

Business and Personal.

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Capital Wanted. - The undersigned wishes to correspond with capitalists or investment companies with a view to organizing a stock company for the purpose of manufacturing press brick by hydraulic pressure (a recent and modern invention). Address T. A. Gordon, Shelbina, Mo. References given.

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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 This is for our information and not for publication. References to former articles or answers should give date of paper and page or number of question. Inquiries not answered in reasonable time should be repeated; correspondents will bear in mind that some answers require not a little research, and though we endeavor to reply to all either by letter or in this department, each must take his turn. Buyers wishing to purchase any article not advertised in our columns will be furnished with addresses of houses manufacturing or carrying the same. Special Written Information on matters of personal rather than general interest cannot be expected without remuneration. Scientific American Supplements referred to may be had at the office. Price 10 cents each. Books referred to promptly supplied on receipt of price. Minerals sent for examination should be distinctly marked or labeled.

(7158) J. W. W. asks (1) for a rule for setting over a lathe tail stock, for turning tapers. A. Set over the tail stock equal to half the difference in the diameter of the cone for the whole length between the centers. 2. Do lenses ever lose their magnifying power or become non-achromatic? A. Lenses do not lose their magnifying power nor become non-achromatic. 3. Is there any benefit derived from sleeping with the head toward the north? A. A magnetic soothing effect is claimed for the meridian position of the body in sleep. Perhaps imagination has much to do with it. 4. Is there a process for making green prints like the ferro-prussiate or blue print, except the difference in color? A. Green prints are made by using a green pigment in the carbon process.

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.]

Table listing inventions with names and dates. Includes: Accouterment support, C. Dodge; Alarm, J. H. Hooley; Alarm device, electrical, J. J. Barton; Amalgamator, W. Wright; Ash ejector, H. See; Ash ejector for steam vessels, H. See; Asphalt, method of and apparatus for refining, H. A. Frasch; Asphaltum, apparatus for refining, A. F. L. Bell; Auger, expanding, A. Lee; Axle box lid, car, A. C. Buckius; Badge or button attaching device, A. S. Cooley; Balance escapement, D. H. Church; Balling machine, Ellis & Steward; Barber's chair, G. W. Archer; Barrel platform, portable, W. A. Smith; Barrel, steel, J. McDonald; Bearing, anti-friction, L. G. Billings; Bearing for centrifugal machines, elastic collar, J. L. Jenson; Bed bottom, J. A. Lamphier; Bed bottom, woven wire, F. G. Gale; Bed pan, D. Hogan; Bedstead, G. Rogers; Bedstead corner fastener, M. G. Merritt; Beer, apparatus for conveying and drawing off, V. Lapp; Bell, bicycle, P. C. Arnold; Bell, bicycle, A. F. Rockwell; Bicycle and bicycle course, E. R. Allen; Bicycle brake, J. H. Bullard; Bicycle brake, C. F. De Redon; Bicycle brake, W. & S. Valentine; Bicycle brake, S. Van Slyke; Bicycle crank hanger, W. F. Hawes; Bicycle handle bar, J. E. O'Brien; Bicycle handle bars, hand rest for, A. W. Biddle; Bicycle lock, L. Williams; Bicycle rack, G. & G. Hirschman; Bicycle support, J. W. Cole; Bicycle support and package carrier, combined, P. G. Gault; Bicycle supporting stand or rack, W. H. Wallingford; Bicycle wheel support, W. A. Douglas; Bicycles, handle for handle bars of, J. G. Hodgson; Binder, temporary, C. F. Burton; Blind fastener, R. Hayden.

Advertisements.

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Table listing various mechanical devices and their prices. Includes: Blower, rotary, T. W. Green; Boiler cleaner, J. M. Maxwell; Book stapling machine, F. S. Bradley; Bottle, W. Kamper; Bottle, Biley & Crary; Bottle, anti-friction, G. W. Roberts; Bottle, automatic, A. C. B. Wright; 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, W. W. Lysinger; Bracket, See Lamp bracket; Brake, See Bicycle brake. Car brake. Rail Brake mechanism, H. E. Putney; Brewing, etc., apparatus for treating mash in, V. Lapp; Buckle, F. W. Smith; Building material and making same, J. J. Czepul; Bush, automatic, H. C. Johnson; Burning liquid fuel, apparatus for, H. A. House; Cable tension regulating device, E. Carles y Amat; Cake mixer, A. J. Saltzman; Call, electric, C. A. West; Can cover, of the like, C. H. Johnson; Can cover, sheet metal, M. Ames; Can filling machine, C. E. Barber; Cannon, yacht, W. W. Scott; Capo tasto, Ferreira & Gleake; Car brake, Damon & Pearson; Car brake, H. West; Car controller, electric, S. W. Huff; Car coupling, W. E. Sauerman; Car fender, J. W. Angell; Car fender, J. F. Butler; Car fender, C. L. Bogenheim; Car fender, Schoemaker & Bittner; Car fender, J. D. Brown; Car sign, J. D. Brown; Car wheels, machine for spinning, J. Henderson; Carbon, recovering, H. Cabot; Carding machines, automatic combined alarm and stop mechanism for, J. E. Geb; Cast iron, machine for, H. H. H. H.; 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; Chimney, J. A. Hirschel; Churn, G. A. Nuyssens; Cigarette box, H. B. Corhill, Jr.; Cigarette making device, pocket, E. G. Lane; Clasp, See Coll. clasp; Cleaner, See Boiler cleaner. Track cleaner; Clothes rack, J. R. Coberley; Clutch and analogous devices, friction, F. M. Leavitt; Coal cutter, pneumatic, Carthage & Wright; Coal drill, F. Husband; Coal drill, R. J. Bolger; Coal chump and apparatus for forming same; Tomlin & Torstedt; Collapsible box, H. Norman; Color compound, naphthal blue, Hoffmann & Weiberg (treibend); Comb, 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 (treibend); 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, J. A. Hirschel; Curtain fastener, A. A. Mitz; Curtain fixture, A. J. Warner; Curtain pole and ring, Benson & Fellows; Curtains, poles, etc., for suspending, F. Schenker Cutter, See Coll. cutter; Cylindrical press, apparatus for manufacturing; Damper regulator, A. E. Burrows; Dental bridgework, C. M. Carr; Dental chair, R. M. Wilkerson; Dentists' instruments, sterilizer for, G. N. Old; Direct, speed device, variable, S. L. Heywood; Disks, mechanism for controlling action of oscillating, J. Thomson; Display counter, E. H. Grant; Door check, G. E. Stephenson; Door lock, sliding, F. Lewis; Door operating device, automatic, Cooney & Lath; Door or window fastening device, M. W. Greer; Downdraft furnace, S. T. Bleyer; Draught equalizer, E. E. Hobbs; Dry Saw and Drill; Electric generator, C. C. Poole; Electric machine, magnet, E. B. Cutten; Electric motor controller, W. H. Chapman; Electric signal, semaphore, H. S. Roberts; Electrical connection, H. E. Brown; Elevator plants, operating bydraulic, H. C. Smith; Elevators, means for operating control devices of, H. C. Smith; Pad gate, wagon, C. Schalles; Engine, gas engine. Gas or vapor engine. Jetman engine. Rotary engine; Envelop, M. Klug; Excelsior machine, W. F. Ott; Exhibitor, picture, G. W. Brown; Extractor, See Lemon juice extractor; Eyeglasses or spectacles, G. W. Meigs; Face register, F. Herber; Fastener, W. B. H. Dowsie; Feed water regulator, R. J. Rice; Fence post, Buckingham & Moore; Fence post, P. A. Gump; Fence, wire, W. S. Sutton; Fire alarm, automatic, F. V. Munnlicher; Fire alarm, portable, S. E. Lamb; 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, E. A. Biehn; Fly trap, Isberg & Bergquist; Fodder binder, F. R. Gottschalk; Frog, retracting, Gilbert & Coyne; Fuel economizer, Koenig & 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. Deon; Gauge testing apparatus, J. 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Kirby, Jr.; Heater, See Air heater; Heating apparatus, A. I. Sternberg; Heel nailing machine, F. F. Raymond, 2d; Heel, spring, B. Healy; Hog trough, G. A. Nello; (Continued on page 302)

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