

CLASSIFIED SUBJECT LIST OF INVENTIONS, ETC.—*continued.*

Typewriter; International Typewriter Company; 25511; 2nd February.
 Typewriter; M. W. Hazen; 26742; 14th October.
 Typewriter; O. Petermann; 26879; 10th November.
 Ticket-printing device; H. Quertier; 26384; 7th August.
 Typograph; Ludlow Company; 26768; 20th October.
 Typographical machine, magazine for; A. H. Pollen, J. G. Holbourn, and W. Fletcher; 25662; 18th March, 1908.†

Class—Pumps and Sprayers.

Centrifugal-pump; C. F. Pulley; 26800; 27th October.
 Centrifugal-pump; W. Day; 27018; 7th December.
 Kerosene-pump; A. Cates; 26611; 15th September.
 Kerosene-syphon; L. G. Grace; 25454; 16th January.
 Liquids, drawing off, from tins; G. G. Holmes; 26781; 22nd October.
 Nozzle for hose. (See Spraying-nozzle.)
 Pump; H. W. H. James; 25753; 29th March.
 Pump; J. Milburn; 26926; 18th November.
 Pump, screw-; E. S. Bennett and E. E. Burlingame; 27099; 23rd December.
 Pump, direct acting; J. Hutchings; 26248; 19th July.
 Pump-valve; P. Brenner and O. Hoffmann; 27047; 31st December, 1908.†
 Siphon and pump; L. G. Grace; 26676; 4th October.
 Spray-pump and nozzle; J. Carter; 26893; 10th November.
 Sprayer-tank; B. F. Cranwell; 26615; 15th September.
 Spraying-nozzle; J. Milburn; 26927; 18th November.
 Spraying-nozzle; J. Milburn; 26926; 18th November.
 Spraying-nozzle for hose; G. Olney; 26849; 4th November.
 Vacuum-controller, automatic; R. C. Gardner; 26245; 16th July.
 Vacuum-pump; A. W. Reid; 26419; 13th August.
 Vacuum-pump; C. W. Nance; 26803; 27th October;
 Vacuum-pump; F. W. Okey and J. Rollo; 26863; 4th November.
 Vacuum-pump; W. H. Lawrence and R. Kennedy; 27001; 6th December.
 Vacuum-pump, hydraulic; T. H. Gillman and L. G. Grace; 25419; 7th January.
 Vacuum-pump, hydraulic; L. G. Grace and T. H. Gillman; 25840; 14th April.
 Water-sprayer or sprinkler; W. T. Hall and J. E. Wheeler; 26209; 8th July.

Class—Racecourse Accessories.

Race-starting apparatus; F. E. Higgins; 26931; 20th November.

Class—Railways and Tramways.

Axle, railway-vehicle; Monk and Maguire; 25543; 10th February.
 Brake; E. de Cossey and J. Williams; 26244; 12th July.
 Brake, air; F. W. Payne; 25928; 7th May.
 Brake, air-, railway; N. C. Christie and W. Henderson; 25648; 3rd March.
 Brake, air-, railway; the Powers Railway Safety Appliance Company, Limited; 25826; 13th April.
 Brake-apparatus, fluid-pressure; J. W. Cloud; 26436; 27th August.
 Brake-apparatus, railway; N. C. Christie and W. Henderson; 25632; 1st March.
 Brake-block, removable device; D. F. B. Brown; 25608; 26th February.
 Brake, electric; the British Westinghouse Electric and Manufacturing Company, Limited; 25788; 6th April.
 Brake-pipe coupling; G. A. Pearson; 25620; 1st March.
 Brake-pipe coupling; W. H. Boyens and T. Gore; 25858; 22nd April.
 Brake-signal; N. C. Christie and W. Henderson; 26129; 22nd June.
 Brake, tram-car; J. N. Griffin; 26426; 12th August.
 Buffer, tram-car; J. Gilmour; 25952; 15th May.
 Collisions, preventing; A. R. Angus; 25884; 8th May, 1908.†
 Collisions, preventing; A. R. Angus; 27003; 6th December.
 Coupling, automatic; J. P. Carmine; 25517; 3rd February.
 Coupling, railway-vehicle; W. J. Price and D. I. Bridge; 26507; 4th September, 1908.†
 Coupling, railway-vehicle; P. Brady and R. Kennedy; 26539; 7th September.
 Dust-preventer; A. H. Cranwell; 25949; 11th May.
 Dust-preventer; A. H. Cranwell; 25950; 11th May.
 Interlocking signal; C. Dutton, and McKenzie and Holland, Limited; 26945; 12th January.†
 Lifeguard. (See Tram-car safety appliance).
 Points, railway, &c., operating; A. Gardner; 26930; 19th November.

Points, tramway operating; A. N. Barrett and H. G. Finerty; 26680; 4th October.
 Rail-cleaner. (See Tram-rail cleaner.)
 Rail-dressing machine; M. Woods and T. J. Gilbert; 26993; 3rd December.
 Rail-joint; J. Geary; 25541; 9th February.
 Rail-joint; G. Cowdery; 25854; 26th June, 1908.†
 Rail support and fastener; G. Gates; 25885; 28th April.
 Rail, railway, &c.; S. Graham; 26090; 15th June.
 Rail, steel, working; W. S. Potter; 25628; 3rd March.
 Railway-car running-gear; A. R. Angus; 25706; 18th March.
 Railway spittoon-cleaner and draught-preventer; W. E. Gladstone; 25703; 16th March.
 Semaphore-signal; E. J. Walsh; 26704; 11th October.
 Signal. (See Brake-signal; Semaphore-signal; Interlocking-signal.)
 Staff system. (See Tablet system.)
 Supports for animals; E. H. A. Lambert; 26243; 14th July.
 Tablet-system apparatus; R. A. Walker and N. C. Christie; 26626; 20th September.
 Tablet-system exchanger; W. Clark; 25796; 7th April.
 Tram-car safety appliance; H. H. Bach; 26205; 6th July.
 Tram-car safety appliance; W. R. Bruce and F. Coutts; 26351; 8th August, 1908.†
 Tram-car safety appliance; C. H. Whatman; 26636; 21st September.
 Tram-car safety appliance; H. F. Chaffey; 26939; 19th November.
 Tram-rail cleaner; R. S. Haughton; 25893; 29th April.
 Tram-rail cleaner; T. A. Wells, G. L. Hooper, and W. J. Monkhouse; 26593; 15th September.
 Tram-rail cleaner; H. Fisher; 27024; 9th December.
 Trolley-head controller; C. J. Wilkinson; 26315; 28th July.
 Trolley-pole controller; J. S. Douglas; 25596; 24th February.
 Trolley-pole and trolley-head; E. F. Jones and A. G. Fell; 26156; 30th June.
 Trolley-wheel; W. G. T. Goodman and W. Keon; 26948; 24th November, 1909.
 Trolley-wheel guard; E. F. Jones; 25790; 6th April.

Class—Roads and Ways.

Channel and gutter cleaning; G. G. Turri; 26767; 20th October.
 Dust-preventer; A. H. Cranwell; 25949 and 25950; 11th May.
 Road-sweeper; C. T. Scoringe; 26916; 16th November.
 Stone-gathering machine; T. Brown; 26272; 22nd July.

Class—Seed-dressing, Chaff-cutting, and Threshing.

Bag-filler; M. B. Peck; 26354; 4th August.
 Bag-holder for chaff-cutter; D. Kay; 26136; 24th June.
 Cavings, removing. (See Threshing-machine, &c.)
 Chaff-cutter feed; J. Thomas; 26131; 22nd June.
 Chaff-cutter feed; J. L. Smith; 26951; 24th November.
 Chaff-cutter-knife sharpener; F. G. Gibbs and W. Bowman; 25666; 10th March.
 Chaff-cutter-knife sharpener; F. G. Gibbs and W. J. Bowman; 26049; 9th June.
 Chaff-cutter-knife sharpener; E. Turpin; 26348; 4th August.
 Chaff-cutter safety device; H. Wallace; 26101; 17th June.
 Grass-seed stripper. (See Seed-stripper).
 Riddle; T. Hamilton; 26489; 24th August.
 Seed cleaner and separator; J. Hanna; 25780; 31st March.
 Seed, &c., mixer; F. W. Engelbrecht; 26246; 17th July.
 Seed grader and cleaner; T. Latham; 26423; 14th August.
 Seed-stripper; F. W. Ockerby; 26511; 2nd September.
 Seed-stripper; E. Morrison; 27085; 21st December.
 Seed-stripper and dresser; E. H. Brooker; 25482; 23rd January.
 Seeds, preparing for planting; A. L. Smith; 25755; 27th March.
 Threshing-machine; F. W. Ockerby; 26403; 11th August.
 Threshing-machine, cavings-remover; S. J. G. Douglas and W. J. Shepherd; 25657; 8th March.

Class—Seed-sowers.

Hoe-support for drill; J. Thomas; 26132; 22nd June.
 Manure-distributor; W. Aston; 25606; 24th February.
 Manure-sower; H. W. Smith; 26282; 24th July.
 Potato-planter; M. Hurley; 26230; 13th July.
 Potato-planter; T. Balfour; 27050; 16th December.
 Seed-sowing attachment to cultivator; R. Reyburn; 26663; 29th September.