

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898—*continued.*

Name, Residence, and Invention	No.	Date.
Rowbotham, W., London, Eng. Primary electric-battery	10537	27 April.
Rowe, Katherine, and another, Christchurch, N.Z. Hose-connection	10520	15 April.
Rowe, Katherine, and another, Christchurch, N.Z. Hose-coupling or union	11032	3 Oct.
Royds, C., and another, St. Bathans, N.Z. Velocipede driving-gear	10416	8 March.
Rudolfs, J., and another, Stockholm, Sweden. Extracting metals from oxide-ores or oxygen compounds	10302	21 Jan.
Rufus, W., and another, Adelaide, S.A. Spark-arrester	10818	27 July.
Russell, G. E., and another, Hasbrouck Heights, New Jersey, U.S.A. Manufacturing gas	10280	15 Jan.
Russell, W. H., and another, Melbourne, Vic. Panoramic apparatus for exhibiting advertisements	10708	21 June.
Russell, W. H., and another, Hasbrouck Heights, New Jersey, U.S.A. Manufacturing gas	10280	13 Jan.
Rutherford, J., Pungarehu, Taranaki, N.Z. Flax-washer	10668	8 June.
Sanderson, F. V., and others, Adelaide, S.A. Machine for labelling tins, jars, &c.	10305	21 Jan.
Sangster, A., Invercargill, N.Z. Prospecting-dredge	10384	17 Feb.
Saunders, A. G., Adelaide, S.A. (See Albatross Mining and Prospecting Company, Limited, No. 10785.)		
Saxton, A. C., and another, Pyrmont, Sydney, N.S.W. Flooring. (A. M. Nelson)	10821	28 July.
Scarr, J. S., Hobart, Tas. Paperhangings	10990	21 Sept.
Schmid, C., Brussels, Belgium. (See the Anglo-Colonial Chemical Company, Limited, No. 10672.)		
Schmidt, H. R., and another, New Brighton, Christchurch, N.Z. Rail-joint	10791	18 July.
Schmidt, J. L., and another, Sydney, N.S.W. (See the Astral Incandescent Lighting Company, Limited, No. 11056.)		
Schmoll, E., and another, Christchurch, N.Z. Cycle-driving mechanism	11039	20 Oct.
Schmoll, L., and another, Christchurch, N.Z. Cycle-driving mechanism	11089	20 Oct.
Schnackenberg, E. H., Raglan, Auckland, N.Z. Wire-strainer and fence-repairer	10691	10 June.
Schwartz, G. G., Wellington, N.Z. Rusticated board	10531	26 April.
Scott, D., Dunedin, N.Z. Speed-increasing device for velocipede-riders	10636	30 May.
Scott, G., Sydney, N.S.W. Tubulous boiler. (E. Petersen)	10823	28 July.
Scott, H. W., Stratford, N.Z. Liquid cattle-brand	10857	9 Aug.
Scott, W. A., Dunedin, N.Z. Chain-gear brake	10567	2 May.
Seabrook, B. R., and another, Victoria, B.C., Canada. Rock-crusher	10264	6 Jan.
Searle, W. G., West Eyreton, Canterbury, N.Z. Castrating and tailing instrument	10451	19 March.
Seaton, D. M., San Francisco, U.S.A. Thread-carrier for loom	10502	14 April.
Seaton, D. M., San Francisco, U.S.A. Loom	10512	14 April.
Sedcole, H., Wellington, N.Z. Wool-press	10738	1 July.
Sell, A., Colac, Vic. Lifting, loading, unloading, and stacking goods or merchandise	10929	31 Aug.
Selley, F. W., and another, Enmore, Sydney, N.S.W. Slack-adjuster for brake-gear of railway rolling-stock	11112	31 Oct.
Shadgett, Elizabeth, Petone, Wellington, N.Z. Draught-concentrator and smoke-preventer for register grate	10815	26 July.
Shanasy, E. P., Manana, Taranaki, N.Z. Securing the legs of cows whilst being milked	10609	20 May.
Shepherd, J., Invercargill, N.Z. Spark-extinguisher and smoke-consumer	10872	15 Aug.
Shepherd, J., Wellington, N.Z. Steering apparatus for traction-engine or steamboat	11236	13 Dec.
Shury, A. H., Ashburton, N.Z. Gold-saving ripples	11230	10 Dec.
Shuttleworth, J. J., Ryde, Sydney, N.S.W. Stopper and fastening for bottles, jars, casks, &c.	11179	23 Nov.
Siemens Brothers and Company (Limited), London, Eng. Electric arc lamp. (F. Booker)	11047	10 Oct.
Sigley, G., Wanganui, N.Z. Gig-spring	10893	18 Aug.
Silenette Proprietary (Limited), Melbourne, Vic. Powder-introducing appliance for curative or surgical purposes. (F. W. Loxton)	10952	8 Sept.
Silley, J. H., and another, Chepstow, Monmouthshire, Eng. Rotary wool-cutting machine	10699	18 June.
Simson, D. C., New Plymouth, N.Z. Composition for cure of asthma	10259	5 Jan.
Sinclair, F., and another, Coventry, Eng. (See the Dunlop Pneumatic Tire Company, Limited, No. 10386.)		
Sinclair, W. G., and another, Edinburgh, North Britain. Cutting paper into strips or shavings	10471	31 March.
Skelton, F. O., Taradale, Hawke's Bay, N.Z. Cattle-stop for railways	10928	31 Aug.
Small, J., Christchurch, N.Z. Pump	10469	28 March.
Smelting Corporation (Limited), The. Recovery of zinc from slags or residues. (H. E. Fry and R. Addie)	11219	8 Dec.
Smethurst, E., Christchurch, N.Z. Railway or tramway rolling-stock	10375	19 Feb.
Smethurst, E., Christchurch, N.Z. Hanging dropper for wire-fencing	10898	19 Aug.
Smethurst, E., and another, Christchurch, N.Z. Dropper for wire-fencing	10829	28 July.
Smethurst, E., and another, Christchurch, N.Z. Securing fencing-wires to standards	10467	24 March.
Smillie, A., and another, North Williamstown, Vic. (See J. B. Zander and J. Cooke, No. 10620.)		
Smith, A., Upper Shotover, N.Z. Recovering gold from beds of rivers, &c.	10870	15 Aug.
Smith, C. B., and another, Dunedin, N.Z. Invoice-form holder	11003	26 Sept.
Smith, D. E., and another, Christchurch, N.Z. Slip-sole	10862	10 Aug.
Smith, D. E., and another, Christchurch, N.Z. Lasting-pliers	10380	22 Feb.
Smith, F. W., and another, Christchurch, N.Z. Slip-sole	10862	10 Aug.
Smith, H. B. H., Melbourne, Vic. Hand-hook for handling cargo	10442	18 March.
Smith, J., and others, Dunedin, N.Z. Machine-belt fastener	10633	30 May.
Smith, J. A., Brisbane, Queensland. Cycle-handle	10488	7 April.
Smith, J. S., Wellington, N.Z. Mangling- or wringing-machine. (J. R. Bell and W. Woods, jun.)	11220	8 Dec.
Smith, W., Wellington, N.Z. Matchbox	10679	13 June.
Smith, W. R. S., Kaiapoi, N.Z. Circular frame for holding bicycle so that it shall run continuously in a circle	10598	12 May.
Snape, H. L., and another, Aberystwith, Cardigan, Wales. Gold-extraction by cyanide process	11264	23 Dec.
Soffe, S., Wellington, N.Z. Fastening sash-lines	10351	12 Feb.
Soper, F. C., and another, Chicago, U.S.A. (See J. M. Ewen, No. 10480.)		
Sparre, De. (See under D.)		
Speed, J. B., Wellington, N.Z. Bicycle-tire	11213	6 Dec.
Speight, J., Kirwee, Canterbury, N.Z. Bicycle-crank	10265	6 Jan.
Speight, J., Kirwee, Canterbury, N.Z. Spark-extinguisher for engines	10348	11 Feb.
Speight, J., Kirwee, Canterbury, N.Z. Bicycle driving-gear	10782	18 July.
Spicer, G. E., Prahra, Vic. Velocipede-tire. (J. A. Bigelow)	10530	25 April.
Sprey, E., Dunedin, N.Z. Watertight boot-sole	10363	12 Feb.
Spriggs, W. M., and others, Birmingham, Eng. Attaching wire fabrics to bedsteads	10388	28 Feb.