Scientific American.

TO CORRESPONDENTS.

J. S. D., of Tenn .- Your plan for propelling a boat is a very old one, and the question of its economy has long since been exploded by actual trial. Boats have been propelled by sucking water in at the bow and discharging it at the rear ; but the screw propeller is far superior to such an ar rangement; our account of the Lancaster gun was correctyou will catch a weasel asleep quite as quick as the Sci. Am. Z. B. P., of Mo.—One dollar received ; but as you omit to subscribe your name to your letter, we cannot enter you uponour subscription books ; your churn we think may be patentable, but there is some doubt about it.

A. P. B., of Ohio-There is nothing new in the lubricator, which you send a sketch of, infact it would not have been new if you had invented it forty years ago; the first one we ever saw was precisely like the one your sketch ex-

A. C. B., of Ala.-Your specification was forwarded for your signature on the 12th : it is no fault of ours that your case has been completed no earlier : the model did notreach us until the first of this month.

M. & J. G., of Ill .- Suitable engravingsto properly illustrate your furnace in the SCI. AM., we should think would cost you about \$18. Your Letters Patent we should require to get the views from; they could be sent by mail or ex press with safety ; we never engage in the sale of patent rights.

J. P. H., of Ohio-It is impossible to state the cost of en gravings of your machines before seeing Letters l'atent or models of them ; if you will send your Letters Patent or models we will inform you of the cost of suitable cuts imm diately on their receipt.

J. G. of Ind.—There is nothing new in the application of a float to regulate the opening of the supply cock in the feed pipe, and we see nothing patentable in your mode of applying it. Other portions of your letter will be published.

J. R. G., of O .- Your petition of withdrawal, with five dollars, came to hand. The fees being all paid, your application is ready to be forwarded to the Patent Office, on its return to us properly executed. C. R., of Phila.-A pickle for cleaning brass is made of

muriatic acid and water; the brass is washed in warm water whenever it is taken out of the pickle. Brass lacker is made by dissolving one ounce of gamboge, cut small, one pound of fine pale shellac, and three ounces of aloes, and half a pound of turmeric, in two gallons of alcohol. Use a clean tin or glass yessel, and agitate for three days, then strain it through a cloth and bottle for use.

A. B., of Conn.-You can tin the wire very rapidly, we should think ; we cannot give you the remedy asked. We have had a number of enquiries about cores like the one you have made ; we do not know of a substitute for sand in making them.

J. M., of N. Y.-Copperis eight times a better conductor than iron. Lyons' conductors appear to be good. G. D., of O-Red lead and inseed oil make the best paint

with which we are accuainted for painting tin roofs.

R. M. B., of Geo.-Neicher a pump nor water ram, to throw back the water on your overshot wheel, will be of the least advantage. We have heard of a steam engine being used to pump up water to supply a water wheel. The pla is as sensible as the one proposed to you for using a hydraulic ram and pump for the same purpose.

E. A. H., of Ill .- We have not heard anything more of Mr. Rankins' invention. We assure you it is impossible to form what is known by the name of coke, by the plan you state as practised by blacksmiths. They cake their coals. but coke is produced by depriving coal of its volutile ducts. In gas works the volatile product is saved, and you may also save it by burning the gas as it is produced.

R. F. M., of N. Y .- A clothes dryer capable of being ad justed as you describe, is not new. The same thing has been in use, and is already secured by patent, we think

W. H. M., of Ind .- We note your observations in regard to interfering cases. You have a perfect right to contest the question of priority with Mr. B. We are well acquaint ed with him, and do not think he is capable of a dishonorable transaction in regard to procuring his patent.

G. K. W., of R. I .- We have examined the sketches of your extension table and find it to possess no patentablenov-elty. We have seen the same thing before, and there is now a patent existing for it, we believe.

C. W. G., of Ct.-Such a wagon brake as you describe is illustrated in No. 41, Vol. 4. No claim can now be made on

J. L. H., of N. Y .- There is nothing new in dispensing with the eccentric and driving the valve from the pistor rod, but as far as we know, that has always heretofore been performed outside the cylinder by a tappet arm on the piston rod acting on fixed collars on the valve rod. Your method of driving the valve dispenses with valve rod and stuffing box, and in that respect is more simple than the other. We should think it practicable and patentable.

W. A. T., of Ark .- With pasteboard, paste, and needle you might get up a binding suitable for your diggins, No special directions can be given.

J. R. & D. H. W., of Mass.-We are very doubtful about your being able to patent the alleged improvement instraw cutters. We think it would interfere with Gale's, but can not fully decide without a model to examine

G. B. C., of Ohio-We don't understand your inquiry.

A. G., of Ind - Your improvement in sewing machines is no doubt a valuable one, and embraces novelty in our opinion. We do not know of any arrangement more simple and effective.

W. C. B., of Ill.-We do not find the model of your endlese chain car. Please send us a sketch and description of it, stating what you claim specifically, and we will give it a thorough re-examination. E T of Ohio_There is no

W. F., of N. Y .-- You are not obliged to stamp the place ce upon your machines at all, unles choose to, and if so you can stamp them with your name and present place of abode, without regard to where you resided when the patent issued. The use of enamelled keys for pianofortes is not new or patentable.

D. N. D., of Mass.-Catches, instead of balls, have been used in a similar manner to the plan proposed in yoursketch. It is not impossible but that a patent might be obtained for you, but it would be doubtful in view of an existing patent

so similar, although your plan is preferable. G. W. F., of Md.—Minifie's Mechanical Drawing Book is

a good work for you to study; price \$3. T. A. R., of Pa.-We cannot give you a receipt for color

ing hair upon which much reliance can be placed. C. T., of N. Y.-We do not discover any novelty in you asthod for regulating the power of marine engines; similar

ideas have been suggested to us before. J. S. M., of Va.-We do not discover any chance for a claim on your "side jointer; it is similar in its operation to a circularsaw, and no claim could be made on a vertical cut

ting disk, as this is already used in planing machines. J. M., f Ind .- Your letter covering \$10 is received, and a re-examination of the case ordered ; as soon as any decis-

ion is made we will lose no time in apprising you by letter. D. N. B. C., Jr., of Mass.-We are obliged to you for the

drawings you send, showing the different applications your invention is adapted to, but we could not publish them, as t ey would occupy too much space : the cut of the faucet alone, which will be published next week, will be sufficien to show the merits of your invention.

E. T. S., of Ohio-Your letter, with \$5, came duly ; Mr. R.'spapers were filed in the Patent Office on the 7th inst. D. H. W., of Ill .- The question as to which wheel slips depends upon the radius of the curve. The treads of ca wheels are generally bevelled. When a carturns a curve the flange of the outer wheel presses close up against its rail, whereby that portion of the outer wheel which rests upon the rail is of a greater diameter than the portion of the inner wheel which rests upon its rail. This will cause the outer wheel to travel further than the inner, without sl p to either-provided the radius of the curve is arranged for that purpose-which is generally the case. When the curve is short, the outer rail elevated, and the velocity of the car low, the weight and friction on the inner wheel is greatest, and the outer wheel slides ; if the speed is sufficiently high the weight and friction on the outer wheel is increas ed beyond that of the inner wheel, and the inner wheel slips -or, in other words, turns faster than the space over which it passes requires.

G. B. of Wis - Your automaticcut off is new to us, and we should think patentable. It is difficult to give an ion of the degree of success that might attend the practical operation of any invention of this character, but we see no reason why it should not work well. We do not remember having received your letter relative to the perpetual motion. C. A., of Ohio-Your improvement in catter bars is not new to us. Think it could not be patented.

R. Mac D., of Tenn.-Your improvement in water wheels

is a good one, and it appears to be patentable.

S. W., of N. Y .- You should get an engraving of your in vention published in the SCIENTIFIC AMERICAN. It will do you good.

J. T., of England-We regard the wit of the person you allude to, as made up of the nips and scraps of London six penny literature-it is trash.

H. T., of N. J.-Galvanized iron is very durable in som situations, but we have been informed that it is not equal to tin.

S. F., of Pa.-If you mix boiled oil with hydraulis ce ment, it will make agood paint for outdoor coarse work.

Claussen Brothers, Charleston, S. C., desire to know where they can get the best improved cracker end bread oven.

S. M., of Ohio-Your mode of enabling locomotives to as cend inclines is not new and cannot be patented.

A. McD., of N. Y.-The stream tin of Cornwall is a source of great wealth to England : no tin plate is manufactured in the United States.

M. T. W., of Mass .- Oil gas does not require to be washe in lime water-it is marely cooled by passing it through : water tank.

H. VanT., of Pa.-Your clover huller appears to be ne in some of its parts, especially the channels for the refus and the good clover seed.

A. C. C., of Conn.-You can coat yournails with tin by cleaning them with muriatic acid and dipping them in molt en tin.

J. J., of N. Y .- We treat such fellows as the one you re er to with silent contempt. No one will believe him where he is known, so it makes no matter how much he may write about us or what he may say. The paper he commuicates with has no moral character

S. O. D., of Vt .- We really do think it would be a good planforyou to preserve potatoes to be carried to New York in the manner proposed by you. T. F. M., of Pa.— We are of the opinion that trains may be

run at one hundred milesperhour; but would a road con s ructed for the purpose pay, that is the question.

M. P. of N. J.-The use of an alkaline lye to steep flax not new, and is therefore not patentab

M. Mc G., of Ky .- Your brick press may be a very good one, but you have not explained it clearly

Money received on account of Patent Office business for the week ending Saturday, Feb. 17 :-

J. M. B., of N. Y., \$30; M. S. K., of Pa., \$52; J. H. McG. of O., \$100; J.S. M., of N. Y., \$32; W.S., of O., \$30; N. W., of Ala , \$10; R. W., of Ct., \$100; W. M., of N. Y., \$25; M. S., of N. Y., \$50; C. C. R., of Pa., \$25; S. G. P., of Ct., -15; C. Van H., of Mass., \$30; B. & S., of Ct , \$40; J. A., of Important Items.

MODELS-We are receiving almost daily, models of inven-tions which have not the names of their inventors marked upon them. This usually prevents us from taking any no tice of them whatever. We shall esteem it a greatfavor if inventors will always attach their names to such models as they send us. It will save us much trouble, and some times prevent the model from being mislaid.

BACK NUMBERS AND VOLUMES-Wehave the following num bers and volumes of the SCIENTIFIC AMERICAN, which we can supply at the annexed prices :-- Of Volume 5, forty numbers; price in sheets, \$1; bound, \$1,75. Of Volum 6, all; price in sheets, \$2; bound, \$2,75. Of Volume 7, all; price in sheets, \$2; bound, \$2,75. Of Volume 8, none complete, but about 30 mumbers in sheets, which will be sold at 50 cents per set. Of Volume 9, complete in sheets, \$2; bound, \$2,75.

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American and Foreign Patent

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Boulevard St. Martin : Brussels. No. 4 Kue **P**'Or. **TURBINE WATER WHEELS**—The Ames Man-ufacturing Company, Chicopee, Mass.—After a se-ries of experiments for several years, and the adoption of all the modern inprovements, including the patents of Uriah A. Boyden, have succeeded in perfecting the Turbine Water Wheel so that they can confidently offer to the public the best Wheel now in use, particularly where great economy of water may be desirable. These Wheels have been adopted in many of our large cott n factories and iron works where large and uniform pow-er is necessary, and we are confident they will give sat-isfaction to any who may wish to avail themselves of the full benefit of their water power. Cotton machinery of all kinds, shafting and machinists tools, also fur-uished on reasonable terms, by Ames Manufacturing Co., Chicopee, Mass. Any information will be furnished on application to JAMES E. AMES. Agent. 248

STATIONARY STEAM ENGINES FOR SALE-Shorizontal Engines with iron bed frames and Jud-son's Patent Valves, good, strong, substantial, plain fin-ished, that will do good service, say from 4 horse power, \$215, to 30 horse, \$1,037. Pumps, Boilers, and fixtures can also be supplied when needed. Address, e3wtf S. C. HILLS, 12 Platt st., New York.

PARTNER WITH \$500-\$1000 WANTED -A celebrated chemist, formerly Professoro Chem-istry in Germany, where he was making a great many practical inventions, intends to establish a chemical mannfactory. Address H. C. G., Stapleton Post Office, Staten Island.

TWO SECOND-HAND SIX-HORSE STEAM EN-gines for sale, one horizontal with boilers complete, price \$300, and one upright, in complete or drer, good as new, price \$175. Alsoone Two-horse Engine and Boiler, has been builtitle used, price \$150. THE WELLS MA-CHINE WORKS, 29th street & 11th Ave, New York. 1*

TECHNICAL DICTIONARY—In the English, French, and German Languages ; by Messrs. Tol-hausen and Gardissal, Civil Engineers. Ready (first part). French, English German, price \$1,31; (second part) English. French, German, price \$1,31; (second part) English. French, German, price \$1,50. These vol-umes are designed for the general use of Engineers, Ar-tists, Manufacturers, Foremen, Artisans, in short, of all those who, in some way or other are concerned in Arts and Manufactures. The present work is the key through which the foreign reader may penetrate into a language which he may know but imperfectly; it is the instantaneous translator of the corresponding techni-cal term, or its equivalent, in the three great industrial languages. Forsale at this office.

Anguages. Forsale at this once. AWRENCE SCIEVTIFIC SCHOOL-Harvard University-The nextTerm of this Institution will open on the first day of March, 1855, and continue twen-ty weeks. Instruction by Recitations, Lectures, and Practical Exercises, according to the nature of the study, will be given in Asronomy, by Messrs. Bond ; Botany. by Prof. Gray; Chemistry Analytical and Practical, by Prof. Horstond: Comparative Anatomy and Physiology, by Prof. Wyman; Engineering by Prof. Bustis; Mathematics, by Prof. Lovering; Zoology and Geology by Prof. Agasiz. For lurther information con-cerning the School application may be made to Prof. E. N. Horsford, Dean of the faculty. Cambridge, Mass., January, 1855. 23 2^a

NEW HAVEN MANUF ACTURING COMPANY Machinists' Tools. 65 Iron planers of all sizes : 350 Machinists Tools. 65 Iron planers of all sizes: 350 Engine and Hand Lathes, all sizes; 50 Upright and Horizontal Drills; 25 Bolt Cutters: 10 Gear Cutters; all kinds and sizes of Chucks. Slide Rests, Hand Drills, &c. These tools are of superior quality, and as they are built by the quantity, can be allorded and will be sold at low rates. For cuts giving full description and pri-ven, Conn.

Ven. Conn. TO MILL*RS.-HOOTH'S PATENT GRAIN SEPARATOR-Manufactured at Cuyahoga Falls. Onio, warranted to be the best thing of the kind ever used for autiling purposes, with horizontal and perpen-dicular blast, a scimprove shaking riddle of periorated copper, giving a smooth surface, cleans from 10 to 500 bushels per hour of wheat, corn and buckwheat. Sec-tis sindispensable to the manufacture of good Bour. A more particular account will be given by addressing the manufacturer at Cuyahoga Falls, Ohio. 216 J. L. BOOTH.

PORTABLE STEAM SAW MILL ENGINES-PUTTAHLE STEAM SAW MILL ENGINES— Silver Medals awarded by the Franklin Institute and Pennsylvania State Agricultural Society in 1631, 1853, and 1854. A number of these engines are now at work driving portable up and down, and circular saw mills, also mills where the water power has failed culars will be sent by addressing the inventor, A. L. ARCHAMBAULT. 15th and Hamilton sts., Philadelphia, Pa. N. B. Portable engines always on hand. 224

ELECTRO MAGNETIC MACHINES-Telegraph Registers, Receiving Magnets and keys manufac-tu-ed and for sale at No. 3½ South Seventh street, Phil-adelphia, by W. C. & J. NEFF. 227

A NGLO AMERICAN AGENCY-Office No. 20 Hat-ton Garden, London, for the introduction and sale by commission of American Manufactures. machinery, inventions, an darticles suitable for the European and British markets. Parties desirous of introducing their goods to the notice of the European public. will find this the most advantageous, direct, and economical method. All communications must be post-paid, addressed to No. 20 Hatton Garden, London. 21 4

All communications must be post-paid, awaressee of All 20 Hatton Garden, London. 214 A CLIPPER AMONG THE MONTHLIES— The Monthly Nautical Magazine, devoted exclu-sively to the Maritime interests of the United States, embracing ship-building commerce, navigation, and marine engineering—will commerce it second volume in April, 1855, enlarged to 99 pages. This work contains draughts of some of the finest vessels of the ag . with other engravings, and is one of the most valuable publi-cations in the country. Terms, single copies soft per an-num, or \$3,50 per volume. Club Rates—Five copies for \$20: twelve copies for \$50. Sample copies sent when re-quested. Address GRIFFITHS & BATES, Editors and Proprietors, 79 John st., New York. 214

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THE FRENCH EXHIBITION-Parties who have applied for space in the French Palace of Industry, and who do not intend to be present at the Exhibition, are recommended by the undersigned to arrange with Messrs. Gardissal & Co., No. 29 Boulevard St. Martin, Paris, who are prepared to put upon Exhibition, attend, and effect sales of articles intrusted to their care. It is a responsible concern. S. H. WALES, State Commis-sioner, Scientific American Office.

DUFFALO MACHINERY DEPOT-Terrace St. **Date** 36 Lloyd st., Buffalo; J. W. HOOKER, Proprie-tor, H. C. Brown, Superintendant, offers for sale Ma-chinists' tools of all kinds: Engine Lathes, Planers, Drills, Chucks, Boring Mills; also machinery of all kinds on hand or furnished to order. 71

TAVE AND BARREL MACHINERY-Hutchin is son's Patent. This machinery which received the highest award at the Crystal Palace, is now in daily op-eration there. Staves, heading, &c., prepared by it are worth to the cooper 20 to 40 per cent. more than when finished in any other way. Special attention is invited to the improved Stave Jointer. Apply to C. B. HUTCH INSON & CO., Crystal Palace, or Auburn, N. Y. 13 tf

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ARRISON'S GRAIN MILLS-Latest Patent.-equal. A supply constantly on hand. Liberal Commis-sions paid to agents. For further information address New Hav em Manufacturing Co., New Haven, Conn., or to S. C. HI LS. our agent, 12 Platt Street, New York.13 tf

NORCHOSS ROTARY 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 Rotary Planing Machine for Planing Boards and Planks, is not an infringemet of the Woodworth Patent. Rights to use N. G. Norcrois's patented machine can be purchased on application to N. G. NORCROSS, 208 Broadway, New York, Office for sale of rights at 208 Broadway, New York; Boston, 27 State street, and Lowell, Mass. 16 6m⁺

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