

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Fermentation of liquids	G. Johnston and P. R. Hare	17795	4 May, 1903†	..	..
Fermentation, Production of lactic	J. A. Gilruth	17940	23 May ..	49	9 June.*
Fibre-cleaner	W. Youlten	18065	21 June ..	62	21 July.*
Fibre dressing and washing	A. L. J. Tait	17683	22 March ..	36	28 April.
File, Newspaper, and advertising-exhibitor	A. Divine	17964	25 May ..	..	..
Filter	G. Moore	18099	30 June ..	62	21 July.
Filter-bed, Distributing sewage over	J. P. Frengley	17782	14 April ..	36	28 April.*
Filter for slimes, Pressure-	W. A. Pritchard	18044	15 June ..	62	21 July.
Fire-alarm and temperature-indicator	J. Gallagher	17996	4 June ..	..	..
Fire-bar	D. McMurrich	17853	29 April ..	45	26 May.
Fire-bridge for steam-boiler	J. Eckersley and W. Cable	18051	16 June ..	59	7 July.*
Fire-extinguisher	J. H. Hodge and I. Zlotkowski	17807	20 April ..	45	26 May.
Fire kindler	E. T. Flood	17937	1 June ..	54	23 June.*
Fireproof, Making paper	C. Grosvenor	18014	6 June ..	54	23 June.*
Flanging drain-pipe	R. O. Clark, jun.	17932	17 May ..	..	..
Flanging earthenware pipe	A. J. Lindsay	18057	18 June ..	59	7 July.*
Flax, Chemical process for treating	J. Watson and W. Mackay	17906	11 May ..	45	26 May.*
Flax, Machinery for treating	J. Pomeroy	18110	29 June ..	62	21 July.*
Flax washer and scraper	C. E. E. Smith	17973	27 May ..	49	9 June.*
Flooring	J. G. F. Lund	17741	6 April ..	42	12 May.
Flooring-cramp	T. M. Dean and J. Harris	17831	25 April ..	42	12 May.*
Flower-pot	A. J. Eggleton	17858	25 April ..	45	26 May.
Flue, Double-circular, for register-grate	G. Ross	16537	1 July, 1903	36	28 April.
Fluid-pressure turbine	W. E. Hughes	17778	14 April, ..	42	12 May.
Flush-tap for water-closet	T. W. May	16600	8 July, 1903	45	26 May.
Flusher for water-closet	T. W. May	17944	19 May ..	49	9 June.*
Food, Apparatus for steaming animals'	W. J. Roebuck	18071	22 June ..	59	7 July.*
Food-mixer	W. V. Paley and T. H. Bussey	17720	31 March ..	36	28 April.
Football, Table-	A. W. Ford	18035	15 June ..	54	23 June.*
Forage, preparatory to compressing, Treating	T. H. Mapp	17734	5 April ..	36	28 April.
Fountain-pen, Self-filling	J. McCombs	18004	6 June ..	54	23 June.*
Franking-machine	R. Wales	17822	21 April ..	42	12 May.*
Franking-machine, Coin-actuated	R. Wales	17860	26 April ..	42	12 May.*
Franking-machine, Coin-freed	E. Moss	18070	20 June ..	59	7 July.*
Friction-gearing	W. E. Hughes	16719	31 July, 1903	49	9 June.
Friction-gearing	W. E. Hughes	16720	31 July, 1903	49	9 June.
Friction-gearing for motor-cars, &c.	E. Bergmann	17992	1 June ..	59	7 July.
Fruit cleaner, Dried-	S. Mintrom	17827	25 April ..	42	12 May.*
Fuel-economiser and smoke-consumer	G. J. Cartwright	17945	25 May ..	54	23 June.
Funnel, Feeding-	H. Jerger and A. Joyce	17873	2 May ..	..	..
Furnace	White-Mylin Furnace Company	17800	19 April ..	45	26 May.
Furnace for burning cement	G. Gröndal	17842	27 April ..	45	26 May.
Furnace. (See Gas-furnace, Water-tube furnace.)					
Furniture, Window-	A. S. Coronel	17383	17 Dec., 1903	36	28 April.
Gambrel	A. Kilckmann and R. Thomson	17796	18 April ..	45	26 May.*
Game. (See Parlour-game, Table-cricket, Table-football.)					
Game, Apparatus for playing	A. Svenson	18000	7 June ..	59	7 July.
Gas-furnace	F. Cotton	16619	8 July, 1903	42	12 May.
Gas, Making producer and water	E. S. Baldwin and H. H. Raymond	17961	26 May ..	..	..
Gear. (See Driving-gear.)					
Gearing. (See Friction-gearing.)					
Generator for locomotive-engine	The New Century Engine (Foreign Patents) Company, Limited	17769	13 April ..	45	26 May.
Generator. (See Acetylene-gas generator, Electric generator, Power-generator.)					
Go-cart	W. Hale	17719	31 March ..	36	28 April.
Gold-dredging appliance	H. L. Mainland	17998	2 June ..	59	7 July.
Gold, Extracting, from ores	H. S. Stark	17905	9 May ..	49	9 June.
Gold, Extracting, from ores	O. L. Olden and P. V. Barnard	17810	21 April ..	..	..
Gold-saving matting	C. R. Hubbard	17854	25 April ..	42	12 May.*
Gold, Separating, from cyanide precipitates	H. L. Read	18077	23 June ..	59	7 July.*
Golf-club	L. W. Alexander	17736	28 March ..	36	28 April.*
Granulating soap, Apparatus for	The Hygienic Soap Granulator Company, Limited	17528	9 Feb. ..	49	9 June.
Grate	A. R. Hardy	17784	12 April ..	36	28 April.*
Grate, Register-, Flue for	G. Ross	16587	1 July, 1903	36	28 April.
Grub-destroying preparation, "White Pine"	H. H. Montgomery and A. Masters	18001	7 June ..	59	7 July.
Gum from tapped trees, Catching	A. J. McPharlin	16879	28 Aug., 1903	36	28 April.
Gum. (See also Kauri-gum.)					
Gun-barrel cleaner	A. Svenson	18031	13 June ..	54	23 June.*
Gun, Means for counteracting recoil in	McClellan Arms and Ordnance Company	17801	19 April ..	45	26 May.
Guttering of candles, Preventing	T. A. Nash	17826	25 April ..	42	12 May.*
Hair-curler	W. Hinchey	18080	23 June ..	59	7 July.*
Hairpin	F. Dovalosky	17927	17 May ..	49	9 June.*
Hairpin	F. Dovalosky	18105	28 June ..	59	7 July.*
Hammock	E. D. Richards	17893	11 May ..	45	26 May.*
Hand-shears	J. H. Harrison and W. M. McIlwrick	17894	11 May ..	45	26 May.*