Scientific American.

TO CORRESPONDENTS.

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T. W. A., of N. Y .- There is no good practical work on nill building—one is much needed. D. S. H., of Ind.—You can procure a good shingle ma mill building

chine by addressing J. D. Johnson, of Bridgeport, Ct. or Wm. Wood, Westport, Ct.

D.S.G., of Ill.-From the engraving of the drill pub lished in last week's paper you can judge of its applicability to the purpose for which you want it: it is a good article, We cannot answer you about the tire iron. L. T. R., of Mass.—There is no novelty or utility in

your proposed method of shoeing brakes with lead. R. B., of Ct.-There is no novelty in the idea of apply ing rollers to journals to relieve friction: this has been frequently done.

J. H. C., of Ohio-We are not acquainted with any plan for raising water in the manner you propose ; its advantages are not apparent tous, and we do not think it possesses any patentable novelty.

John Garst, Dayton, Ohio-On the 23d ultimo we sent -the amount your due on the Prize List, you \$20

A. W. B., of Ohio-Your plan for making lead pipe is xactly the same as that which is now generally prac ticed.

W.A. P., of Miss.-The plan you speak of, to ornamen pillars, &c., is not patentable, because it is only a dif ferent application of a well known process. We do not believe that it would pay, for the gilding would soon wear off and it would not be possible to renew it again H. S., of Ind.-The suction which you speak of, to propel vessels, is the very thing which you should seek to avoid.

C. J. F., of Mass .- There is such an engine here a the one to which you refer, but it never will come into general use

H. W. O., of Ct.—Fountain pens are well known do not supply the want which our article calls for. Yours embraces no patentable feature that we can discover T. J., of Miss.-Let no one deceive you about the Er

icsson engine; just wait and watch. The traveling lecturer to whom you have referred has indeed disappear ed from public notice. It is not to be regretted : such experiments do good in one sense if they do evilin an other. We have perfect confidence in the antidote that we have administered to the public.

A. G., of N. Y .- We have carefully considered the de scription of your mode of signaling the approach and departure of trains; so far as we can understand it, without the aid of a sketch, we should think it different from any with which we are acquainted. Electricity has been employed for the same purpose, and contrivan ces operated by other means have also been proposed

you had better send us a model of your plan. J. B. J., of Ind.-We do not think either of your in ventions could be patented : the novelty is so very slight that we cannot advise an application.

—.—Wewill preserveyour manuscript A. J. M., of and it will be subject to your order for a month at least. We have great confidence in your theory : it is the same as the Chrono-Thermal system of Dr. Dixon-a work republished in this city by Dr. Turner : you should, get a copy of it. We answer in the affirmative to your interrogation respecting the eye.

J. R., of V.-Use about one ounce to the gallon of water

D. C., of N. C.-Yourplan for supplying water to boil ers is not new, we have seen the same plan nearly, a number of times, but it is not as good as the force pump.

C. J. F., of Ohio-Your plan respecting government agencies in different cities, for the purpose of protecting inventions, could not be easily carried out. You must never say "fail," but toil on and press forward-there ward will come some day. The buffers which you speak of, to lessen the destructive effects of collisions on rail roads, have been proposed a number of times. Wedonot know of any plan like yours for rigging sails.

T. R. J., of Va.-Gypsum is not inoperative in the eighborhood of the sea as a fertilizer, so far as we can learn; we know the opinion is common that fish spoil rapidly when exposed to the rays of the moon, but this opinion may not be correct. What kind of ashes foragricultural purposes do vou want.

N. R. G., of N. Y .- There is no good work published on woolen manufacturing in all its branches: such a work is much wanted.

A. S., of Vt.-The cheaper the pencil so much the bet ter: but even if dear we think it should find a ready

C. G., of Wis.-Purchase Smee's "Electro Metallurgy" and it will give you full information on the subject. The apparatus will not cost you more than \$2.

E. A. H., of Ill.-We have examined your stove; itap pears to be a good one, but so many stoves have been patented that it is almost impossible to give you any advice on the subject. Your movable grate we consider to be a good arrangement: we never saw one like it.

T.G., of N.Y.-Your plan is not the same as that which is on exhibition at the Crystal Palace, but we saw aboat on the Erie Canal ten years ago, with the same arrange ment as yours-a wheel in an interior case.

M. G. C., of Pa.-In the year 1830 Com. Barron, of the Navy, secured a patent for an apparatus for ventilating bedrooms, etc. in hot climates, essentially the same as the one which you describe. There is no chance for patent on yours.

W. L. B. of Mass .- There are no objections to the use of Oscillating Engines," they are coming into use not only by the government, but also formanufacturing pur

H. & R., of -.-We do not know where to address ycu: we are every day receiving letters from persons wanting information, without the least intimation of their address-many letters are of a private nature and cannot well be answered through these columns.

L. S. W., of Md,-Use the eccentric for converting the otary into rectilinear motion.

J. B. R., of Ala.-It is indeed true, as you say, that any improvement to lessen the running expense of loco-motives is valuable, and more valuable when the ability of the engine isfor running at high velocities with increased safety. We wish you success. If you try the cement, you will find out that it will not answer the purpose of gold. Your secret is safe sofar as we are concerned.

D. D. of N. Y .- It will be very difficult for you to get the pieces of iron which you speak of, but if you write to Bogardus & Hoppin, of this city, they can furnish you with them if they can be furnished at all.

J. C., of N. Y.-White vinegar can be obtained at any of the druggists. All the receipts that may be of value to you will be found, from time to time-for the benefit of our readers-in the columns of the Sci. Am

Money received on account of Patent Office business for the week ending Saturday, Jan. 28:-

A. A. S., 10f O., \$30; A. R. H., of Pa., \$25; P. Z. F. R.I., \$25; H. E. C., of N. Y., \$35: E. H. P., of Ct., \$10: W. M. U., of Vt., \$25; J. McM., of Ky., \$50; G. M. P., of Me., \$30; N. F. T., of Tenn., \$55: W. H. H., of O., \$30: A. J. W. of N. Y. \$25; F. & A., of N. Y., \$25; L.C. C., of Ct., \$20; J. H. R., of N. Y., \$55; J. N., of Mass., \$30.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Jan. 28 :-

D. A. & A. J. H., of N. J. ; J. C. R., of N. Y. ; J. H., of N.Y : T. & A., of N. Y. : E. H. S., of Ohio ; W. M. N., of Vt. J. McM., of Ky. ; J. H. R., of N. Y: -----

A Chapter of Suggestions, &c

PATENT LAW , AND GUIDE TO INVENTORS-We publish and have for sale, the Patent Laws of the United States -the pamphlet contains not only the laws but all information touching the rules and regulations of the Pa tent office. Price 12 1-2 cents per copy.

RECEIPTS-When money is paid at the office for subscriptions, a receipt for it will always be given, but when subscribers remit their money by mail, they may con sider the arrival of the first paper a bonafide acknowledgment of the receipt of their funds.

BACK NUMBERS AND VOLUMES-In reply to many interrogatories as to what back numbers and volumes of the Scientific American can be furnished, we make thefollowing statement: Of Vols. 1, 2, 3, and 4-none. Of Vol. 5, all but six numbers, price, in sheets, \$1; bound, \$1,75. Of Vol. 6, all; price in sheets, \$2; bound, \$2,75. Of Vol. 7, all; price, in sheets, \$2; bound, \$2,75. Of Vol. 8, none comple, but about 30 numbers in sheets. which will be sold at 50 cents per set; of Vol. 9, non previous to Jan. 1st, 1854.

GIVE INTELLIGIBLE DIRECTIONS-We often receive letters with money enclosed, requesting the paper sent for the amount of the enclosure, but no name of State given, and often with the name of the post-office also omitted Persons should be careful to write their names plainly when they address publishers, and to name the postoffice at which they wish to receive their paper, and the State in which the post-office is located.

PATENT OLAIMS—Persons desiring the claim of any inven tion which has been patented within fourteen years, can obtain a copy by addressing a letter to this office stating the name of the patentee, and enclosing \$1 for fees for copying.

PATENTEES-Remember we are always willing to execute and publish engravings of your inventions, providing they are on interesting subjects, and have never ap peared in any other publication. No engravings are inserted in our columns that have appeared in any other journal in this country, and we must be permit ted to have the engravings executed to suit our own columns in size and style. Barely the expense of the engraving is charged by us, and the wood-cuts mayibe claimed by the inventor, and subsequently used to advantage in other journals.

To CORRESPONDENTS.-Condense your ideas into as brie space as possible, and write them out legibly, always remembering to add your name to the communication anonymous letters receive no attention at this office If you have questions to ask, do it in as few words a possible, and if you have some invention to describe come right to the business at the commencement of your letter, and not fill up the best part of your sheet in making apologies for having the presumption to ad, dress us. We are always willing to impart information if we have the kind solicited.

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Agency. MPORTANT TO INVENTORS.—The undersigned having for several years been extensively engaged in producing Letters Patent for new mechanical and chem-ical inventions, offer their services to inventors upon the most reasonable terms. All business entrusted to their charge is strictly confidential. Private consultations are held with inventors however, need not incur the expense of attending in person, as the preliminaries can all be arranged by letter. Models can be sent with safety by express, or any other convenient medium. They should not be over 1 foot square in size, if possible. Having Agents located in the chief cities of Europe, our facilities for obtaining Foreign Patents are unequal-led. This branch of our business receives the especial attention of one of the members of the firm, who is cre-pared to advise with inventors and manufacturers at all times, relating to Foreign Patents. MUNN & CO., Scientific American Office, 128 Fulton street, New York.

PORTABLE STEAM ENGINES.-GEORGE VAIL & CO., Speedwell Iron Works, Morristown. N. J., LOGAN VAIL & CO. No. 9 Gold st. N. Y., are prepared to furnish Portable Steam Engines from four to eight horse power, with locomotive bollers. These engines are recommended for their simplicity, durability, and economy, being made from the best materials and de-signed for practical use. They are placed on wheels con-venient tobe moved from place to place, and are ship-ped in Working order: for plantation use, machinists, or others wanting small power, these engines will be found superior to any others in use. A Silver Medal was awarded at the late Fair of the American Institute, and a premium in cash of \$100 at the Maryland State Fair, held at Baltimore in October last. Persons writing us by mail will be particular to give their address

AWRENCE SCIENTIFIC SCHOOL—Harvard University. The next Term of this Institution will open on the second day of March 1854, and continue 20 weeks. Instruction by Recitations, Lectures, and Prac-tical Exercises, according to the nature of the study, will be given in Astronomy by Messrs. Bond, Botar, yby Prof. Gray, Chemistry, analytical and practical by Prof. Horsford, Comparative Anatomy and Physiology, by Prof. Wyman, Engineering by Prof. Eustis, Mathematics by Prof. Herce, Mineralogy by Prof. Cocke, Physics by Prof. Lovering, Zoology and Geology by Prof. Agassiz, Forfurther information concerning the School applica-tion may be made to Prof. E. N. HORSFORD, Dean of the Faculty, Cambridge, Mass. 214*

ATHEMATICAL AND OPTICAL INSTRU-MIMENTS-Tac subscriber begs leave to bring to the notice of the professional community his new and ex-tensive assortment of the above Instruments, which he partly imported direct from the most celebrated makers in Europe, and partly had manufactured under his own personal supervision. The undersigned would partcu-larly invite a tention to his very large and complete assortment of the justly celebrated Swiss Mathematical Brawing Instruments, for the sale of which, in this coun-iry, he has the sole agency, and which he can furnish at received the prize medal at the London and New York Exhibitions. Orders for any part of the Union prompt-ly executed, and price list sent if required. 21 6eow 224 Chestfut st, Philadelphia, Pa.

MERICAN BAILBOAD JOURNAL—This Jour-nal, the oldest in the world devoted to the Rail-road interest, will hereafter contain, in addition to its usual contents, a full and comprehensive department of Railway and Mechanical Engineering, prepared under the direction of a pretical engineer and mechanic— Improvements in Railways. Railway Equipments, and especially in Locomotives, will be duly described and il-netrated. Inventors and improvers will find the Journal the best advertising medium, as it is taken by nearly all Railroad Companies and Engineers in the country. Pub-lished every Saturday at No. 98 pruce st. by JOHN H. SCHULITZ & CO., at \$5 a year in advance. 212*

Modelers in mathematical and optical instruments, No. 49 Chesnurst. Philadelphia, Pa.-at the old stand established in 1795 by John Modilister, Senr. Mathema-tical instruments separate and in cases, Tape Mea-sures, Spectacles, Spy Glasses, Microscopes, Thermome-ters, Salometers, Hydrometers, Magic Lanterns, &c. &c. Our illustrated and priced catalogue are furnish, ed on application, and will be sent by mail free of charge. charge.

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WANTED-A good permanent situation, either to Avenue. (On parle Francais). 21 4* . .

SHINGLE MACHINES: Wood's patented improve-ment in Shingle Machines, is unquestionably the best ever offered to the public. The undersigned is now at the West, offeringrights in this machine for sale. It is a rare opportunity for a safe and profitable invest-ment in a machine without a rival, for the purpose to which it is applied. Parties wishing to correspond with mecan do so by addressing J. D. JOHNSON, 21tf Bridgepert, Ct.

FOR SALE-140 Acres of Choice Land, situated within 1 mile of Wooster, O., on the O. and P. R. R. There is on the premises a woolen factory and one set of machinery: the water power is always sufficient for one set, and for two-thirds of the year for much more. There is also a good saw mill and dwellings for operatives. Terms-One half down and the balance to suit purcha-ser. THOMAS STIERS, Wooster, Ohio. 29 3*

WANTED-A Saw for Splitting Hoards and Plank, self-feeding. Address G EOKGE STARR, Danbu-rv. Ct. 20 2*

American and Foreign Patent Agency. MPORTANT TO INVEXTORS.—The undersigned inventions, offer their services to inventors upon the most reasonable terms. All business entrusted to their charge is strictly confidential. Private consultations are held with inventors a their office from 9A. M, until P. M. Inventors, however, need nct inour the express of attending in person, as the preliminaries can all be arranged by letter. Models can be sent with safety by express, or any other convenient medium. They sheuld the box a dynamic for supersonable terms. They sheuld the box of a dynamic for supersonable terms. They sheuld the box of a dynamic for supersonable terms, and be and sheuld be priced with inventors a their office from 9A. M, until P. M. Inventors, however, need nct inour the express of attending in person, as the preliminaries can all be arranged by letter. Models can be sent with safety by Express, or any other convenient medium. They sheuld attention of one of the members of the firm, who is pre-gared to advise with inventors and manufacturers at all attention of one of the members of the firm. Who is pre-gared to advise with inventors and manufacturers at all the members of Nassau and Fulton sts, New York Difference of the members of the firm. Who is pre-marking advise with inventors and manufacturers at all attention of one of the members of the firm. Who is pre-marking advise with inventors and manufacturers at all attention of one of the members of the firm. Who is pre-marking advise with inventors and manufacturers at all attentions of the states. Data in the unite of the set as the diversor the set aset and and the set as the dintersor of the set a

EIGHING AND PACKING MACHINE-This W machine is particularly adapted for the weighing and packing of ground spices, collee, teas, saleratus, cream tartar, British luster, arrowroot, drugs, prepared recam tartar, British luster, arrowroof, drugs, prepared flour, farina, starch, cocca, oat meal, yeast powders, seeds, snuff, ground herbs, or any like material, which may require to be put in packages, from ounces to pounds. Its advantages over the old method of pack-ing by hand, are manifest. One of these machines will, with the aid of one person, weigh accurately, and pack neatly, from 4to 5.000 packages per day. It requires very little power tor un it, and is not liable to get out of repair. Having purchased the exclusive right to manu-facture and sell throughout the United States, we are prepared to execute orders for the machines or sale of sectional rights, on reasonable terms. N. B. HARRIS & Co., Proprietors of the Excelsior Steam Spice Mills, Philadelphia, Pa.

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JOHN PARSHLEY, No. 5 and 7 Howard st., New Haven, Ct., manufacturer of Machinists' Tools, and Steam Engines, has now finishing off 25 Engine Lathes, 6 feetshears, 4 feet between centers, 15 inches swing, and weighs about 1100 lbs. These Lathes have back and 'screw ge-r, jib rest, with screw feed, and the rest is soarranged that the tool can be adjusted to any point the work may require, without unfastening the tool, hence they possess all the good qualities of the jib and the weight lathe : they are of the best workman-ship. Price of Lathe with count shaft and pulleys, 4156 cash. Cuts, with full description of the lathe, can be had by addressing as above, post paid. Also four 39 horsepower vertical Steam Engines with twooylinders. For Price of engine with pump and heater, \$800 cash particulars address as above.

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PLANING, TUNISTING, AND GROOVING – **BEARDSLEE'S** PATENT. Practical operation of these Machines throughout every portion of the United States, in working all kinds of wood, has proved them to be superior to any and all others. The work they pro-duce cannot be equalled by the hand plane. They work from 100 to 340 feet, lineal measure, per minute. One machine has planed over twenty millions of feet during the last two years, another more than twelve millions of of feet Spruce flooring in ten months. Working models can be seen at the Crystal Palace, where further informa-tion can be obtained, or of the patentee at Albany, N. Y 1 tf **EO. W. BEARDSLEE.**

B. ELY, Counsellor at Law, 52 Washington street, B. Boston, will give particular attention to Patent Cases, Refers to Messrs Munn & Co., Scientific American 16tf

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