

## ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Vacuum pump .. .. .	B. G. A. Harkness .. .. .	21266	7 June ..	59	12 July.*
Valve .. .. .	C. J. Waugh .. .. .	19823	2 Aug., 1905	59	12 July.
Valve .. .. .	Brunswick Refrigerating Company	20884	21 March ..	31	19 April.
Valve .. .. .	W. Angus .. .. .	20893	21 March ..	31	19 April.*
Valve and pump connecting-piece .. .. .	R. V. Danne .. .. .	21225	29 May ..	..	..
Valve, Flushing- .. .. .	W. Turnbull .. .. .	20946	3 April ..	31	19 April.*
Valve of brake-coupling, Control-Valve. (See Hydraulic-ram valve, Tire-valve.)	C. E. Keen .. .. .	20985	11 April ..	46	14 June.
Vane. (See Turbine-vane.)					
Vehicle-brake .. .. .	J. L. Jopp and W. Murphy .. .. .	21083	1 May ..	42	31 May.*
Vehicle controller, Electrically propelled	J. S. Raworth .. .. .	21061	1 May ..	..	..
Vehicle, Horse-stopping attachment to..	T. Firth .. .. .	19520	27 May, 1905	46	14 June.
Vehicle-moving mechanism .. .. .	E. J. Vining and G. D. Weir .. .. .	20980	11 April ..	38	17 May.
Vehicle-wheel axle .. .. .	J. W. Greene .. .. .	21236	30 May ..	..	..
Venetian-blind, Arranging laths of .. .. .	F. G. Semb .. .. .	21089	3 May ..	53	28 June.*
Ventilating-system .. .. .	F. J. Mahoney .. .. .	21301	12 June ..	59	12 July.*
Vessels, Propelling .. .. .	T. Beckett .. .. .	21342	22 June ..	..	..
Vessels, Propulsion of .. .. .	F. Sewell .. .. .	20991	12 April ..	42	31 May.*
Veterinary appliance .. .. .	C. Ridd and D. Duncan .. .. .	21010	18 April ..	..	..
Vice .. .. .	J. D. Plimmer .. .. .	21202	25 May ..	53	28 June.*
Vote-recorder .. .. .	E. Boggiano .. .. .	20635	24 Jan. ..	46	14 June.
Voting-machine .. .. .	W. Madder .. .. .	21213	28 May ..	59	12 July.*
Wardrobe .. .. .	F. C. J. Olsen .. .. .	21152	16 May ..	53	28 June.*
Wash-board .. .. .	J. J. Power .. .. .	20474	20 Dec., 1905	31	19 April.
Water, Detecting undue rise of .. .. .	R. Cockburn .. .. .	20831	8 March ..	53	28 June.
Water-cock, Preventing, from bursting..	W. R. Parcell, jun. .. .. .	21031	24 April ..	38	17 May.
Water-collector .. .. .	W. E. Chamberlain .. .. .	20947	4 April ..	31	19 April.*
Water-heater .. .. .	J. D. Jackson .. .. .	20054	18 Sept., 1905	53	28 June.
Water-heater, Gas .. .. .	H. W. McClellan .. .. .	21114	9 May ..	53	28 June.*
Water-pipe, Protecting, from frost	O. K. Carlson .. .. .	20901	23 March ..	35	3 May.*
Waterproof garments .. .. .	R. A. Bradbury .. .. .	21300	13 June ..	..	..
Water-tap .. .. .	O. K. Carlson .. .. .	20862	23 March ..	35	3 May.*
Water-tap .. .. .	O. K. Carlson .. .. .	20900	23 March ..	35	3 May.*
Weed-clearer for harrow .. .. .	F. T. McNulty .. .. .	19700	10 July, 1905	38	17 May.
Weed-destroying composition.. .. .	F. E. Perry .. .. .	20989	12 April ..	..	..
Weigher, Butter .. .. .	S. F. Womersley .. .. .	21321	13 June ..	..	..
Weighing-machine .. .. .	T. Whitehorn .. .. .	21293	13 June ..	59	12 July.*
Weighing milk .. .. .	E. D. Berry .. .. .	21048	27 April ..	..	..
Welded boot, Manufacture of .. .. .	C. J. Walker .. .. .	21016	19 April ..	42	31 May.*
Westinghouse-brake coupling, Control-valve of	C. E. Keen .. .. .	20985	11 April ..	46	14 June.
Wheel .. .. .	W. S. Burt .. .. .	20664	19 Jan. ..	46	14 June.
Wheel .. .. .	C. J. McMaster .. .. .	21218	25 May ..	59	12 July.
Wheel, Flexible .. .. .	J. Rusp .. .. .	21006	18 April ..	38	17 May.
Wheel, Pneumatic centre for .. .. .	W. M. Jamieson .. .. .	21370	26 June ..	..	..
Wheel, Resilient .. .. .	T. Gare .. .. .	20790	28 Feb., ..	35	3 May.
Wheel. (See also Bicycle and motor wheel, Motor-car wheel, Trolley-wheel, Vehicle-wheel.)					
Wheel-tire, Sectional .. .. .	A. J. Fortescue .. .. .	21333	22 June ..	..	..
Wheel-tire .. .. .	S. F. Mudge .. .. .	21115	31 Aug., 1905†	53	28 June.
Whisk .. .. .	E. R. Godward .. .. .	20658	30 Jan. ..	31	19 April.
Winch for mines .. .. .	E. S. Baldwin and H. H. Rayward	20914	29 March ..	31	19 April.*
Wind-gauge for rifle .. .. .	W. J. C. Downey .. .. .	21106	20 March† ..	59	12 July.
Windmill, Head-frame for .. .. .	C. J. McMaster .. .. .	20973	6 April ..	35	3 May.
Window .. .. .	T. S. Philpott .. .. .	19522	29 May, 1905	31	19 April.
Window .. .. .	T. S. Philpott .. .. .	21057	1 May ..	..	..
Window-fastener .. .. .	J. McKay .. .. .	21054	26 April ..	..	..
Window-lock .. .. .	A. H. Wylde .. .. .	19457	12 May, 1905	38	17 May.
Window-sash .. .. .	J. O. Galbally .. .. .	21380	29 June ..	..	..
Wire-fence binder .. .. .	T. W. Coulthard .. .. .	21071	30 April ..	59	12 July.*
Wire mattress, Stretching .. .. .	G. F. Reynell .. .. .	20814	6 March ..	35	3 May.*
Wire-strainer .. .. .	T. F. Locke and E. W. Duncombe	21160	17 May ..	..	..
Wireless telegraphy .. .. .	Marconi's Wireless Telegraph Company, Limited	20880	21 March ..	31	19 April.
Wireless-telegraphy Receiver .. .. .	A. Artom .. .. .	21155	16 May ..	59	12 July.
Wireless telegraphy .. .. .	The De Forest Wireless Telegraph Syndicate, Limited	20984	11 April ..	35	3 May.
Wireless telephone .. .. .	F. J. McCarty .. .. .	21101	8 May ..	..	..
Wire-strainer .. .. .	E. H. Smith .. .. .	20918	29 March ..	31	19 April.*
Wire-strainer .. .. .	R. Pierce and H. S. Wilkie .. .. .	21052	28 April ..	42	31 May.
Wood-clamping machine .. .. .	W. Jamieson .. .. .	21298	13 June ..	..	..
Wooden tower .. .. .	G. T. Bennett .. .. .	20904	24 March ..	42	31 May.*
Wrench .. .. .	E. A. Barnes .. .. .	21267	7 June ..	..	..
Wrench, Ratchet .. .. .	G. S. Stevenson .. .. .	19643	24 June, 1905	42	31 May.
Writing-paper advertising medium .. .. .	P. J. Gossling .. .. .	21376	26 June ..	..	..
Yeast-making .. .. .	L. Friedenreich .. .. .	21339	22 June ..	..	..