

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Sharpening blades of chaff-cutter, Machine for. T. Dawson .. .. .	9896	8 Sept.
Sharpening rock-drills, Machine for forging and. S. P. Quick .. .. .	9793	14 Aug.
Shavings, Manufacturing zinc. P. Strang .. .. .	9879	9 Sept.
Shearing-machine. H. Hall .. .. .	9916	20 Sept.
Shearing skins, Apparatus for. J. Murgatroyd .. .. .	9887	6 Sept.
Shears for cutting tin, brass, &c. J. A. Belk .. .. .	9984	12 Oct.
Sheathing or weatherboard. W. Pinches.. .. .	10004	14 Oct.
Sheep- and package-branding machine. J. A. Barnes .. .. .	9476	26 April.
Sheep-dip. T. Hallett .. .. .	10253	30 Dec.
Sheep-shearing machine. J. G. Nash .. .. .	10039	21 Oct.
Sheepshears, Hand-. J. Heck .. .. .	10159	25 Nov.
Sheepshears, Machine. J. Martin .. .. .	9789	13 Aug.
Sheet-metal box. T. L. Carbone .. .. .	10071	30 Oct.
Sheller casings, Frictional surface for lining. G. Preddy .. .. .	9172	5 Jan.
Shield for tires. A. Manvers, M. Fink, and H. A. D. Sheppard .. .. .	9325	4 March.
Ships and boats, Propeller for. J. A. Belk .. .. .	10124	13 Nov.
Ships' boats, Apparatus for working. S. Jickell .. .. .	9800	6 Aug.
Shirt-collar attachment. G. Ward and J. E. Dodgshun .. .. .	9204	19 Jan.
Shirt, Dickey and means of attaching to. J. Harvey-Metcalf .. .. .	9566	25 May.
Shoe for bottom of pipe for artesian well. J. Osborne .. .. .	9897	8 Sept.
Shoe. (See also Boot, Horse-shoe.)		
Shop-window. W. Moriarty .. .. .	10132	16 Nov.
Shovel. C. A. Port .. .. .	9696	14 July.
Shower-bath. A. H. W. Wedler .. .. .	9944	30 Sept.
Signal-lamp, Hand. T. Edwards .. .. .	9798	16 Aug.
Signal-lamp, Hand. J. Dobbie .. .. .	9895	6 Sept.
Signal-lamp, Revolving screw-attachment for. S. P. Evans .. .. .	9859	30 Aug.
Signals, Apparatus for transmitting electrical impulses and. The Wireless Telegraph and Signal Company (Limited)	9925	21 Sept.
Signals for railway, Danger-. C. J. E. Linnemann .. .. .	9999	4 Oct.
Signals or messages by electric currents, Transmitting. A. C. Crehore and G. O. Squier .. .. .	9541	19 May.
Silt-punt. J. J. Haslam .. .. .	9726	24 July.
Silt-punt. G. N. Goldie .. .. .	9911	13 Sept.
Siphon. J. Harrison .. .. .	9677	13 July.
Siphon cistern, Flushing. J. Marsh .. .. .	9461	22 April.
Skeith and skim-coulter attachment to plough. W. K. Elder .. .. .	9820	21 Aug.
Skeith-attachment for plough. W. A. Mann .. .. .	9717	20 July.
Skeith-attachment to ploughs, Rotary subsoiler. T. Hawke .. .. .	9617	15 June.
Skeith-carrying attachment for plough. D. Brisbane .. .. .	10130	12 Nov.
Skin-shearing apparatus. J. Murgatroyd .. .. .	9887	6 Sept.
Skins or hides, Curing. J. W. Scott .. .. .	9249	4 Feb.
Skirt-attachment for cyclists. C. Bristow .. .. .	9491	4 May.
Skirt, Cycling-. S. E. Francis .. .. .	9910	16 Sept.
Sleepers, Process of and composition for manufacturing posts and railway-. E. Walker and J. A. Henderson	9235	28 Jan.
Sleeping-bag. W. S. C. Nicholl .. .. .	10038	21 Oct.
Slime from bodies containing same, Separating. W. A. Kōneman .. .. .	9187	11 Jan.
Slime, sand, &c., Process and apparatus for extracting liquid from solvent-treated. T. T. Draper and W. Ryley	9878	9 Sept.
Smelting-furnaces, Method of and apparatus for charging. E. Hall .. .. .	9577	31 May.
Smelting ironsand, Furnace for. A. Coubrough .. .. .	10225	17 Dec.
Smelting ironsand, Process for. A. Coubrough .. .. .	9177	7 Jan.
Smelting ironsand, Process of. A. Coubrough .. .. .	10226	17 Dec.
Smelting, Process and apparatus for preparing ironsand for. A. Coubrough .. .. .	9492	4 May.
Smelting, Treating minerals for. R. F. Strong .. .. .	9922	23 Sept.
Smoke-consumer and spark-catcher for engines, chimney-stacks, &c. L. G. Roope and J. Shepherd	9940	24 Sept.
Smoke-consuming, fuel-economizing, and stoking apparatus for steam-boilers. The Wood and Claydon Automatic Stoker, Coal-crusher, Self-feeder, and Smoke-consumer Company (Limited)	9182	8 Jan.
Smoke-consuming, self-cleaning, steam and hot-air utilizing tube-engine. E. L. Clark	10026	15 Oct.
Sock or stocking. F. Sontgen .. .. .	9349	25 Feb.
Sods, Machine for removing soil from. H. E. A. Minchin .. .. .	9658	28 June.
Soldering apparatus. J. P. Hamilton .. .. .	9946	28 Sept.
Soldering-table or -pan. Elkington and Company (Limited) .. .. .	9203	19 Jan.
Soldering tins, Machine for. W. Stevenson .. .. .	9450	20 April.
Solvents and electrolysis, Extracting metals from ores by means of. C. A. Mulholland and R. M. Cochrane	9457	22 April.
Solvents, Treating gold- and silver-ores with. J. C. Montgomerie and H. Parkes .. .. .	9643	30 June.
Sorter, Ore-. J. Ancel .. .. .	10063	28 Oct.
Sowing seeds with manure, Drill for. I. Sargent .. .. .	9651	7 June.
Sowing. (See also Seed-drills.)		
Sounding apparatus, Nautical. D. P. Munn .. .. .	9611	14 June.
Spade. C. A. Port .. .. .	9696	14 July.
Spanner. A. Taylor .. .. .	9392	29 March.
Spanner. A. Taylor .. .. .	9440	12 April.
Spanner. E. Moss .. .. .	9529	14 May.
Spark-catcher and smoke-consumer for engines, chimney-stacks, &c. L. G. Roope and J. Shepherd	9940	24 Sept.
Spark-extinguisher. D. E. Blacke .. .. .	9597	4 June.
Spindle and bearing, Cycle crank-. A. J. Cuming .. .. .	9901	10 Sept.
Spirit- or oil-engine, Vaporiser for. F. Henderson and M. T. N. Bluck .. .. .	9750	29 July.
Split pulley. H. Wilson and T. Mant .. .. .	10210	10 Dec.
Spouting, Bracket for erection of galvanised-iron. H. J. Vickery .. .. .	9723	23 July.
Spray-brush. L. and M. L. Jones .. .. .	9964	7 Oct.
Sprayer-nozzle, Drip-cup for. W. H. Price .. .. .	10070	29 Oct.
Spray-pump. J. Garside .. .. .	9663	1 July.
Spring-dray or cart saddle. T. Hogan .. .. .	9930	25 Sept.
Spring-frame bicycle. A. J. Cuming .. .. .	9791	14 Aug.