

Applications for Patents.

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

- 21301—F. J. Mahoney, Christchurch: Ventilating system.
- 21302—D. and F. W. Smith, Christchurch: Golosh.
- 21303—W. V. Gilbert, Port Elizabeth, South Africa: Toy.
- 21304—R. Watson, Lochiel: Non-refillable bottle.
- 21305—J. M. O'Neil and R. A. Marsh, Dunedin: Trolley-wheel bearing.
- 21306—C. L. K. H. Foot, Takapau: Igniting gas.
- 21307—M. W. Winter, Wellington: Skirt holder.
- 21308—D. L. Turner and J. R. Paterson, Wellington: Coating for butter boxes.
- 21309—J. Hopkirk, Hawera: Pump.
- 21310—J. S. Hawkes, Wellington: Milk can.
- 21311—D. Urquhart and C. Sloper, Smithfield: Cutting, washing, etc., sheep paunches.
- 21312—D. Urquhart and C. Sloper, Smithfield: Hydro-extractor.
- 21313—J. A. Belk, Feilding: Rail joint.
- 21314—H. E. McDonald, Petone: Attaching tag to hemp bale.
- 21315—J. T. Renouf, Wellington: Generating electricity.
- 21316—A. Ridd, Waipuku: Milking machine.
- 21317—A. Ridd, Waipuku: Pneumatic teat cup.
- 21318—J. Irvine, Napier: Fastening fencing wire to standard.
- 21319—T. Crompton, Christchurch: Glazing bars.
- 21320—E. Lockerbie, Mairai: Adjustable tap.
- 21321—S. F. Womersley, Traralgon, Vic.: Butter weigher.
- 21322—W. Harvey, Auckland: Strainer and aerator.
- 21323—C. J. Neunhoffer, Melbourne, Vic.: Tyre valve.
- 21324—J. Nicolson, Riverton: Trolley brake.
- 21325—M. Bowles, Auckland: Reaming pipes and tubes.
- 21326—C. A. Beal, Mornington: Folding gates and partitions.
- 21327—J. Walcott, Dunedin: Coal, etc., elevator.
- 21328—T. E. Bridger, Dunedin: Extracting teeth.
- 21329—S. Millar, Eweburn: Harvester.
- 21330—F. B. C. Allen, Perth, W.A.: Lock nut and bolt.
- 21331—R. O. Jarrett, Feilding: Disc-loading bar and dumb bells.
- 21332—W. Nikolsky, St. Petersburg, Russia: Recovery of solvents used in making explosives.
- 21333—A. J. Fortescue, Sydney, N.S.W.: Wheel tyre.
- 21334—Maganite Explosives Syndicate, Limited, Cape Town: Explosive manufacture. (H. C. L. Bloxam).
- 21335—J. L. Kirkbride, Auckland: Street sweeper.
- 21336—A. J. Edwards, Auckland: Trolley-pole controller.
- 21337—J. G. Dawson and P. O'Sullivan, Christchurch: Cooking utensil.
- 21338—L. Schmidt, Hackney, S.A.: Tyre.
- 21339—L. Friedenreich, Thornleigh, N.S.W.: Yeast-making.
- 21340—T. Warsop, Nottingham, Eng.: Rock drill.
- 21341—N. R. Gordon, Melbourne, Vic. Flying machine.
- 21342—T. Beckett, Rongotea: Propelling vessels.
- 21343—J. Stewart, Gore: Shifting spanner.
- 21344—G. Gray, Dunedin: Seed sower.
- 21345—T. Bush, Wellington: Cap.
- 21346—J. Cook, Wellington: Trolley head.
- 21347—E. Oliver, Wellington: Sewing machine.
- 21348—A. L. J. Tait, Dunedin: Flax washing and drying.
- 21349—F. A. Alcock, Melbourne, Vic.: Billiard and dining table.
- 21350—J. W. Andrew, Otahuhu: Urinal silencer.
- 21351—G. Carder and J. E. Owen, Auckland: Cesspit and gully-trap.
- 21352—G. Carder and J. E. Owen, Auckland: Cesspit and gully-trap.
- 21353—W. Smith, Gore: Boot and shoe protector.
- 21354—H. Coale, Baltimore, U.S.A.: Artificial cork.
- 21355—P. G. Neuernberger and G. Rettig, jun., Chicago, U.S.A.: Type-casting machine.
- 21356—P. G. Neuernberger and G. Rettig, jun., Chicago, U.S.A.: Type-casting moulds.
- 21357—J. Sutcliffe, Burnley, Eng.: Forced draughts for fire engine, etc.
- 21358—H. W. Fox, London, Eng.: Electricity storage.
- 21359—E. A. Gieseler, Berlin, Ger.: Gravity filter.
- 21360—L. S. Sawtell and J. S. Hawkes, Wellington: Tobacco-pipe attachment.
- 21361—K. Matthews, Auckland: Automatically silencing telephone bells.
- 21362—R. E. Hay, Seddon: Boring tool.
- 21363—J. Mitchell, Auckland: Sewage treatment.
- 21364—United Shoe Machinery Company, Paterson, U.S.A.: Machine for assembling parts of boots and shoes (O. Ashton).
- 21365—United Shoe Machinery Company, Paterson, U.S.A. Pounding-up machine. (O. Ashton).
- 21366—J. F. Clarke, Hunter's Hill, N.S.W.: Filling bottle with liquid.
- 21367—C. A. Jarvis, London, Eng.: Delivering quantities of disinfectant to flushing cisterns.
- 21368—H. Watt, Melbourne, Vic.: Fastening and label check device.
- 21369—R. P. Park, South Melbourne, Vic.: Centrifugal pump.
- 21370—W. M. Jamieson, Onehunga: Pneumatic centre for wheels of bicycles, etc.
- 21371—R. Rayson, Windsor, Vic.: Cooling storage rooms.
- 21372—G. W. Pointon, sen., New Farm, Q.: Perpetual motor (C. Pointon).
- 21373—L. G. Abrams, Sydney, N.S.W. Construction of brooms or brushes. (J. Mather-son).
- 21374—C. Rask and E. A. Cameron, Invercargill: Sheep-dipping apparatus.
- 21375—C. F. Gardner, New Lynn, and R. O. Clark, Hobsonville: Advertising.
- 21376—P. J. Gossling, Auckland: Advertising medium.
- 21377—C. Suggate and W. E. C. Alexander, Auckland: Ore-refining furnace.
- 21378—W. A. Wilson, Auckland: Connector for connecting electric circuits.
- 21379—W. T. Howse, Auckland: Fire kindler.
- 21380—J. O. Galbally, Wellington: Window sash.
- 21381—J. W. Hardley, Auckland: Bending and shaping metals.
- 21382—C. B. Smith, Dunedin: Cushion tyre.
- 21383—W. F. C. Kelly and J. A. Bentham, London: Development of photographic plates, etc.
- 21384—H. G. F. Clear, Greymouth: Ironing stand.
- 21385—A. H. Bridger, Dunedin: Boot heel.
- 21386—J. Ritchie, Dunedin: Lamp.
- 21387—R. Newman, Christchurch: Pudding boiler.
- 21388—W. Grace, Invercargill: Foot warmer.
- 21389—A. Ashcroft and C. Strachan, Auckland: Bicycle and motor wheel.
- 21390—A. H. Brookes and E. Broughton, Auckland: Preventing clogging of sink pipes.
- 21391—E. B., N. H., and M. K. Mackenzie, Ultimo, N.S.W.: Horse-shoe-making machine.
- 21392—S. Wilson, Wanganui: Room grate and fireplace.
- 21393—W. Leckie, St. Kilda, Vic.: Metallic foot-plate.
- 21394—W. E. Hughes, Wellington: Casting curved stereotypes. (The Printing Machinery Company, Limited—H. A. W. Wood).
- 21395—D. C. McArthur, Belfast: Gate fastener.
- 21396—C. J. Ladbroke, Bluff: Perambulator, etc., wheels.
- 21397—M. Kennedy, Timaru: Ointment.
- 21398—T. Sampson, Wellington: Automatic time switch.
- 21399—E. G. Gresham, Onehunga: Toaster and grill.
- 21400—R. Newman, Christchurch: Detachable cake tin.
- 21401—L. Serpollet, Paris, France: Heating steam generators by liquid fuel.
- 21402—W. V. Paley, Charters Towers, Q.: Centrifugal fans.
- 21403—C. R. Rogers, South Melbourne, Vic.: Treating fibrous material.
- 21404—C. G. Merkley and H. C. Jessep, Sydney, N.S.W.: Trolley-wire clip.
- 21405—Aktiebolaget Separator Stockholm, Sweden: Mechanism for milking machine. (B. and F. Ljungstrom).
- 21406—K. Birkeland and S. Eyde, Christiania, Norway: Treating materials at high temperature.
- 21407—R. Martin, Wellington: Show case for pictures.
- 21408—C. Tandy, Wellington: Shearing machine.
- 21409—P. Ellis, Kilbirnie: Motor.
- 21410—A. Loft, Gisborne: Fencing post.
- 21411—J. Brown, Melbourne: Stump extractor.
- 21412—P. J. Brown, Naseby: Valve for water pipes.
- 21413—G. Young, Smithfield: Beef tree hook. (R. Erskine).
- 21414—J. and W. J. O'Hara, Papatoitoti: Adjustable fastenings.
- 21415—W. Coyle, Devonport: Lock shackle.
- 21416—R. R. Douglas, Dunedin: Dredge tumbler.
- 21417—A. Schultze, Greymouth: Cycle stand.
- 21418—R. W. Aldridge, Christchurch: Electric bracelet.
- 21419—E. J. Toy, Carnarvon: Fire kindler.
- 21420—C. E. Wildbore and J. D. McLaurin, Pohangima: Testing hemp, etc., bales for heat or moisture.
- 21421—J. W. Mackay, Wellington: Clothes-prop attachment.
- 21422—T. D. Cummins, Wanganui: Ascertaining temperature of baled goods.
- 21423—R. Z. Garrett, Otahuhu: Bed chamber.
- 21424—W. Levesley, Springsure, Q.: Enabling telegraph stations to communicate with each other.
- 21425—C. L. K. H. Foot, Ashley-Clinton: Gas burner.
- 21426—J. S. McPherson, Wakefield: Axe sheath.
- 21427—United Shoe Machinery Company, Paterson, U.S.A.: Supporting and positioning work in boot or shoe machine. (E. E. Winkley).
- 21428—United Shoe Machinery Company, Paterson, U.S.A.: Jack for supporting and positioning work in boot or shoe machine. (E. E. Winkley).
- 21429—G. Westinghouse, Pittsburg, U.S.A.: Elastic-fluid turbine.
- 21430—O. Kjellström, Stockholm: Concrete pipes.
- 21431—E. Cantono, Rome: Explosion-engine starting device.
- 21432—J. A. Paterson, Canterbury: Making incandescent oil gas.
- 21433—E. A. Cameron, Invercargill: Bottle and stopper.
- 21434—P. E. Barker, Yass, N.S.W.: Seed planting tool.
- 21435—F. A. Hill, Paparoa, N.Z.: Rifle sight.
- 21436—P. McKay, G. Gray, D. Gray, Daydown, W.A.: Telescopic buffer for vehicles.
- 21437—G. H. B. Lockett, Gisborne: Testing heat or moisture in bales of wool, flax, etc.
- 21438—R. F. Flood, Dargaville: Water filter.
- 21439—J. Whvte, Christchurch: Tie frame.
- 21440—E. J. Kee, Christchurch: Twitch weeding implement.
- 21441—G. H. Tiller, Christchurch: Device for retaining carpets in a roll.
- 21442—J. Bary and T. Brandon, Renwick: Flax taylor.
- 21443—J. J. Anderson, Surrey Hills, N.S.W.: Treating kapoc and fock.
- 21444—A. McLeod, Dunedin: Diving-dress.
- 21445—J. J. Bryers, Rawere: Fire place.

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.

Kerosene Oil Lamp.

The new incandescent kerosene oil lamp is the latest production of the Welsbach Light Co. after many years of careful experiment. The result is that a perfect light has been produced by means of kerosene oil with a mantle. The light given by this means is 60 c.p., or equal to an ordinary incandescent gas burner. The saving of oil effected is guaranteed by the Company to be not less than one-third that of any ordinary lamp, while the light itself is in advance.

The mechanism of the lamp may be said to be *nil*—its simplicity is only equalled by the brilliancy of the light—it is perfect. There is nothing to get out of order, a simple burner with a circular wick is covered on the top by a contrivance called the spreader. This is heated by the flame of the wick, and is finally turned down on to the wick, thus converting the oil into gas. The extra heat obtained by this means is sufficient to cause the mantle to become incandescent, and thus is produced a light, soft, bright and steady, as well as of great penetrating power. It contains an illuminating power which enables the weakest eyes to read without any feeling of tiredness, and should prove of great value to those who have need of a light to study or read by at night. Since the lamp has been put on the market, both here and in Australia, its sales are stated to have been very marked.

The three large boilers which have done service at the Calliope Dock, Auckland, for some years, have just been replaced. Mr. Masefield, an Auckland ironfounder, offered to buy them at £5 apiece. The Harbour Board declined to sell them at that price, and submitted them to public auction. They were knocked down to Mr. Masefield at 6s. 8d. each—£1 for the lot, not sufficient to pay for the expenses of the auction!