

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Drawing glass	W. H. Waters	17526	5 Feb. ..	28	31 Mar.
Drawing off beer	J. Dunn	17654	11 Mar. ..	..	..
Drawing off liquid from vessel.. .. .	F. W. Smith	17578	26 Feb. ..	20	3 Mar.*
Dredge attachment	R. Andrews	17612	3 Mar. ..	..	..
Dredge-ladder-roller protector.. .. .	R. R. Douglas	17729	30 Mar. ..	31	14 April.*
Dredge tumbler	R. R. Douglas	17596	1 Mar. ..	28	31 Mar.
Drill, Lifting and turning	C. Simmons	17521	3 Feb. ..	..	..
Driving and gearing mechanism for cycle Driving-appliance. (See Grip driving-ap- pliance.)	A. W. Boon	17423	27 Jan., 1903	10	4 Feb.†
Drying apparatus for bricks, &c.	S. Selby	17482	20 Jan. ..	15	18 Feb.
Drying-machine	J. A. Merrett	17638	9 Mar. ..	..	..
Duplicating writing, &c., Means of	H. Sanford-Burton	17605	2 Mar. ..	28	31 Mar.
Dust and air separator	C. Nissen	17543	15 Feb. ..	20	3 Mar.
Dust-collector	W. Briery and G. Fraser	17520	3 Feb. ..	15	18 Feb.*
Dust, &c., excluder	A. Parker	17507	2 Feb. ..	20	3 Mar.
Dust, &c., excluder for door	F. T. Page	17532	10 Feb. ..	25	18 Mar.*
Dust, &c., excluder for door	E. A. G. Hamlin	17576	26 Feb. ..	20	3 Mar.*
Earth-auger	G. Stevenson	16188	4 April, 1903	15	18 Feb.
Egg-beater	W. V. Paley and T. H. Bussey	17720	31 Mar. ..	..	..
Electric accumulator-plate	C. P. Elieson	17584	23 Feb. ..	25	18 Mar.
Electrical distribution	W. E. Hughes	17599	2 Mar. ..	..	..
Electrical distribution	W. E. Hughes	17619	5 Mar. ..	..	..
Electricity-meter	B. North	16987	17 Sept., 1903	2	7 Jan.
Electric lamp	G. Sweetser	17662	16 Mar. ..	..	..
Electric starting-gate	S. Austen	17615	4 Mar. ..	..	..
Electro-magnetic separator	R. McKnight	16106	19 Mar., 1903	6	21 Jan.
Electro-medical belt	W. C. Crump	16476	11 June, 1903	2	7 Jan.
Elevator, Ore	F. J. Courtney	17487	21 Jan. ..	..	..
Elevator, Tailings-	G. Armstrong	17608	27 Feb. ..	25	18 Mar.*
Engine. (See Gas-engine, Fluid-pressure engine, Steam-engine.)					
Engine-silencer	B. Crawford	17527	13 Feb., 1903	25	18 Mar.†
Evening and grading leather	Lacene Manufacturing Company	17609	27 Feb. ..	..	..
Excavator and conveyer	G. H. Dunlop	17601	2 Mar. ..	28	31 Mar.
Exit-door	J. A. Jagger	17637	9 Mar. ..	28	31 Mar.*
Exit-door	J. A. Jagger	17672	18 Mar. ..	28	31 Mar.*
Extinguisher. (See Candle-extinguisher.)					
Extraction of metal from ore	P. J. Ogle and The Rapid Cyanide Treatment, Limited	17561	24 Feb. ..	20	3 Mar.*
Extractor and clarifier	W. Hicks, F. Williams, and W. Barnsdale	16848	25 Aug., 1903	6	21 Jan.
Fastener. (See Belt-fastener, Hat-fastener, Necktie fastener and retainer, Sash- fastener, Window-sash fastener.)					
Fastening. (See Animal-cover fastening, Box-fastening, Legging-fastening, Pack- ing-case fastening.)					
Feeder for material in measured quantities	N. P. Carver	17613	3 Mar. ..	28	31 Mar.
Fencing-dropper	A. Macvean	17553	20 Feb. ..	20	3 Mar.*
Fencing-standard	F. W. Bursill	16464	10 June, 1903	15	18 Feb.
Fencing-standard	W. White	17502	29 Jan. ..	15	18 Feb.*
Fencing-staple	G. Chewings	17501	29 Jan. ..	15	18 Feb.*
Fencing-strainer	J. Woolford	17445	8 Jan. ..	..	..
Fibre-separating apparatus	F. Wilkinson	16257	22 April, 1903	15	18 Feb.
Filter, Water-tank	F. Elvines and T. Hall	17495	25 Jan. ..	..	..
Filter, Water-tank	E. R. Godward	17588	29 Feb. ..	28	31 Mar.
Filtering apparatus, Slime-	H. R. Cassel	17600	2 Mar. ..	25	18 Mar.*
Filtering apparatus, Slime-	G. S. Duncan	17158	29 Oct., 1903	15	18 Feb.
Fire-alarm	J. Fletcher	17505	28 Jan. ..	15	18 Feb.*
Fire-alarm	C. P. Winkelmann	17545	17 Feb. ..	20	3 Mar.*
Fire-alarm telephone attachment	F. J. Farrell	17669	14 Mar. ..	28	31 Mar.*
Fire-escape	W. J. Price	17704	28 Mar. ..	..	..
Fire-igniter	P. Coull	17463	12 Jan. ..	10	4 Feb.*
Fire-lighter	A. Asheroft	17551	16 Feb. ..	25	18 Mar.
Fire-lighter	F. Stubbs	17493	19 Jan. ..	28	31 Mar.*
Fishing-rod	F. T. Page	17430	5 Jan. ..	6	21 Jan.*
Flax, Apparatus for separating fibres of	F. Wilkinson	16257	22 April, 1903	15	18 Feb.
Flax conveyer and cleaner	D. J. Williams	17699	25 Mar. ..	31	14 April.*
Flax dressing and washing	A. Hesse and W. Beissel	17479	14 Jan. ..	10	4 Feb.*
Flax dressing and washing	A. L. J. Tait	17683	22 Mar. ..	..	..
Flax-stripper rollers, Truing up	J. Anderson	17565	24 Feb. ..	25	18 Mar.
Flax-stripping machine	G. Crow	17525	8 Feb. ..	15	18 Feb.*
Fluid-pressure brake	M. Connington	17279	19 Nov., 1903	28	31 Mar.
Fluid-pressure turbine	J. P. Campbell	17626/8	7 Mar. ..	13	14 April.
Fly-catcher	J. W. MacCann and J. E. Taylor	17397	19 Dec., 1903	25	18 Mar.
Food for cattle	F. Livingstone	17602	2 Mar. ..	28	31 Mar.
Foot, Artificial	W. H. Bird	17456	12 Jan. ..	10	4 Feb.
Fork. (See Toasting-fork.)					
Frame for copper-boiler	A. C. Wolf and A. Mutch	17634	8 Mar. ..	25	18 Mar.*
Frozen meat, Defrosting	J. Murgatroyd	17582	27 Feb. ..	25	18 Mar.
Fuel-economizer	H. E. Leighton	16117	21 Mar., 1903	15	18 Feb.