

CLASSIFIED SUBJECT LIST OF INVENTIONS, ETC.—*continued.**Engines (Air, Gas, and Oil).*

Compressor; P. Ellis; 24840; 26th August.
 Explosive engine; G. T. Girdler; 24075; 29th February.
 Explosive engine; J. E. C. Brown; 25046; 9th October.
 Fluid-pressure and suction motor; G. F. Hutchinson; 24730; 27th July.
 Hot- and cold-water attachment to engine; W. H. Blackham; 24769; 7th August.
 Hot-air motor and compressor; C. H. Stuart and C. S. Snell; 24528; 16th June.
 Internal-combustion engine; E. Coulson; 24161; 23rd March.
 Internal-combustion engine; W. H. Trengrove; 25215; 12th November.
 Oil-engine. (See Internal-combustion engine.)
 Oil-tank filler; C. F. Gardner; 24026; 17th February.

Engines (Steam), including Rotary Pumps.

Ejector-governor; W. H. Blackham; 25310; 9th December.
 Exhaust, utilising, for heating liquids; P. A. and C. W. Le Maquand; 24860; 31st August.
 Governor. (See Ejector-governor.)
 Locomotive-driving gear; J. Shepherd and A. Cederman; 24579; 29th June.
 Motor; K. B. Kristensen; 24766; 6th August.
 Oil-separation in engine; D. Speirs; 24295; 14th April.
 Packing; R. Klinger; 23833; 3rd January.
 Packing; P. Brandt; 25198; 11th November.
 Piston; H. V. Johansen; 24366; 4th May.
 Racing of engines, preventing; P. S. Irwin; 25040; 6th October.
 Racing of engines, preventing; C. S. Beilby; 25221; 6th November.
 Rotary engine; F. Lennard; 25195; 12th December, 1907.†
 Rotary engine; T. H. Austin; 24382; 9th May.
 Rotary engine and pump; The Pittler Universal Rotary Machine Syndicate, Limited; 24484; 4th June.
 Rotary pump; A. E. Luttrell and E. P. Hosch; 24482; 4th June.
 Rotary pump; J. L. Hanman; 24819; 20th August.
 Rotary pump; F. Lamplough, L. F. M. de Peyrecave, and Thomas Evans and Son (Poplar), Limited; 25197; 11th November.
 Rotary pump; H. R. Smith; 25220; 13th November.
 Spark-arrester; R. Tacon; 24066; 28th February.
 Spark-arrester; W. Aston; 24407; 19th May.
 Spark-extinguisher; E. Hope; 24858; 31st August.
 Turbine; J. E. Friend; 24023; 19th February.
 Turbine; J. Marks; 24143; 13th March.
 Turbine; J. Shepherd and A. Cederman; 24522; 15th June.
 Turbine; J. Marks; 24657; 11th July.
 Turbine; J. F. Brady; 24818; 20th August.
 Turbine; A. Cederman and J. Peake, jun.; 24974; 25th September.
 Turbine; J. Shepherd and T. Palmer; 25156; 22nd October.
 Turbine; C. A. Parsons; 25402; 30th December.

Engines (Miscellaneous) and Engine Accessories.

Air-compressor. (See Tide motor or compressor.)
 Air-current motor. (See Windmill.)
 Band-gearing roller-grip; B. and W. Trehwella; 25061; 9th October.
 Bearings for bevel gear; De Dion Bouton (1907), Limited; 25397; 30th December.
 Bearings for shafting; L. W. Grayson; 24410; 20th May.
 Clutch; J. A. Whitman; 24722; 22nd July.
 Clutch; W. Seifert; 24742; 30th July.
 Clutch, friction; G. and D. Gilberd; 25337; 17th December.
 Current-motor pontoon. (See Pontoon.)
 Current-turbine. (See Water wheel or motor.)
 Differential gear. (See Variable gear.)
 Driving-belt and pulley; J. Wilson and J. Hilford; 25336; 9th December.
 Driving-gear; E. W. Coleman; 25133; 28th October.
 Friction clutch. (See Clutch.)
 Gearing roller-grip. (See Band-gearing roller-grip.)
 Gear-train toothed pinion; B. and W. Trehwella; 25062; 9th October.
 Packing for hydraulic machine; P. Brandt; 25198; 11th November.
 Packing for stuffing box, &c.; R. Klinger; 23883; 3rd January.
 Pawl and ratchet mechanism; B. and W. Trehwella; 25063; 9th October.
 Pelton wheel. (See Water-motor, Pelton wheel.)
 Pinion-gear. (See Gear-train.)

Pontoon for current-motor; H. Morgan; 24610; 29th June.
 Pontoon for current-motor; W. Carr; 24911; 9th September.
 Power-transmitting device; G. W. Mascoed; 24659; 14th July.
 Power-transmitting device; W. Carr and A. Spooner; 25138; 26th October.
 Power-transmitting device; J. M. Madden; 25394; 29th December.
 Pump and motor; R. Spoendlin; 24243; 9th April.
 Reciprocating motion, producing; C. V. Boys and J. W. Tierney; 25312; 9th December.
 Reversible and variable gear; G. P. Innes and T. C. Allen; 24207; 2nd April.
 Roller-grip for band-gearing. (See Band-gearing, &c.)
 Shafting-bearings. (See Bearings.)
 Solar motor; F. Shuman; 24934; 17th September.
 Tide and current motor; G. E. Cross; 25322; 9th December.
 Tide and wave motor; M. Saunders; 24259; 11th April.
 Tide motor or compressor; D. M. Brooks; 25276; 27th November.
 Turbine, air-current. (See Windmill.)
 Turbine, water-current. (See Water-wheel, &c.)
 Variable and reversible gear. (See Reversible gear, &c., above.)
 Variable gear; G. T. and H. H. Stewart; 25258; 24th November.
 Variable gear; H. A. H. Salomo; 25271; 26th November.
 Variable pulley; G. T. and H. H. Stewart; 25356; 19th December.
 Water wheel or motor; F. W. Payne; 23897; 4th January.
 Water wheel or motor; J. A. Milne and H. Morgan; 23948; 28th January.
 Water wheel or motor; F. W. Payne; 23983; 4th February.
 Water wheel or motor; W. Morton; 24973; 23rd September.
 Water wheel or motor; G. E. Cross; 25322; 9th December.
 Water wheel or motor; W. Carr and A. E. Spooner; 25333; 8th December.
 Water-motor, Pelton-wheel; C. G. McKellar; 24052; 24th February.
 Wave-motor; W. Snee; 24386; 12th May.
 Wave or tide motor; M. Saunders; 24259; 11th April.
 Windmill; C. Murnane; 23940; 29th January.
 Windmill; J. de Irbien; 25105; 21st October.
 Windmill; T. R. Clow; 25218; 10th November.

Explosives, Firearms, and Targets.

Explosive; W. H. Palmer; 24371; 8th May.
 Explosive; B. E. D. Kilburn; 24527; 16th June.
 Gun-discharge silencer; Maxim Silent Fire Arms Company; 25373; 23rd December.
 Magazine rifle; A. W. Rogers; 24937; 17th September.
 Rifle carrying-attachment; S. F. Crocker; 24555; 8th July, 1907.†
 Target; F. H. James; 24762; 4th August.
 Wind-gauge and vernier elevator; W. J. C. Downey; 24578; 10th July, 1907.†

Exterminating and Trapping Animals.

Animal-trap. (See Trap.)
 Gas, visible for testing; F. S. Greer; 24711; 6th April.†
 Gas, poisonous, destroying by. (See Fumigating, &c., apparatus.)
 Fumigating apparatus, composition, &c.; T. Bolton; 23705; 16th January.
 Fumigating-apparatus, composition, &c.; B. Baruschke and G. M. Jenckel; 23971; 5th February.
 Fumigating-apparatus composition, &c.; W. Tyree; 24016; 6th September, 1907.†
 Fumigating-apparatus composition, &c.; W. Tyree; 24031; 25th October, 1907.†
 Fumigating-apparatus composition, &c.; B. Locking; 24530; 16th June.
 Fumigating-apparatus composition, &c.; F. S. Greer; 24712; 9th April.†
 Fumigating-apparatus composition, &c.; J. H. Grant; 25030; 7th October.
 Fumigating-apparatus composition, &c.; W. T. Hitchen; 25237; 19th November.
 Fumigating-apparatus composition, &c.; B. Locking; 25250; 21st November.
 Mouse, &c., trap. (See Trap.)
 Poison-gas generator. (See Fumigating, &c.)
 Thistle-destroying. (See Weed-destroying.)
 Trap, animal; W. Beamish; 24010; 15th February.
 Trap, animal; C. G. White; 24292; 15th April.
 Trap, animal; W. Beamish; 25287; 28th November.
 Trap, mouse and rat; J. Stephens; 24197; 31st March.