

Applications for Patents.

THE following list of applications for Patents, filed in New Zealand during the month ending 15th October, has been specially prepared for PROGRESS.

- 21792—P. Klien Riga, Russia: Aluminates, etc., manufacture
- 21793—J. M. Rauhoff, Tinley Park, U.S.A. Rendering cement or concrete waterproof.
- 21794—Merrell (Soule Company), Syracuse, U.S.A.: Recovering solids of liquids.
- 21795—T. Southerland, Rangiora: Packing honey.
- 21796—G. Michalopoulos, Auckland: Stove for heating tailor's irons.
- 21797—J. R. Rusden, Perth, W.A.: Stamping hats, boats, etc.
- 21798—C. F. Boneskete, Shannon, U.S.A., and R. B. Rutherford, Aureha U.S.A.: Wire stretcher and splicer.
- 21799—G. R. Bonnard, London, Eng., G. W. Beynon Mortimer, Eng., and G. C. Mackillop, Stratford-on-Avon, Eng.: Pulverising and crushing apparatus.
- 21800—G. Lee, Martonborough Cigarette roller.
- 21801—J. B. Poynter, Wellington. Fire lighter.
- 21802—J. Fenton, Auckland. Cock-box
- 21803—T. B. Sutton, Rongotea, and E. Toms, Palmerston North: Billiard-table attachment.
- 21804—The Hydraulic Hand Milker Company, Limited, Wellington: Milking machinery. (G. Hutchinson).
- 21805—G. T. Girdler, Auckland: Explosive-engine and air compressor.
- 21806—C. Marriott, Bairnsdale, Vic.: Puncture-stop composition for tyres.
- 21807—A. Just, F. Hanaman, and Vereingte Gluhlampen and Electricitats-Aktien-Gesellschaft, Budapest, Hungary, and I. Salzmann, Vienna, Austria: Incandescing filaments for electric lamps.
- 21808—E. W. Ackland, Dunedin: Conduits for electric cables and wires.
- 21809—A. Small, jun., Tomahawk: Teat-cup of milking machine.
- 21810—I. G. Macfarlane, Ngaruawahia: Spraying apparatus.
- 21811—R. W. E. MacIvor, London, Eng. Treatment of ores containing gold.
- 21812—The Imperial Fibres Syndicate, Limited, London, Eng.: Scutching, etc., hemp. (T. Burrows and W. H. Palmer).
- 21813—A. Beeby, Christchurch: Washing-compound.
- 21814—K. Matthews, Wellington Ink, etc., bottle.
- 21815—C. G. Dickeson, Auckland Blackboard frame.
- 21816—G. F. Wight, Auckland. Pen or pencil attachment.
- 21817—C. B. and G. W. Plummer, Auckland: Fibre-dressing process.
- 21818—W. Sim, Underwood Milking machine.
- 21819—J. D. Smith and J. J. Scott, Dunedin: Railway-track door.
- 21820—A. A. Adams, T. Sears, and W. F. Fair, London, Eng. Dasher for churn
- 21821—A. Johnston, Wellington Desk-lid support.
- 21822—R. Hannah and Co., Limited, Wellington: Boot upper. (H. Chambers).
- 21823—H. H. Reimers, Auckland Steamer for dairying purposes.
- 21824—T. Vivian, Auckland Egg-preserving process.
- 21825—S. Hanham, Auckland Self-counter-sinking screw.
- 21826—V. S. Aston, Gisborne Flax-treating solution.
- 21827—T. J. Wathew, Auckland Bath water-heater.
- 21828—Ozonair (Limited) London, Eng.: Ozonising atmospheric air (E. L. Joseph)
- 21829—H. P. G. Steedman, London, Eng. Match-making machine.
- 21830—H. P. G. Steedman, London, Eng. Match.
- 21831—J. J. Macky, Auckland Connecting trolley-wheel to electric wire
- 21832—W. Middleton and H. N. G. Cobbe, Kalgoorlie, W.A.: Grinding pan
- 21833—United Shoe Machinery Company, Boston, U.S.A.: Skiving-machine. (F. L. Alley and W. Pack)
- 21834—J. A. Linley, London Eng. Food preservation (A. E. Sherman and J. B. Linley).
- 21835—United Shoe Machinery Company, Paterson, U.S.A.: Machine for inserting fastenings. (T. Briggs).
- 21836—C. Reeve, Eketahuna Exterminating weeds by electricity.
- 21837—A. Lyell, Wellington Non-refillable bottle.
- 21838—H. M. Keesing, Auckland Securing carpets in position.
- 21839—C. F. Griffiths, Auckland Vibrating apparatus.
- 21840—W. G. Richardson, Auckland Treatment of *Phormium tenax*.
- 21841—W. G. Richardson, Auckland Utilising waste flax for cattle food.
- 21842—C. A. Nielsen, Port Ahuriri, and R. S. Alward, Wellington Trawling-net.
- 21843—W. J. Bell, Inaha, Horse controller.
- 21844—J. Anderson, Dunedin Pasteuriser or milk-heater
- 21845—J. Langford, Waihi Amalgamator.
- 21846—F. Bower, New Plymouth Chair-back protector.
- 21847—W. Morton, Dunedin Non-shipping shears,
- 21848—H. G. Willms, A. Broad, and C. G. Crolly, Dunedin Brush or broom making.
- 21849—J. H. Hickman and J. Whitelaw, Wellington: Show case.
- 21850—J. H. Hickman and J. Whitelaw, Wellington Show case
- 21851—T. Dawson, Maraekakaho: Chock for steadying oil engines and vehicles, etc.
- 21852—E. W. Thurgar Auckland Pincer for removing rivets from jewellery, etc.,
- 21853—J. S. Douglas, Dunedin Obtaining gold from river beds.
- 21854—T. S. James, London Internal combustion engines.
- 21855—J. H. Hickman and J. Whitelaw, Wellington. Iron-sand separator.
- 21856—A. J. Edwards, Auckland Trolley pole controller
- 21857—De Bokleosky, Chaterinbourg, Russia: Centrifugal amalgamator.
- 21858—P. McKay, G. Cather, A. Gericke, and J. Hogan, Day Dawn, W.A.: Drill Chuck.
- 21859—W. W. Mackie, Eahng, Eng. Dynamo electric machine and electric motor.
- 21860—N. C. J. Nightingall, Melbourne, Vic.: Filter for water taps
- 21861—J. Kimberley Horsham, Vic.: Drafting gates for stock sheep and cattle
- 21862—F. Jennings, Wellington Ledger.
- 21863—C. F. K. H. Foot, Ashley Chinton Gas lighter.
- 21864—A. Woods, Auckland Address holder.
- 21865—W. E. Murray, Edinburgh, Scotland: Steady foundations, for floating staunchions.
- 21866—C. E. Bettany, Nelson Frying pan cover.
- 21867—R. Crawford and H. Tattersall, Auckland Hot-water system.
- 21868—W. Aggers, Auckland Easy chair
- 21869—W. E. Clayley, Alexander, Auckland:
- 21870—H. J. Corter and N. R. Dike, Munyan, Vic.
- 21871—T. F. Macdonald, A. G. Smith, and A. E. Oppenheim Wellington: Cookery utensil.
- 21872—E. V. Moller, Meenyan, Vic.: Adjusting and locking window sashes.
- 21873—W. F. Dugins, Kew, Vic.: Road cleaner or sweeper
- 21874—T. M. Breck, Karamea Gold saving.
- 21875—R. Forrest, Auckland Suspending saucepan, etc. lids
- 21876—F. Cotton, Hornsby, N.S.W. Removing sulphur arsenic, etc., from ores
- 21877—B. F. Boulton Auckland Dumb bell
- 21878—J. M. Craigie, Dunedin Boot.
- 21879—J. Grant, Leichhardt, N.S.W. Prevention of fires by spontaneous combustion in baled goods
- 21880—C. A. Schauer, Wellington Fumigating apparatus
- 21881—H. North Wellington Upholstering springs and supports
- 21882—J. Cook, Wellington Trolley head
- 21883—W. E. Hughes Wellington J. F. Sicely, and G. Cummings, Marton Preventing combustion of baled goods
- 21884—W. M. Norrie Auckland Acetylene gas generator
- 21885—G. Cummings, Marton Wool Press.
- 21886—W. B. Curtis Auckland Stripping and washing flax
- 21887—R. Millar Dunedin Spraying machine
- 21888—C. K. Cook Dunedin Truss
- 21889—T. W. Stoddart, Bristol Eng. Liquid distributor for sewage
- 21890—C. A. Kidd Christchurch Vehicle tyre
- 21891—A. Johnston Wellington Desk-lid bracket
- 21892—W. E. Hughes, Wellington, J. F. Sicely, and G. Cummings, Marton Preventing spontaneous combustion in baled goods.
- 21893—J. J. and J. B. Salmon, Dunedin Tyre cover.
- 21894—L. H. Gilmer, Christchurch Ensuring cleanliness in boot etc polish
- 21895—B. G. A. Harkness Stratford Potato planter.

- 21896—A. Batty, Auckland Envelope opener.
- 21897—A. Ridd, Waipuku: Milking machine.
- 21898—C. C. Woledge, Christchurch: Electric arc lamp
- 21899—W. E. Hughes, Wellington, and F. G. King, Redfern.
- 21900—J. Gordon, London, Eng.: Applying glass etc. tiles to walls
- 21901—A. A. Stephenson, C. P. Kelly, and J. B. Zander, Melbourne Incandescent lamp and burner.
- 21902—A. A. Stephenson, C. P. Kelly, and J. B. Zander, Melbourne. Hydrocarbon vaporiser for lamps.
- 21903—C. Goldman, Wellington. Combination lounge and bed.
- 21904—G. T. Booth, Christchurch: Flax stripper.
- 21905—J. Johnson, Invercargill H. H. C. Nicholls, Edendale Scaffolding bracket
- 21906—F. A. Rich, Auckland, and S. B. Christy, Berkeley, U.S.A. Electrodes for recovery of metals
- 21907—E. W. Thurgar, Auckland: Pipe.
- 21908—W. J. Bell, Inaha Link.
- 21909—A. Whitney, Melbourne Target.
- 21910—G. Gray, Dunedin. Coulter Clamp
- 21911—F. H. Burbush Auckland Butter cooler.
- 21912—J. Ramage, Balclutha. Milk strainer.
- 21913—E. W. Gawne Dunedin: Toothache cure.

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, Auckland, Christchurch, Dunedin, &c.

Colombo's Splendid Harbour.

Colombo harbour has been constructed at the expense, and under the direct supervision, of the Ceylon Government. The foundation stone of the famous south-west breakwater was laid by King Edward when, as Prince of Wales, he visited India in 1875. This breakwater, which is fourteen hundred yards long, was completed in 1885 at a cost of £700,000; but before it was finished designs were prepared for a further extension of the works, which were to include the construction of a north-east breakwater three hundred and thirty yards long, and a detached island breakwater nine hundred yards long, situated between the two others. While the work was in progress it was decided to construct a graving dock, the cost of which, including additions when complete, would amount to £348,700. The dock, which is eighty-five feet broad, and has a depth at high water of thirty-two feet, will, when finished at the end of this year, be larger than any of the docks at Bombay, Singapore, or Hong-kong, none of which exceeds five hundred feet. It will take the largest ship afloat in the Navy, not excluding the Dreadnought.

It may here be interesting to give a few facts indicative of the growing prosperity of the island under Crown Colony rule. A salient fact is the growth of the revenue, now amounting approximately to £2,100,000, which has increased more than a hundred per cent. during the past fifteen years by regularly maintained leaps and bounds. Although extensive public works have been undertaken by the Ceylon Government, including, besides the harbour works at Colombo, the construction of five hundred and sixty miles of State railways, the public debt of the colony does not exceed £5,000,000, and under existing arrangements this will be entirely extinguished in the year 1948. The debt works out at about £1 8s per head of the population, as compared with £54 11s in Australia, £68 10s. in New Zealand, and £13 11s. in Canada. The unexampled rise in revenue, with the constantly recurring surplus of receipts over expenditure, is doubtless due to the thrifty system of administration of the Ceylon Government, which bears favourable comparison with the speculative policy of the self-governing Colonies, whose Governments are financially independent of Colonial Office control.

Mammoth German Liner.

It is reported in Belfast that the Hamburg-American Line after long consideration, have decided to build a vessel designed to eclipse the new mammoth Cunarders, both in size and speed. No details of her construction have as yet been decided upon, and it is not determined whether she is to be driven by turbine or reciprocating engines. Messrs Harland and Wolff, it is understood, have booked the order for the construction of the vessel.