

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

Liquids, forcing and raising; H. A. Humphrey; 30560, 30th September.  
 Liquid-pump, internal-combustion; E. B. Baddock; 29716, 16th June, 1910.†  
 Oil-engine and vacuum pump; W. Andrews and A. W. Beaven; 28951, 5th January.  
 Oil, &c., engine; A. C. Baird; 29115, 9th February.  
 Oil, &c., engine; W. H. Livens; 29476, 29th April.  
 Oil-gas motor; J. E. Friend; 29711, 12th June.

**Class—Engines (Steam), including Rotary Pumps.**

Governor; A. C. Robertson, A. C. Murray, and W. W. Smith; 28987, 12th January.  
 Governor; F. Tanner; 29275, 24th November, 1910.†  
 Governor; W. C. Napier; 29319, 23rd March.  
 Governor; J. McIlvenna; 29909, 21st July.  
 Governor; The Robertson Marine-engine Brake Company, Limited; 30471, 8th November.  
 Packing (for piston-rod, &c.); G. H. Robinson and C. A. Beldam; 28952, 22nd January, 1910.†  
 Packing-ring; D. M. Gillies; 30086, 25th August.  
 Pump and motor (rotary); H. S. Hele-Shaw and F. L. Martineau; 29596, 23rd May.  
 Rotary engine; E. J. M. Madero; 29135, 15th February.  
 Rotary engine; A. L. J. Tait; 29205, 2nd February.  
 Rotary engine; T. H. Lindley and H. Schreier; 29211, 28th February.  
 Rotary engine; E. J. Bridgman; 29806, 30th June.  
 Rotor; R. M. Waugh and A. J. Bedford; 29586, 19th May.  
 Spark-arrester; W. McPherson; 29404, 12th April.  
 Spark-arrester; W. Manser; 29564, 18th May.  
 Spark-arrester; P. E. Cunningham, R. Reid, and V. M. Fitzhugh; 29715, 13th June.  
 Spark-arrester; J. W. H. Fredric, J. H. Butcher, and P. W. Willson; 30045, 18th August.  
 Spark-arrester; G. D. Gow; 30179, 6th September.  
 Spark-arrester; J. A. Hill; 30185, 11th September.  
 Spark-arrester; P. E. Cunningham and R. H. P. Reid; 30523, 22nd November.  
 Steam-engine, speed-recording; A. C. Robertson, A. C. Murray and W. W. Smith; 28987, 12th January.  
 Steam-engine, speed-recording; The Robertson Marine-engine Brake Company, Limited; 30471, 8th November.  
 Steam-jet silencer; C. Cooper; 29120, 13th February.  
 Steam-propulsion; H. K. McDougall; 29662, 31st May.  
 Turbine; A. C. Baird; 29210, 1st March.

**Class—Engines (Miscellaneous).**

Aerial-propeller feathering; J. Anderson; 30024, 18th August, 1910.†  
 Aerial-propeller feathering; J. Anderson; 30537, 18th March.†  
 Belt-fastener; E. R. Godward; 29332, 27th March.  
 Belt-fastener; F. Kerby; 30207, 13th September, 1910.†  
 Belt (cycle, &c., driving); E. Stace; 30113, 30th August.  
 Belt (machinery); R. T. Grooby; 29800, 30th June.  
 Belt-transmission; H. T. Parry; 29278, 15th March.  
 Clutch; W. Scott; 30237, 20th September.  
 Clutch; A. E. Humphries; 30673, 28th December.  
 Crank-extension; C. S. Bayley; 29383, 5th April.  
 Current-motor; Current Motor Company; 29869, 14th July.  
 Extension-crank; C. S. Bayley; 30069, 21st August.  
 Feathering wind-sails, &c.; J. Anderson; 30024, 18th August, 1910.†  
 Feathering wind-sails, &c.; J. Anderson; 30537, 18th March.†  
 Friction appliance; F. Berendsen; 29109, 9th February.  
 Friction-clutch; W. Scott; 30237, 20th September.  
 Friction-driven mechanism; J. F. Wilson; 30284, 29th September.  
 Hydraulic machine; R. P. Stewart; 30445, 1st November.  
 Hydraulic transmission apparatus; H. S. Hele-Shaw and F. L. Martineau; 30213, 14th September.  
 Internal-combustion engine driving-power equalizer; J. J. Raynes; 29823, 5th July.  
 Mask for toothed wheel; T. F. Broadfield; 29073, 1st February.  
 Motor and pump; H. S. Hele-Shaw and F. L. Martineau; 29596, 23rd May.  
 Motor and pump (milk, &c., elevating); J. Hurle and A. B. Robertson; 29492, 29th April.  
 Multiple-speed mechanism; J. F. Wilson; 30284, 29th September.  
 Pelton-wheel bucket; B. de B. Gates; 30397, 18th October.  
 Perpetual-motion apparatus; F. N. Jacomb; 30601, 13th December.  
 Power-storing by springs; W. Aitken; 29264; 14th March.  
 Power-transmission mechanism; G. Westinghouse; 29545, 16th May.

Pump and motor; H. S. Hele-Shaw and F. L. Martineau; 29596, 23rd May.  
 Pump and motor (milk, &c., elevating); J. Hurle and A. B. Robertson; 29492, 29th April.  
 Roller-bearing; Collett and Son, Limited; 29634, 30th May.  
 Rubber rope and tyre jointing; J. C. and H. H. Burton; 29495, 4th May.  
 Speed driving-gear; C. J. Law; 29342, 29th March.  
 Synchronizing-apparatus; E. S. Donisthorpe; 29414, 19th April.  
 Variable gear (toothed); T. Foster; 30038, 15th August.  
 Variable speed-gear; G. T. Cavill; 28954, 6th January.  
 Variable speed-gear; A. R. Bannister and T. G. Johns; 29970, 31st July.  
 Variable speed-gear; A. F. Bronner and A. A. Quick; 30124, 31st August.  
 Water-mill; W. S. Logan; 30301, 4th October.  
 Water-motor; E. T. C. Firth; 28996, 11th May.  
 Water-power developer; H. H. Shaw; 30222, 14th September.  
 Water-wheel; W. C. R. Cantelin; 29952, 2nd August.  
 Windmill; E. Hayes; 30597, 4th December.  
 Wind-motor; E. T. C. Firth; 28996, 11th May.  
 Windmill-gearing; Booth, Macdonald, and Company, Limited; 29826, 6th July.  
 Wind-sail feathering; J. Anderson; 30024, 18th August, 1910.†  
 Wind-sail feathering; J. Anderson; 30537, 18th March.†

**Class—Explosives and Firearms.**

Blasting-charge; A. Kowastch; 30416, 26th October.  
 Cartridge; W. Meyer; 30529, 22nd November.  
 Explosive; B. J. Flurseheim; 29101, 17th February, 1910.†  
 Explosive-compound; G. W. Davies; 29516, 9th May.  
 Fume-destroying composition; Globe Chemical Works; 29690; 7th June.  
 Military equipment; Mills Equipment Company, Limited; 29917, 25th July.  
 Projectile (ordnance); J. A. Hill; 29363, 4th April.  
 Projectile-firing; F. Sewell; 29938, 28th July.  
 Propulsive explosives, manufacture and handling; Birmingham Metal and Munitions Company and J. H. Barker; 29445, 26th April.  
 Rifle-bucket; T. W. Ryan; 29867, 14th July.  
 Rifle-cleaner; W. P. J. Long; 31370, 14th October.  
 Rifle-range; A. N. Whitney; 28943, 4th January.  
 Sight, gun; F. H. Andrews; 29324, 29th May.  
 Target; A. N. Whitney; 28943, 4th January.  
 Target; S. B. Forscutt; 29036, 9th February.  
 Target; B. Mansfield and C. C. E. Barnard; 30505, 16th November.

**Class—Exterminating (including Traps for Animals).**

Blight-destroying; F. H. Lambert; 29789, 28th June.  
 Blight-destroying; E. M. Clayton; 29898, 21st July.  
 Decoy for game-shooting; A. E. Norric; 29508, 5th May.  
 Fly-catcher; A. G. Armstrong; 30393, 11th October.  
 Fungicide; W. F. K. Stock; 29410, 29th April, 1910.†  
 Insecticide; W. F. K. Stock; 29410, 29th April, 1910.†  
 Noxious weeds. (See Weeds.)  
 Peg, shackle; W. P. S. MacGregor; 29585, 19th May.  
 Shackle-peg; W. P. S. MacGregor; 29585, 19th May.  
 Trap, animal; R. Stopford and J. E. Owen; 28991, 13th January.  
 Trap, animal; W. Wallace; 29104, 7th February.  
 Trap, animal; H. L. Worthington; 29635, 30th May.  
 Trap, animal; W. Fitzgerald; 29692, 7th June.  
 Trap, animal; C. J. Cooze; 29739, 19th June.  
 Trap, animal; H. L. Mainland; 29936, 26th July.  
 Trap, bird; J. H. Clarke; 29673, 5th June.  
 Weed-destroyer; W. H. Harrison; 29835, 7th July.  
 Weed-destroyer; C. W. R. Suisted; 30574, 29th November.  
 Weed eradicating and using; H. G. Daikee, 29875, 17th July.

**Class—Fencing.**

Attaching wire; G. E. Cluett; 30078, 24th August.  
 Attaching wire; W. Clarkon; 30290, 2nd October.  
 Attaching wire; J. East; 30426, 28th October.  
 Batten; A. Drake; 29780, 24th June.  
 Batten; W. Poreh; 30142, 1st September.  
 Dropper; J. Grant; 29066, 30th January.  
 Dropper; J. Hollebon; 29247, 10th March.  
 Dropper; G. E. Cluett; 30078, 24th August.  
 Dropper; E. W. Gowdy; 30094, 25th August.  
 Dropper; W. Dall; 30244, 20th September.  
 Dropper; J. East; 30426, 28th October.  
 Dropper; F. McPherson; 30455, 3rd November.  
 Dropper; H. Butters; 30657, 22nd December.  
 Fastening. (See Attaching.)