### Business and Lersonal.

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Chard's Patent Lubricene and Gear Grease.

Important to Users of Steam .- Office of H. W. Johns M'f'g Co., 87 Maiden Lane. Hundreds have been deceived by worthless compounds sold by unscrupulous parties for Asbestos Steam Pipe and Boiler Coverings which have proven unsatisfactor / and have cost from 50 to 100 per cent more than the genuine, which are the most effective and economical non-conductors in the world, and are manufactured only by the H. W. Johns Manufacturing Company, 87 Maiden Lane. Be sure and note the address, and send for samples, prices, and esti-

R. J. Chard. Sole Proprietor, 6 Burling Slip, New York.

mates of cost of applying, before making contracts.

NEW YORK, October 11, 1880.

We have this day commenced suit against the United States and Foreign Salamander Felting Co. for infringements of our patents for Asbestos Steam Pipe and Boiler Coverings, and we warn the public against using any materials for such purposes composed of, or which purport to contain Asbestos, as they will be held liable for any infringement of our patents.

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Wanted-Foreman for Malleable Iron Foundry, familiar with running of air furnaces. Address 2116 Market St., St. Louis, Mo.

Tyson Vase Engine, small motor, 1-33 H. P.; efficient and non-explosive; price \$50. See illus. adv., page 316. Superior Maileable Castings at moderate rates of Richard P. Pim, Wilmington, Del.

Hoop Iron, Cutting & Punching Co., 8 Liberty St., N.Y. Baldwin the Clothier is accused of borrowing his motto, C. O. D. Some one has discovered it on one of the Obelisks—not yet imported—and stoutly declares that C O. D. was the watchword of Noe and his followers in the ark. It signified, as used there, C-ome O-ut

The proper slope in writing is at an angle of fifty-two degrees, and the proper pen for the purpose is one of

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Mr. Ely, of Afton, N. J., cut thirteen acres of heavy grass in five hours, July 2, with the Eureka Mowing Machine. It is the best mower made. Farmers send for illustrated circular to Eureka Mower Co., Towanda, Pa.

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Improved Rock Drills and Air Compressors. Illustrated catalogues and information gladly furnished. Address Ingersoll Rock Drill Co., 11/2 Park Place, N. Y.

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For Yale Mills and Engines, see page 3:6.

For Pat. Safety Elevators, Hoisting Engines, Friction Clutch Pulleys, Cut-off Coupling, see Frisbie's ad. p. 284. For Mill Mach'y & Mill Furnishing, see illus. adv. p.284. C. B. Rogers & Co., Norwich, Conn., Wood Working Machinery of every kind. See adv., page 284.

Mineral Lands Prospected, Artesian Wells Bored, by Pa. Diamond Drill Co. Box 423, Pottsville, Pa. See p.284. For Separators, Farm & Vertical Engines, see adv.p.220. Rollstone Mac. Co.'s Wood Working Mach'y ad. p. 301. Boots and shoes, manufacture of rubber, T. C. Machine Knives for Wood-working Machinery, Book Binders, and Paper Mills Also manufacturers of Solo-

man's Parallel Vise, Taylor. Stiles & Co., Riegelsville. N.J. Silent Injector, Blower, and Exhauster. See adv. p. 317. Fire Brick, Tile, and Clay Retorts, all shapes. Borgner & O'Brien, M'f'rs, 23d St., above Race, Phila., Pa.

Clark Rubber Wheels adv. See page 317.

Machine Diamonds, J. Dickinson, 64 Nassau St., N. Y. Steam Hammers, Improved Hydraulic Jacks. and Tube Expanders. R. Dudgeon, 24 Columbia St., New York.

4 to 40 H. P. Steam Engines. See adv. p. 317.

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and Hangers. I. S. Graves & Son, Rochester, N. Y.

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No attention will be paid to communications unless accompanied with the full name and address of the

Names and addresses of correspondents will not be ven to inquirers.

We renew our requestthat correspondents, in referring to former answers or articles, will be kind enough to name the date of the paper and the page, or the number of the question. Correspondents whose inquiries do not appear after

reasonable time should repeat them. If not then published, they may conclude that, for good reasons, the Persons desiring special information which is purely of a personal character, and not of general interest,

should remit from \$1 to \$5, according to the subject, as we cannot be expected to spend time and lahor to obtain such information without remuneration.

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OFFICIAL.

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### AND EACH BEARING THAT DATE.

[Those marked (r) are reissued patents.]

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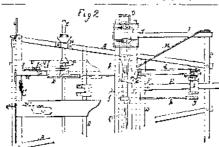
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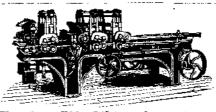
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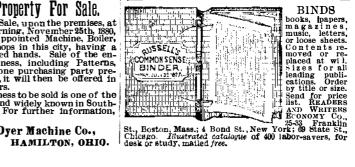
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