

ALPHABETICAL LIST OF INVENTIONS—*continued*.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Hoof. (See Horse-hoof.)					
Hook. (See Fish-hook, Kettle-hook.)					
Horn-protector	J. Hercus and F. W. Barton ..	17367	10 Dec. ..	2	7 Jan., 1904.*
Horse, Feed-box for	J. A. Easton	17398	18 Dec. ..	2	7 Jan., 1904.*
Horse-hoof expander	A. V. Knapp	17309	1 Dec. ..	94	10 Dec.*
Horse-rug attachment	J. Ellis	15811	24 Dec., 1902	81	15 Oct.
Horse-rug fastening	A. J. Fiske	17013	23 Sept. ..	94	10 Dec.
Horse-shoe	J. Hair	17140	24 Oct. ..	87	12 Nov.*
Horse-shoe fastening	L. J. Barnes	17391	16 Dec. ..	6	21 Jan., 1904.*
Horse-shoe fastening	L. J. Barnes	17392	16 Dec. ..	6	21 Jan., 1904.*
Hose-coupling	J. Marks	17359	8 Dec. ..	2	7 Jan., 1904.*
Hurdle	J. Wilkinson	17238	12 Nov. ..	94	10 Dec.*
Hydrocyanic acid, Manufacture of ..	J. H. Paul	17259	18 Nov. ..	94	10 Dec.
Idle pinion, Means for oiling	E. H. Nankivell	17335	3 Dec. ..	94	10 Dec.
Incubator	J. Harris	17250	17 Nov. ..	94	10 Dec.*
Indicating depth of water under vessel ..	W. F. Slack	17166	29 Oct. ..	91	26 Nov.*
Indicator, Billiard-score	J. A. Manton and C. S. Oakes ..	17381	17 Dec. ..	2	7 Jan., 1904.*
Inner tube for motor car	S. Nicolson	17244	16 Nov. ..	94	10 Dec.*
Insecticide	J. Robinson and A. H. Light ..	17396	18 Dec. ..	2	7 Jan., 1904.*
Insole	Auckland Co operative Boot and Shoe Company, Limited ..	17408	24 Dec. ..	10	4 Feb., 1904.*
Instrument, Medical	C. F. Bünz	16858	15 May ..	2	7 Jan., 1904.
Ironing-table	H. A. Baux	17065	2 Oct. ..	84	29 Oct.
Iron-ore reducing furnace	G. Grondal	17343	9 Dec. ..	2	7 Jan., 1904.
Iron-ore reducing process	J. H. A. McPhee	17112	15 Oct. ..	87	12 Nov.*
Ironsand, iron-oxides, &c., Reduction of ..	D. R. S. Galbraith and W. Steuart ..	15661	18 Nov., 1902	81	15 Oct.
Ironsand, Treatment of	C. F. Lungley	15662	18 Nov., 1902	81	15 Oct.
		17130	8 Oct. ..	87	12 Nov.
Jack. (See Wheel-jack.)					
Jet spray, Distributing liquids in ..	C. J. White and E. Grove ..	17137	20 Oct. ..	91	26 Nov.*
Jig-pulley	O. Oldham	17070	6 Oct. ..	84	29 Oct.
Joint. (See Rail-joint.)					
Kauri-gum bag	A. J. McPharlin	17059	3 Oct. ..	84	29 Oct.
Kettle-hook	F. H. Green	15904	26 Jan. ..	94	10 Dec.
Kiln	J. R. Hardy	17123	21 Oct. ..	87	12 Nov.
Kiln	F. J. Jones	17285	28 Nov. ..	94	10 Dec.*
Kitchen-range, Heating	F. J. Shelton	17308	28 Nov. ..	94	10 Dec.*
Knee-pad	W. R. Walker	17290	24 Nov. ..	94	10 Dec.*
Knife, Bootmakers'	J. T. Robinson	17236	11 Nov. ..	94	10 Dec.*
Knife-cleaner	T. Wilkins	16023	25 Feb. ..	2	7 Jan., 1904.
Knife-cleaner	H. Best	17213	6 Nov. ..	2	7 Jan., 1904.
Lamb cutter and tailer	W. J. Standen	17322	2 Dec. ..	94	10 Dec.*
Lamp. (See Electric arc lamp, Vapour-burning lamp.)					
Lamp, Extinguishing	S. White	17111	15 Oct. ..	91	26 Nov.*
Latch-lock	W. Strange and T. Coverdale ..	17119	19 Oct. ..	91	26 Nov.*
Lead-pigment manufacture	E. G. Mills	17043	1 Oct. ..	84	29 Oct.
Leaf. (See Book-leaf holder, Music-leaf turner.)					
Leak in metal vessel, Repairing ..	A. Hull	17252	17 Nov. ..	94	10 Dec.*
Leather, and process of treating same ..	P. Magnus	16139	26 March ..	84	29 Oct.
Leg-bail and tail-holder	A. Leith	17382	16 Dec. ..	2	7 Jan., 1904.*
Leg-rope for cows	F. J. Ellery	17203	5 Nov. ..	91	26 Nov.*
Life-guard and brake	J. Arnaboldi	17300	24 Nov. ..	94	10 Dec.*
Line. (See Clothes-line.)					
Liner for separator-drum	A. M. Arnberg	17074	7 Oct. ..	..	..
Liner for separator-drum	J. A. Dahlqvist	17190	4 Nov. ..	94	10 Dec.
Link. (See Coupling-link, Dredge-bucket link.)					
Liquids, Concentrating and evaporating ..	M. Ekenberg	17320	3 Dec. ..	2	7 Jan., 1904.
Liquids, Distributing, in jet spray ..	C. J. White and E. Grove ..	17137	20 Oct. ..	91	26 Nov.*
Liquids, Distributing, over filter-beds ..	A. Atkins	17135	23 Oct. ..	91	26 Nov.*
Lock. (See Door-lock, Latch-lock, Sash-lock, Sash raiser and lock, Wheel-lock, Window-sash lock.)					
Lock-gate	F. Lambert	17174	30 Oct. ..	91	26 Nov.*
Lock-nut	F. W. Payne	16367	13 May ..	78	1 Oct.
Loose nailing machine	United Shoe Machinery Company ..	17380	17 Dec. ..	2	7 Jan., 1904.*
Luring birds	J. Webb	16034	26 Feb. ..	2	7 Jan., 1904.
Magnetic separator	H. M. Sutton, W. L. and E. G. Steele, and W. Folsetter ..	15830	5 Jan. ..	81	15 Oct.
Magnetic separator	G. Grondal	17344	9 Dec. ..	2	7 Jan., 1904.
Mantle and burner	W. W. and M. A. Adam	17222	11 Nov. ..	94	10 Dec.*
Manure-feed	J. Macalister	17116	15 Oct. ..	87	12 Nov.*
Marking-stamp	A. McLeod	17299	25 Nov. ..	94	10 Dec.
Mattress-frame	C. Uddstrom	17265	14 Nov. ..	94	10 Dec.*
Medical instrument	C. F. Bünz	16358	15 May ..	2	7 Jan., 1904.
Metallic oxides, smelting method ..	T. J. Heskett	17333	4 Dec. ..	94	10 Dec.*
Metal-rolling machinery	G. B. Johnson	17223	11 Nov. ..	94	10 Dec.