

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

Name, Residence, and Invention.	No.	Date.
Drummond, J., Dannevirke, Hawke's Bay, N.Z. Stump-extractor	10981	17 Sept.
Drummond, J., and others, Dannevirke, Hawke's Bay, N.Z. Bicycle- or tricycle-crank	10291	18 Jan.
Dudley, U., Drake, N.S.W. Clip or binder	11217	8 Dec.
Duncan, G. S., Tarnagulla, Vic. Separating gold- and silver-bearing solutions from ores or slimes	10741	30 June.
Duncan, H. E., Christchurch, N.Z. Ventilating- and cooling-screen for dairies, &c.	10592	13 May.
Duncan (Limited), P. and D., Christchurch, N.Z. Levers and riding-gear for ploughs	10715	21 June.
Dunlop Pneumatic Tire Company (Limited), The, London, Eng. Clip for securing pump to velocipede. (F. Sinclair and J. Gooding)	10386	26 Feb.
Dunlop, S., and another, Clydevale, Otago, N.Z. Mud-guard for pneumatic tire	10568	5 May.
Dunn, D., Lincoln, Canterbury, N.Z. Vamping appliances	11107	31 Oct.
Durkin, T., and another, Newport, Melbourne, Vic. (See J. B. Zander and J. Cooke, No. 10620.)		
Durward, J., and another, Christchurch, N.Z. Hose-connection	10520	15 April.
Durward, J., and another, Christchurch, N.Z. Hose-coupling or union	11032	3 Oct.
Easton, R., and another, Dunedin, N.Z. Flax-dressing machine	10318	25 Jan.
Edgerton, W., Melbourne, Vic. Wire-fencing	10374	19 Feb.
Edison, T. A., Llewellyn Park, Essex, U.S.A. Concentrating iron-ores and bricking same	11068	17 Oct.
Edison, T. A., Llewellyn Park, Essex, U.S.A. Breaking rock	11069	17 Oct.
Edison, T. A., Llewellyn Park, Essex, U.S.A. Rolls	11070	17 Oct.
Edison, T. A., Llewellyn Park, Essex, U.S.A. Elevator and conveyor	11071	17 Oct.
Edison, T. A., Llewellyn Park, Essex, U.S.A. Forming pulverised iron-ore, coal, &c., into briquettes	11072	17 Oct.
Edison, T. A., Llewellyn Park, Essex, U.S.A. Dryer for drying pulverised iron-ore	11073	17 Oct.
Edwards, E., and another, Paeroa, Auckland, N.Z. Finger-circlet to carry pencil	11223	6 Dec.
Effront, J., Brussels, Belgium. Fermenting worts	11066	17 Oct.
Elder, W. K., and another, Auckland, N.Z. Swingle-tree	10788	12 July
Elder, W. K., and another, Auckland, N.Z. Multi-tine mouldboard for plough	11168	15 Nov.
Eldred, Grace M., Christchurch, N.Z. Attaching dress material, &c., to photographs	10402	2 March.
Electric Reduction Company (Limited), London, Eng. Electrically heating materials in closed chambers. (W. T. Gibbs)	10638	28 May.
Ellershausen, F., London, Eng. Condensing and collecting fumes obtained in the treatment of ores	10902	28 Aug.
Ellershausen, F., London, Eng. Treating refractory sulphide ores	10933	1 Sept.
Ellershausen, F., London, Eng. Treating precipitated lead-fumes and zinciferous lead-ores	11022	29 Sept.
Elliott, E. H., Temuka, N.Z. Acetylene-gas generator and gasometer	11153	12 Nov.
Ellis, P., and another, Wellington, N.Z. Toy cinematograph	10627	27 May.
Ellis, P., and another, Wellington, N.Z. Calculating slide-valves	11211	5 Dec.
Elmore, R. P., Chicago, U.S.A. Bock-drilling machine	11104	29 Oct.
Elworthy, H. S., Havre-des-Pas, Jersey. Manufacturing carbonic acid	10901	23 Aug.
Empire Cash Register (Limited), The, London, Eng. Cash-register. (C. J. Fauvel and N. Collins)	11270	28 Dec.
Enright, T. C., Westport, N.Z. Gate-fastener	10938	31 Aug.
Ensor, C. H., Christchurch, N.Z. Wire strainer and splicer	10382	21 Feb.
"Era" Incandescent Oil Lamp Company (Limited), The, London, Eng. Burner for incandescent oil-lamp. (T. J. Cranston)	11274	29 Dec.
Erson, W. R. C., Onehunga, N.Z. Pneumatic hernia-truss	10980	13 Sept.
Erson, W. R. C., Onehunga, N.Z. Hernia-truss	11106	26 Oct.
Etothene Gas Company (Limited), Sydney, N.S.W. Illuminating and heating gas. (E. Tooth)	10421	10 March.
Etothene Gas Company (Limited), Sydney, N.S.W. Manufacture of calcium-carbide. (E. Tooth)	10422	10 March.
Evans-Jackson, J. E., London, Eng. (See W. E. Hughes, No. 10306.)		
Evans, T. F., Wellington, N.Z. Horse-cover	10308	21 Jan.
Evens, E. L., Malvern, S.A. Window-sash	10859	10 Aug.
Ewen, J. M., Chicago, U.S.A. Prism lights and mountings, and framings therefor	10479	5 April.
Ewen, J. M., Chicago, U.S.A. Prism lights and frames, and mountings for same. (F. C. Soper and F. L. Wright)	10480	13 April.
Fairhead, W., Palmerston North, N.Z. Blackboard	11117	1 Nov.
Fairweather, R., Fremantle, W.A. Key and key-bed for wheel	10705	20 June.
Fairweather, W., Blenheim, N.Z. Flax-stripper, beating-bar, and feed-mouth	10518	15 April.
Fairweather, W., Blenheim, N.Z. Roller washing-machine for flax, &c.	10519	15 April.
Falvey, T., and another, Christchurch, N.Z. Circular billiard-table	10522	16 April.
Fancourt, H., Dunedin, N.Z. Kitchen-range	10312	24 Jan.
Farley, J., Hertford, Eng. Joint for earthenware pipes	10583	13 May.
Farrington, R., and another, Middlesex, Eng. (See W. H. Hand, No. 10725.)		
Fauvel, C. J., and another, London, Eng. (See The Empire Cash Register, Limited, No. 11270.)		
Frost, J. W., Christchurch, N.Z. Reproducing photographs	10356	11 Feb.
Field, M. F., Boston, U.S.A. (See J. Clarke, No. 10431.)		
Fink, M., St. Kilda, Vic. Exhausting air and producing a vacuum	10772	14 July.
Finkler, D., Bonn, Germany. Preparation and extraction of albuminous substances from animal or vegetable products	10596	17 May.
Fitzgerald, C. E., and another, Dublin, Ireland. Packing food	10965	12 Sept.
Fitzgerald, G., and another, Wellington, N.Z. Expansion-joint for pipes	11079	20 Oct.
Fleming, Le. (See under L.)		
Foley, H. J. K., Christchurch, N.Z. Valve-regulator for register-grate	10521	15 April.
Folkerts, J. H., London, Eng. Production of yeast	10757	7 July.
Ford, A., Pyrmont, Sydney, N.S.W. Travelling-trunk fastener	11142	10 Nov.
Fosbery, G. M., and another, Melbourne, Vic. Rotary pulveriser and riddle	10976	15 Sept.
Foster, J., Dunedin, N.Z. Hand driving- and steering-gear for velocipede	10379	22 Feb.
Fraser, A., Yelta, Parramatta, N.S.W. Explosive	11011	28 Sept.
Fry, G., and another, Melbourne, Vic. Rotary pulveriser and riddle	10976	15 Sept.
Fry, G. H., and another, Eltham, N.Z. Branding composition	10853	8 Aug.
Fry, H. E., and another, London, Eng. (See The Smelting Corporation, Limited, No. 11219.)		
Fullwood, H., Carlton, Vic. Door-stop	10920	29 Aug.
Furlonge, F. A., Christchurch, N.Z. Wrapper or bag for preservation of frozen, &c., produce	10485	7 April.
Fyfe, S., Melbourne, Vic. Tin labelling and wrapping machine	10443	18 March.
Fyfe, S., Melbourne, Vic. Bottle-labelling machine	10444	18 March.
Fyfe, S., and another, Port Melbourne, Vic. Tin labelling and wrapping machine	10689	10 June.