

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Spats and gaiters, Attachment to. M. O'Brien and R. Weston	8374	28 March.
Spiral-springs, Attachment for. J. Brown	8478	12 May.
Splicer for wire fencing. G. Wratten	8323	4 March.
Splicer, Wire. O. Andrews	8771	21 Aug.
Splitting wood. (See Wood.)		
Spool. (See Wire spool.)		
Spouting-dies. H. G. and L. Bedell	9065	25 Nov.
Spray-pump. W. H. Price	8688	25 July.
Sprayer and mixer, Combined. G. Ellis	8894	27 June.
Sprayer, Pneumatic. J. Black	8883	23 Sept.
Spraying fruit-trees and vines, Machine for. W. I. Shanly	8397	9 April.
Spraying kerosene and water, Appliance for. W. S. Williams	8623	3 July.
Spraying-machine, Nozzle for. J. Black	9125	16 Dec.
Spraying-machine, Pneumatic. J. Black	8684	27 July.
Spreader. (See Lime-spreader.)		
Springs, Attachment for spiral. J. Brown	8478	12 May.
Spring, Pneumatic, for bicycles. R. Murie	8791	21 Aug.
Spring, Sustaining-, for poles of vehicles. T. Wilson and J. Clark	8607	23 June.
Spring balance scales, Weight- and cost-indicating apparatus for. H. J. Wood and W. Thomson	8361	25 March.
Sprocket-wheel for chain gearing. J. A. Walker	9091	3 Dec.
Stacking apparatus. O. E. Adolph	8670	22 July.
Stacks, Elevator for automatic distribution of straw into. G. Stevenson	8790	20 Aug.
Stamp-battery, Cam for lifting stamps of. J. L. Kirkbride	8576	15 June.
Stamp-battery, Cam for lifting stamps of. J. L. Kirkbride	8775	22 Aug.
Stamp-battery, Discharge-shoot for feeding ore to. A. W. Goyder	9089	3 Dec.
Stamper-battery, Appliance for protecting workers in, from dust. H. Frith	9122	25 Nov.
Stamper-guide. R. Cockerell	9047	13 Nov.
Stamp, Pneumatic, for crushing ores. D. Embleton	9161	31 Dec.
Stamps, Making castings of. J. Barton	9119	10 Nov.
Stamping-apparatus for crushing ores, &c. D. B. Morison	8982	27 Oct.
Stamping meat, Electric apparatus for. A. Smith	8680	22 July.
Stamps, Apparatus for cutting, cancelling, and affixing adhesive. W. E. Richardson	9006	5 Nov.
Stand for bicycle. L. J. Holroyd	8897	29 Sept.
Stand, Menu and wine-card. A. H. Light	8221	27 Jan.
Standards, Swinging-, for wire fencing. G. and G. Wratten	8315	2 March.
Staple, Fencing-. F. W. Page	8654	14 Aug.
Staple, Wire. W. H. Landells and W. D. V. Preston	8496	12 May.
Starter, Electric time-handicap. W. Nicol	8286	17 Feb.
Starter, Horse-race. T. Leyden and J. Vorbach	8269	10 Feb.
Starting-machine, Electric. J. Gaut	8529	26 May.
Starting-machine, Pedestrian-race. B. A. Laurie	8962	21 Sept.
Starting-machine for races of all kinds. L. Marshall and J. B. Williamson	8901	25 Sept.
Steam-boiler. J. E. Friend	9075	23 Nov.
Steam-boilers, Automatic stoking, smoke-consuming, and fuel-economizing apparatus to be attached to. G. Claydon and H. Wood	8605	24 June.
Steam-boilers, Automatic stoking, smoke-consuming, and fuel-economizing apparatus to be attached to. The Wood and Claydon Automatic Stoker, Coal-crusher, Self-feeder, and Smoke-consumer Company (Limited)	8826	4 Sept.
Steam-engine. E. E. Wigzell	8733	13 Aug.
Steam-engine, Method of working a. A. Hogg	9121	9 Dec.
Steam or fluid-pressure engine. S. Robinson	8586	15 June.
Steamships, Appliance for turning. J. F. Perkins	8231	27 Jan.
Steamships. (See Boat, Marine, Propelling, Ship, Vessel.)		
Steam-shovel for emptying and filling leaching- and lixiviation-vats used in metallurgical operations G. A. Richard	8355	20 March.
Steam-shovel for emptying and filling leaching- and lixiviation-vats used in metallurgical operations J. W. Hall and G. A. Richard	9116	10 Dec.
Steam wool-drier. (See Wool.)		
Steel- and iron-castings, Method of annealing. The Trengrove Improved Cycle-frame Company (Limited)	8197	10 Jan.
Steel, Manufacturing, from ironsand. C. M. Pielsticker	8521	23 May.
Steering-bar, Cycle. C. O. Kemp	8588	19 June.
Step-ladder. G. W. W. Lightband	8552	2 June.
Stereopticon. L. H. Hart	8783	24 Aug.
Sterilisation, Process and apparatus for preserving milk and food by. A. J. Vause	8433	28 April.
Sterilising and condensing milk, Apparatus for and process of. R. C. and A. M. Lindsay	8599	25 June.
Sterilising milk by steam, Apparatus for. A. T. Pfeiff	9037	14 Nov.
Sterilising milk, Process and apparatus for. A. J. F. de Bavay	8819	3 Sept.
Stock. (See Railway, Rolling-stock.)		
Stoking, smoke-consuming, and fuel-economizing apparatus to be attached to steam-boilers, Automatic. G. Claydon and H. Wood	8605	24 June.
Stoking, smoke-consuming, and fuel-economizing apparatus to be attached to steam-boilers. The Wood and Claydon Automatic Stoker, Coal-crusher, Self-feeder, and Smoke-consumer Company (Limited)	8826	4 Sept.
Stone-guard for bicycle. J. A. Beale	8922	3 Oct.
Stone, marble, &c., Manufacturing artificial. W. Owen	8903	30 Sept.
Stones, Method for removing large. I. Lewis	8343	7 March.
Stool, Raising-. A. H. Hathaway and W. F. Meers	8551	2 June.
Stop. (See Bench-stop.)		
Stopper for bottle. G. W. Shailer and W. L. Luxford	8687	27 July.
Stopper for bottle. J. W. McDougall	8975	26 Oct.
Stoppering device to prevent refilling of bottles. H. Dixon	8226	29 Jan.
Stopwatch. P. G. Harwood	8554	4 June.
Storage or secondary battery. A. Preiss	8727	12 Aug.
Stove or range. E. A. Cahoon	8717	7 Aug.
Stove for heating two rooms. J. B. Topp	8238	3 Feb.
Strainer. (See Laundry-strainer, Wire-strainer.)		