

NEW BOOKS AND PUBLICATIONS. A PRACTICAL HANDBOOK OF THE CARE AND MANAGEMENT OF GAS ENGINES. By G. Lieckfeld, C.E. Authorized translation by G. Richmond, M.E. With instructions for running oil engines. New York: Spon & Chamberlain. London: E. & F. N. Spon. 1896. Pp. xiv, 103. Price \$1.

The subject of this book, which is very concise, is really the running of an "Otto" gas engine and of a "Hornsbly-Akroyd" oil engine. It is fair to say that one who has mastered these two engines will be in good condition to cope with any motor placed before him, as they are typical and standard machines. The "Testing Card" and "Treatment of Derangements" are samples of the headings. We note especially that the section on the oil engine is written by Mr. George Richmond, M.E., of the De la Vergne Company, an engineer of high standing, who has been identified with the development of oil engines in this country.

DR. JAMESON'S RAID: ITS CAUSES AND CONSEQUENCES. By Rev. James King. New York and London: George Routledge & Sons. Pp. 180. Price, paper, 50 cents.

This is a concise handbook on the political situation in South Africa, supplying information respecting the Boers and their country, as well as treating of the Jameson raid. The story is told from the time of the first Dutch colonization, and the book also has an account of the diamond and gold fields of the Rand.

CHRISTIANITY AND OUR TIMES. By R. P. Brorup. Chicago: International Book Company. 1895. Pp. 228. Price 25 cents.

THE PSYCHOLOGY OF ATTENTION. By Th. Ribot. Authorized translation. (Third revised edition.) Chicago: The Open Court Publishing Company. 1896. Pp. viii, 120. Price 75 cents. Paper 25 cents.

OBSERVATIONS OF A BACHELOR. By Louis Lombard, author of "Observations of a Musician," "Love's Sufferings," composer of the opera "Juliet," and founder and director Utica (N. Y.) Conservatory of Music and School of Languages. Utica, N. Y.: L. C. Childs & Son. Pp. 151. Price 50 cents.

Beginning May 24, the American Wheelman, whose name is symbolic of originality and enterprise, will begin the publication of a daily cycling paper in New York City. There are now more than one hundred thousand cyclists in the metropolitan district, so that there will undoubtedly be adequate support. The weekly edition will not be injured by the daily; in fact, it will be improved. It is evidently the intention of the publishers to conduct it upon a high plane, for the editor says: "It will be our aim to make the weekly American Wheelman a high class literary and technical journal, combining the characteristics of Harper's Weekly and the SCIENTIFIC AMERICAN." We wish our contemporary every success in their new venture.

TO INVENTORS

An experience of nearly fifty years, and the preparation of more than one hundred thousand applications for patents at home and abroad, enable us to understand the laws and practice on both continents, and to possess unequalled facilities for procuring patents everywhere. A synopsis of the patent laws of the United States and all foreign countries may be had on application, and persons contemplating the securing of patents, either at home or abroad, are invited to write to this office for prices, which are low, in accordance with the times and our extensive facilities for conducting the business. Address MUNN & CO., office SCIENTIFIC AMERICAN, 361 Broadway, New York

INDEX OF INVENTIONS

For which Letters Patent of the United States were Granted May 5, 1896,

AND EACH BEARING THAT DATE

[See note at end of list about copies of these patents.]

Table listing inventions with patent numbers and dates. Includes items like 'Advertising device, I. Roesch', 'Air cushioning apparatus, R. Miehle', 'Alarm, See Burglar alarm', 'Album lock, Vorpahl & Pohl', 'Armature for electric motors and dynamos, Fiske & L. H. Hildreth', 'Autoharp, J. S. Back', 'Awnings, device for operating roller, A. L. Clark', 'Axle box lubricator, car, J. S. Patten', 'Baby walker, convertible, Welland and Thomas', 'Baking pan attachment, J. Lacroix', 'Bale tie, A. S. Gooch', 'Bearing, anti-friction shaft, C. W. Pierce', 'Bed lounge, L. G. Hirk', 'Bees from insects, device for protecting, P. Smith', 'Bedstead rail plate, H. S. Hart', 'Bee smoker, Street & Garrett', 'Bell, bicycle, M. L. Carpenter', 'Belt, electric, Moore & MacCulloch', 'Bicycle, C. G. Dieterich', 'Bicycle and vehicle, combined, J. Trancie-Armand', 'Bicycle attachment, A. H. Winger', 'Bicycle or tricycle wheel, A. J. Wolff', 'Bicycle pedal, S. O. Jones', 'Bicycle pump attachment, L. G. Spencer', 'Bicyclest or support, J. M. Gaston', 'Bicycle support, F. J. Werneth', 'Bicycles, change speed gearing for, J. Munden', 'Billiard table, pocket, P. M. Cunningham', 'Bleaching agents, process of and means for producing, C. Kellner', 'Blower, rotary, T. W. Green', 'Boiler, See Steam boiler', 'Bottle filling apparatus, F. E. McKay', 'Bottle stopper, A. G. Carlson', 'Bottle, two compartment, H. Gallagher', 'Bowling alley indicator, F. Becker', 'Box, See Car sand box. Journal box. Music box. Spool box', 'Bracket, See Door guide bracket', 'Brake, See Elevator brake', 'Breaching strap, B. P. M. Lang', 'Bridge flooring, C. E. Fowler'

Table listing inventions with patent numbers and dates. Includes items like 'Broom, L. C. Richardson', 'Brush, bath, F. H. Bloemker', 'Brush, horse, R. P. Caffery, Jr.', 'Burglar alarm, T. J. Sutton', 'Burial casket, W. C. Lautner', 'Burner, See Hydrocarbon burner', 'Butter or cheese cutter, L. W. Merriman', 'Butter purifying compound, J. W. Terman', 'Cake pan, J. C. Wirt', 'Calcing furnace, A. M. Wethey', 'Can closure, oil, B. A. Beal', 'Car coupling, D. K. Clark', 'Car coupling, automatic, J. Wagner', 'Car door lock, A. A. Andersen', 'Car stamping, M. Do. Page', 'Car fender, H. Burden', 'Car sand box, C. H. Taylor', 'Car sign, J. J. Dolan', 'Car sleeping, L. F. Ruth', 'Cars, etc., bolster for, J. W. Cloud', 'Carriage electric car, Round', 'Carding engines, mechanism for grinding flats in, J. C. Potter', 'Carpet cleaner, C. Scharrer', 'Carriage and cradle, combined, C. G. Falter', 'Case, See Eyeless case. Photographic case. Physical force case. Piano case', 'Cash carrier, Gipe & Hildreth', 'Caster, ball, G. J. S. Collins', 'Casting metallic beds, mould used in, P. H. Melion', 'Cement, H. Mizuhara', 'Chain making machine, R. A. Breul', 'Chair, See Folding chair', 'Chenille fabric, wove, L. Binns', 'Chimney cap and ventilator, W. J. Kayser', 'Chute, coal, W. W. Sperry', 'Clamp, See Rope clamp. Wheel rim clamp', 'Clay, etc. machine for cutting, Winkelmeyer', 'Cleaning apparatus, Leonard & Brick', 'Cloth singeing apparatus, H. T. Saborn', 'Clothes wringer, T. W. Stone', 'Clutch, friction, Worrell & Lesperance', 'Coal, hopper for charging, D. McDonald', 'Coaling tub, C. W. Hunt', 'Coast guard, France, See France', 'Coin controlled machine, E. Lohsand', 'Coin holder or clip, W. J. Stanton, Jr.', 'Collar, bow and bosom front, combined, J. M. Weissman', 'Compound engine, G. S. Strong', 'Cone, J. J. P. F.', 'Copying press, manifold, T. M. St. John', 'Copying press, letter, O. W. Anderson', 'Cork cutting machine feed mechanism, J. A. LaFrance', 'Corn cutter, J. M. Shively', 'Corn husking machine, L. D. Swart', 'Corn husking machine, Swart & Avery', 'Coreset steel reinforce, L. Leppert', 'Coup link, See Car coupling. Hose coupling', 'Crate, egg, A. D. Gilpin', 'Crate, for carrying, F. Watson', 'Currycomb and sinning device, combined, G. Hicks', 'Curtain fixture, A. Johnson', 'Curtain rod, J. M. Kerr', 'Curtains, detachable fixture bar for window, U. S. Jackson', 'Cutter, See Butter or cheese cutter. Corn cutter. Dental engine, J. D. Wilkens', 'Dental hot air syringe, Burns & Reeves', 'Digger, See Potato digger', 'Dividers, automatic, E. Wortben', 'Doctor, automatic, T. H. Latimer', 'Door brace, C. Hoffman', 'Door check, J. D. Platt', 'Door check and closer, E. I. Blount (reissue)', 'Door guide bracket, sliding, R. G. Chase', 'Door opener, H. W. B. Genaust', 'Drill jack, W. V. Lovell', 'Drive gate, T. A. Hill', 'Dynamo, inductor, C. P. Steinmetz', 'Eggs and apparatus for turning them to keep them fresh, scoring, T. R. C. Christianson', 'Electric current regulator, A. S. Krotz', 'Electric fan, J. C. W. Hunt', 'Electric line conduit, J. Graziar', 'Electric motor, dynamo, J. F. Kelly', 'Electric machine, dynamo, J. F. Kelly et al.', 'Electric machines and means for supporting same, pillow block dynamo, F. W. Power', 'Electric motor, dynamo, J. C. W. Hunt', 'Electrical contact device for subways or conduits, Krotz & Allen', 'Electrical distribution system, J. F. Kelly', 'Elevator, hydraulic, J. C. W. Hunt', 'Elevator attachment, T. H. Latimer', 'Elevator brake, safety, E. Collins', 'Elevator guide, G. H. Reynolds', 'Elevator safety appliance, J. H. Tennyson', 'Elevators, automatic door opening or closing device for, F. E. Herdman', 'Elevators, electrical safety local, A. G. Hunt', 'Engine, See Compound engine. Dental engine. Hydrocarbon engine. Steam engine', 'Engine steering device, traction, N. Weiler', 'Eraser, blackboard, C. J. Becker', 'Eyeless case, P. Cross', 'Feather box, apparatus for making, T. W. Austin', 'Fecal closet, C. H. Bennett', 'Feed regulator and alarm, boiler, J. M. Williams', 'Feed water heater, S. Smith', 'Feed water heater or condenser, L. B. Carrica', 'Feed water regulator, A. Rothfuss', 'Fence post, E. Diver', 'Fender, See Car fender', 'Field or garden implement, P. C. Dillon', 'Filling into receptacles measured quantities of liquids, etc., machine for, Robertson & Cooper', 'Filter, J. S. Miles', 'Filter, oil, R. Conrad', 'Filtering apparatus and process, oil, R. Conrad', 'Fire engines, automatic lighter for, Hall & Espey', 'Fireplace, heater, How', 'Flour compound and preparing same, J. T. O'Callaghan', 'Fruit bolder, F. F. Heiborn', 'Fumes, apparatus for saving metallic, M. W. Iles', 'Furnace, See Calcining furnace', 'Furnace, automatic damper regulator for boiler, W. A. Kendrick', 'Fuse, automatic shell, J. Rapieff', 'Gage, See Mercury test gage', 'Gage, A. J. & J. B. Haskell', 'Gas consumer and fuel economizer, J. Rice', 'Gas control, automatic, W. M. Husted', 'Gas fixtures, electric light attachment for, P. W. Remig', 'Gate, See Drive gate', 'Generator, See Steam generator', 'Glass annealing apparatus, plate, J. A. Chambers', 'Glass blowing wheel, automatic feeding up device for, T. P. Giroy', 'Glove, J. H. Clark', 'Gold from its ores, process of and apparatus for extracting, J. G. Murphy', 'Grain conveyer, pneumatic, J. B. Schuman', 'Grain sifter, automatic, J. G. Murphy', 'Grater, nutmeg, M. H. Sexton', 'Gun barrel, F. Tittmann', 'Hammer, A. C. Beckwith', 'Hanger, See Coat hanger', 'Harvester, corn, W. T. Harris', 'Harvester, grain, H. J. Case', 'Hay carrier apparatus, W. London', 'Hay elevator jack, H. E. Witmer', 'Heater, See Electric heater. Feed water heater. Fireplace heater. Steam and hot water heater', 'Heel attaching machines, nail block or plate for, H. Webster', 'Heel moulding and loading machine, F. F. Raymond, 2d', 'Heel stiffener, W. H. Buell', 'Hook ringing device, J. P. Honaker', 'Hook, See Lacing hook. Snap hook', 'Hook and eye, A. Grate', 'Hose coupling, A. G. Kinyon', 'Hub, wheel, W. S. Gubelmann', 'Hydraulic elevator, T. W. Heermans', 'Hydrocarbon burner, T. J. Brough', 'Hydrocarbon engine, G. Nixon', 'Index in paper files, holder for expansible, T. J. Amberg', 'Indicator, See Bowling alley indicator. Speed indicator', 'Insulation and making same, composition for electric, A. Genzsch', 'Irrigating dunes, outlet and cut off, D. W. Willard', 'Jaok, See Drill jack. Hay elevator jack. Lifting jack. Steamboat jack', 'Japanning and enameling machine, R. H. Bellman', 'Jars, etc., fastener for nut, J. Bonshir', 'Journal box, W. B. Eichholtz', 'Journal box, C. Linstrom', 'Ketone from orris root, making, J. C. W. F. Tiemann'

Table listing inventions with patent numbers and dates. Includes items like 'Key, O. Stoddard', 'Knitting machine stop motion, D. F. Sullivan', 'Lacing book, M. N. Bray', 'Ladder, adjustable, W. V. Stephenson', 'Ladder, extension, D. Snell', 'Lamp electric arc, A. Jordan', 'Lamp, electric arc, C. E. Scribner', 'Lamp, electric arc, R. Segerdahl', 'Lamp, electric arc, M. Wheelis', 'Lamp socket, L. C. Wirt', 'Last, H. G. Locke', 'Lasting machine, C. P. Lawrence', 'Latch and lock, combined, A. Watson', 'Lathe, automatic, Wells & Wiltzie', 'Lathe, hollow mandrel, J. Harley', 'Lath tool carrier, C. Cornell', 'Letter carrier's register, J. D. Miller', 'Lifter and carrier, D. Broderick', 'Lifting jack, L. D. Hathaway', 'Lifting jack, H. E. & H. Z. Youtz', 'Liquid raising apparatus, E. I. Nichols', 'Lock, button lock, Car door lock. Railway switch lock. Sash lock', 'Locomotive tender, W. F. Richards', 'Loom, A. Monti', 'Loom take up and drop box governing mechanism, T. A. Brady', 'Lubricating apparatus, J. C. W. Hunt', 'Mail collector, pneumatic, H. Fleckl', 'Match machine, B. T. Steber', 'Match making machine, G. M. Hathaway', 'Measuring and proportioning machine, A. G. Collins', 'Measuring device, S. O. Jones', 'Meter, See Water meter', 'Meter indicating and registering apparatus, P. Marx', 'Military equipment and accouterment, J. Zinn', 'Moulding device, A. M. Thompson', 'Moulding machines, cutter head for variety, C. W. P. F.', 'Mortising machine, endless chain cutter, C. Loetscher', 'Motor, See Electric motor. Water motor', 'Music box, P. T. A. Rodeck', 'Music leaf turner, W. H. Frye', 'Music turning machine, Boothman & Bushong', 'Music sheet driving gear, F. E. P. Ehrlich', 'Musk, making artificial, A. Muller-Jacob', 'Napkin holder, A. Dormitzer', 'Noodle cutting machine, F. Kahler', 'Nut and lock, nut, A. Mosley', 'Nut lock, J. Funkhouser', 'Nut lock, C. Rohrbach', 'Nut lock, L. D. Spragg', 'Nuts, machine for manufacturing, J. H. Sternbergh', 'Ore crushing machinery, G. Johnston', 'Pad, See Copying pad', 'Pan, See Cake pan', 'Paper paraffining machine, L. G. Reynolds', 'Paper sheets, cabinet for, Thorn & Austin', 'Paper, spindle for reeling or rolling, W. L. Coulvert', 'Pecking machine, W. W. Kelly', 'Pen, fountain, L. E. Waterman', 'Pen guide and finger rest, I. Bergmann', 'Pencil holder, W. R. Kromer', 'Pessary, H. M. Ryman', 'Photographic burner, Fleming & Gennert', 'Photographic case for monuments, H. F. Gray', 'Photographic fabric, sensitized, R. A. Anthony', 'Physician's portable case, A. Hon', 'Piano action, grand, J. Herbrurer', 'Piano case, E. N. Orden', 'Picture mouldings, machine for coating, A. Sparr', 'Pipe, See Tobacco pipe', 'Pipes, tool for expanding ends of lead, J. Anderson', 'Pistol for shooting marbles, spring, W. J. Siefel', 'Plat, See Copying pad', 'Plant protector, J. L. Meyer', 'Plant protector, G. Peace', 'Planter, E. A. Ovenshire', 'Platform, See Truck platform', 'Post, See Fence post', 'Potato digger, G. H. Kidney', 'Powder, making smokless, M. von Forster', 'Power distributing mechanism, E. H. Probstfeld', 'Precious metals, extraction of, G. A. Schroter', 'Press, See Copying press. Printing press', 'Printing press, J. Wetmar', 'Propeller, N. French', 'Pump, See Bicycle pump. Hand pump', 'Pump governor, air, W. H. Green', 'Pump regulator, G. W. Wright', 'Push button, electric, G. J. Soper', 'Puzzle, O. Belsheim', 'Rack, See Suspended rack', 'Railway crossings, switch and signal mechanism for, J. G. Schreuder', 'Railway, electric, H. Brandenburg', 'Railway signal system, electric, L. J. Everest', 'Railway switch, J. Christiansen', 'Ratchet, W. C. Mullin', 'Raud, rotary, E. F. White', 'Rat trap, J. S. Randall', 'Reclining chair and couch, O. P. Breithut', 'Recorder, See Speed recorder', 'Refrigerating machine, Knox & Sharpneck', 'Register, See Letter carrier's register', 'Regulator, See Electric current regulator. Feed water regulator. Feed water regulator. Pump regulator', 'Rheostat, W. S. Andrews', 'Ribbon, H. P. Davis', 'Rock and ore pulverizer, C. C. Birum', 'Rock drill rotating device, H. C. Sergeant', 'Rolling mill feed table, P. Berg', 'Rope clamp, safety, W. H. Duhy', 'Rugs and bed, traveling or camp out, S. E. Walsh', 'Safe, T. M. Brintall', 'Sand distributing apparatus, C. W. Buckley', 'Sand papering and buffing machine, T. E. Keavy', 'Sap gathering tank, W. E. Burt', 'Sash fastener, H. A. Bennett', 'Sash fastener, H. A. Bennett', 'Sash fastener, Fallows & Moore', 'Sash lock, I. W. Lewis', 'Saw locking device, D. C. London', 'Saw mill carriage, W. M. Wilkin', 'Sawmill dog, W. M. Wilkin', 'Sawmill trimmer, W. M. Wilkin', 'Sawing machine, slab, A. W. Goodell', 'Scale beams, knife edge pivot for, F. H. Richards', 'Scale pan, G. H. Chaitillon', 'Scalding, See Flood', 'Scourer, See Window scourer', 'Screen, See Window screen', 'Seal, bottle, W. D. Bittel', 'Self lubricating wheel, H. B. Dierdorff', 'Separator mechanism, W. E. Sharples', 'Sewage apparatus, S. G. Over', 'Sewing machine, W. A. Mack', 'Sewing machine, L. Muther', 'Sewing machine, C. F. Skinner', 'Sewing machine, L. W. Tracy', 'Sewing machine feeding mechanism, C. McNeill', 'Sewing machine following guide, L. Muther', 'Sewing machine pull off device, M. Weiss', 'Sewing machine, shoe, W. Carey', 'Shade holding device, H. H. & L. H. Forsyth, Jr.', 'Sharpener, scissors, C. B. Corbin', 'Sharpening machine, razor, Laganke & Marbach', 'Shaving stand, A. E. Devoe', 'Sheet metal, treating and annealing, W. E. Harris', 'Shingle sawing machines, spat dropper for rotary, F. Challoner', 'Shoe counter finishing machine, W. H. Taylor', 'Shoe for, H. Pratt', 'Sifter, ash, W. J. O'Neill', 'Sifting machine, W. D. Gray', 'Signaling apparatus, electric, T. G. Morse', 'Sik, making artificial, F. Lehner', 'Sole fastener, R. S. Asay', 'Snap hook, I. Walker', 'Soda water fountain, C. H. Bolend', 'Sole rounding machine, L. E. Ericson', 'Speed indicator, G. White', 'Speed recorder, J. Spence, Jr.', 'Sprocket, A. Rosenber', 'Spring box, C. Christens', 'Stamp, See Bolster spring', 'Stacker, pneumatic, Huber & Miller', 'Stage scenery support, T. H. Andrews', 'Stamp, hand, P. G. Giroud', 'Stand, See Spaving stand. Supporting stand', 'Stay, dress, J. S. Crotty', 'Steam and hot water heater, F. Tudor', 'Steam, apparatus for superheating, G. Sinclair', 'Steam boiler, G. W. Johnson', 'Steam boiler, A. W. Morrell', 'Steam engine, R. H. Mather', 'Steam engine, G. S. Strong', 'Steam engine, oscillating, H. Mullen', 'Steam generator, W. Eaves'

Table listing inventions with patent numbers and dates. Includes items like 'Steamboat Jack, S. R. Judd', 'Steamer, wheat, F. F. Quitzo', 'Steel, manufacture of, J. I. Carpenter', 'Steel sheet, A. B. Dick', 'Stone cutting and dressing machine, Davidson & Walker', 'Stonesaws, variable feed for gang, L. T. Cook', 'Stool, R. L. Bent', 'Stopper, See Bottle stopper', 'Stove and water heater, combined, F. L. Rice', 'Stove gas conducting device and damper, Carroll & Brooks', 'Stovepipe, C. A. Drumm et al.', 'Stovepipe jointing machine, A. Kaiser', 'Strainer, coffee pot, Massey & Stallings', 'Straw stacker, pneumatic, A. Fraizer', 'Supporting device, F. H. Chamberlin', 'Supporting stand, A. Sommerfeld', 'Surgical instrument, R. A. Bagnall', 'Suspender rack, E. K. Zaring', 'Switch, See Railway switch', 'Syringe, W. B. Spencer', 'Syringe, vaginal, A. C. Eggers', 'Table, See Billiard table. Work table', 'Tack making machine, G. H. Ryan', 'Tank, See Sap gathering tank', 'Tap, C. H. Bitter', 'Telegraphic relay, C. G. Burke', 'Telemeter, A. C. Dunn', 'Telephone apparatus and circuit, Scribner & McBERTY', 'Telephone circuit for police boxes, C. E. Scribner', 'Telephone exchange switchboard, J. P. Davis', 'Telephone exchange switching apparatus, J. P. Davis', 'Telephone switchboard apparatus, Scribner & McBERTY', 'Telephone transmitter, L. D. Appleman', 'Telephones, systems and current supply for, C. E. Scribner', 'Theater apparatus for producing eclipse effects, scenic, Oehring & Tucker', 'Thrasner, Max, J. P. Birchall', 'Tie, See Bale tie', 'Tie machine, Vandermolen & Veen', 'Time recording instrument, automatic, H. F. Eaton', 'Tobacco pipe, J. M. Grau', 'Toilet brush, H. J. Gann', 'Toilet stand, folding kitchen, W. G. Price', 'Torpedo guard, G. H. Jones', 'Torpedo, marine, L. F. Johnson et al.', 'Toy bird, flying, J. Nesbit', 'Trap and holdback and shaft connection therefor, combined, D. Stanley', 'Trap, See Rat trap', 'Trap for waste pipes for bowls, etc., T. J. Sullivan', 'Treadle attachment, hand, D. Curtin', 'Trolley wheel, J. McKenna', 'Truck carriage for handling heavy articles, E. H. Tarnes', 'Tub, See Coaling tub', 'Twisting machine, L. Briggs', 'Type justifying machine, C. F. Hilder', 'Type writer desk, Tyler & Olmer', 'Type writing machine, F. P. Gorin', 'Type writing machine, H. Shuler', 'Type writing machine attachment, W. E. Derick', 'Umbrella, F. Hadfield', 'Underskirt, M. J. Colver', 'Upper, A. Sawyer', 'Valve apparatus, J. N. Sangre', 'Valve, slide gate, J. T. Christie', 'Vehicle and motor power, automatic, A. B. Andrews', 'Vessel, marine, W. King', 'Vessel, sailing, W. King', 'Wagon, dump, J. Neumann', 'Washer, See window or buggy washer', 'Washing machine, J. Bany', 'Washing machine, W. Thornton', 'Washing machines, roller adjusting mechanism for, J. Jefferson et al.', 'Water closet and hinge therefor, W. Bunting, Jr.', 'Water closet tank siphon, T. J. Sullivan', 'Water motor, A. D. Moore', 'Weather strip, S. S. Demann', 'Weight stretcher, W. C. Ward', 'Weighing machine, automatic, F. H. Richards', 'Wheel, See bicycle or tricycle wheel. Self lubricating wheel. Trolley wheel', 'Wheel rim clamp, C. Schalles', 'Whiffletree, A. Benzel', 'Window, Williams & Bremer', 'Window, S. C. Taylor', 'Window, J. Wolfson', 'Window cleaner's safety support, H. K. Whitner', 'Window or buggy washer, C. C. Bridwell', 'Window screen, W. Scott', 'Wire stretcher, W. C. Ward', 'Work table, folding, J. H. Ormsby', 'Wringer, Clothes wringer', 'Zinc and lead by electrolysis, apparatus for producing, R. O. Lorenz'

TRADE MARKS.

Table listing trade marks with patent numbers and dates. Includes items like 'Adhesive substances, C. J. Breidbach & Son', 'Belting, leather, Charles Munson Belting Company', 'Boots and shoes, leather, Little, Maxwell & Company', 'Burlaps and buckram, J. R. Collins', 'Cane mills, L. M. Rumsey Manufacturing Company', 'Cement, Herold Cement Company', 'Cognac, Archambeau Freres', 'Colors in oil and dry colors, A. Rich & Company', 'Corsets and underwaists for ladies and children, Bay State Corset Company', 'Cup and articles and tableware, Popes Island Manufacturing Corporation', 'Fish, preserved, I. B. Milner', 'Fruit, especially raisins, dried, J. M. Chapman', 'Harmonicas, mouth, M. Hohner', 'Lead, zinc and ready mixed paint, A. Rich & Company', 'Leads, A. Rich & Company', 'Leather, White Brothers & Company', 'Paint and stain remover and cleaning solution, A. Rich & Company', 'Remedies for stomach, nerve and blood diseases, J. D. Murray', 'Remedy for consumption, malaria and general diseases, Whitehall Chemical Company', 'Salt, C. C. Andrews', 'Soda, saleratus and baking powder, J. Dwight & Company', 'Starch and its preparations, soap, soap powder, soda, blue, borax and the like, Hoffmann's Starkefabriken', 'Tires for bicycles and other vehicles, pneumatic, Reading Rubber Tire Company', 'Waists and hose supporters, boys' or girls', Wm. H. Burns Company', 'Waterproof clothing and rubber goods of all kinds, Z. T. Lindsey', 'Whisky and other distilled liquors, J. D. Murphy', 'Wind instruments, brass and other, Besson & Company'

DESIGNS.

Table listing designs with patent numbers and dates. Includes items like 'Antirattler, S. H. Morton', 'Badge, F. Lucking', 'Badge, campaign, J. S. Blinn', 'Brush, J. K. Robinson', 'Can opener, S. R. Jennings', 'Carpet, G. Marchetti', 'Carpet, A. F. Reddie', 'Cigar box cover, N. Whitaker', 'Pump head, rotary, E. D. Johnston', 'Stove front, oil, C. Lederbos', 'Stove oil, C. Lederbos', 'Tire shield, bicycle, T. Furlong', 'Vegetable cut-off frame, J. E. Mittel, Jr.', 'Water supply fixture, F. Mackin', 'Wrenches, handle for fruit jar, J. P. Derr'

A printed copy of the specification and drawing of any patent in the foregoing list, or a patent in print issued in 1896, will be furnished from this office for 25 cents. In ordering please state the name and number of the patent desired, and remit to Munn & Co., 361 Broadway, New York.