

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1897—*continued.*

Name, Residence, and Invention.	No.	Date.
Wedler, A. H. W., Adelaide, S.A. Shower-bath	9944	30 Sept.
Weeks, H. J., Christchurch, N.Z. Order-tablet for housekeepers	10002	15 Oct.
Welch, C. K., Coventry, Eng. Air-valve for pneumatic tire	9210	21 Jan.
Welch, C. K., Coventry, Eng. Wheel	9893	10 Sept.
Welch, H. F., and another, Charleston, U.S.A. Electrolytic apparatus	10178	3 Dec.
Welsh, J., Newcastle, N.S.W. Cycle-driving mechanism. (J. Dredge)	9212	21 Jan.
Wesley, C., Reefton, N.Z. Saving gold	9259	8 Feb.
Wesselmann, B., Gottingen, Germany. Drilling- or boring-tool	9571	28 May.
Wessels, E. J., and another, New York, U.S.A. Air-compressor for vehicle-brake	9652	1 July.
Westbury, H. V., Wellington, N.Z. Cyclists' home-trainer	9589	4 June.
Weston, C. W., and another, New York, U.S.A. Sewing-machine	9312	1 March.
Weston, G., and another, Christchurch, N.Z. Corset-jacket	9721	26 July.
Westwood, F., and others, Birmingham, Eng. Joints for cycle-frame	10242	23 Dec.
Wethered, E. R., Lee, Kent, England. Controlling horses without bit or curb	9676	12 July.
Weymouth, G. A. P., and another, Melbourne, Vic. Coin-operated telephone-instrument	10250	24 Dec.
White, C. S., and another, Christchurch, N.Z. Treating flax	9174	5 Jan.
White, C. S., and another, Christchurch, N.Z. Utilising tow from flax-mills	9340	22 Feb.
White C. S., and another, Christchurch, N.Z. Treating flax	10169	3 Dec.
White, T., Rangiora, N.Z. Barrow-wheel	9815	13 Aug.
White, T. E., and another, Trangie, N.S.W. Cycle driving-gear	9463	22 April.
Whitelaw, A. A., and another, Wellington, N.Z. Billiard-cue tip-fastening	10237	22 Dec.
Whitelaw, J., and another, Wellington, N.Z. Billiard-cue tip-fastening	10237	22 Dec.
Whittle, T., Boston, Eng. Locomotive-engine	9694	17 July.
Whyte, D. M., Sydney, N.S.W. Postal letter-box	10173	1 Dec.
Whyte, J., and another, Melbourne, Vic. Time-table for railways, &c.	9833	27 Aug.
Wichmann, C., London, Eng. Extracting gold	9835	6 March.
Wicks, F., Esher, Surrey, Eng. Type-founding apparatus	9855	2 Sept.
Wight, F., Akaroa, N.Z. Lawn-tennis scoring-machine	9248	1 Feb.
Wight, F., Christchurch, N.Z. Non-refillable bottle	9499	5 May.
Wigzell, E. E., London, Eng. Steam-boiler	9423	8 April.
Willey, E. M., and another, Dunedin, N.Z. Holder for invoice-forms, &c.	9454	21 April.
Wilfley, A. R., Denver, U.S.A. Concentrator	10101	5 Nov.
Wilks, G., Feilding, N.Z. Insecticide-dressing for fruit-trees	9206	20 Jan.
Williams, J. D., and another, Creswick, Vic. Controlling gases in mines	9401	1 April.
Williams, W. F., London, Eng. Bicycle	9689	14 July.
Williams, W. F., London, Eng. Cycle driving-gear	9690	14 July.
Wilson, A. E., and another, Christchurch, N.Z. Horse-collar	10086	2 Nov.
Wilson, F. P., and others, Pahiatua, N.Z. Increasing power of bicycle-crank	10081	2 Nov.
Wilson, G. R., Dunedin, N.Z. Sash-fastener	10078	1 Nov.
Wilson, G. R., Dunedin, N.Z. Velocipede driving gear	10184	4 Dec.
Wilson, H., and another, Christchurch, N.Z. Split-pulley	10210	10 Dec.
Wilson, H., and others, Mangatainoka, N.Z. Increasing power of bicycle-crank	10081	2 Nov.
Wilson, H. L., and others, Mangatainoka, N.Z. Increasing power of bicycle-crank	10081	2 Nov.
Wilson, J., and others, Fitzroy, Vic. Amalgamator and concentrator	9299	25 Feb.
Wilson, W. G., Christchurch, N.Z. Life-belt	10239	21 Dec.
Wilson, W. J., Sydney, N.S.W. Cleanser	9772	11 Aug.
Winch, P. J., and another, Adelaide, S.A. Composition for pneumatic tires	9672	12 July.
Winkelmann, H., Auckland, N.Z. Umbrella	9819	20 Aug.
Winslow, W. H., Chicago, U.S.A. (See J. M. Ewen, No. 10010.)		
Winslow, W. H., Chicago, U.S.A. (See J. M. Ewen, No. 10012.)		
Winslow, W. H., Chicago, U.S.A. (See J. M. Ewen, No. 10013.)		
Winslow, W. H., and another, Chicago, U.S.A. (See J. M. Ewen, No. 10014.)		
Winslow, W. H., Chicago, U.S.A. (See J. M. Ewen, No. 10015.)		
Winslow, W. H., and another, Chicago, U.S.A. (See J. M. Ewen, No. 10011.)		
Wireless-telegraph and Signal Company (Limited), The, London, Eng. Transmitting electrical impulses and signals. (G. Marconi)	9925	21 Sept.
Wishart, D., Dunedin, N.Z. Preparing wool for scouring	9270	2 Feb.
Withey, H., Hastings, U.S.A. (See A. H. Brownley, No. 9405.)		
Wolf, De. (See under D.)		
Wood, A., and others, Glasgow, Scotland. Honeycombing-attachment for sewing-machine	10221	17 Dec.
Wood, F. H., and another, Greytown, N.Z. Composition for coating butter-boxes	9186	11 Jan.
Wood, F. H., and another, Greytown, N.Z. Enamel for lining butter-boxes	9610	14 June.
Wood, H. J., Christchurch, N.Z. Label-attaching device	9735	30 July.
Wood, H. J., Christchurch, N.Z. Dial for weight and cost-indicating sales	9808	18 Aug.
Wood, J., and another, Essex, Eng. Crushing and grading ore, &c.	9695	17 July.
Wood and Claydon, Automatic Stoker, Coal-crusher, Self-feeder, and Smoke-consumer Company (Limited), The, Christchurch, N.Z. Stoking, smoke-consuming, and fuel-economizing apparatus for steam-boilers. (G. Claydon)	9182	8 Jan.
Woodcock, W., Oamaru, N.Z. Automatic finger for removing labels from damping-machine	9284	17 Feb.
Woodhouse, J. S., Papanui, N.Z. Stopper for bottles	9860	1 Sept.
Worland, R., Warrnambool, Vic. Milk-transit can	10040	21 Oct.
Worsley, F. S., Charlton, Eng. (See the British Blahnik Arc Light Company, Limited, No. 10243.)		
Wren, E. J., and another, Invercargill, N.Z. Perambulator-brake	9573	25 May.
Wren, J., and another, Invercargill, N.Z. Perambulator-brake	9573	25 May.
Wright, G. E., and another, Nottingham, Eng. Degreasing leather	9417	8 April.
Wrigley, F. H., Wellington, N.Z. Lever-mechanism for lifting-jacks, &c.	9225	25 Jan.
Wyatt, H., Christchurch, N.Z. Window-fastener	10144	18 Nov.
Wynn, J., Cardiff, Wales. Controlling supply of gas to stove	10140	3 Dec.
Yates, F. S., Masterton, N.Z. Puzzle	9369	22 March.
Young, P. C. K., Lawrence, Otago, N.Z. Varying length of tread on bicycle-crank	10105	5 Nov.
Young Wah. (See under W.)		
Zajonskowski, J., and another, Marton, N.Z. Wool-press	10113	11 Nov.
Zajonskowski, J. L., and another, Marton, N.Z. Wool-press	10113	11 Nov.
Zander, H., and another, Ashburton, N.Z. Cycle-propelling mechanism	9720	23 July.
Zander, H., and another, Ashburton, N.Z. Extension-rod for bicycle-crank	9781	27 July.
Zerener, M. B., London, Eng. Precipitating metals from cyanide solutions	9195	14 Jan.
Ziele, C. W., Dunedin, N.Z. Pocket-knife	9200	12 Jan.