

Applications for Patents.

THE following list of applications for Patents filed in New Zealand 12th December, 1905, to 12th January, 1906, has been specially prepared for PROGRESS.

- No. 20445—Terry, R. J., Hobart: Egg tester.
 No. 20446—Buckeridge, H. Richmond, Nelson: Stooking attachment to reaper and binder.
 No. 20447—Kilgour, E. C., Echuca, Victoria: Acetylene generator.
 No. 20448—Angus, A. R., Neutral Bay, N.S.W.: Running gear for railway cars.
 No. 20449—Angus, A. R., Neutral Bay, N.S.W.: Running gear for railway cars.
 No. 20450—United Shoe Machinery Company, Paterson, U.S.A.: Lasting machine. (W. A. Bond).
 No. 20451—United Shoe Machinery Company, Paterson, U.S.A.: Sewing machine. (W. C. Meyer).
 No. 20452—United Shoe Machinery Company, Paterson, U.S.A.: Rough-rounding and channeling machine. (G. F. Wolfe).
 No. 20453—United Shoe Machinery Company, Paterson, U.S.A.: Fastenings, forming and inserting machine. (G. A. Ambler).
 No. 20454—The Chartered Patents Company, Limited, New York, U.S.A.: Type casting and setting machine. (J. R. & G. A. Pearson).
 No. 20455—Aktiebolaget Separator, Stockholm: Separator. (B. Ljungstrom).
 No. 20456—Hemming, H., Jnr., Hither Green, England: Sterilising and preserving foods, liquids, &c., with gases.
 No. 20457—Philpott, T. S., Newtown, N.Z.: Ventilating window.
 No. 20458—A. B. Robertson and R. W. Bond, New Plymouth: Cow-bailing appliance.
 No. 20459—Robson, R. H., Taihape, N.Z.: Composition for building-blocks.
 No. 20460—Rodgers, S., Tuapeka West, N.Z.: Fish plate for railway rails.
 No. 20461—Rodgers, S., Tuapeka West, N.Z.: Railway rails.
 No. 20462—Steer, J., Napier: Washing fluid.
 No. 20463—Hanson, C. P., Waireka, N.Z.: Non-refillable bottle.
 No. 20464—Walsh, L. A., Remuera, N.Z.: Fish hook or artificial bait.
 No. 20465—Turton, J., Johannesburg, Transvaal: Extraction of metals from ores.
 No. 20466—Lavertine, A. G. and McNellan, J. E., Johannesburg, Transvaal: Inflating rubber tyres.
 No. 20467—Forscutt, S. B., Oamaru: Funnel.
 No. 20468—Matthews, K., Auckland: Treating New Zealand flax.
 No. 20469—Jack, A., Palmerston North, Production of gas from hydro-carbon, etc., oils.
 No. 20470—Cleary, H., Whangarei: Cream cooler and holder.
 No. 20471—Collier, A., Geelong, Victoria: Cheque form.
 No. 20472—Stubbs, F., Auckland: Fixing and tightening steam boiler tubes.
 No. 20473—Pulley, C. F., Wellington: Dressing timber used in wharf building, etc.
 No. 20474—Power, J. J., Glenlyon, Victoria: Wash-board.
 No. 20475—Ehrmann, M. B. L., St. Kilda, Victoria: Manufacture of butter.
 No. 20476—McPhee, J. H. A., Dunedin: Tobacco cutter and box.
 No. 20477—Rodgers, S., Tuapeka West, N.Z.: Fish plate for fastening railway rails.
 No. 20478—Rodgers, S., Tuapeka West: Ratchet nut.
 No. 20479—Moore, D., Timaru: Seed sower.
 No. 20480—Andrews, O., Levin: Vulcanising tyres.
 No. 20481—Barrett, E., Brunswick, N.Z.: Churn and butter washer.
 No. 20482—Reeve, V. R., Matapu, N.Z.: Diverging from service tanks first portion of rain water caught upon roof.
 No. 20483—Kolling, C., Sydney, N.S.W.: Automatic discharge goods elevator.
 No. 20484—Barnes, R., Fitzroy, Victoria: Heels for boots and shoes.
 No. 20485—Angus, A. R., Neutral Bay, N.S.W.: Running gear for railway car.
 No. 20486—Gordon, F. E. A., Palmerston North: Washing fluid.
 No. 20487—Blanchard, A., Wood, H. and Burgoyne, E. A. H., London: Incandescent vapour burner.
 No. 20488—Park, R. P., Melbourne, Victoria: Sluice box for gold saving.
 No. 20489—Hercus, P., Christchurch: Recording movements of persons.

- No. 20490—Lutjohann, J. F., Christchurch: Raising surface of billiard tables.
 No. 20491—Heskett, T. J., Brunswick, Victoria: Iron and Steel manufacture.
 No. 20492—Dunne, R., Dunedin: match striker.
 No. 20493—McNarry, J., Oamaru: Spring key.
 No. 20494—Shephard, W., Adair S., N.Z.: Destroying blight on plants.
 No. 20495—Banks, S. and Jones, E. J. W., Aratapu, N.Z.: Cool safe.
 No. 20496—Garside, J., Dunedin, N.Z.: Sprayer.
 No. 20497—House, H., Melbourne, Victoria: Grain riddle.
 No. 20498—Mackay, J. J., Auckland: Trolley wheel guide.
 No. 20499—Angus, A. R., Neutral Bay, N.S.W.: Railway car gear.
 No. 20500—Bewick, Moreing & Co., Kalgoolie, W.A., and London Wall, England, Decantation of cyanide, etc., solutions. (P. Fitzgerald).
 No. 20501—Sutherland, I., Fitzroy, Victoria: Roundabout.
 No. 20502—Dennison, F. R., Oamaru: Motor speed gear.
 No. 20503—Walker, J. J., London, England: Music recorder.
 No. 20504—Killen, E. B., London, England: Tyre.
 No. 20505—Machine Made Casks, Limited, London, England: Stave preparing machine for casks. (W. Jamieson and R. Burn).
 No. 20506—Machine Made Casks, Limited, London, England: Casks. (R. Burn).
 No. 20507—Matthews, K., Auckland: Flax process.
 No. 20508—Bradbury, R. A., Christchurch: Sleeve waterproof coat.
 No. 20509—Forscutt, S. B., Oamaru: Clamping mattress frame to bedstead.
 No. 20510—Douglas, R. R., Dunedin: Dredge tumbler and shaft.
 No. 20511—Chatfield, E. F., Auckland: Drainer for fish, meat.
 No. 20512—Kirkpatrick, J. S. and Starr, C., Huntley: Railway turn-table.
 No. 20513—Peters, J. F., Auckland: Baking tin.
 No. 20514—United Expedite Finishing Co., Berwick, U.S.A.: Heel finishing machine. (C. B. Tuttle).
 No. 20515—Hatmaker, J. R., Paris, France: Eggs and egg-containing substances in dry form.
 No. 20516—Laycock, W. S., Sheffield, England: Railway carriage, etc., seat.
 No. 20517—Walton, F. J. and Rodgers, L. V., London: Time-table and advertising apparatus.
 No. 20518—Harkins, T., Auckland: Shaping machine for tinsmith.
 No. 20519—Aston, E., Te Kuiti, N.Z., and Thompson, W. H., Ohaiwa, N.Z.: Preventing horses from kicking.
 No. 20520—Grueneberg, C., Poszony, Hungary: Brush drilling and tufting machine.
 No. 20521—Grueneberg, C., Poszony, Hungary: Manufacture of brushes.
 No. 20522—Juriss, M., Wellington: Signalling at night.
 No. 20523—Hughes, W. E., Wellington: Linotype machine. (Linotype and Machinery, Limited).
 No. 20524—Campbell, A. J. and R. H., Edmonton, England: Seltzogene.
 No. 20525—Kyle, T. D., Marrickville, N.S.W.: Preventing decomposition of fish.
 No. 20526—Waters, E. N., Melbourne: Mortar for crushing mill. (J. H. Hendy).
 No. 20527—Macquittsten, A. P. S., Glasgow, Scotland: Separating solid particles.
 No. 20528—Serpellet, L., Paris, France: Steam engine or motor.
 No. 20529—Dineen, T. B., Sydney: Back of detachable leaf ledger, etc.
 No. 20530—Keogh, H. P., Melbourne, Victoria: Treatment of sulphide ores containing zinc.
 No. 20531—Davies, G., Christchurch: Water-jacketed larder.
 No. 20532—Carrington, G., Lake Wanstead, N.Z.: Wire strainer and twister.
 No. 20533—Betts, A. G., Troy, U.S.A.: Electrical conductor.
 No. 20534—Societ. Anonyme Westinghouse and M Le Bland, Paris France: Ejector.
 No. 20535—Hubbard, A. R. and Flay, R., Surrey and Middlesex England: Kitchen range.
 No. 20536—Way, A. J., Wellington, N.Z.: Carburetting air and producing combustible gas.
 No. 20537—Way, A. J., Wellington, N.Z.: Carburetting air and producing combustible gas.
 No. 20538—Harkins, T., Auckland, N.Z.: Manufacture of sheet metal receptacle for tea, etc.
 No. 20539—Hadida, H., London, Cross S F., Birkenhead, and Slingsby, London, England: Affixing stamps or labels to envelopes, etc.
 No. 20540—Bywater, J. D., Christchurch, N.Z.: Mounting of discs in disc ploughs.
 No. 20541—O'Rourke, T. M., Matakita, N.Z.: Scraper attachment to brushes.
 No. 20542—Kelly, W. F. C. and Bentham, J. A., London, England: Photographic dry plates.

- No. 20543—Curwood, A., Campbelltown; Harrison, J., Half-Moon Bay; and Cameron, A., Invercargill, N.Z.: Window sash balance and fastener.
 No. 20544—Dalton, J., Rongotea, N.Z.: Protection of river banks.
 No. 20545—Wright, P., Durban, Natal: Gold, etc., extractor.
 No. 20546—Nield, D., Wellington, N.Z.: Steam engine regulator.
 No. 20547—Henderson, J. W., Karori, N.Z.: Pneumatic tyre protector.
 No. 20548—Wilson, T. L., Ottawa, Canada: Gas whistling and bell buoys.
 No. 20549—Klever, W. F., Cologne, Germany: Manufacture of lubricating and anti-corrosive oils.
 No. 20550—Firth, A. T. C., Auckland, N.Z.: Concrete sleepers for railways, etc.
 No. 20551—Leman, A., Auckland: Boot-polisher.
 No. 20552—Wilson, A. B., Brisbane, Queensland: Line spacer for typewriter.
 No. 20553—Whitelegg, R. H., Forrest Gate, Essex, England: Blast pipe for engine.
 No. 20554—United Shoe Machinery Company, Paterson, U.S.A.: Sole pressing pad. (H. N. A. Devonport).
 No. 20555—Booth, J. H., Jambunna, Victoria: Turn-coupling for fore-carriage of vehicle.
 No. 20556—Leggo, A. V., Ballarat, Victoria: Ore furnace.
 No. 20557—Todd, J., Otautau, N.Z.: Spreader for draught chains.
 No. 20558—Kensall, E., Papanui, N.Z.: Motor-driven friction hoist.
 No. 20559—McDonald, H. E., Petone, Wellington, N.Z.: Spanner.
 No. 20560—McDonald, H. E., Petone, Wellington, N.Z.: Pipe wrench.
 No. 20561—Bell, H. C., Ballarat Victoria: Hat and clothing cabinet.
 No. 20562—McDonald H. E., Petone, Wellington, N.Z.: Pipe Wrench.
 Full particulars and copies of the drawings and specifications in connection with the above applications, which have been completed and accepted, can be obtained from Baldwin & Rayward, Patent Attorneys, Wellington, &c.

Wireless Telegraphy.

CONNECTION BETWEEN AUSTRALIA AND NEW ZEALAND.

Captain L. E. Walker (Third Battalion Durham Light Infantry), representative of the Marconi Wireless Telegraph Company, recently arrived in the colony to confer with Sir Joseph Ward regarding the establishment of communication by wireless telegraph between New Zealand and Australia. Captain Walker has the promise of the Commonwealth Postmaster-general, Mr. Austin Chapman, that if New Zealand will reciprocate in a wireless telegraph scheme, the Government will consider the advisability of calling for tenders for the installation of a high power station somewhere on the coast. The object of this station, he explains, would be to open up communication with New Zealand, Tasmania, and some of the islands in Bass Straits. At the present time the Marconi Company is carrying out practically the entire naval and commercial application of wireless telegraphy throughout the world. A few of the contracts are those with the Governments of Great Britain, Italy, Canada, Newfoundland, Belgium, United States, Russia and Chili; the Congo Free States, Lloyd's, and the principal British, German, American, Dutch, Italian, and French shipping companies. The Admiralty contract gives the Company the sole right of supplying British men-o'-war with tuned wireless apparatus. With the Board of Trade the Company's contract is for the use of the apparatus on board lightships and on lighthouses.

The contract with the British Postmaster-general provides for the collection of messages for transmission to ships at sea, and the delivery of all messages received from ships at sea. In the first three months of the arrangement being in force—from January 1st to March 31st, 1905—no less than 1766 messages were dealt with by the post office. The contract with Lloyd's is a most important one, being for a period of fourteen years. The contract with Canada covers the long distance station at Glace Bay, Cape Breton, which, since 1902, has been able to communicate with Poldhu, Cornwall. It also covers the two stations communicating across the Belle Isle Straits, established in 1901, and it provides, furthermore, for the five stations on the St. Lawrence for the purpose of rendering safer the navigation of this dangerous river, as well as for the opening up of an efficient substitute for the land line service along the shores of the St. Lawrence.