

ALPHABETICAL LIST OF INVENTIONS—*continued.*

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Door or lift.	W. E. S. Mackay, G. E. Howard, and J. A. Turner	19152	1 March ..	28	23 March.*
Door-grip	C. F. Sievwright	19068	11 Feb. ..	17	23 Feb.*
Door-latch	A. Day	19263	29 March ..	31	6 April.*
Draught-regulator for fire-grate	J. S. Bryant	19013	1 Feb. ..	17	23 Feb.*
Dredge	J. D. Douglas.. .. .	17879	3 May, 1904	22	9 March.
Dredge-bucket link-stay	J. McNeil	19168	6 March ..	31	6 April.
Dredge-bucket protector	R. R. Douglas	17139	24 Oct., 1903	6	26 Jan.
Dredge-roller protector	R. R. Douglas	17729	30 Mar., 1904	6	26 Jan.
Dredging machinery	F. Casey and E. W. Hubbard ..	18463	20 Sept., 1904	31	6 April.
Drill, Countersinking	J. Trevethick.. .. .	19089	13 Feb. ..	22	9 March.*
Drill. (See also Percussion drill, Rock- drill.)					
Drill for boring coal	J. Smith	19248	23 March ..	31	6 April.*
Driving-gear for cycle	J. R. Clement.. .. .	19208	15 March ..	31	6 April.*
Driving-gear for motor-vehicle ..	H. T. Hansen.. .. .	18912	5 Jan. ..	11	9 Feb.
Driving-gear for motor-vehicle ..	H. T. Hansen.. .. .	18913	5 Jan. ..	11	9 Feb.
Driving-reins	T. Higgin	19138	25 Feb. ..	..	..
Dry milk	J. R. Hatmaker	19111	21 Feb. ..	22	9 March.
Dry milk, Process of obtaining ..	J. R. Hatmaker	18960	27 Jan., 1904†	11	9 Feb.
Dust-laying composition	B. Singer	19024	2 Feb. ..	17	23 Feb.‡
Dust-extractor	J. M. Han. on.. .. .	19233	22 March ..	31	6 April.*
Earthenware pipes, Forming	J. E. Owen	19188	10 March ..	31	6 April.*
Effluent from filter-bed, Discharging	R. Harvey	19011	31 Jan. ..	..	..
Egg-beater	J. Peters	18964	11 Jan. ..	28	23 March.*
Egg-carrier	H. E. McDonald	18936	10 Jan. ..	6	26 Jan.*
Egg-carrier	R. Simmonds.. .. .	18739	14 Nov., 1904	11	9 Feb.
Egg-carrier	G. Renner and W. H. Boyens ..	18986	25 Jan. ..	11	9 Feb.*
Egg-preserver	H. E. McDonald	18935	10 Jan. ..	6	26 Jan.*
Egg-preserving process	H. E. McDonald	18702	4 Nov., 1904	11	9 Feb.
Electric arc lamp	E. R. Grote, M. V. Ely, and C. E. Foster	19154	12 Mar., 1904†	..	..
Electric belt	H. Dowling and E. D. J. Balfour..	18483	22 Sept., 1904	6	26 Jan.
Electric belt	W. C. Watson and E. I. Setchell ..	18694	31 Oct., 1904	11	9 Feb.
Electric belt and generator	T. H. Wootton	19122	5 Dec., 1904	22	9 March.
Electric belt, bracelet, and ring ..	A. Kohn	19055	8 Feb. ..	..	..
Electrical distribution	J. P. Campbell	18982	24 Jan. ..	17	23 Feb.
Electrical distribution	J. P. Campbell	19074	15 Feb. ..	22	9 March.
Electric switching-device for advertising	B. Sherman	19284	31 March ..	..	..
Electro-motor	C. E. D. Dunn	19212	17 March ..	31	6 April.*
Electrostatic separation	C. H. Huff	18958	13 Jan. ..	11	9 Feb.
Elevator-belt tension-regulator ..	A. Werner, W. G. Breach, and J. Fussell	17806	19 April, 1904	11	9 Feb.
Elevator, Hydraulic	J. H. Waigth	19098	18 Feb. ..	22	9 March.*
Emery grinding-attachment	J. L. Wilson	19184	3 March ..	31	6 April.*
Engine. (See also Direct-acting engine, Gas-engine, Marine engine, Oil-engine, Rotary engine.)					
Envelope	R. Coghill	19001	24 Jan. ..	..	..
Envelope and letter-sheet	A. Taylor	19009	28 Jan. ..	..	..
Excavating conveyor-bucket	G. F. Everton.. .. .	19041	8 Feb. ..	17	23 Feb.
Exhaust-valve	E. Richardson	17958	26 May, 1904	17	23 Feb.
Exit-door for theatre, &c.	J. A. Jagger	17672	18 Mar., 1904	22	9 March.
Explosive	Ammonal Explosives, Limited ..	18915	5 Jan. ..	11	9 Feb.
Explosive	J. Führer	18961	9 Feb., 1904†	..	..
Extension boot	W. H. Piper and A. E. Copley ..	18134	7 July, 1904	31	6 April.
Extract, Meat-	A. J. Miller	19123	23 Feb. ..	28	23 March.*
Eyelets, &c., Apparatus for arranging	United Shoe Machinery Company	18925	9 Jan. ..	6	26 Jan.*
Fastener. (See Breeching-strap fastener, Sash-fastener, Saw-handle fastener, Window-fastener, Wire-fastener.)					
Fastening for tickets in books	A. Wildey	19283	30 March ..	..	..
Fastening. (See Belt-fastening, Bottle- fastening, Brooch-fastening.)					
Fastening-inserting machine	United Shoe Machinery Company	19272	30 March ..	31	6 April.*
Fastening-machine	United Shoe Machinery Company	18926	9 Jan. ..	6	26 Jan.*
Fatty substances, Extracting, from meat	L. Rissmuller.. .. .	18932	10 Jan. ..	11	9 Feb.
Feeder, Fowl-	W. McKinnon	18950	12 Jan. ..	6	26 Jan.*
Feed mechanism for saw-benches ..	E. M. Edkins	19234	22 March ..	31	6 April.*
Fencing-standard	E. D. Bilham.. .. .	19134	25 Feb. ..	28	23 March.
File and ledger	A. Hopwood	19000	28 Jan. ..	11	9 Feb.*
File. (See also Letter-file, Newspaper- file.)					
Filter-bed, Discharging effluent from	R. Harvey	19011	31 Jan. ..	..	..
Filter. (See Water-filter.)					
Fire-alarm attachment to telephone ..	F. J. Farrell	18974	16 Jan. ..	11	9 Feb.*
Fire-bars, Tilting	W. Thow and W. H. Nisbet ..	19039	7 Feb. ..	17	23 Feb.
Fire-proof curtain	D. W. Adams.. .. .	19021	2 Feb. ..	17	23 Feb.
Flap valve for sewage-ventilator ..	J. T. N. Anderson	19102	17 Feb. ..	22	9 March.*
Flax-dressing, Portable apparatus for	J. T. Rodgers.. .. .	19107	20 Feb. ..	22	9 March.