

Business and Personal.

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Marine Iron Works, Chicago. Catalogue free. High grade well drills. Leomin Co., Tiffin, Ohio.

Colorado's Gold Fields, Illustrated. Just out, with correct map and nearly 100 mining views natural as life.

Notes & 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 This is for our information and not for publication.

(7158) J. W. W. asks (1) for a rule for setting over a lathe tail stock, for turning tapers.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Granted

APRIL 27, 1897.

AND EACH BEARING THAT DATE.

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

- Accouterment support, C. Dodge, 581,541
Air heater, compressed, J. H. Hooley, 581,403
Alarm, See Fire alarm.

Advertisements.

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Table of advertisements with prices and descriptions. Includes: Blower, rotary, T. W. Green; Book stapling machine, F. S. Bradley; Bottle, anti-ringing, G. W. Roberts; Bottle, automatic, C. C. Bell; Bottle cap, non-removable, W. C. Barrett; Bottle, non-refillable, H. L. B. Lee; Bottle, non-refillable, E. Smyth; Bottle stopper, F. L. Siegel; Bottles, device for preventing fraudulent reuse; Box form, C. J. Prankard, Jr.; Boxes, machine for attaching fly covers to; Brake mechanism, H. E. Putney; Brake, See Bicycle brake. Car brake. Rail; Building material and making same, J. J. Czeplu; Burning liquid fuel, apparatus for, H. A. House; Cable tension regulating device, E. Carley; Cake mixer, A. J. Saltzman; Call, electric, G. West; Can cover, sheet metal, M. Amos; Can filling machine, C. E. Barber; Cannon, yacht, W. W. Scott; Capo tasto, Ferreira & Gleake; Car brake, Damon & Pearson; Car brakes, H. A. Adams; Car controller, electric, S. W. Huff; Car coupling, W. E. Sauerman; Car fender, J. W. Angell; Car fender, J. E. Butler; Car fender, C. L. Bogenheim; Car fender, Shoemaker & Bittner; Car sign, J. D. Brovne; Car wheels, machine for spinning, J. Henderson; Carding machines, automatic combined alarm and stop mechanism for, J. E. Geb; Case, machine, H. Moring; Chair, See Barber's chair, Dental chair; Chair attachment, H. A. Smith; Characterizing machine, J. O. Clark; Chimney cap, F. Barker; Chimney cow, A. Hirschel; Church, G. A. Nurpers; Cigarette box, H. B. Corhill, Jr.; Cigarette making device, pocket, E. G. Lane; Class, See Coll. class; Cleaner, See Boiler cleaner. Track cleaner; Clothes rack, J. R. Corbery; Clutch and analogous devices, friction, F. M. Leavitt; Coal cutter, pneumatic, Cartledge & Wright; Coal drill, F. Husband; Coal drill, R. J. Boling; Coal chas. and apparatus for forming same; Tomlin & Terstedt; Collapsible box, H. Norman; Color compound, naphthol black, Hoffmann & Weingert; Color base, J. W. Dyer; Cooling, ventilating, and evaporating fluids, apparatus for, R. G. Smith; Coop, exhibition chicken, F. Saumenig; Core boring apparatus and means for gripping and raising cores therewith, F. H. Davis; Corset cover, M. Gaudin; Cotton openers, cleaner trunk for, J. C. Potter; Couch, box, Martin & Houchens; Coupling, See Car coupling. Shut off coupling; Crane, traveling, R. Lavery; Crank pin, C. H. Best; Curtain fixtures, A. J. Mitz; Curtain fixture, A. J. Warner; Curtain pole and ring, Benson & Fellows; Curtains, poles, etc., for suspending, F. Scheuaker; Cutter, See Coll. cutter. Rasp cutter; Cylindrical cores, apparatus for manufacturing; Damper regulator, A. E. Burrows; Dental bridge work, C. M. Carr; Dental chair, H. M. Wilkerson; Dentists' instruments, sterilizer for, G. N. Old; Directly regulated device, variable, S. L. Heywood; Disks, mechanism for controlling action of oscillating, J. Thomson; Display counter, E. H. Grant; Door check, H. Stephenson; Door lock, sliding, F. Lewis; Door operating device, automatic, Cooney & Lating; Door or window fastening device, M. W. Greer; Downdraft furnace, S. T. Bleyer; Draught equalizer, E. E. Hobbs; Dr. See Coll. Dr. Electric generator, C. C. Poole; Electric machine, magnet, K. B. Cutten; Electric motor controller, W. H. Chapman; Electric signal, semaphoric, H. S. Roberts; Electrical connection, H. E. Brown; Elevator plants, operating hydraulic, H. C. Smith; Elevators, means for operating control devices of, R. C. Smith; Pad gate, wagon, C. Schalles; Engine, gas engine, Gas of vapor engine; German engine, Rotary engine; Envelop, M. Kling; Excelsior machine, W. F. Ott; Exhibitor, picture, G. W. Brown; Extractor, See Lemon juice extractor; Eyeglasses or spectacles, G. W. Meigs; Face register, F. H. Gault; Fastener, W. B. H. Downes; Feed water regulator, R. J. Rice; Fence post, Buckingham & Moore; Fence post, P. A. Gump; Fence, wire, W. E. Sutton; Fire engine, portable, F. E. Brown; Fire hose connection for stand pipes, A. Engel; Fire lighter, automatic, M. W. Lydon; Fishing reel, C. H. F. Kraft; Flower stand, folding, C. S. Simpson; Fly tank, C. Moore; Fly guard for doors, F. A. Biehn; Fly trap, Isberg & Bergquist; Fodder binder, F. R. Gottschalk; Frog, retracting, Gilbert & Coyne; Fuel economizer, Kelley & Churchill; Furnace, See Crucible furnace. Down draft furnace. Hot water and steam boiler furnace; Furnace, J. T. Greene; Furnace, H. Lang; Fuse, electric, W. E. Harrington; Fuse, mounting for, W. V. Donn; Gauge testing apparatus, J. B. Edson; Galvanizing machine, Honbort & Lloyd; Game apparatus, Hoffman & Black; Game counter, A. Folger; Garbage, etc., apparatus for treating, W. S. Richardson; Garbage receptacle, F. V. Winters; Gas, apparatus for carbureting water, R. Norris; Gas engine, W. O. Worth; Gas lighter, electric, L. L. Borradaile; Gas lights, mantle or hood for incandescent, E. Menzies; Gas of vapor engine, F. P. Willard; Gas voltmeter, H. A. Naber; Gate, See Cargate. End gate. Wagon tail gate. Water gate. Wire gate; Generator, See Electric generator. Steam generator; Gold saving device, J. Mait; Golf club, F. W. Brewster; Governing mechanism for direct acting engines, J. D. Gray; Hame, J. R. Weathersby; Harmonicon, J. G. Smith; Harvesting machine, M. T. Tilden; Harvesting and binding machine, corn, M. M. Copp; Harvesting machine, corn, W. N. Whiteley; Hat bodies, machine for stiffening crowns of, L. Helm; Hay loader, S. Ferguson; Headlight, revolving electric, J. Kirby, Jr.; Heater, See Air heater; Heating apparatus, A. I. Sternberg; Heel nailing machine, F. F. Raymond, 2d; Heel, spring, B. Kertley; Hog trough, G. A. Nello

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