## TO CORBESPONDENTS.

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L. D., of Albany .- You are mistaken respecting the reasons for placing the engraving on the back page. It was placed there as the best place, according to the description and size of the others. Our opinions of its merits are very favorable, and the position given it was really the best for that number.

A. G., of Mo.-We are well aware of the elastic nature of air, and took that into consideration, but that has nothing to do with the main point at issue, namely, will a certain amount of impressed force produce an incolumns at any price. finite amount of it, as asserted by you? This cannot be done by your machine, neither with the use of air, norany other medium. This is our deliberate opinion.

H. W. S., of Ohio.-Yours came after our article on the history of steam coaches. Send us the others and we will find room for them in due season. J. B., of Va.-We are not acquainted with the prices

charged by those who sell or put up lightning rods, We consider the rods safe that run on the comb of the house, and is joined to one rod, but the single rod should be thicker than any of the branches. The thick er the conductor the better. A. B. G., of N. Y.-We have been told that steam, at

the pressure of five atmospheres-seventy-five pounds -will dissolve bones, but we do not youch for the correctness of this.

Agency. Introduction of the second s M. J. H., of Geo.-Your plan to prevent the alteration of Bank Bills is new to us. The reward you speak of was offered by the Boston Banks, and we have no more information respecting it than you can obtain from the advertisement to which you have referred.

J. B. G., of Pa.-Yours will meet with attention.

H. B. E., of Tenn.-The only work to which we can refer you on making gas is Parnell's. The price we do not know. It is contained inhis "Applied Chemistry," and can be obtained of Messrs, Appleton, this city.

C. H., of Mass -- Your account of the method of producing large quantities of electricity to decompose ter simply involves a continuous current. This is not new, and will fail to decompose water as economically

as by chemical action. E. A., of Pa.-You can procure steel rolling mills of Messrs. Blake & Johnson, of Waterbury, Ct. We saw some at the works of this Company, intended for the Philadelphia mint, and they were superior even to the best imported article: this is a strong testimonial to the genius of our mechanics.

N. N., of Ohio-Your ideas in regard to the construct tion of railways are quite novel to us, but we cannot endorse them without more knowledge of their practicability. It would be as well to make experiments to **3011 PARSH1, EV.** Manufacturer of machinist's **15** tools. No. 5 and 7 Howard street. New Haven, Ct., has forsale 1 locomotive lathe, which has not been used more than two months, all told, and is as good as new, its first cost was \$1250; having come into present hands with a large lot of other tools, it is now offered for the small sum of \$900 cash; weighs \$ tuns, head boring of the arbor is 12 in. diameter, swings 7 4-12 feet, has counter shaft and pullies. Cuts of the same can be had by ad-dressing as above, post-paid. 513\* test them

W. F., of Mass,-We have no faith in the success your propeller, and thinkit cannot be made to operate. P. & C., of London-We are attending to your mat-

ters, and will write you, if possible, by the first steamer which leaves here this month. Our paper is largely circulated amongst English manufacturers. A. McK, of C. W.-We cannot advise you to get an

iron bridge; put up a wooden one by all means. If you would steep your timber in a solution of alum and the sulphate of copper, it would be rendered nearly fire-proof. We cannot tell what would be the cost of an iron

The AVICAL ENGINEERING-CHARLES EH-MAN & CO., Consulting Engineers and Designers, 332 Birnadiway, New York. Designs, Working Drawings, estimates and contracts for high or low pressure steam en-ginest (Engan's inproved vertical engine)Boilers, Punps, Prosers, Saw and Grist Mills, Tools and Machinery of every description. Particular attention paid to making drawings and working plans for inventions and models, to the construction of patent machines, etc., etc. Ar-rangements made, and plans furnished for putting up and locating Engines, Boilers Shaftings, and all kinds of machinery in buildings, etc., etc. bridge; your plan, as given, is very good. H. K., of Mass.—Your plan of checking the use of fraudulent bank bills is very good. The difficult is to get banks to adopt a good r lan. A chemicalfire alarm can easily be constructed; but the grand object is to prevent fires.

J. W. P., of Mich,-Your substitute for the common frog for railroad side tracks appears to be practicable and new, so far as we are able to judge from the sketch. You had better put it into use if you can and test it thoroughly.

G. W. M., of N. Y .- We have such a book as you speak of, and can refer you to I. M. Singer, of this city, as having a patent for such a machine.

YOCKNEY & CO., Sole Manufacturers of Cumberland Brothers' Patent "Metallic Oil," Elizabethport, N. J., office 67 Exchange Place, N. Y. 45 124 J. S. P., of Cal.-Your idea of carrying off the cinders of a locomotive by means of a chimney curved back-wards over the train, is not new. It was suggested to ATHES. BOLT CUTPERS, and Machinists Tools in general—Just finishing, Engine Lathes of auperior construction, six feet shears, with screw gearing complete. Also two Bolt Cutters ready for de-livery. Vesey Street Machine Shop, Nos. 54 and 60 ye-sey street, N.Y.

us some six years since. T. S. of Ill .- Asuction draught produced by a fan is not new, we have seen it in use.

S. P. B. of N. Y.-We are not in the habit of deciding questions of infringement, such as you ask.

Sey Streev, N. 1. PATENT FLOATE AND GRAIN MILL-Patented June 8th, 1854. The subscriberisfinishing the following mills: 8 twenty inch, price \$100; 6 thirty inch, \$200; 3 three feet, \$300; 2 four feet, \$400, and will pay \$1,900 for any other mill as durable, simple, econo-mical of power, which will grind as much from one dressing, which will heat the four and meal as little. and is as easily kept in order. Cuts sent to postpaid applications, and liberal commissions allowed to aggents for cash orders. EDWARD HARRISON, New Haven, Conn., July 24th. sole owner of all interest in the pat-ent right. C. E., of Ind.-There does not appear to be sufficient novelty in your boring machine to warrant an application for a patent. It is not uncommon to find boring machines operating in the same manner.

J. C., of Mass .- Your improvements in marine loco motives; are neither new nor useful; essentially the same thing has been proposed before, and modifications of it have been patented. They are impracticable

W. & N., of Ohio-There is nothing in your endles chain pump which we consider as possessing a patentable feature ; you are advised not to attempt to secure it by patent, it would be money thrown away.

G. M. D. of Geo - We do not know to what rone my chine you refer ; Slaughter & Perry, of Fredericksburg, Va., we think, are makers of cordage machinery.

J. B. B , of Pa.-A car ventilator substantially on the plan of yours, was introduced some two years since on an Eastern road, for some cause it has passed out of use. It is not as simple as Water bury's, and is more liable to derangement, while its advantages are not equal to it. Mr. W.'s plan is noticed on another page.

C. J. H., of New York-You can dissolve the wool if

# Scientific American.

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American and Foreign Patent

Agency.

**JOHN PARSHLEY.** manufacturer of machinist's tools. No.5 and 7 Howard street, New Haven, Ct., is now finishing a lot of iron planers to plane 8 5-12 feet long, 30 in. wide, and 26 in. high, having the down and angle feed in the cross head, the planers all of the best quality, and prices extremely low for the quality. Outs with full particular, can be had by addressing as above, post-paid. 51 tf

ARGE POWER PLANER-Will plane 20 feet long, 3 feet5 in. wide, and weighs over 6 tuns, Now ready for delivery, and will be sold lower by \$300 than the same quality of machine can be bought any-where else. Warranted good. Call and see, or address, (post-paid) C. POTTER, Jr., Westerly, R. I. 51 3\*

AMPER-Clark's Patent Regulator for Control-

DAMI\*2N-Clark's Patent Regulator for Control-bing steam bolier fires, applicable to boliers sfevery size and situation. The benchts arising from the use of these Regulators have been attested by certificates of the strongest character from those having them in use. Please order a circular and you will be induced to try a Regulator, which we warrant in every instance to give perfect satisfaction. Please address (Clark's Patent Steam and Fire Regulator Co., 208 Broad-way, N. Y.

REYNOLD'S DIRECT ACTION and Re-Action cheap, and efficient Iron Water Wheels now in use.-for description, cuts, &c., apply to SAML. B. LEAOH, Agent, 60 Beaver st. N. Y.

4 lines, for each insertion, -

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Users Statse Parent Oprice, Washington, July 25, 1884. O Stevens, of Iluboken. New Jersey, praying for the extension of a patent granted to them on the 25th day of January. 1841, for an improvement in "working the steam valves of steam engines when the steam is cut of and allowed to act expansively." for seven years from the expiration of said patent, which takes place on the 25th day of January, 1855. It is ordered that the said potition be heard at the Patent Office, on Monday, the 1st of January next, it 180 clock. M.; and all persons are notified to appear and show cause, if any they have, why said petition ought not to be granted. The source of the said patent, which takes place on the 25th day of January, 1855. It is ordered that the said potition specially set forth in writing, at least twenty days before the day of hear-ing; all testimony flue dy either party tobe used at the said bearing must be taken and transmitted in accord-ance with the rules of the office, which will be furnish-ed on application. The testimony in the case will be closed to the 22d of December; depositions and other papers relied upon at testimony, must be in the office on or before the morn-ing of that day, the arguments, if any, within ten days thereafte. Office, allow, that this notice be published in the union. New York, and Post, Boston. Massachasetts, once a week for three successive weeks previous to the lat day of January next, the day of hearing. Reafter Max of the above papers will please copy, and send their bills to the Patent Office, with a pay on the office. Boys of the above papers will please copy, and send their bills to the Patent Office, with a pay on taining this notice.

containing this notice. 50 3 CSITED STATES PATENT OFFICE. Washington, August 21.1854 NTHE PENITION of Milton D. Whipple. of Somerville. Mass., praying for the extension of a patent granted to him on the 28th day of October, 1840 for an improvement in "machine for cleaning would from burs and otherforeignmatter, and alsofor ginning cotton." for seven years from the expiration of said pa-tent, which takes place on the 28th day of October, 1854. It is ordered that the said petition be heard at the Pa-tent office on Monday the 28rd of October next, at 12 o'clocy. M.; and all persons are notified to appear and show cause, if any they have, why said petition oughtnet be granted. Persons opposing the extension are required to file in the Patent Office their objections, specially set forth in writing, at least twenty days before the day of hearing ; all testimony filed by either party to be used at the said hearing must be taken and transmitted in accordance with the rules of the office, which will be funished on application. The testimony in the case will be closed on the 13th the of Oct. : depositions, and other papers relied upon as testimony, must be filed in the office on or before the days thereatter. Ordered, also, that this notice be published in the Orion, Inwillgencer, and Evening Star. Washington, D. C. : Evening Argus, Philadelphia, Pa. ; Scientific Amer-ian, New York, and Post, Boston, Massachusetts once a week for three successive weeks previous to the 13th CHARLES MASON. Ordered also, the above papers will places copy and mend their bills to the Patent Office, with a paper con-taining this notice.

**PATENT SASH FASTENER**—The subscriber will sell rights to make and sell his improved Sash Stop-per and Fastener as follows:—License for any town of not over 5000 inhabitants, and one dozen fasteners with directions, 45: for larger towns and cities or counties on liberal terms. Letters to be addressed (post-paid) W.S. HADAWAY, Chiltonville, Mass. P.S.—See engravings of this invention in No. 51, Vol. 9, Sci. Am. 51 tf

P.'S.--Editors of the above papers will please copy and send their bills to the Patent Office, with a paper con taining this notice. 51 3 r con. 51 3

THE NEW BRICK MACHINE-is now in daily THE NEW BRICK MACHINE-is now in daily operation atmyyard, on Locust Point. If driven by steam, the clay is taken from the bank, passed through a pulverizer, (which removes the stone.) into the soak pit, where it receives the water, thence to the machine, which is geared to make six and a half revo-lutions per minute, turning out five bricks each time, or 1.750 bricks an hour, including contingencies. Nine men and six boys, all common laborers. take the clay from the pit and place the bricks on the floor. If there be no slone the pulverizer is not required : the clay is then thrown into the pit, mixed with water, and after remaining all night is ready for use. Machine, \$425; Pulverizer, \$75, with right to work it. 502 FRANOIB H.SM17H, Baltimore, Md.

JAMES BOGARDUS-Corner of Center and Duane JAMES BOGAHDUS-Corner of Center and Duane streets, invites attention to the Cast Iron Buildings which he first introduced and patented. The mode of putting them together is the most simple and perfect of any yet known. Combining unequalled advantages of economy, strength, and durability. the most beautiful and graceful designs, which would be too costly in stone, can be produced in iron at a triffing expense. They can be taken down, removed, and re-ercted without injury, and if the whole interior were destroyed by fire, the iron building would remain firm as ever. Mr. B. is prepared to carry out designs for public or private buildings. light-houses, towers, &c., and refers to the following gentle-men, for whom he has already rected buildings:-Mr. A. S. Abell & Co., Sun Building, Mr. S. M. Shoemaker, of Adams & Co., and Mr. E. Larrabee, Baltimore: Mr. F. Coyle, and Mr. M. Shanks, Washington ; Messrs. Tatham & Brothers, Beekman street, Messrs. Hopkins & Brothers, Barclay street, Messrs. H. Sperry & Co., Broadway, New York. Others are cautioned against ereeting or using these buildings without the consent of the in-ventor, as he is determined to defend his patent against infring ement.

ACHINISTS TOOLS-SHRIVER & BROS., Cum. If berland, Md., (on B. and Q. Railroad, midway be-tween Baltimore and the Ohio River.) manufacturers of Lathes, Iron Planers, Drills and other machinists tools. 56 6m\*

THE NEW BRICK MACHINE-If driven by a horse the clay is thrown into heaps, and each suc-cessive layer saturated; after remaining in soak all night it is shovelled into the machine. They were for-merly built of two sizes, four and five mold. By a recent improvement the speed of the shart is increased withimprovement the speed of the snart is indreased with out changing the gait of the horse, and thus the smaller size can make 1000 bricks per hour, worked by four men and four boys. It is liable to no accident except from stone, which is apt to breax a mold. Price #375. For further particulars in a pamphlet containing full in-structions on brick burning, address FRANCIS II. SMITH, Baltimore, Md.

NORTHVILLE MACHINE WORKS-Manufacto-ry of Machinists Tools, consisting of Engine Lathes, Power Planers, Hand Lathes, Engine Lathe for turning chair stuff, all of the most improved patterns and quality of workmanship. Worcester, Northville, Mass. Aufsut 9, 1864. TAFT & GLEASON. ·------

**DSTABLISHED IN 1796**—Philosophical, Matheira and Ultransition of the second state of

STAVE AND BARBEL MACHINERY-HUTCH INSON'S PATENT.-This machinery, which re-ceived the highest award at the Crystal Palace, may be seen there in operation during the enauing season, Outling, Jointing and Crosing Staves and Turning Heads. Staves prepared by this process are worth to the cooper from 20 to 40 per eent more than when fin-ished in another way. Applicable alike to thick and thin staves. Apply to 0. 5, HUTCHINSON & CO. Au-burn.N. Y., or at the Crystal Palace. 34tf

Set I Set 1, of at the Crystar Parce. Set I Set I Set 1, of Kentucky and Tenth streets, Louisville, Ky.-The providers of the Kentucky Locomotive Works would respectfully inform Railroad Comparius and the public generality, that, having completed their establishment, they are now prepared to receive and execute orders will contract the fidelity and dispatch. They will contract for Locamotive, Vores systemet, Bagage, Freight, Gravel, and Hackinery required for receive and execute of a constraint attention will be paid to Repairing, for which they have every she and pattern as well as all kinds of Stock and Machinery required for response to favorable terms for building all kinds of Stock and Machinery required for a storage of the start attention of the storage 

DIG IRON-Scotch and American; also English Boiler Plate and Sheet Iron, for sale at the lowest marketprices, by G. O. ROBERTSON, 135 Water st. cor. Pine, N. Y. 40tf

BUFFALO MACHINERY DEPOT. JAMES W<sup>1</sup> HOOKER, 36 Lloyd St., Buffalo, offers for sale all kinds of machinery, as follows: Engine Lathes, Plan-ing Machines, Universal Chucks, Caststeel Borers, Drills, Leather and Rubber Belting, Packing and Hose Oils, Millstones, Portable and Stationary Engines, Boil-ers, and Machinery generally. 43 tf

**DATENT HOCK DRILL.**-The simplest, cheap-est and best over offered to Cie public. For infor-mation apply to A. B. LLY, Esq. Boston, Mass. agent of North American Rock Drilling Company. 43 Sen. a. agent 43 3m

**EVARRISON'S SUPERIOR GRAIN MILLS**— Latest Patent of June 6, 1854—The New Hayen Mig Co. having the right for said Mills, will keep a aupply constantly on hand. A liberal commission paid to agents for saie of the same. For further information address New Hayen Manufg. Co. New Hayen Ct. 45tf

**PATENT RIGHT FOR SALE.**—We are ready to dispose of the Patent Right. (or any part of it) of the best Stone Drilling Machine now in use, or we are prepared to furnish working machines at very reason-able prices, these machines will drill from 1 to 7 inches in diameter, and 100 feet deep, and can be worked by Hand, Horse, or Steam Power, one machine performing the work of twenty-five men. For further particulars and circulars with cuts aid ress JAS. T. WHITTED/ORE, Agent American Manufacturing Co., 39 State street, Boston, 40 tf

**EXAMPLE CONTINUES ON -NO.** 60 Beaver st, and 109 **A** Pearl st, have constantly on hand and for sale a rull assortment of Machinists' and Carpenters's Tools, embracing every variety of Engine and Hand Lathes, Iron Planing Machines, Mortising and Tenoning Ma-chines, Wood Planers, & Also, Leather Belting of all sizes made of the best oak tanned butts, stretched on powerful machines, riveted and cemented. 4213\*

PALMER'S PATENT LEG-" The best appliance ever inverted." Papphlate control ever inverted." Panphlets containing the test-monials of the first American and European surgeons, and other information concerning this invention Sent grains to all who apply to PALSIER & OO, springfail, Mass.: or 35% Ohesnut St, Philadelphia. 4213

The Dict ROPES' ROTARLY PLANING MACHINE. The Supreme Court of the U.S., at the Term of 1853 and 1854, having decided that the patent granted to Nicholas G. Norcross, of date Feb. 12, 1850, for a Ro-tary Planing Machine for Planing Boards and Planks, is not an infringement of the Wood Patent. Bights to use N.G. Norcross's patented machine can be purchased on application to N. S. NORCROSS, 208 Broadway, New York. The printed Report of the case with the opinion of the Court can be had of Mr. Norcrossidat Lowell, or 27 State st., Boston. 26 6m\*

**The ADING'S PATEWT CORN SHELLER** and **Coleaner**—capacity 200b ushelsper hour. 9 first pre-miums a warded in the Fail of 1883. Patent Rights and Machines now for sale at the corner of 2 and Street and Pennsylvania Avenue, Washington. D. C. Ichallenze the world to produce its equal. Address personally or by mail. WILLIAM READING. 43 13\*

40 Jor TOOLS - Power Planers 4 to 16 feet 14 Biong, weight 1,000 to 10,000 lbs. Engine Lathes, 6 to 19 feet long, weight 1,700 to 84,001 bs. swing 21 to 38 inches. Hand Lathes, Gear Cutters, Drills, Bolt Cut-ters, Slide Rests, Chucks, &c., of best materials and workmanship constantly on hand, and being built, also the best Grain Mills in the country. "Harrison's Pa-tent." For cuts giving full description and prices address NEW HAVEN MANUFACTURING CO., New Haven, Conn. 38 tf.

THE EUROPEAN MINEYS JOUBNAL, Rail-way and Commercial Gazette. A Weekly News-paper, forming a Complete History of the Commercial and Scientific Progress of Mines and Railways, and a car duly collated Syn opsis, with numercous Illustrations of all New Inventions and Improvements in Mechanics and Civil Engineering. Office, 26 Fleet Street. London. Price 36 1-3 per annum.

KINGINEERING.—The undersigned is prepared to furnish specifications, estimates, plans in general or detail of steamships, steamboats, propellers, high and low pressure engines. boilers and machinery of every de-scription. Broker in steam vessels, machinery, boilers, co. General Agent for Ashcroft's Steam and Vacuum Fauges, Allen & Noyes' Metallic, Selfaciusting Conical Packing, Faber's Water Gauge, Sewell's Salinometers, Dudgeon's Hydraulic Lifting Press, Roebling's Patent Wire Rope for hoisting and steering purposes, etc. CHARLES W. COPELAND, 35 tf Consulting Engineer, 64 Broadway.

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