23558        | 1 Oct. ..      | 98       | 14 Nov.*        |
| Mantle. (See Gas-mantle.)                                                                                                                                |                                                            |              |                |          |                 |
| Marine engine .. .. .                                                                                                                                    | J. N. Caught .. .. .                                       | 23843        | 19 Dec. ..     | ..       | ..              |
| Mariner's compass .. .. .                                                                                                                                | H. L. Davis and E. Wood .. ..                              | 23739        | 20 Nov. ..     | 7        | 23 Jan., 1908.* |
| Measured-charge delivery-device ..                                                                                                                       | W. McEachern .. .. .                                       | 22396        | 6 Feb. ..      | 2        | 9 Jan., 1908.   |
| Mechanical cutter for flexible materials..                                                                                                               | R. J. Brunt, P. V. Sharp, and J. Burns                     | 23650        | 29 Oct. ..     | 2        | 9 Jan., 1908.*  |
| Metal. (See Sheet-metal.)                                                                                                                                |                                                            |              |                |          |                 |
| Metal and concrete wall-construction ..                                                                                                                  | C. Rosegger .. .. .                                        | 23724        | 13 Nov. ..     | ..       | ..              |
| Metal, Moulding and casting .. ..                                                                                                                        | J. B. Shacklock .. .. .                                    | 23370        | 23 Aug. ..     | 95       | 31 Oct.         |
| Metal-plate, Upsetting edges of ..                                                                                                                       | G. and C. Hoskins, Limited ..                              | 23772        | 26 Nov. ..     | 7        | 23 Jan., 1908   |