

TO CORRESPONDENTS.

R. C., of Ohio—Your brick molding is old. R. C. T., of Texas—You wish to know if glass from 1/2 to 3/4 inch thick will adhere to wrought or cast iron? Yes, if you take means to make it stick. J. H. G., of Ky.—We are of opinion that your snut machine is new, and that a patent can be had; your "motion" arrangement is old. A. McD., of Mich.—Your plan for a fire engine's notew; we have applied for patents for more than one which embraced the same outward plan, with differing internal parts. Your car brake is good but very old; your plan for propulsion is also ancient; it has been found to work in practice, but not very well. Try your hand again. J. F., of Mich.—We see nothing patentable in your post-office arrangement. H. M., of Pa.—We must decline your very liberal offer; probably by advertising you can find a partner: our opinion of your book holder remains the same. J. M. W., of Mich.—We think your churn is patentable. Certainly, will do the best we can for you: send us model, and \$35, which will cover all. H. S. N., of N. Y.—\$5 received; all right; much obliged. L. L. C., of New York—We do not know of any other kind of snow plow being used than the common one on railroads, to which you have referred; we cannot tell how yours will work, from your description. S. S. R., of Texas—You can procure good wire fencing of the Lowell Wire Fence Company, Lowell, Mass. G. P. F., of Mich.—The model you speak of is not in our possession—we did not preserve it. J. A. R., of Mass.—The apparatus which you describe for cutting down trees appears to be a novel device, and we should think a patent could be obtained for it. There is no objection to your using the invention for opening and closing shutters. J. H. O., of N. H.—A supplementary or third rail on a railroad for the purpose of preventing accidents, is not new; in Vol. 7 we published Carpenter's plan which embraced the same device. A. G. K., of Ohio—We cannot say whether your machine for sticking sash and blinds will infringe others or not; you must examine others and ascertain the extent of their patent claims. A. L., of Pa.—Your alleged improvement for increasing adhesion in ascending grades and inclines upon railroads, does not, in our opinion, contain any patentable novelty, supplementary wheels having grooved treads to suit a corresponding rail, were among the earliest improvements for that purpose, and since that time many similar devices have been invented. G. K. W., of R. I.—We could not find anything new in your extension table. A. W. F., of Pa.—Your machine for dressing fannies, appears to be a good one, and we think it is decidedly a novel affair. A. T. N., of Ky.—As yet there has been no practical machine put into operation for feeding paper to printing presses; if you have one capable of doing it to perfection, it is useful and valuable; send us a sketch and suitable description of it, and we will report our opinion upon it. T. W., of C. W.—If you will send us a sketch and description of your improved saw set, we will examine it; you do not describe its operation, therefore we are unable to give an opinion in regard to it. R. F., of N. Y.—Your improvement in wagon hubs we think is new, and we advise you to send us a suitable model of it. The patent fee is \$50. D. C. G., of Mich.—You can procure portable saw milled H. Wells & Co., Florence, Mass. Price not known. Benj. Walker, of Detroit, Mich., wishes to know if there is to be a National Convention of Railroad Engineers. I. H., of N. Y.—In No. 9, Vol. 7, of the Sci. Am. you will find a description of Dr. Page's Electro-Magnetic Engine; this is the most promising invention of the kind that we are acquainted with. D. M. B., of Ky.—We cannot tell where you can procure machines for making ointment boxes. A machine for keeping flies away from dining tables has been invented, operating in the manner described by you; a device of this kind was patented over twenty years ago. H. W. R., of Pa.—We would advise you to delay your patent operations until you are better able to carry them forward, or enlist some of your acquaintances in them who can supply the requisite means. L. P., of Pa.—We believe Moore & Hascall's machine is the one to which you refer; turn to the "History of Reaping Machines." You say there is in this paper, Feb. 3d, an article entitled "Not to Ridicule or Despise New Things," and accuse us of inconsistency by charging on to the "Spiritual Machine," in the same paper. Upon what page in that paper do you find the article? We look in vain for it there; we acknowledge our inconsistency in noticing the "Spiritual Machine,"—it is inconsistent with common sense to do so, and is useful time thrown away. A. H., of Va.—We do not know where "Scott's Little Giant Mill" can be procured; we never heard of it; as it is named after Senator Douglas, possibly a line addressed to him at Washington would bring out the necessary information; the Senator ought to keep the run of his namesakes. J. C. H., of N. Y.—Your apparatus for tipping a sleepy fellow out of bed in the morning is a decided novelty, and ought to be very generally employed for that purpose; it is better than to tip a dish of water into the countenance of the sleeper. J. S. D., of Ala.—We do not know anything about the lamp to which you refer, nor about the soap. T. F., of N. H.—We are much obliged to you for the information sent. A. Z., of—Yours has been received. U. L. C. Jr., of Texas—The Minnie bullet would be an advantage in the common rifle. It is conical, with a conical hollow chamber behind, into which is fitted a small iron capsule, that is driven in, and spreads the lead in the grooves of the rifle. W. H., of Vt.—We do not believe that water can be elevated above thirty-two feet by atmospheric pressure. Be careful and not overlook any point. We have all to learn much, and therefore knowledge we obtain, we feel the more consciousness of our ignorance. J. J. H., of Ky.—Read's Treatise on Watchmaking is to be found at Blackie & Son's, 117 Fulton st. The price is \$5. We are not acquainted with any work devoted exclusively to the making of sun-dials. W. D., of Pa.—We have examined the sketch of your atmospheric omnibus, and although we cannot but regard it as a novelty, still we have not sufficient confidence in its success to warrant us in encouraging you to spend money upon it.

M. R. S., of Ind.—We think it very probable that a patent can be secured on the elastic jar cover. You had better send us a specimen for examination. J. T., of N. C.—Hard cast iron can be softened by heating it to redness and keeping it so for a considerable time, then covering it up and allowing it to cool very slowly. F. M. S., of Ohio—If you would smear the trunks of your fruit trees with tar, the rabbits would not trouble them, so we have been informed. J. W. C., of Ind.—The principle of using the same steam in two rotary engines on one shaft is not new; we believe you could not obtain a patent. H. A. L., of N. J.—A patent granted to two inventors is just as valid as if granted to only one, why not? It is absurd to suppose otherwise, and your informant to the contrary is manifestly not capable of giving advice upon the subject. A deed of transfer of any special portion of the territory covered by the patent, would require the signatures of both parties, but either party could sell his undivided portion on his own account. M. Mc G., of Mich.—We should judge from the description given of your railroad car brake, that it possesses novelty of a patentable character, and would advise you to send us a suitable sketch described by letters of reference, so as to enable us to understand it more fully. H. O., of Ind.—We do not think there is the slightest chance for a patent on your alleged improvement in washing machines. Machines made in the same manner are very well known. U. F., of Tenn.—We do not know anything about a stove called the "Iron-Witch." If you can supply us with the patentees name, we can give you the information you need in regard to date, &c. J. J. M., of Ohio—We do not think your machine for cutting wooden screws on bedsteads infringes on any patented machine for the purpose. It is, we think, a good device, and we think a patent may be secured for it. J. B. T., of Pa.—We advise you to send us a sketch and description of your ox-cart, that we may get a more clear and perfect understanding of it. Judging from the description, we cannot find anything new in it upon which a claim can be made, but we can decide this point much better by the aid of a sketch. C. W. G., of Ct.—The model of your alleged improvement in self-acting carriage brakes has been examined. The arrangement is different from any other that we have ever seen for the purpose. Still we question the propriety of making an application for a patent. You had better examine, if you can, the brake illustrated in No. 41, Vol. 4, Sci. Am. J. R. A., of N. Y.—The sketch of your straw cutter has been carefully considered. It is not uncommon with us to receive sketches of cutters constructed in the same manner. In Rees' Encyclopedia is illustrated a machine essentially the same in all its characteristics. H. N., of N. J.—We would like a specimen of your elastic gloves for examination, and then we can pass an opinion upon them.

Money received on account of Patent Office business for the week ending Saturday, Feb. 24:—

D. Mc A., of Ct., \$30; H. & H., of N. Y., \$200; E. R. G., of L. I., \$30; H. & M., of N. Y., \$30; M. B., & McL., of N. Y., \$25; C. W. P., of N. Y., \$20; S. W. H., of Ct., \$10; C. J. F., of O., \$30; E. D. C., of Ct., \$55; J. G. L., of Iowa, \$25; C. W. C., of Mass., \$25; J. G., of N. Y., \$30; W. & G., of N. Y., \$25; J. H. M., of N. Y., \$30; H. T., of O., \$35; C. H. W., of C. W., \$25; A. A., of N. Y., \$27; G. T., of O., \$25; C. H. P., of N. Y., \$20; S. W. H., of Ct., \$70; H. B. L., of O., \$30; D. S. H., of R. I., \$30; A. L., of Pa., \$30; E. T. R., of Ind., \$30; J. C. B., of O., \$35; J. A. W., of Miss., \$25; J. C. B., of Ct., \$30; J. W. D., of N. Y., \$25; G. & G. of L. I., \$25; D. W., of N. J., \$25.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Feb. 24:—

R. W., of Ct., 3 cases; S. H. H., of R. I.; J. W. P., of Va.; B. M., & McL., of N. Y.; C. W. C., of Mass.; M. S., of N. Y.; W. & G., of N. Y.; J. W. D., of N. Y.; G. & G., of L. I.; J. G. L., of Iowa; A. A., of N. Y.; D. W., of N. J.; F. J. B., of N. Y.; W. M., of N. Y.

Important Items.

MODELS—We are receiving almost daily, models of inventions which have not the names of their inventors marked upon them. This usually prevents us from taking any notice of them whatever. We shall esteem it a great favor if inventors will always attach their names to such models as they send us. It will save us much trouble, and sometimes prevent the model from being mislaid.

BACK NUMBERS AND VOLUMES—We have the following numbers 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 Volume 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 numbers in sheets, which will be sold at 50 cents per set. Of Volume 9, complete in sheets, \$2; bound, \$2.75.

We are able to furnish all the back numbers of the present volume of the SCIENTIFIC AMERICAN, and to new subscribers we shall continue to send the back numbers as long as we have them, so as to render their volumes complete.

PATENT CLAIMS—Persons desiring the claim of any invention 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.

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 consider the arrival of the first paper a bona fide acknowledgment of the receipt of their funds.

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HOWLERMANUFACTURING CO.—Wallingford, Conn. Manufacturers of Single and Double Action Power or Hand Presses and Boiler Pumps. Raising Presses for Kettle Bottoms, Tin and Britannia Hollowware. Single and Compound Lever Presses for Tinner's use. Weight of Presses from 100 to 14,000 lbs. Die-beds and Dies made to order. 25 4*

American and Foreign Patent Agency.

IMPORTANT TO INVENTORS. MESSRS MUNN & CO., Publishers and Proprietors of the SCIENTIFIC AMERICAN, continue to prepare specifications and drawings, and attend to procuring patents for new inventions in the United States, Great Britain, France, Belgium, Holland, Austria, Spain, etc. We have constantly employed under our personal supervision a competent board of Scientific Examiners, which enables us to despatch with great facility a very large amount of business. Inventors are reminded that all matter entrusted to our care are strictly confidential, and hence it is unnecessary for them to incur the expense of attending in person. They should first send us a sketch and description of the invention, and we will carefully examine it, state our opinion, and the expense of making an application, if deemed new and worthy of it. Models and designs can be sent with safety from any part of the country by express. In this respect New York is more accessible than any other city in our country. Circulars of information will be sent free of postage to any one wishing to learn the preliminary steps toward making an application.

Having Agents located in the chief cities of Europe, our facilities for obtaining Foreign Patents are unequalled. This branch of our business receives the especial attention of one of the members of the firm, who is prepared to advise inventors and manufacturers at all times, relating to Foreign Patents.

It is very important that trustworthy and competent agents should be employed in securing patents, as great care is necessary in the preparation of the papers, as well as integrity in taking proper care of the case until the inventor is duly invested with his legal rights. Parties intrusting their business in our hands can rely upon prompt attention. Most of the patents obtained by Americans in foreign countries are secured through us; while it is well known that the largest proportion of patents applied for in the U. S., go through our agency.

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For railroads, steamers, propellers, for every class of machinery, and for burning, superior to sperm, or any other oil whatever, and the only reliable lubricator that is a superior burning oil, that will keep burning cool and not get gum.

MASTER MACHINIST OF THE Michigan Southern Railroad, F. S. PEASE, Buffalo.—In regard to the oil manufactured by you, I am confident that you cannot recommend it too high, as it will stand any test that can be put to it. Our road has always heretofore used the best sperm oil. For the last six months I have used your improved machinery signal light oil on the 1st Division on this road, and it has given entire satisfaction. I also used it on the 2d and 3d Division of the N. Y. Central Road, about six months, with equal satisfaction. I can cheerfully recommend your oil after a test of several thousand gallons, as the cheapest and most durable oil for railroad use that I am acquainted with, and practical experience has shown a saving of from ten to fifteen per cent. over sperm or any other oil whatever, for lubricating or burning, and it will not gum. H. D. KENNEDY, Master Mechanic, M. S. Railroad, Address F. S. Pease, No. 61 Main street, Buffalo, N. Y. 25 1

WEALTHY CITIZENS OF NEW YORK.—The Twelfth Edition of "The Wealth and Biography of the Wealthy Citizens of the City of New York," is now for sale at the Sun Office, corner of Fulton and Nassau streets; price 25 cents. It is a handsome book of 80 pages, containing the names of more than 1000 persons estimated to be worth \$100,000 or upwards, and also interesting biographical sketches in which the origin and mode of accumulating some 500 of these large fortunes is traced. 25

JOHN PARSHLEY.—No. 5 and 7 Howard street, New Haven, Ct., is now finishing 25 Iron Planers to plane 6 feet long, 25 in. wide, and 23 in. high, and weigh 3000 lbs. These planers have the down and angle feed in the head, and are built in the best workmanlike manner, and are warranted as good as the best planers built in the New England States. The price of planer with counter shaft, all complete, \$300; a discount of 10 per cent. will be made on all orders received before the first of April, 1855; terms cash, and boxing and shipping charged extra. Cutts of these planers and other tools can be had by addressing as above, post-paid. 25 1/2

THE NEW YORK DAILY SUN.—Read by upwards of Two Hundred Thousand persons daily, and the best advertising medium in the city, is mailed to Country Subscribers at \$4 per year, or \$1 per quarter payable in advance. Postage in the State, 75 cents per year; out of the State \$1.50 per year, payable in advance. MOSES S. BEACH, Publisher, Corner of Nassau and Fulton streets, N. Y. 25

AN UPRIGHT RES-LITTING SAW FOR Sale.—Of the most improved construction, and has never been used; the owner having taken the same for debt, with no use for it, it will be sold very low. A. P. SMITH, 444 Eighthavenue. 1*

JOHN D. BODWELL'S Improved Smut and Septaria Machine, manufactured and for sale at Uhrichsville, Tuscarawas Co., Ohio. Agents wanted for selling machines; also rights for sale by the County or State. 25 3*

FOR SALE.—A complete set of the Scientific American (minus Vol. 1 only) in good condition neatly bound, may be had at this office. This is the only set that has been offered for sale for many months. The set is comprised of eight volumes. 25

THE NEW YORK WEEKLY SUN is now sent to subscribers at the following very low rates, payable in advance:—One copy, 3 months, 25 cents; 6 mos. 50 cts.; 1 year, 75 cts.; 16 months, \$1.30; 1 year, \$2; 8 copies, \$5; 13 copies, \$8; 25 copies, \$15. The postage within the State is only 13 cents a year—out of the State 26 cents a year. No traveling agents are employed. Specimen copies sent gratis. All letters should be post paid and directed to MOSES S. BEACH, Sun Office, New York. 25

TURBINE WATER WHEELS.—The Ames Manufacturing Company, Chicopee, Mass.—After a series of experiments for several years, and the adoption of all the modern improvements, 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 cotton factories and iron works where large and uniform power is necessary, and we are confident they will give satisfaction to any who may wish to avail themselves of the full benefits of their waterpower. Cotton machinery of all kinds, shafting and machinists tools, also furnishing of reasonable terms, by Ames Manufacturing Co., Chicopee, Mass. Any information will be furnished on application to JAMES T. AMES, Agent. 24 8

ELECTRO MAGNETIC MACHINES.—Telegraph Registers, Receiving Magnets and keys manufactured and for sale at No. 31 1/2 South Seventh street, Philadelphia, by W. C. & J. NEFF. 22 7

TENON MACHINES.—To Correspondents and others.—A machine may be seen in operation at and during the present Exhibition of the M. Mech's Institute, Washington City. B. B. EAMES, Agent, C. P. S. WARDWELL, Patentee, Lake Village, N. H. 23 3

MUSIC.—PRESCOTT & BROTHERS make, at Concord, N. H., after their own patented invention (April 17, 1849,) the best Melodeons, Seraphines, and Reed Organs to be found in the country, and at lower prices for the quality. 23 3*

MACHINE GROUND CIRCULAR SAWS.—Patent applied for.) Mill men would do well to try these saws, are perfectly free from thin or thick places, can be used thinner and with less set, and run faster than any other hitherto made. All diameters and thicknesses warranted perfectly true. HENSHAW & CLEMSON, 31 Exchange street, Boston. 19 8*

TECHNICAL DICTIONARY.—In the English, French, and German Languages; by Messrs. Tolhausen and Gardisal, Civil Engineers. Ready (first part) French, English German, price \$1.50; (second part) English, French, German, price \$1.50. These volumes are designed for the general use of Engineers, Artists, 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 technical terms, or its equivalent, in the three great industrial languages. For sale at this office.

NEW HAVEN MANUFACTURING COMPANY 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 afforded and will be sold at low rates. For cuts giving full description of articles, address New Haven Manufacturing Co., New Haven, Conn. 21 1/2

TO MILLERS.—BOOTH'S PATENT GRAIN SEPARATOR.—Manufactured at Cuyahoga Falls, Ohio, warranted to be the best thing of the kind ever used for milling purposes, with horizontal and perpendicular blast, also improved slaking ridges of perforated copper, giving a smooth surface, cleans from 10 to 500 bushels per hour of wheat, corn and buckwheat. Sections where garlic, oats, smut balls, etc., are troublesome, it is indispensable to the manufacture of good flour. A more particular account will be given by addressing the manufacturer at Cuyahoga Falls, Ohio. J. L. BOOTH. 21 6*

PORTABLE STEAM SAW MILL ENGINES.—Silver Medals awarded by the Franklin Institute and Pennsylvania State Agricultural Society in 1851, 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. Circulars will be sent by addressing the inventor, A. J. ARCHAMBAULT, 15th and Hamilton sts., Philadelphia, Pa. N. E. Portable engines always on hand. 22 4*

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. Gardisal & 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 Commissioner, Scientific American Office.

BUFFALO MACHINERY DEPOT.—Terrace St. and 36 Lloyd st., Buffalo; J. W. HOOKER, Proprietor, H. C. Brown, Superintendent, offers for sale Machinists' tools of all kinds: Engine Lathes, Planers, Drills, Chucks, Boring Mills; also machinery of all kinds on hand or furnished to order. 7 1/2

STAVE AND BARREL MACHINERY.—Hutchinson's Patent.—This machinery which received the highest award at the Crystal Palace, is now in daily operation 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. HUTCHINSON & CO., Crystal Palace, or Auburn, N. Y. 13 1/2

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HARRISON'S GRAIN MILLS.—Latest Patent.—\$1000 reward offered by the patentee for their equal. A supply constantly on hand. Liberal commissions paid to agents. For further information address New Haven Manufacturing Co., New Haven, Conn., or to S. C. HILLS, our agent, 12 Platt Street, New York, 13 1/2

NORCROSS 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 infringement of the Woodcock's Patent. Rights to use N. G. Norcross's patented machine can be purchased on application to N. G. NORCROSS, 208 Broadway, New York. Office for sale of rights at 205 Broadway, New York; Boston, 27 State street, and Lowell, Mass. 16 6m*

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IMPORTANT IMPROVEMENT.—In Rotary Planing, Tonguing and Grooving Machines. Patented November 21st, 1854. These machines have been thoroughly tested, and their superiority over all others proved beyond a doubt. They will plane very much better and faster than any others now in use, never tearing or throwing out loose knots. Applications for rights and machines, or for further particulars can be made to the patentee, JAMES A. WOODBURY, Winchester, Mass., Jan. 5, 1855. 18 40w*

OIL! OIL! OIL!—For railroads, steamers, and for machinery and burning.—Pease's Improved Machinery and Burning Oil will save fifty per cent., and will not gum. This oil possesses qualities vitally essential for lubricating and burning, and found in no other oil. It is offered to the public upon the most reliable, thorough, and practical test. Our most skillful engineers and machinists pronounce it superior and cheaper than any other, and the oil of that is in all cases reliable and will not gum. The Scientific American, after several tests, pronounced it "superior to any other they have ever used for machinery." For sale only by the inventor and manufacturer, J. S. PEASE, 51 Main st., Buffalo, N. Y. N. E.—Reliable orders filled for any part of the United States and Europe. 19 60w*

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ENGINEERING.—The undersigned is prepared to detail of steamships, steamboats, propellers, high and low pressure engines, boilers and machinery of every description. Broker in steam vessels, machinery, boilers, &c. General Agent for Ashcroft's Steam and Vacuum Gauges, Allen & Noyes' Metallic Self-adjusting Central Packing, Faber's Water Gauge, Sewell's Saliometer, Dudgeon's Hydraulic Lifting Press, Roebing's Patent Wire Rope hoisting and steering purposes, etc. CHARLES W. COPELAND, Consulting Engineer, 64 Broadway 14 130w

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A. B. ELY, Counsellor at Law, 52 Washington st., Boston, will give particular attention to Patent Cases. Refers to Messrs. Munn & Co., Scientific American Office. 16 1y*

VAIL'S CELEBRATED PORTABLE STEAM Engines and Saw Mills, Rogardus' Horsepower, Smut Machines, Saw and Grist Mill Irons and Gearing, Saw Gummers, Ratchet Drills, &c. Orders for light and heavy forging and castings executed with dispatch. 5 1y* LOGAN VAIL & CO., 9 Gold st., N. Y.

NORTHVILLE MACHINE WORKS.—Manufacturers of Machinists' Tools, comprising of Engine Lathes, Power Planers, Hand Lathes, Engine Lathes for turning chair stuff, all of the most improved patterns and quality of workmanship. Worcester, Northville, Mass., August 1854. TAFT & GLEASON. 60 1y*