

Notes and Queries.

HINTS TO CORRESPONDENTS.

Names and Address must accompany all letters or no attention will be paid thereto. This is for our information and not for publication.

(8752) R. R. S. asks: Is there any reason why the alternating current induced in a coil, if transformed without loss to direct current, cannot be used for all purposes, the same as that induced in the armature of a direct-current dynamo?

(8753) W. A. H. G. asks: 1. Can a plain slide valve steam engine be run by compressed (hot) air, or must the valves or packing be changed? A. Any engine that is suitable for steam is equally suitable for compressed air.

(8754) W. H. D. asks: 1. Is the hot flame from a needle hole through which passes the hot gases of vaporized kerosene a "boring" flame, as common gas is held to be, even on iron? A. All vapor gas jets when made to impinge on any body that will burn by heat may be said to be a boring flame.

INDEX OF INVENTIONS

For which Letters Patent of the United States were issued for the Week Ending November 18, 1902, AND EACH BEARING THAT DATE.

Table listing inventions with patent numbers and dates. Includes items like 'Acid from water, removing sulfuric', 'Air brakes, C. W. Casley, Jr.', 'Amusement apparatus, E. C. Boyce', 'Ankle protector and arch support, combined', 'Antimony, producing metallic', 'Apron, storm, J. C. Mendenhall', 'Automatic elevator or hoist, J. Sewell', 'Axle, L. G. Nilson', 'Awning frame, W. E. Wells', 'Back band making machine, G. W. McBeth', 'Back pedaling brake, W. H. Brewster', 'Balance wheel, J. Waldron', 'Baling press, C. Orman', 'Ball lifting device, P. R. Oliver', 'Ballast unloader, G. W. King', 'Band cutter and feeder, J. W. Russell', 'Bananas, supporting, Miller & Kichert', 'Bed corner support, M. P. Maddox', 'Bedstead, J. J. McDonough', 'Bedstead, W. R. Redick', 'Bell, vehicle, J. D. Caldwell', 'Bicycle, G. H. Williams', 'Bleaching, dyeing, etc., apparatus for, J. Failschmidt', 'Blower outlet, R. C. Enyart', 'Blowing engine, C. Robinson', 'Boat, S. S. York', 'Boat lowering apparatus, life, A. Kersul', 'Boiler, G. Stadel', 'Boiler furnace, L. G. Smith', 'Bolt cutter, stay, Carney & Garton', 'Book, bookkeeping, R. F. Helles', 'Bookcase, sectional, A. Lawson', 'Book, knee or arm, W. E. Sell', 'Bottle closure, G. White, Jr.', 'Bottle conveyor, Kuehnrich & Laursen', 'Bottle, non-refillable, W. P. Thompson', 'Bottle, non-refillable, S. McQuig', 'Bottle stopper cap, C. Schroeder', 'Box making machine, F. E. Jagenberg', 'Brake adjuster, automatic, C. J. Fisher', 'Brake beam, C. V. Marquart', 'Brake shoe, W. D. Sargent', 'Brick drying kiln, A. B. Klay', 'Bridges, construction of, H. Prinzhorn', 'Brush, dusting, E. S. Winn', 'Brush holder for mowers, etc., B. A. Stowe', 'Brush holder support, H. A. Balcome', 'Brush or broom holder, adjustable, A. Wurm', 'Brush, tooth, H. Poling', 'Bucket, G. H. Hulett', 'Bucket dumping mechanism, automatic, T. E. Anderson', 'Buckle, suspender, W. E. Foote', 'Bung, tapping device for beer barrels', 'Burglar alarm, H. C. Macdonald', 'Burglar alarm, model, E. F. Conklin', 'Burner, See Gas burner', 'Burner, S. Elliott', 'Butter cutter, Johnson & Matthews', 'Calling expressmen, etc., apparatus for, E. Lee', 'Camera focusing device, P. Garfield', 'Camera focusing device, P. Garfield', 'Camera, photographic, F. A. Brownell', 'Canal lock gate, C. F. Luquer', 'Cannon, breach loading, C. H. Griffith', 'Cans, jars, etc., apparatus for leveling and closing the covers of, F. L. Tapscott', 'Cap, bathing, F. G. Littell', 'Car brake mechanism, motor, H. Austin', 'Car construction, metallic, C. M. Carnahan', 'Car coupling and bumper combined, mine, J. M. Phillips', 'Car door hanger, Krygowski & Lowrie', 'Car draft rigging, railway, T. L. McKeen', 'Car journal box, R. Burns', 'Carburetor, explosive engine, L. E. Heath', 'Carding machine spotting attachment, Platt & Marr', 'Carriage curtain fastener, H. Lester', 'Cart, hand, B. Butler', 'Carton machine, W. E. Reiling', 'Casket shrine, E. Stumpf', 'Caster, E. C. Baynes', 'Casting apparatus, C. S. Szekely', 'Casting composition hand stamps, mold for, B. Chambers', 'Casting rolled iron finishing rollers, mold for, W. Gontermann', 'Chair foot, C. Garrett', 'Checkrein, G. McElroy', 'Churn dasher double reciprocating, E. M. Kyle', 'Circuit breaker, T. J. Johnston', 'Clock striking mechanism, A. C. Schuman', 'Clothes drier, F. S. MacDougall', 'Clothes line prop, S. Day', 'Clover huller self feeder, C. Clark', 'Coal tippie, F. W. Willis', 'Cock, G. L. Bates', 'Coin controlled apparatus, S. L. Long', 'Coke oven, H. Kennedy', 'Collars, making, W. W. Searle', 'Colter bearing, T. R. Wallis', 'Composition of matter, O. Russell', 'Concentrator, A. Ten Winkel', 'Condenser, F. Lamplough', 'Condenser for explosive motors or engines, Exhaust, R. Whitson', 'Condensing apparatus, surface, J. R. Richmond', 'Controller handle latch, F. B. Corey', 'Cooking apparatus, A. E. Harris', 'Cooling apparatus, J. W. Billings', 'Coop, poultry, J. M. Fawcett', 'Cork cutting and tapering machine, A. Fabre', 'Corn shock mover, A. G. Keck', 'Cotton chopper, T. N. Mayfield', 'Cracker, filamentous, H. B. Perky', 'Cuff holder, H. C. Frank', 'Cylindrical and weeder, W. M. Fenn', 'Curtain fixture, H. E. Keeler', 'Curtain stretching frame, J. C. Wagner', 'Cycle driving gear, J. B. Forster', 'Decorative material, manufacturing, W. E. Coleman', 'Dental handpiece, J. B. Wilkens', 'Dental heater, G. Evans', 'Dish washing machine, G. S. Blakeslee', 'Disinfectants or perfumery to water closets, apparatus for applying liquid, G. S. Gallagher', 'Disinfectants to water closets, apparatus for applying, G. S. Gallagher', 'Distribution system, C. P. Steinmetz', 'Dock, floating dry, G. A. Bronder', 'Draft equalizer, J. S. Kemp', 'Draft gear, C. F. Street', 'Draft spring yoke connection for draw bars, R. D. Gallagher', 'Drier. See Clothes drier', 'Driving mechanism control device, Otis & Coyle', 'Electric circuit switch, H. R. Stuart', 'Electric distribution system, J. S. Peck', 'Electric furnace, A. A. Shade', 'Electric hand setting device, O. A. Enholm', 'Electric interrupter, L. G. Nilson', 'Electric machine, dynamo, A. Churchward', 'Electric machine or motor, dynamos, J. W. Blackledge', 'Electric motor controller, T. S. Perkins', 'Electric motor controller, L. G. Nilson', 'Electric motor, variable speed, A. G. Davis

Star Lathes advertisement featuring an image of a lathe and text: 'Foot and Power Screw Cutting Lathes FOR FINE, ACCURATE WORK'.

ENGINE & FOOT MACHINE SHOP OUTFITS LATHES TOOLS & SUPPLIES advertisement with an image of a microscope and text: 'NEW IMPROVED Microscope for Projection'.

The "Wolverine" Three Cylinder Gasoline Marine Engine advertisement with an image of the engine and text: 'The only versing and self-starting gasoline engine on the market'.

FLY PAPERS - FORMULAS FOR advertisement with text: 'FLY PAPERS are contained in SCIENTIFIC AMERICAN SUPPLEMENT Nos. 1037 and 1024'.

TO MINE OWNERS advertisement with an image of a dynamo-motor and text: 'You need a Hoisting Engine'.

Upright Drills advertisement with an image of a drill and text: 'Complete line, ranging from our New Friction Disk Drill for light work to 42-inch Gear Driven Self Feed Drill'.

Howard Two and Four Cycle MARINE AND AUTOMOBILE MOTORS advertisement with an image of a motor and text: 'Write for Catalogue'.

For Heavy Continuous Work advertisement with an image of a machine and text: 'every machine shop will commend our Power Pipe Threading and Cutting Machine'.

HANGERS advertisement with an image of a hanger and text: 'Absolutely the BEST'.

Table listing various inventions and their patent numbers. Includes items like 'Electric signal and telephone system, combined, O. P. & R. H. Yungue', 'Electric switch, ratchet operated, W. Kingsland', 'Electrical distribution system, M. O. Troy', 'Electrotyping, machine for washing matrices preparatory to, C. M. Oliver', 'Elevator safety device, R. C. Smith', 'Elevator safety device, A. Fischer', 'Engine brake mechanism, traction or portable, F. W. Lyons', 'Engine indicator, steam, T. Davidson', 'Engine spark, gas, L. B. Smyser', 'Eraser, blackboard, L. B. Williams', 'Excavating machine, W. Colé', 'Exhaust mechanism, W. Hood', 'Explosive engine, J. A. Ostenberg', 'Fan, rotary, J. Keith', 'Fastener for bands, wires, etc., J. W. Hammett', 'Feeding steam boiler apparatus for forcing liquids adapted for, C. Caille', 'Feeding steam generators, apparatus for forcing liquids particularly applicable for, C. Caille', 'Fence ratchet or tightener, wire, C. A. Willmarth', 'Fence stretcher, wire, I. M. Warner', 'Fencing rod, wire, A. T. de Bary', 'Filament for incandescent electric lamps known as Nernst lamps, R. Arno', 'Filter and filtering system, R. J. Goade', 'Filtering or separating liquids from solids, apparatus for, C. W. Thompson', 'Fire escape, H. Textor', 'Fire escape, M. S. Cross', 'Fire escape, F. W. Harkins', 'Fire escape with water tower attachment, J. H. McPartland', 'Fire extinguisher, chemical, F. J. Brischar', 'Fireproof floor, P. T. Shields', 'Fish bait, B. F. McCurdy', 'Fishing reel, A. E. Hall', 'Flange, F. C. Billings', 'Floor mat, metal, E. J. Manning', 'Fluid flow controlling device, F. W. Richter', 'Fluid flow controlling device, J. W. Nethery', 'Fluid pressure engine, S. Otis', 'Focal plane shutter, J. D. Garfield', 'Food and making same, cattle, L. J. P. M. Y. Dupire', 'Fountain. See Poultry fountain', 'Fuels, etc., burning wood or charcoal, J. A. Russell', 'Fumigator, O. P. Wagner', 'Furnace, S. Cheney', 'Furnace grate, traveling, P. L. Crowe', 'Furnace wall construction, P. L. Crowe', 'Fuse, C. C. Bateau', 'Fuse, blasting, Heath & Taylor', 'Game device, D. McPherson', 'Game, parlor, R. Smith', 'Garment fastener, H. S. Washington', 'Garment fastener or clasp, W. J. Bailey', 'Gas burner, acetone, Granjon & Isnard', 'Gas burner, incandescent, H. Silnick', 'Gas burner, safety, G. L. Palmer', 'Gas generator, acetylene, W. C. Homan', 'Gas generator, acetylene, C. W. Mackenzie', 'Gas making apparatus, W. F. Steele', 'Gas producer, W. T. Kelly', 'Gas producer, J. A. Mitchell', 'Gas regulator, M. D. Compton', 'Gate, P. R. Klees', 'Gearing for stentering or other machines, A. A. Whitley', 'Gearing, transmission, J. L. Wolfe', 'Gin, E. Ruckgauer', 'Glass, etc., clipping ceramic, Ellis & Holt', 'Glass, hydraulic apparatus for the manufacture of window, F. Giannotti', 'Glass or porcelain plates or slabs, manufacturing, Stein & Storr', 'Glove, etc. fastener, J. V. Washburne', 'Golf ball, E. Kempshall', 'Golf balls, making, E. Kempshall', 'Golf stick, Braud & Ogilvie', 'Governors, high or low pressure metallic diaphragm attachment for, H. F. Smith', 'Grafting, J. B. Burrell', 'Grafting apparatus, J. B. Burrell', 'Grain drill, W. J. Dobbin', 'Grain drill, C. R. Crain, et al.', 'Grain drill, T. B. Funt', 'Grain drill, C. H. Pelton', 'Grain drying apparatus, A. P. Criswell', 'Grate raising and lowering means, P. L. Crowe', 'Grinding machine, C. F. Roper', 'Gun cleaning tool, A. H. Burston', 'Gun recoil apparatus, Schneider & Calk', 'Harness supporting and display rack, H. Conn', 'Hay loader, Southwell & Ralls', 'Heating and ventilating device, interdependent, J. E. Hammons', 'Heel plate, cushion, H. F. Dornell', 'Hinge, spring, C. H. Ocumpan', 'Hoisting and conveying mechanism, W. McIntosh', 'Horse starter, R. E. Sherman', 'Horseshoe, cushioned, W. Tharby', 'Horseshoe, elastic, J. Hirsch', 'Horsehair, manufacturing artificial, F. Lehner', 'Hose bracket, L. T. Foreman', 'Hose supporter, F. M. Osgood', 'Hosiery machine, Corpelet & Dupre', 'Hub and spindle, vehicle, L. Crandall', 'Hub attaching device, E. L. Simon', 'Hub dust cap, vehicle, J. E. Beebe', 'Hydrant, C. L. Burkhardt', 'Hydrocarbon burner, H. R. Searing', 'Hydrocarbon burner, J. H. Morrissey', 'Ice cream disher and mold, W. Maxwell', 'Impact engine, W. E. Prall', 'Index, book, J. T. Gale', 'Indicator. See Engine indicator', 'Indigo and intermediate products, making, B. R. Seifert, et al.', 'Inkxol, making, Liebknecht & Homolka', 'Insect trap, J. Rothweiler', 'Insulation stripper, wire, Henderson & Thompson', 'Insulator for handled vessels, heat, C. K. Decher', 'Insulator, telegraph line, J. E. Murray', 'Iron combining titanium, with, A. J. Rossi', 'Ironing board, G. A. Wagar', 'Jacket foot ball, W. P. Whitley', 'Journal bearing, G. N. Secets', 'Kinematographic apparatus, G. F. Hatton', 'Kneading machine, dough, R. I. A. Mason', 'Knife, E. B. Woods', 'Knitting machine, Stafford & Holt', 'Label making machine cutting and feeding mechanism, S. R. Tilly, et al.', 'Label wraps, etc., machine for applying, C. W. Cheney', 'Labeling, bottle, G. W. Cole', 'Lacing eye blank fastening device, J. C. Telfer', 'Ladle shield holder, founder's, E. Grant', 'Lamp high pressure burner, incandescent, J. & G. Keith', 'Lamp socket, electric, M. Norden', 'Lamp support, W. J. Bailey', 'Land roller, R. S. Buch', 'Lantern, signal, S. J. Weber', 'Lantern, tubular, H. J. Valentine', 'Latch, S. F. Beckwith', 'Lead, apparatus for making white, J. H. Montgomery', 'Leather folding machine, R. H. Lurkin', 'Ledger, trial balance, and balance sheet book combined, continuous index, C. W. Marshall', 'Leg and ankle joint, artificial, S. E. Staggs', 'Lever operating mechanism, C. A. Christofferson', 'Life saving net, J. M. Russell', 'Lift, salesman's, C. A. Bouck', 'Lifting jack, R. O. Hopkinson', 'Liquids separator, P. L. Kimball, reissue', 'Liquids, vessel for containing and distributing, W. H. Blumhagen', 'Locking appliances, safety concussion device for, W. H. Taylor

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