

ALPHABETICAL LIST OF INVENTIONS—*continued.*

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Extension-table .. .. .	L. Kortlang, sen., and A. Kortlang	15775	17 Dec., 1902	33	30 April.
Extinguisher. (See Candle-extinguisher, Fire-extinguisher.)					
Eyeglass-suspender .. .. .	A. H. Brownley .. .. .	16544	22 June ..	57	9 July.*
Fabric, Indigo-coloured .. .. .	J. Ribbert .. .. .	16206	8 April ..	33	30 April.
Fastener, Adjustable, for animal-rugs .. .. .	J. Oaten .. .. .	16369	13 May ..	47	11 June.
Fastener for luggage-labels, &c. .. .. .	S. E. Denniston .. .. .	16438	5 June ..	47	11 June.*
Fastener. (See also Boot-fastener, Collar and cuff fastener, Hat-fastener, Legging-fastener, Paper-fastener, Sash-fastener, Shoe-fastener, Window-fastener.)					
Fastening. (See Horse and cow fastening, Trace-fastening.)					
Fastenings, Inserting .. .. .	United Shoe Machinery Company	15205	2 Aug., 1902	33	30 April.
Fatty acids and their esters, Manufacture	W. Connstein .. .. .	16407	29 May ..	47	11 June.
Feed for grain, turnips, &c. .. .. .	H. H. Denney .. .. .	16446	5 June ..	50	25 June.*
Feeder to sheep-dip, Traversing-	J. Coop .. .. .	16469	9 June ..	50	25 June.*
Felling tree by mechanical power .. .. .	P. H. Pritchett .. .. .	16273	24 April ..	37	14 May.*
Fencing-dropper .. .. .	R. A. Montgomerie .. .. .	16554	26 June ..	60	23 July.
Fencing-post, Making holes for .. .. .	G. Stevenson .. .. .	16188	4 April ..	29	16 April.*
Fencing-standard .. .. .	F. W. Bursill .. .. .	16464	10 June ..	50	25 June.*
Fencing-staple .. .. .	J. A. Rollo .. .. .	16247	16 April ..	33	30 April.*
Fibre of wool, Pulling out .. .. .	F. Wilkinson .. .. .	16257	22 April ..	33	30 April.*
File, wire-twister, and rule .. .. .	A. Gray .. .. .	15267	15 Aug., 1902	43	28 May.
Filter, Water- .. .. .	J. T. N. Anderson .. .. .	15756	11 Dec., 1902	43	28 May.
Firearms .. .. .	Winchester Repeating Arms Co.	16339	13 May ..	47	11 June.
Fire-escape .. .. .	J. E. Tonkin, C. Barnett, and T. D. Jones	16338	13 May ..	43	28 May.
Fire escape, extinguisher, and alarm .. .. .	A. Connor .. .. .	16473	8 June ..	50	25 June.*
Fire-escape .. .. .	I. Hurst .. .. .	16419	27 May ..	47	11 June.*
Fire-escape .. .. .	W. H. Keon and W. O. Miller	15261	15 Aug., 1902	50	25 June.
Fire-hose coupling .. .. .	S. de Beer .. .. .	16295	4 May ..	43	28 May.*
Fireplace, raising or lowering cooking-range	J. A. Fiddes .. .. .	16323	6 May ..	37	14 May.*
Fire-screen, window-blind, and ventilator	E. Walker .. .. .	16552	26 June ..	57	9 July.*
Fish-plate .. .. .	C. N. Scurr .. .. .	16270	24 April ..	37	14 May.*
Fish-plate .. .. .	J. Orbell .. .. .	16202	3 April ..	29	16 April.*
Fish-plate .. .. .	J. R. Park .. .. .	16491	11 June ..	50	25 June.*
Fish-plate, Preventing nut loosening on .. .. .	R. E. Pennington, J. Bellett .. .. .	15623	13 Nov., 1902	33	30 April.
Flag-signal staff, Automatic .. .. .	J. T. Short, T. F. Rotheram, and J. W. Shaw	16483	12 June ..	50	25 June.*
Flax, Dressing .. .. .	J. D. Smith .. .. .	16561	24 June ..	60	23 July.*
Flax-dressing machine .. .. .	W. H. Bentham .. .. .	16163	1 April ..	29	16 April.*
Flax-fibre manufacture .. .. .	B. C. Mudge .. .. .	16403	28 May ..	47	11 June.
Flax, Pulling out strands of .. .. .	F. Wilkinson .. .. .	16257	22 April ..	33	30 April.*
Flax-stripper drum truing-up .. .. .	J. Anderson .. .. .	15185	29 July, 1902	37	14 May.
Flue-damper .. .. .	W. Robertson .. .. .	16560	24 June ..	60	23 July.*
Fluid. (See Elastic fluid.)					
Fluids, Means of heating .. .. .	J. H. S. Brown .. .. .	15141	22 July, 1902	47	11 June.
Fluids with gas, Charging .. .. .	G. A. Lowry .. .. .	16569	30 June ..	60	23 July.
Flushing latrines, &c. .. .. .	J. L. Williams .. .. .	16164	30 Dec., 1902	37	14 May.
Food-preserving .. .. .	C. Beale .. .. .	15212	2 Aug., 1902	37	14 May.
Food-preserving .. .. .	J. T. Hunter .. .. .	16173	2 April ..	29	16 April.
Food-product .. .. .	D. R. S. Galbraith .. .. .	15368	6 Sept., 1902	50	25 June.
Food, Sterilising .. .. .	C. C. L. G. Budde .. .. .	16326	6 May ..	43	28 May.
Foot, Pneumatic .. .. .	J. Johnson .. .. .	15199	30 July, 1902	37	14 May.
Force-pump .. .. .	W. H. Boyens .. .. .	15242	11 Aug., 1902	50	25 June.
Forging and piercing machinery .. .. .	B. F. McTear and H. C. W. Gibson	16161	1 April ..	29	16 April.
Free-piston engine .. .. .	E. Phillips .. .. .	16400	28 May ..	50	25 June.
Friction-springs .. .. .	P. Hien .. .. .	15973	12 Feb. ..	47	11 June.
Fuel combustion .. .. .	C. E. Bernays .. .. .	16504	17 June ..	57	9 July.
Furnace, Larger consumption of carbon in	W. H. Atkin .. .. .	16379	20 May ..	47	11 June.
Galvanic boot-sole .. .. .	R. P. Gibbons .. .. .	16331	8 May ..	43	28 May.*
Galvanic plate for boots, &c. .. .. .	R. P. Gibbons .. .. .	16375	14 May ..	43	28 May.*
Game, Indoor, apparatus .. .. .	D. Gwillim .. .. .	15341	2 Sept., 1902	47	11 June.
Game, Indoor or parlour .. .. .	W. L. Cleveland .. .. .	16213	8 April ..	33	30 April.*
Game, Table- .. .. .	W. Dawson .. .. .	15458	1 Oct., 1902	37	14 May.
Garment, Band for .. .. .	R. Glendinning .. .. .	16272	22 April ..	37	14 May.*
Garments, Chart for ladies' .. .. .	M. E. McLeod .. .. .	16183	4 April ..	29	16 April.*
Gas. (See Hydrocarbon gas, Carbonic-acid gas.)					
Gas or explosive engine .. .. .	G. E. Hoyt .. .. .	16417	27 May ..	50	25 June.
Gas or vapour lamp, Electric .. .. .	Cooper-Hewitt Electric Company	16234	16 April ..	33	30 April.
Gas-producing plant .. .. .	F. E. Bowman .. .. .	16240	15 April ..	33	30 April.
Gas-stove .. .. .	"Secretary" .. .. .	16449	8 June ..	60	23 July.
Gas, Charging fluids with .. .. .	G. A. Lowry .. .. .	16569	30 June ..	60	23 July.
Gas-light controller .. .. .	H. Drouledge .. .. .	16530	18 June ..	57	9 July.
Gate-catch .. .. .	W. Seavill .. .. .	16478	8 June ..	57	9 July.*
Gate-hinge .. .. .	J. Cooper .. .. .	16516	16 June ..	60	23 July.
Gates. (See Swing-gates.)					
Gauntlet, Cycling .. .. .	E. Saxton .. .. .	15028	28 March ..	33	30 April.*
Gear for sheep-feeding rack .. .. .	F. Cooper .. .. .	16470	9 June ..	..	..