

ALPHABETICAL LIST OF INVENTIONS—*continued.*

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Probe for teat of cow ..	C. Ridd and C. E. Young ..	15964	10 Feb. ..	13	19 Feb.*
Protecting bucket-tumbler from wear ..	F. W. Payne ..	15939	2 Feb. ..	25	2 April.
Pump ..	W. H. Madill ..	14509	10 Feb., 1902	21	19 March.
Pump, Air and bicycle ..	H. F. Mander and F. Lewis ..	15986	17 Feb. ..	18	5 March.*
Punching-machine ..	D. Donald ..	14559	25 Feb., 1902	6	23 Jan.
Purification of air in mine-working ..	W. P. Jarvie ..	15919	29 Jan. ..	9	5 Feb.*
Rabbits, Destroying ..	H. B. Parker ..	15985	13 Feb. ..	18	5 March.*
Rabbits, fish, &c., Box for ..	W. Moore and C. T. Kiernan ..	14778	17 April, 1902	9	5 Feb.
Rabbit-skin, Dressing fur on ..	C. Anderson ..	16141	26 March ..	25	2 April.
Rabbit-trap ..	W. C. H. Hudson ..	15971	12 Feb. ..	13	19 Feb.
Rabbit-trap ..	S. F. Clare ..	16094	12 March ..	25	2 April.*
Rabbit-trap, Peg for ..	T. Morris ..	15920	27 Jan. ..	9	5 Feb.*
Rabble for furnace ..	G. G. Turri ..	15941	5 Feb. ..	13	19 Feb.*
Race, Indicating positions in horse- ..	W. Lyons ..	16014	19 Feb. ..	18	5 March.*
Race-starting gate ..	A. Lyell ..	14962	6 June, 1902	6	23 Jan.
Raft, Life-saving ..	H. Williams ..	15934	2 Feb. ..	13	19 Feb.*
Raft, Ship's ..	Union Steamship Company of New Zealand (Limited) ..	15975	12 Feb. ..	21	19 March.
Raft, Ship's ..	J. Waymouth ..	16028	23 Feb. ..	21	19 March.*
Rails, Connecting ends of ..	S. Shuker ..	16031	27 Feb. ..	21	19 March.*
Rails, Securing fastenings of ..	J. E. Tonkin, W. Ames, and W. E. H. Nicolle ..	15995	18 Feb. ..	25	2 April.
Railway. (See Electric railway.)					
Railway-brake, Fluid-pressure ..	M. Corrington ..	15898	23 Jan. ..	9	5 Feb.
Railway rolling-stock coupling ..	C. A. Johnson ..	15969	12 Feb. ..	18	19 Feb.*
Railway-traction, Electro-magnetic ..	D. W. Balch ..	15826	5 Jan. ..	6	23 Jan.
Rain-excluder for door ..	E. R. Ludbrook and A. B. and G. C. Jackson ..	15222	5 Aug., 1902	6	23 Jan.
Raising liquid to high level ..	T. Taplin ..	14939	30 May, 1902	9	5 Feb.
Raising sunken vessel ..	D. C. Groves and A. R. Stanton ..	16096	16 March ..	25	2 April.*
Razor, Safety- ..	K. C. Gillette ..	15872	15 Jan. ..	9	5 Feb.*
Receiver, Current-operated, for electro-magnetic waves ..	R. A. Fessenden ..	15847	7 Jan. ..	6	23 Jan.
Recorder, &c., Mechanical ..	W. E. Hughes ..	14809	1 May, 1902	9	5 Feb.
Recovering gold from black sand ..	J. Shepherd ..	16123	24 March ..	25	2 April.*
Reducing-valve ..	M. Lumley ..	15845	7 Jan. ..	6	23 Jan.
Refilling of bottle, Preventing ..	R. Garnham ..	15952	6 Feb. ..	13	19 Feb.*
Reflecting view of car to front facing driver ..	S. G. Plucknett ..	16003	17 Feb. ..	18	5 March.*
Register, &c., Mechanical ..	W. E. Hughes ..	14809	1 May, 1902	9	5 Feb.*
Regulator. (See Damper-regulator, Shear-regulator, Spring-regulator.)					
Resistance-device, Spring, &c. ..	J. T. Hunter ..	16012	21 Feb. ..	43	28 May.
Rest, Billiard- ..	J. H. Noonan and T. B. O'Connor ..	16158	28 March ..	29	16 April.*
Retaining necktie on collar ..	T. Stephens ..	16062	6 March ..	21	19 March.*
Revolving chair, table, &c. ..	H. J. Bettany ..	15866	14 Jan. ..	6	23 Jan.*
Revolving screen ..	W. McCallum ..	15874	14 Jan. ..	9	5 Feb.
Rifle-carrier, Bandolier and ..	E. H. B. Laing and G. W. Clarke ..	15999	16 Feb. ..	18	5 March.
Ring and joint. (See Metal-pipe ring and joint.)					
Ripening cream, &c. ..	E. S. Baldwin and H. H. Rayward ..	15865	14 Jan. ..	6	23 Jan.
River-material, Extracting gold from ..	E. de N. de Loitte ..	16144	24 March ..	29	16 April.*
River, Navigation of ..	W. Wickens ..	16148	25 March ..	29	16 April.
Road-barrier ..	H. E. R. Rayner ..	15949	3 Feb. ..	13	19 Feb.*
Road scoop and grader ..	A. W. Elder ..	16151	24 March ..	29	16 April.
Road-sweeper, &c. ..	W. Brierley and G. Fraser ..	16070	6 March ..	21	19 March.*
Roadster and gig seat ..	A. C. Atkin ..	16051	2 March ..	21	19 March.*
Roasting. (See Ore-roasting.)					
Rock boring, Drill for ..	A. McLeod ..	15869	10 Jan. ..	9	5 Feb.*
Rock-drilling machine, Sharpening ..	A. Purser, F. W. Jenkins, and C. R. M. Millar ..	15852	9 Jan. ..	..	..
Rocker ..	J. G. Bartlett ..	16127	21 March ..	29	16 April.*
Rocker for children ..	J. R. Flanagan ..	16118	21 March ..	25	2 April.*
Roller for typewriter ..	W. H. Stebbing and J. H. Colwill ..	16093	12 March ..	25	2 April.*
Rolling-stock coupling ..	C. A. Johnson ..	15969	12 Feb. ..	13	19 Feb.*
Rotary fluid-engine ..	Cooley Development Company ..	16100	18 March ..	25	2 April.
Rowlock, Boat- ..	J. Rutland and W. H. Smith ..	16027	25 Feb. ..	18	5 March.
Running away, Preventing horse from ..	W. Campbell ..	16072	10 March ..	21	19 March.*
Rusticated weatherboarding ..	T. Herbert ..	16005	17 Feb. ..	..	..
Safety-lamp, Miners' ..	A. Hankinson ..	15914	28 Jan. ..	9	5 Feb.
Safety-razor ..	K. C. Gillette ..	15872	15 Jan. ..	9	5 Feb.*
Sash, &c., Hanging ..	W. J. Alexander ..	16067	9 March ..	37	14 May.
Sash-fastener ..	A. W. F. Lorie ..	15929	30 Jan. ..	13	19 Feb.*
Sash-lock ..	O. Wall and R. C. Hughes ..	16083	13 March ..	25	2 April.
Sash, Supporting window- ..	H. E. M. Gordon ..	15928	31 Jan. ..	13	19 Feb.*
Sashes, Hanging ..	R. L. Lockerbie ..	15922	27 Jan. ..	9	5 Feb.*
Saw-setting instrument ..	G. R. Hamilton and R. Te Rangi ..	16122	24 March ..	25	2 April.*
Scaffolding-bracket ..	J. H. Fairhurst ..	16019	23 Feb. ..	18	5 March.
Sconce for candlestick ..	A. R. Hardy ..	15875	14 Jan. ..	9	5 Feb.*
Screen, Revolving ..	W. McCallum and E. Roberts ..	15874	14 Jan. ..	9	5 Feb.
Screenings, Making ..	R. Davidson ..	16152	26 March ..	..	..
Sealing and filling bottle ..	H. A. Penrose ..	16071	10 March ..	21	19 March.