Scientific American.

TO CORRESPONDENTS.

Б

"A. L. T., of Mass."-Mr. J. T. Foster reides in Jersey City opposite N.Y., a letter ad- powder. We have long been in search of it, dressed to him there would probably meet at- and although we know considerable on the subtention.

"H. W. P. of N. Y."-We have sent you all the numbers of Chapman's Drawing Book that have been issued. The delay in this, as well as in the other case, is perplexing, but we cannot help the matter. \$5, received and credited for Duggan's work.

"L. K., of N. Y."-If you wish your invention brought into notice, the best thing you can do, both for yourself and the public, is to publish an engraving of it in the Sci. Am.

"S. R. V., of Pa."-You must write a great deal plainer and more to the point before we can publish your communications.

"D. P. G., of Va."-Your invention about the chimney is of such a kind that we do not see how it could be patented. The best way for you to do, is to keep the secret to yourself and erect the chimney to accomplish the object stated, and teach others how to do it for a good remuneration.

"J. R. W., of Mass."-Your subscription will now expire with No. 9 Vol. 6.

"G. H. S., of Ill."-It would cost about \$2, to send the article mentioned by express. "E. L. B., of N. Y."-We have no copies of Webster's Work on Patents for sale, and

can do not know where they can be obtained. "H. T. P., of S. C."-Your letter contain-

ing \$20 came safe and the amount has been placed to your credit. It is all correct, and we send the compasses if you desire. "A.S., of Ohio."-You cannot obtain a

good work upon watch making in this city .-\$1 received.

"N. S. M., of Conn."-Your Lathe was shipped by steamboat Hero last Friday (May 3rd) directed to Middletown, Conn.

"J. W. M., of Me."-We shipped to your address last Saturday, (May 4th) a concentric | in mind. Of Vols. 3 and 4 we can furnish sets lathe, we were obliged to send by an Eastport brig, no vessel being up for Calais.

W. H. L., of Miss."-We are unable to give you such information as you desire. We advise you to address Messrs. Merrick & Towne, of Philadelphia, they can undoubtedly give the full particulars.

"S. D. P. of Va."-Before we can take up an application for a patent, a model must be furnished. We have placed the funds to your credit, and await your further action. The expense of an engraving is independent of the patent fees.

"R. R., of Conn."-We do not know of any such patent as you refer to, and think there is none in existance. \$1 received.

"C. J. A., of Pa."-The answer in the last paper was not intended for you, although the initials were the same. We cannot learn anything respecting the instrument you speak of, although we have made enquires of several mathematical instrument makers. Perhaps you mistake the name.

"Subscriber," Halifax."—The machines you enquired for cost from \$600 to \$800, according to the sizes and lengths to be made-occupy a space of 3 to 5 square feet, power required is about 4 horse. The inventor prefers that you should address him for further particulars, we were obliged to do so in order to obtain what ¹ is here given.

"C. O. P., of Mich."-All the information you ask for can be found in No. 16 of this volume. You cannot expect to obtain a patent on anything which you know is old.

"J. P., Jr. of Mass."-We think that you can get a patent. The first thing to be done construct model.

"H. J., of Ohio."-Steam has been employed for the same purpose before, and no patent could be secured on the principle, but you can use it as there is no patent on it.

"G. H. E., of S. C."-There is no patent whatever on the galvanized chain pumps. Look out for sham patentees.

"J. S. LeC., of Texas."-The same invention as you have, is described on page 26 Mechanics Mirror of 1846. It was tried in England and was a failure.

"W. H. S., of Md.-We believe that your **D**o packing is new and patentable and that it will will will work well. Will write.

"J. A. H., of Ia."-We cannot give you all the information desired about bronzing

ject, still we do not know enough to warrant us in giving it as correct and practicable for your use. Mr. D.'s subscription will not expire until 52. The papers have been sent regularly every week.

"S. R., of La."-The common way for you to pursue, is to file a caveat, to secure the leading features of your invention until the rest is perfected.

"F. McL., of Pa."-The best plan for you to pursue is to talk over the matter quietly with I., and we have no doubt but you will settle the difficulty easier than by going to law.

"R.S.I. of S.C."-Your idea is a capital one, but we do not see how the rotary motion is given to the movable ring.

A. H, of La.; J. E. B., of Geo.; W. M. B., of Ala.-Your orders for Cameras were attended to and shipped this week. We hope you will receive them safely.

"N. B, of Mo."-The engraving of your Clutch, has been unavoidably excluded from our columns for some weeks. It will appear in our next—sure.

Money received on account of Patent Office business, since May 1st, 1850 :-

S. D. P., of Va., \$20; T. Z., of N. Y., \$30 H. W. T., of Conn., \$20; G. F. N., of Vt. \$25; and T. H. R., of N. Y., \$15.

Back Volumes Scientific American.

We are positively no longer able to supply No 1 of the present Vol.—orders for this number cannot be filled,—subscribers will please bear this in mind.

We are no longer able to supply back Volumes of the Scientific American, complete, of 1, 2, 3 and 4. Our readers will please bear this of about 40 numbers each (not consecutive,) for one dollar per set; of Vols. 2 and 3, sets of about 50 Nos. (containing both Vols.) at the same price (one dollar). We have parcels done up ready for mailing of sall the different Vols. referred to above, and on receipt of \$1, either of the sets ordered will be immediately forward ed by mail.

Notice Whenever any of our friends order numbers they have missed-we shall always send them, if we have them on hand. We make this statement to save much time and trouble, to which we are subjected in replying, when the numbers called for cannot be supplied.

ADVERTISEMENTS.

Terms of Advertizing

One square of 8 lines, 50 cents for each insertion 12 lines, 75 cts., " 16 lines, \$1,00 " " Advertisements must not exceed 16 lines, and cuts cannot be inserted in connection with them for any

price. A LIST OF VALUABLE SCIENTIFIC AND MECHANICAL BOOKS, FOR SALE AT THE SCIENTIFIC AMERICAN OFFICE.

Ranlett's Architecture, 2 Vols., bound, \$12,00 Minifie's Drawing Book, 3,00 American Steam Engine, Plate and Book of De-scription - 3,00 American Steam Engine, Plate and Book of De-scription Scribners Mechanics, Tuck, Gilt, Treatise on Marine and Naval Architecture,— published monthly, 12 Nos., each Leonard's Mechanical Principia, Mahan's Civil Engineering, Morfitt's Chemical Manipulations, Annual of Scientific Discovery for 1850, Duggan's great work on the Stone, Iron, and Wood Bridges, Viaduets, &c., of the United State's Railroads. Published monthly in parts to be completed in 12 parts 1, 2, 3 and 4 now ready, each N. B. This work issupplied to subscribers only. 3,00 1,25 1,00

100DWORTH'S PLANING MACHINE W -For sale, the right to use this justly celebra-ted labor-saving machine in the following States, viz. Pennsylvania and Virginia west of the Allegheny Mountains, Ohio, Indiana, Kentucky, Tennessee, Wis-consin, Iowa, Missouri, Arkansas, Texas, Louisiana, Florida, Georgia, Alabama and Mississipi. For par-ticulars apply to Elisha Bloomer, 304 Broadway, or to E. P. Norton, Esq., Cincinnati, Ohio. 346*

DATENT RIGHT FOR SALE.--One half of the Right in the Gutta Percha Colapsible Oil Can, is for sale, to raise funds to bring them into market. The Patent is dated April 9, 1850. For terms apply to the patentee, DAVID G. STARKEY, at 200 Mulberry st., N. Y. 34 1*

FOR SALE.—An Iron Planer, planes 6 ft. wide, is 4 ft. high and 22 ft. long; a vertical bar and apparatus for boring cylinders:—other machinists' tools, steam engine and shafting. If not disposed of previous to the 20th inst., will then be offered at auc-tion. Enquire of JAMES FROST, Fulton Avenue, near Gold st., Brooklyn. 342*

Patent Office.

128 FULTON ST.

NOTICE TO INVENTORS.—Inventors and others requiring protection by United States Letters Patent, are informed that all business rela-ting to the procuration of letters patent, or filing ca-vests, is transacted at the Scientific American Office, veats, is transacted at the Scientific American Office, with the utmost economy and despatch. Drawings of all kinds executed on the most reasonable terms. Messrs. Munn & Co. can be consulted at all times in regard to Patent business, at their office, and such ad-vice rendered as will esable inventors to adopt the safest means for securing their rights. Arrangements have been made with Messrs. Bar-low and Fayne, Patent Attornies, in London, for pro-curing Letters Patent in Great Britain and France, with great facility and dispatch. MUNN & CO.

NEW STYLE AND IMPROVED SLIDE LATHE.--SCRANTON & PARSHLY, New Haven, Con., will sell the best slide Lathe for \$150 to \$200 less than ever before sold. They are built in the most substantial manner-the heads gear-ed and arbors large and of the best cast steel; the slide reat is held to the bed by guides, fed by a sorew 2 in. diameter, and feeds from 50 to the in. to 31-2 in. pitch, working several hundred different pitch threads within these extremes. Besides the regular lathe feed it has the facing up feed. It is admirably adap-ted for helding and boring boxes, cylinders and turn-ing and cutting servers. One extra large size centre rest and reversing pullies go with each lathe. The 2450. The 15 ft. 7 in lathes 450 lbs., turning 12 feet, \$500, swings 38 in. For further particulars address as above, (p. p.) Other lathes for sale as heretofore. 34tf

THE UNIVERSAL COUNTERFEIT AND ALTERED BANK NOTE DETECTOR AT SIGHT -New Improvement-15 illustrations on steel. A System of Intaliable Detection, applicable to all Banks in the United States, now in circulation or hereafter issued. Complete in Seven Rules with seven Diagrams and 15 illustrations on steel. Frice \$1, including a magnifying glass : mailable. Address H. C. Foote, 763 Greenwich st., N. Y., or Messrs. Munn & Co., Office of the Scientific Ameri-can, or Messrs. Stringer & Townsend, 222 Broadway, N. Y. 34 1

COTTON, WOOLEN AND SILIK MANU-FACTURERS' DEPOT -ANDREWS & JE-SUP. No. 70 Pine st., N. Y., dealers in articles for the use of Cotton, Woolen and sik manufacturers, and agents for the sale of shearing, carding, burring, nap-ping, wool-picking, flock-cutting and waste machines, regulators, satinet and jean warps, &c. Weavers' reeds and heddles, bobbins and spools, of every de-scription, made to order. Sperm, lard and olive oils and oil soap. 34tf

FOR SALE—A second-hand Upright Steam En-gine of six horse power, with Cylinder Boiler of 22 feet long, 24 inches diameter, together with fly-wheel and shaft, pump, furnace, and bars, in complete —This engine is one of Burden's make : has been used in all about four months, and is in capital order. The engine will occupy about 3 feet square, fly-wheel weighs about 550 lbs, and will be sold for the low sum of \$550, delivered on ship board in good order. A draft for the above amount maybe sent to 34 MUNN & CO.

MACHINE BANDS, RUBBER HOSE, MACC.—After 20 yearsdevoted to the manafacture of India Rubber, the undersigned feels confident of his thorough practical knowledge of the quality of goods in his line. The three factories now owned and operated by him, turn out large quantities of all kinds and styles of rubber goods in use, mostly vulcanized rubher. Orders for railroads, factories and merchants executed with intelligent regard to wants and best interest of the customer. Warehouse 23 Courtland st., N. Y.; 1 factory at Great Barrington, Mass., with whole flow of Housatonic river for power; 1 at New Brunswick, N. J., by steam power; I at Piscataway, N. J., waterpower. These 3 factories embrace ma-chinery and apparatus costing over \$50,000 — enabling the owner to execute orders with more promptness than any other establishment in the United States. 33 HORACE H. DAY. ACHINE BANDS, RUBBER HOSE,

THE YANKEE NATION-An Independent Literary Journal, Containing Original Novelett-es, Tales of Adventure, Stories, Flashes of Wit, Bio-graphy, Poetry; Historical, Humorous, and Scientific Sketches; Editorial Chit-Chat, and Literary Reviews; toge ther with the News of the day, Miscellaneous Items, and Original Articles on almost every subject of interest to this "Universal Yankee Nation." The Yankee Nation is edited with great care; and the most popular and spirited writers are engaged to contri-bute to its columns. As a Miscellaneous Weekly Newspaper, designed for general amusements and in-structions, the Yankee Nation is unequalled by any paper in the country, and its contents cannot full to be appreciated by every reader of taste. Terms to Subscribers:-One Copy, one year, \$2, invariably in advance. Subscriptions, or orders from local Agents, should be addressed to Hotchkiss & Co., 13 Court St., Boston.

IMPORTANT INVENTION.--A new article of Machine Belting, made of a material never hi-therto used for that purpose : 25 per cent. of power saved by its use. Its expense is 25 per cent. less than the patent stretched leather, or india rubber Belting. All sizes made and constantly kept on hand, from 1 inch in width to 30 inches. CRRIFICATE.-J. McCarthy,--Having had several of your Flexible Cement Belts in use in our mill for the last 3 or 4 months, we cheerfully testify to their superiority, in many respects over any kind of belt-ing we had hitherto used. ELIZUR CLARK, & Co. This Belting is warranted to give satisfaction, or the money will be refunded. Manufactured only at Salina, Onendaga Co., N. Y. Orders are respectivily solicited. Address JOHN McCARTHY. 32 5*

SASH AND BLIND MACHINE—Patented by Jesse Leavena, of Springfield,Mass., is the best Sask and Bind Machine now in use. The Machine cost \$300 at the shop where they are made, near Springfield—extra chargefor the right of using. The machine does all to a Window Sash and Bind except putting them together. Orders from abroad will be promptly attended to, by addressing JESSE LEA-VENS, Palmer Depot, Mass. 22 201*

M ACHINER Y.-S. C. HILLS, No. 12 Platt Street, N. Y., dealer in Steam Engines, Boil-ers, Iron Planers, Lathes, Universal Chucks, Drills Kase's, Von Schmidt's, and other Pumps, Johnson's Shingle machines, Woodworth's, Daniel's and Law's Planing machines, Woldworth S. Janier and Laws Planing machines, Dick's Presses, Funches, and Shears; Morticing and Tennoning Machines, Belt-ing, machinery oil; Beal's patent Cob and Corn Mills; Burr Mill, and Grindstones, Lead and Iron Pipe, &c. Letters to be noticed must be post paid. 33tt

THE AMERICAN UNION-The most care-fully written and best arranged Paper in the United States. This Popular Paper is supplied with Se-lected Stories Humorous Sketches, Tales of Travel Romances, Sketches of Real Life, Biographies, Poetry Serious Sentimential, and Humorous; Gems from New Works, Local Matters, Raviews Agricultural Trea-suries, Scientific Novelties, Aneedotes, Glimpses of the Law, Opinions, Correspondence, Foreign and Do-mestic News, Congressional and Legislative Intelli-gence, Accidents and Casualties, Financial Articles, Markets, Miscel haneous Editorial Articles, amusing sketches, facts and fancies, such as never before has been in one publication. As a General Family Pa-er it is unsurpassed for the variety and completeness of its contents, and for the great care that is taken, while it shall amuse, to instruct and elevate the mind to a scuss of its natural dignity. For the old, it will to a sense of its natural dignity. For the old, it will be found stored with experience—for the young, it will possess a charm that will not contaminate or cloy the taste. Published weekly by R. B. FITTS & CO., 22 School Street, Boston, Mass. Terms—Two Dollars per annum, paxable in advance. 328* peraunum, payable in advance. 328*

ANUFACTURERS' SUPPLY STORE. MANUFACTURERS' SUPPLY STORE. The subscribers would call the attention of man-ulacturers generally, to his stock of articles for the use of factories, both cotton and wollen, consisting of every variety and kind used by them, which he can offer at as fair rates as any other establishment in this or any other market. He has also constantly on hand a full assortment of Leather Belting, revetted, stretched, and cemented, of all sizes, made from the best material, and in the best manner, warranted equal, if not superior to any made in this country, and at prices which must be satisfactory to those wishing a superior article. He is also agent for the sale of Cotton and Woolen Ma-chinery of the most improved kinds. Those favoring him with a call will be satisfield, both in regard to quality and price. P. A. LEONARD, 66 Beaverst. 23 m

TO PAINTERS AND OTHERS.-Ame. ing colors, Electro Negative gold size, and Chemical Oil Stove Polish. The Drier, improves in quality, by age-is adapted to all kinds of paints, and also to Printers' inks and colors. The above articles are compounded upon known chemical laws, and are sub-mitted to the public without further comment. Manu-factured and sold wholesale and "retail at 114 John st., New York, and Flushing, L. I., N., by QUARTERMAN & SON, Painters and Chemists N.B.--The drier for printers' inks will effect a great saving, as the boiled oil, used by painters, will an-swer the purpose, without further preparation. 22 3m*

22 3m*

TTENTION.--Lumbermen, Mill Owners and A Sawyers, who are still using the old stiff joint-ed Noddle Pin in your saw mills, know ye not that G. Hotchkiss, of Windsor, N. Y., has invented and re-ceived letters patent for the "Equilibrium Noddle Iron," a new article that will prove the "ne plus ul-tra" for connecting the pitmanand saw, as it has giv-en entire satisfaction wherever tried, even by those who would hardly look at it at first. Its peculiar advantages are lightness and durability, being at-tached directly to the lower stirrup by a four pointed knuckle or pivot, in such manner that it can vibrate in either direction. It drew the first premium on mis-cellaneous articles at the State Fair at Syracuse. All orders (host paid) addressed to HOTCHKISS & SAGE, Windsor, Broome Co., N. Y., will receive im-mediate attention. 32 5*

MATTEAWAN MACHINE WORKS.-MATTEAWAN MACHINE WORKS.-Locomotive Engines, of every size and pattern. Also tenders, wheels, also, and other railroad machi-nery. Stationary engines, boilers, &c. Arranged for driving cotton,, woolen and other mill. Cotton and woolen machinery of every description, embodying all the modern improvements. Mill geering, from prob-ably the most extensive assortment of patterns in this line, in any section of the country. Tools, tur-ning lathes, slabbing, plaining, cutting and drilling machines. Together with all other tools required in machines. Together with all other tools required in machines, shops. Apply at the Matteawan Co. Work, Fishkill Landing, N. Y., or at No. 66 Beaver st. New York City, to York City, to 24tf

WILLIAM B. LEONARD, Agent.

FOREIGN PATENTS.—PATENTS procured in GREAT BRITAIN and her colonies, also Franced Belgium, Holland, &c., &c., with certainty and dis-patch through special and responsible agents appoint-ed, by, and connected only with this establishment.— Pamphlets containing a synopsis of Foreign Patent laws, and information can be had gratis on application JOSEPH P. PIRSSON, Civil Engineer, S3tf Office 5 Wall street. New York.

DO IRON FOUNDERS AND MACHI ■ nists in the Northern and Eastern States.—The Subscriber, sole agent for the sale of rights to make and sell the celebrated Bogardus Horse Power, will contract with any one disposed to manufacture the best horse power in the world, upon reasonable terms. Address GEORGE VAIL, Morristown, N. J. lam 1y*

TRON FOUNDERS FACING DUST.—An approved article of Sea Coal Dust t mix with moulding sand; also superior Charcoal Foundry Black-ing, Lehigh Blacking, Soapstone and Black Lead Dust, Fire Clay, &c.,—for sale by G. O. ROBERTSON,— City office 4 Liberty Place, (formerly Little Green street), near the PostOffice, N. Y. 33 2*

JONATHAN TAYLOR, Machinist, Montgo-mery, Alabama, begs leave to inform inventors and the public in general, that he is prepared to make patterns and models to order. He is also desirous of being appointed agent for the disposal of all kinds of patent machinery. Office on Commerce street, two doors from the Exchange Hotel. All letters must be post-paid. 32 10* 32 10*

MUNN & CO., 128 Fultonstreet, New York.

VENTILATION .- The Subscriber being desi-