# Scientific American.

## TO CORRESPONDENTS.

H. T., of Ohio-You ask if a combination of device are patentable where superior advantages are gained by the combination, the same having been used singly or in a lesser combination. We answer, "Yes," if such combination is new. We shall send you a copy of the Patent Laws soon.

D.H. of Ohio-The boat which you describe is not new-we have seen the same thing before. It is a clumsy contrivance.

B. J. S., of Ind .- The Blanchard patent fora lathe for turning irregular forms has about ten years to run,-no charge for the information. R. D., Sen., of Ky.—We have received a great many

letters from you, and have been unable to make out a single coherent sentence. This is the reason why you have not received any answers. We cannot get hold of a single tangible idea upon which we can base a reply If you can employ some one to express your views in a proper manner, you will receive due attention, other vise we must beg of you to withhold future correspon dence. Our correspondents are usually very clear in expressing their ideas-this is gratifying to us and saves us much trouble.

R. C. Wrenn, of Mt. Gilead, Ohio-Wishes to procure a list of all the concerns in the country engaged in the manufacture of farming utensils.

M. J. W., of Mass .- Your application for feeding pa pers to presses is different from anything we have even seen. We cannot say much in favor of its practical qua lities ; it should be tested in order to ascertain its value in this respect.

C. P., of Ala.-You had better write to William Lebby of Charleston, S. C.; we noticed his engines in No.2. C. W., Jr., of C. W.—From the description given of your alleged improvement in "Writing Pencils," we should think it nothing more than a fountain pen of the ordinary kind.

W. M. B., of Vt.-We do' not know where a copy of Wolf's Practical Hand-Book for Jewellers can be obtained.

William, of Pa.-Bysending us your proper address we can furnish you with a circular of information in regard to applications for patents. G. W. W., of Ind.-We cannot advise you to build a

machine according to your plan. Rotary reapers of almost every conceivable form, have been tried and aban-doned. A reciprocating knife is in every way preferable. We advise you to abandon your plan, as it can ne ver be successful in the field.

J. E., of Mass.-Your plan for operating railroad brakes by the employment of a steam cylinder to each car, ad-mitting the steam at the center, thus operating two pistons, forcing the brake against the wheels in contrary directions, was patented in England by Stephenson some years ago.

E. M., of Pa.-We are still of the opinion that the Of. fice would refuse you a patent even on your device for accomplishing the result, and we are certain they would "principle" of your mode of treatment, for it is verv well known.

J. N., of N. J.-We have filed your description of the lathe for turning irregular forms, and we are obliged to you for the privilege of being LET OFF so easy. You communications were getting too numerous, consider ing their extreme length --- and to be permitted to place them on file unanswered is certainly a relief. Any oth er papers you may desire filed for safe keeping you can send to us for that purpose-we have more room for filing your ideas than we have time for investigating and reporting upon so many of them.

P. S., of N. Y .- Wehave described in the Sci. Am. s eral devices for feeding papers to a printing press. You had betterrefer to the back numbers. The plan of boiler which you sent us last September is not new; we replied to your inquiry concerning it in No. 2 of the pre

sent volume. B. K. R., of --.-You had better apply to S. C. Hills No. 12 Platt st., in regard to slide rest and mortising machine.

A. B., of N. Y.-The only manner we think of, in which you can bring out your invention, will be to associate someone with you who is acquainted with your standing. See our article on the "Sale of Patents," in last week's paper.

M.K., of N. Y.-Youcan procure the "Annual of Sci-entific Discovery" of Gould & Lincoln, Boston, Mass. We do not sell them.

J. M. B., of Fla.-We have never published the Self-Acting Cheese Press; there are many presses which are classified as such, but considered in an abstract point of view they are not self-acting, because they do not act until weight is applied in some shape.

F. R., of Me.—The only durable cheap white paint for out-door work, is white lead; we know of no other. If you mean a whitewash, use some lime dissolved in warm water, to which add one pound of sulphate of zinc to th bushel, one pound of sugar, and one of salt; put it on with a brush in the usualmanner.

M. P. N., of Vt.-Your fountain pen is not new that we can discover: the pen is not what is wanted-this we have repeated several times.

B. F. W., of Geo.-The manner in which you propos to fasten bedsteads is not new. Several references to rejected applications, we doubt not, could be given in support of our assertion, but it will be sufficient to say that we have seen the same device applied to bedsteads H. H. R., of N. Y.-We do not know the price of Chi-

chester's flax machinery. You had better write to him again, perhaps your letter miscarried.

D. C. G., of Ohio-A good water wheel which would answer your purpose very well, is made by Timo. Rose-of Cortlandville, N. Y., to whom you are advised to write for more information.

G. P., of Geo.-Acopyright will only extend to thela bels of the articles which you sell. The article itself must be protected by a patent to cover its sale. We do not know that you can obtain a patent for it, as it must be new and useful to claim a patent : of this we canno judge unless we know what it is.

Moneyreceived on account of Patent Office business

\$350: F. A. H., of Mass., \$30; A. G. C., of Me., \$15; J. B. of Ohio, \$30; E. C. M., of N. Y., \$50; S. T. F., 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, Feb. 18 :-F. & R., of Pa.; J. C., of N. J.: C. A. W., of Mass.; N. F. T., of Ga. ; H. B., of Ohio ; F. L., of N. Y. ; S. T. F., of Mass.; E. H. P., of Ct.

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American and Foreign Patent Agency.

Agency. MPORTANT TO INVENTORS.—The undersigned having for several years been extensively engaged in procuring Letters Patent for new mechanical and chem-ical inventions, offer their services to inventors upon the measurement of the services to inventors upon the harge is strictly confidential. Private consultations are charge is strictly confidential. Private consultations are there is a strictly confidential. Private consultations are hargen is strictly confidential. Private consultations are there is a strictly confidential private consultations are hargen is strictly confidential. Private consultations are hargen is strictly confidential private in the strictly by excess, or any the convert, near the strictly by are seed and the strictly of the strictly by are the set of the strictly by the strictly of the strictly of the string to forth and the strict of the strictly by the strictly only and the strictly by are to advise with inventors and manufacturers at all times, relating to fore and manufacturers at all times, relating to fore and manufactures at all times, relating to fore and the strictly and fore and the strictly by the strictly and the strictly by the strictly by

**EUROPEAN PATENTS.**—MESSRS. MUNN & CO. pay especial attention to the procuring of Patents in foreign countries, and are prepared to secure patents in all nations where Patent Laws exist. We have our own special agents in the chief European cities; this en-ables us to communicate directly with Patent Depart-ments.and to save much time and expense to applicants.

NUTICE-TO STEAM ENGINEERS-The undersign-ed having, some years since, made an invention for the combined use of air and steam, the proofs of which are now in the Confidential Archives of the Pa-tent Office, hereby cautions the public against the em-ployment of said device, as by so doing they will trus-pase upon his rights, and four expenses ungratingly, JOHN T. BRUEN, Machine Works and Foundry, [st aweute, 20th st. nue, 29th at.

NORCROSS' ROTARY PLANING MACHINE To Been affirmed by a decision of the Supreme Court of the U.S. that the Norcross Patent does not in-fringe the Woodworth machine. Having obtained the above decision in my favor. I now offer to the public my machines and the right to use them. And I have no bestilation in saying that they are much superior to any other plaining machine in use. I obtained medals at the Fair in Boston, and at the American Institute in New York, for the best planing in competition with the best Woodworth machines. And now that the question of infringement is settled by the highest authority, the public can have them at a fair price. They are not only the best machines ever invented, but the safest-the life of the operator is not endangered as with other machines, which consideration alone is worth four-fold what I ask for the right to use them.

what I ask for the right to use them. Lowell, Mass., Feb.[11th, 1854. # 246\*

Lowell, Mass., Feb. [11th, 1854. p 246\* A machines were used the last harvest in grass or grain or both, with almost uniformly good success, in nine different States and Canada. Twenty six premiums, in-cluding two at the Crystal Palace. (silver and bronze medals.) were awarded it at the autumn exhibitions. I am suilding only 300, which are being rapidly ordered. Mr. Joseph Hall, Rochester, N. Y., will also the grant of the state of the substantian of the sub-erfor \$50, payable when reaperworks successfully, and anoth-erfor \$50, payable is the comber next with interest. Or \$160 cash in advance. Warranted to be agood Self-Ra-king Reaper. Agents properly recommended wanted throughout the country. Experienced agents prefer-red. It is important this year to have the machines widely scattered. Descriptive circulars with cuts, and giving impartially the difficulties as well as success of the reaper, mailed to post-paid applications. J. S. WRIGHT. 24.4\* "Prairie Farmer" Warehouse, Chicago, Ill.

TACHUNINT'S TOOLS-STEEL & STANNARD, J. Jersey City, N. J. have on hand. and are building constantly, Lathes, Planing Machines, Drillers, and other Tools, of a superior character; double gear heavy Drilling Machines, to take in 48 inches in diameter; ge-eral character of Tools [extra heavy. 242

GREAT IMPROVEMENT IN STEAMENGINES GREAT INFROVEMENT IN STEAMLENGINE TREPE'S Patent Spherical Governor & Fuel Eco-nomiser. This Regulator and Economiser will do more work with a given amount of steam than other sknown mode without expensive cut-offs expansion valves or other complicated fixtures, no change of motion to in-terfere with the most delicate work in any case, and be-ing both a regulator and steam economiser at a nemi-nal expense : warranted to supersede by far all others, or the money returned. JOHN TREMPER, 235<sup>6</sup> Highland Iron Works, Newburgh, N. Y.

23.5 Highland Iron Works, Newburgh, N. Y. **S5000** REWARD—For an Invention to Pre-vent the Alteration of Bank Notes. To Cuemists and others. In order to prevent the loss and annoyance occasioned by the ALTERATION of Bank Notes. into the second second second second second second indication of the Bill, as practiced by counterfeiters. and to proce an effectual barrier to such practices, by en-couraging the invention of materials, such as ink and paper, of a nature to afford in either or in any combina-tion of them, the desired protection—the Executive for them, the desired protection—the Executive for the opinion of the Committee, or accompliab-ing the object named. All plans to be submitteed to the materials and processes as the party applying may be willing to disclose. Each applicant to lodge with the treasure of the Association, Hearty to lodge with the resource of the Association, Hearty to lobrok, Bag. for the term of three menths, the sum of one hundred dollars, which shall be paid to any person who shall, du-ring that time, alter, by removing and printinganew, any material portion of a bill or note prepared in accor-dance with the plan submitted, in such a manner that the estimation of a bill or note prepared in accor-dance will stand all the tests which the present knowledge of chemistry affords, then the hundred dol-lars will be returned, and the reward paid over to the successful applicant, and the hundred dollars deposited by each of the other applicants to be returned to them respectively. Per order of the Executive Committee, J. M. GRODON, Secretary. Columbian Bank, Boston, Mass., Jan 24, 1554. 227

Columbian Bank, Boston, Mass., Jan 24, 1554. 227 UNITED STATES PATENT OFFICE. Washington, Jan. 28, 1854. ON THE PETITION of Allien & Wm. A Crowell, of Salisbury, Conn., praying for the extension of a patent granted to them on the 20th day of June, 1840, for an improvement in Churns, for seven years from the expiration of said patent, which takes place on the 20th day of June, eighteen hundred and filty-four-It is ordered that the said petition beheard at the Pa-tent Office on Monday, the 29th day of May next, at 10 oclock, M.; and sail persons are notified to appear and show cause, if any they have, why said petition ought not be granted. Persons opposing the extension are required to fils 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 musb be taken and transmitted in accordance with the fueles of the office, which will be furnished on application. J. Schutz, China and Englier, Chinanai, Ohio, once a week for three successive weeks previous to the 29th day of May next, he day of Internet. P. - MarkEBS MASON, C. B.-Editors of the above papers will please cory and send their bills to the Patent Office, which a paper con-taining this notice. 20 PIPE MAKEBS-And Iron Founders general.

**TO PIPE MAKERS**—And Iron Founders general-iy-G. Peacock's Patent Core Bar, for making all kinds of branches, elbows, curve pieces, or straight pipe of all shapes and sizes. This improvement has been put to the greatest test, never failing to savefiftyper cent Apply to G. PEACOCK, West Troy, N. Y. 22 <sup>3\*</sup>

PELTING FOR STEAM BOILERS & PIPES-Manufactured by J. H. Bacon, Winchester, Mass., for sale at W. & J. MORKISON'S, No. 9 Maiden Lane, N. Y., and T. C. BACON & CO.'S, corner of Union and North sts, Boston, Mass. 216\*

AWRENCE SCIENTIFIC SCHOOL-Harvard University. The next Term of this Institution will open on the second day of March 1354, 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, Botanyby Prof. Gray, Chemistry, analytical and practical by Prof. Horsford. Comparative Analytical and practical by Prof. Horsford. Comparative Analytical and practical by Prof. Myman, Engineering by Prof. Bastis, Mathematics by Prof. Wyman, Engineering by Prof. Destis, Mathematics by Prof. Wyman, Engineering by Prof. Destis, Mathematics by Prof. Hovering, Zoology and Geology by Prof. Agassis. For further information concerning the School applica-tion may be made to Prof. E. N. HORSFORD, Dean of the Faculty, Cambridge, Mass. 214\*

W ANTED-A good permanent situation, either to nery, where capability and a faithful discharge of machi-nery, where capability and a faithful discharge of duty would meet with a liberal recompense, by a person who is and has been for several years past, curning a loco-motive on one of the railroads out of New York. Good references given. Address J. C. GORDON, 435 Fourth Avenue. (In parle Francais.) 214\*

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, offering ights 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 me can do so byaddressing J. D. JOHNSON, 21tf Bridgeport, Ct.

MATHEMATICAL AND OPTICAL INSTRU-militents—The 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 partleu-ary in vite attention to his very large and complete assortment of the justly celebrated Swiss Mathematical Drawing Instruments, for the sale of which, in this coun-iry, he has the sole agency, and which he can furnishat from §5 to \$200 per case. Those Drawing Instruments received theorize medal at the London and New York Exhibitions. Orders fro o any part of the Union prompt-ly executed, and price list sent if required. 21 feow 224 Chestnut st, Philadelphia, Pa. MACHINERY.—S. C. HILLS, No. 12 Platt st., N. Y.

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

NEW HAVEN MANUFACTURING COMPANY —New Haven, Conn., (successors to Scranton & Farshley) have on hand Power Planers, to plane from 3 to 12 feet; slide lathes from 6 to 18 feet long; 3 sizes of hand lathes, with and without shears; and counter shafts: universal clucks; drill presses, index plates, boit cutters, and slide rests. The N. H. M. Company also have the right for Harrison's patent Flour and Grist Mill for the term of five years, and are prepared to furnish these superior mills at short notice. They are unequalled by any other mill, and will grind from 20 to 5<sup>th</sup> bushels per hour, and will run without heating, be-ing aclic conding. They weigh about 1400 lbs, are of the best French burr stone, 36 inches in diameter; are snugly packed in a cast-iron frame, price of mill \$200, packing \$6. For cuts, prices, and further particulars mply Post-paid, as above, or to S. C. HILLS, agent N. H. M. Co., 12 Platts, N. Y.

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WEIGHING AND PACKING MACHINE-This WEIGHING AND PACK ING MACHINE—This machine is particularly adapted for the weighing and packing of ground spices, coffee, tess, saleratus, cream tartar, British luster, arrowroot, drugs, prepared four, 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 machineswill, with the aid of one person, weigh accurately, and pack neatly, from 4to 5.000 packages per day. It requires very little power to run 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 Mils, Philadelphia, Pa. 12 13

MERICAN RAILROAD JOURNAL—This Jour-nal, the oldest in the world devoted to the Rail-road interest, will hereafter centain, in addition to its usual contents, afull and comprehensive department of Railway and Mechanical Engineering, prepared under the direction of a practical engineer and mechanic.— Improvements in Railways, Railway Equipments, and especially in Locomotives, will be duy described and il-ustrated. 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.9 Spruce st. by JOINN H. SCHULTZ & CO., at \$5 a year in advance.

PORTABLE STEAM ENGINES-GEORGE VAIL **PORTABLE STEAM ENGINES**—GEORGE VAIL & CO., Speedwell Iron Works, Morristown, N. J., LOGAN VAIL & CO., No. 9 Goldst, N. Y., are prepared to furnish Portable Steam Engines from four to eight horse power, with locomotive boilers. These engines are recommended for their simplicity, durability, and consorby, being made from the best materials and de-signed for practical use. They are placed on wheels con-venient to be 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 a warded at the late Fair d 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 in full. 21tf

**1854**—MICHIGAN CENTHAL R.H. LINE and the enormous new steamers "Plymouth "and "Wes-tern World," and also General Forwarder, will forward freight of any kind, by any mode of conveyance, to any destination, with dispatch and at the lowest rates ; has trucks and machinery (having been a practical machi-nist has all the skill necessary) for the safe and expedi-tious handling of any machine or heavy article, such as Locometres, Steam Engines and Boliers, Kensine Lathes, Church Bells, Safes, &c. Mark packages care "D. W. Whiting, Bufalo," goods thus consigned take prece-dence with the above boats in all cases. 19tf

**JOHN PARSHLEY**, No. 5 and 7 Howard st., New Haren, Ct., manufacturer of Machinists' Tools, and Steam Engines, has now finishing off 25 Engine Lathes, 6 feet shears, 4 feet between centers, 15 inches swing, and weight about 1100 lbs. These Lathes have back and sorew gear, jib rest, with sorew feed, and the rest is so arranged 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-ehip. Price of Lathe with count shaft and pulicys, \$155 each. Otts, with full description of the inthe, can be had by addressing as above, post-paid. Also four 39 horse power vertical Steam Engines with two cylinders. Price of engine with pump and heater, \$500 cash. For particulars address as above.

ENGINEERING.—The undersigned is prepared to turnish specifications, estimates, plans in general or detail of steamships, steambeats, propellers, high and low pressure engines, boilers and machinery of every de-scription. Broker in steam vessels, machinery, boilers, de. General Agent for Ashcroft's Steam and Vacuum Gauges, Allen & Nores' Metallic, Selfadjusting 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., etc. CHARLES W. COPELAND, 20 tf Onsulting Engineer, 64 Broadway.

C. B. HUTCHINSON'S PATENT STAVE Out-alike to thok and thin staves, for barrels, hogsheads, to; also his Head Cutting and Turning, and Stave Join-ing and Crozing Machines. This machinery reduces the expense of manufacturing at least fifty per cent. For machines or territorial rights, apply to C. B. HUTCH-INSON & CO., Syracuse, N. Y.

PLANING, TONGUING, 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 200 feet, lineal measu e. 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 Grystal Palace, wherefurther informa-tion can be obtained, or of the patente eat Albany, N. Y 1tf

INING MACHINERY-Of most approved con-struction, furnished by FRED'K COOM & CO, Hud son Machine Works, Hudson, N. Y. 15 6m

G. S.,	of N. YWe do not discover anything in the				1011	
	heric matrass which in our opinion could be pa-	<b>WANTED-A</b> second hand Steam Engine, of 10 or 15 horse power, with all the fixtures complete.	ACHINERYS. C. HILLS, No. 12	Platt st., N. Y.	=	
-		Must be but little used, and in good order. Address	Lathes, Universal Chucks, Drills; Kase's,	Von Sahmidtla	■ EONARD'S MACHINERY DEPOT.	, 109, Pearl
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the man	nner described in your letter could not be paten-		Presses, Punches, and Shears; Morticing.	and Tennoning	from the "Lowell Machine Shop," and othe	
ted. W	Ve are familiar with churns of the same kind.	L OF REFORMS-Devoted to Hydropathy, its Philo-	Machines; Belting; Machinery Oil, Bea		makers. Also, a general supply of mechan ufacturers' articles, and a superior quality (	of oak tanned
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any goo	od by the discharge of a current of air under a	live while he does live,' ' live till he dies,' and really live	planed lumber used in our large cities and	townscontin-	established in 1796 by John McAllister, Sen:	r.Mathuma-
	to propel it; the principle also is not new; a boat	instead of being a mere walking corpse, should become	ues to be dressed with Woodworth's Pa	tent Machines.	tical instruments separate and in case	s, Tape Mea-
1		at once a reader of this Journal, and practice its pre- cepts."-[Fountain Journal. 23 4	Price from \$150 to \$800. Two machines as		sures, Spectacles, Spy Glasses, Microscopes ters, Salometers, Hydrometers, Magic L	s, Thermome-
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