Scientific American.

CORRESPONDENTS

F. N. B. of Wis .- Napier's Electro Metallurgy, pub lished by 11. C. Baird, of Philadelphia, will answer your purpose, we think. G. F. II. of N. J.-We have been informed that alcohol

will not affect india rubber, it contained in a bottle of that substance. You can make india rubber liquid by d solving it in naptha or turpentine. Cut it in fine shreds, and let it steep for about ten days in a close vessel, stir ring it occasionally. You can use it to unite the edges of india rubber.

G.T. of Pa.-Our common sumac should be dried thoroughly before it is ground. Bogardus' mills will grind it as fine as you desire. The sumac employed by dyers and morocco dressers, is not our common kind, but the Sicily sumac, which is imported. Quercitron bark is the inner rind of the tree, and must be thoroughly dried for exportation. It is ripped or ra-ped in mills suit-ed to the purpose, not ground fine. There is no published work on the subject of preparing dye drugs. Oliver Evans' Millwright's Guide is a good work on the subject of mills.

R. C. of Md -If you had submitted yoursketch to us at the proper time, we should have advised you that the at the propeller mine, we should not a write a visca you that the propeller was not new. We published the samething in Vol.5 of the Sci. Ax. See "Ilistory of Propellers and Steum Navization." We are surprised that any agent at all familiar with the subject should have encour-aged you to believe it to be new and patentable. We

cannot do anything for you in the matter. S. L. G and others.—We regret that we are no longe able to supply Nos. 1, 6, and 9 of this volume.

E. H. D. of Mass.-We have read your letter-it is somewhit long-and have examined your sketch of a re petual motion water-wheel. The machine will not operate. Of this you can easily satisfy yourself. Your calculations are based on wrong premises. You can easily test them by an experiment.

A. B. of Cal.-From your description we cannot understand how your electric engine is made. Rotary electro magnetic engines are the most common. We have seen a number of them, and have illustrated and described them in former volumes of this paper.

E. C. of Mass.-We think your improvement in pumps embraces novelty of a patentable character, as we have no recollection of anything like it. You must bear in mind, however, that this is a very difficult class of cases. An invention of general utility usually calls out a great amount of genius. This is especially the case with pumps There are many patents on them, hence the chances are less encouraging C Y. H. of Va.—Air doubles its volume by 491 degree

of heat. A. M. S., of Pa.-You should examine Parker's patent

and then judge if your wheel infringes it. His patent for giving the water a whirling motion before entering the wheel, expired in 1350.

J. B. D., of Ohio.-If an invention has been in public use for more than two years previous to the application for the patent, the law declares the patent to be invalid. A court would so decide in case the evidence clearly established the fact of prior use. B. F. S., of Ind.—A saw having teeth on both edges for

the purpose of cutting both ways, is not new. Such saws are well known. It would be no more patentable to cut teeth on both edges of a saw blade than it would to grind wo edges on a knife blade. J. E. C., of N. Y.-Wood at two dollars per cord is cer-

tainly cheap, and steam power would be economical for your purpose with such fuel.

E. H. McA., of Iowa.-In our last number there was a brief description of an engine operated by compresse air which has been in successful use for six years, but it requires a steam engine to compress the air. G. D. W. of Iowa.—Burning fluid is made with alcohol

and camphene; we do not consider it very safe to use in a family. Liquid india rubber is the best substance with which we are acquainted for rendering boots and shoes water tight. Several coats of linseed oil varnish will render leather water proof; each coat must be allowed to dry before the next is put on. Mahan's Civil Eng-neering, published by J. Wiley, this city, is a good work. A. Z., of Ill.-India rub ber dissolved in naptha or turpentine makes an elastic cement. You can combine it with chalk, and white lea d. It may suit your purpose,

E. H. P. & Co., of Ohio.—A first rate work on Gri-t Milling containing full information written up to the present day, would be a desideratum. The only work in print on the subject is the Miller's Assistant, published by H. C. Baird, of Philadelphia.

F. G. R., of Va.—We are not acquainted with any pe-culiar machine or furnace to make charcoal from corn cobs, but a common report for making gas will answer the purpose. It will not be easy to kyanize yellow pine plank, because it contains so much resin. We cannot spare the numbers to which you refer.

L. P , of N. Y.-Carriage brakes operating in the man ner you describe are not new. If you have access to volume 4 of the Sci. ΛM , you will find an engraving of one substantially like yours. We have frequently had sketches of the same thing.

Moneyreceived at the SCIENTIFIC AMERICAN Office on accountof Patent Office business for the week ending

Saturday, Nov. 22, 1856 :-J. S. B. of N. II. \$100 ; H. K. of Mass. \$25 ; G. F. S.W $\begin{array}{c} (5.5, 5.6) & (3.1, 5.6) & (3.1, 5.6) & (3.5, 5.2) & (3.7, 5.8) & (3.7, 5.6)$ \$30 ; J. B. of Wis. \$110 ; D. L. J. of Mich. \$.5 ; N. R. of $\begin{array}{l} Pa, \$3); \ C. \ W. of \ Me. \$55; \ M. \ W. of \ N. \ Y. \$30; \ J. B. of \ Mass. \$3); \\ E \ F. \ F. of \ Vt. \ \$55; \ G. \ W. \ B. \ of \ Vt. \ \$25; \ J. \ P. \ C. \ of \ Mass. \$3); \\ \end{array}$ Tenn. \$30; J. C. of N. Y. \$57; J. A. of N, Y. \$25; A. F W. of N. Y. \$2.5.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent

Office during the week ending Saturday, Nov. 22 :-L K. S. of Conn.; T. M. of Pa.; M. C. R. of Ohio; W L. of N. Y.; J A. of N. Y.; H. K. of Mass.; E. S. S. of Conn.; G. B. McC. of Me.; T. C. of Mass.; J. W. R. of O.; D. L. I. of Pa.; J. B. of Wis.; D. W. of N W. of N. Y. G. W. B. of Vt.; J. C. of N. Y. D. L. L of Pa. : J. B. of Wist: D. W. of N. J. A. F.

Important Items.

COMPLETE SETS OF VOLUME XII EXHAUSTED. _w. regret that we are no longer able to furnish complete sets of the present volume. All the back numbers except 1, 6, and 9, we can yet furnish, if new subscribers desire to commence back to the beginning of the volume; but unless they specially request to the contrary when making their remittance we shall commence their subscription from date of receipt of the order.

Subscribers to the SCIENTIFIC AMERICAN who fail to get their papers regularly will oblige the publishers by stating their complaints in writing. Those who may have missed certain numbers can usually have them supplied by addressing a note to the office of publication

INVENTORS SENDING MODELS to our address should always enclose the express receipt, showing that the transit expenses have been prepaid. By observing this rule we are able, in a great majority of cases, to prevent the collection of double charges. Express companies, either through carelessness or design, often neglect to mark their paid packages, and thus, without the receipt to confront them, they mulct their customers at each end of the route. Look out for them.

PATENT LAWS AND GOIDE TO INVENTORS .- This pam phlet contains not only the laws but all information touching the rules and regulations of the Patent Office Price 12 1-2 cents per copy. A Circular, giving instructions to inventors in regard to the size and proper construction of their models with other useful informat tion to an applicant for a patent, is furnished gratis a this office upon application by mail.

RECEIFTS—When money is paid at the office for subscription, a receipt for it will always be given ; but when sub scribers remit their money by mail, they may consider the arrival of the first paper a bona fide acknowledgment of the receipt of their funds.

PATENT CLAIMS—Persons' desiring the claim of any in vention 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 date of patent

when known, and enclosing \$1 as fees for copying. GIVE INTELLIGIBLE DIRECTIONS-Weoften receive let ters 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 post of fice at which they wish to receive their paper, and the State in which the post office is located. Literary Notices.

WESTMINSTER REVIEW-The number of this able re-view for the present quarier contains eight original es-says, besides the unait criticisms on "contemporary liter-ature." The review of the life of George Forster, the famous German naturalist, is full of touching incidents and thrilling interest. Hemerson's English 'Traits are re-viewed with a genith hand. All the articles are good.— Published by Leonard Scott & Co., No. 54 Gold street, this city.

Inis city. GREGORY'S INORGANIC CHEMISTRY — The fourth edition of Prof. Gregory's Handbook of Inorganic Chem-istry has just been published by A. S. Barnes & Co., John street, this city. It is the most complete work on the sub-ject now published, containing as it does the Physics of Chemistry, by Prof. Sanders, of Cincinnati. It is writ-ten up to the present state of chemical science, and is a most valuable acquisition to our scientific literature. It contains treatises on heat, light, and photography. No student can do without it. It is writen in a vigorous style, [comprehensive and brief. Dr. Gregory possesses the power of saying a great deal in a very lew words.

Terms of Advertising.

Twenty-five cents a line each insertion. We respect fully request that our patrons will make their adver-tisements as short as possible. Engravings cannot be admitted into the advertising columns.

I All advertisements must be paid for before insert ing.

IMPORTANT TO INVENT-ORS.

ORS. THE UNDERSIGNED having had TEX years' practical experience in soliciting PATENTS in this and foreign countries, beg to give notice that they con-time to offer their services to all who may desire to se-cure Patents at home or abroad. Mose papers were prepared at this Office, and on an avere after, or one-third of all the Patents issued each week, are on cases which are prepared at our Agency. An able corps of Engineers, Examiners, Draughtsmen, and Specification writers are in constant employment, whore thereders us able to prepare applications on the hortest notice, while the experience of a long practice, and facilities which few others possess, we are able to give the most correct counsels to inventors in regard to the patentability of inventions placed before us for ex-ination. Private consultations respecting the patentability of in-

The the most correct counsels to inventors in regard to the patentability of inventions placed before us for ex-initation. Private consultations respecting the patentability of in-rentions are held free of charge, with inventors, at our office, from 9 A. M., until 4 P. M. Parties residing at a distance are informed that it is generally unnecessary for them to incur the expense of attending in person, as all the steps necessary to secure a patent can be arranged by letter. A rough sketch and description of the improve-ment should be first forwarded, which we will examine and give an opinion as to patentability, without charge. Models and fees 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 towards making an application. In addition to the advantages which the long experience and great success of our firm in obtaining patents present to inventors, they are informed that all inventions pat-ented through our establishment, are noticed, at the prop-r time, in the Scientrip of Marguer Anger is read by not less than 100,000 persons every week, and en-joys a very wide spread and subtantial infuence. Most of the patents obtained by Americans in foreign countries are secured through us, while it is well known that a very large proportion of all the patents applied for in the U. S., go through our agency. Murn & CO. American and Foreign Patent Attornies, Principal Office 128 Fulton street, New York.

NECKERMANN'S Patent Universal Lathe NECK B^TMANN'S Patent Universal Lathe manufacture of the above article, (illustrated in No. 51, Vol. 11, Scientific American, and for which a silver medal was awarded at the late Pennsylvania State Fair) wil be sold cheap. Persons desiring to engage in the bu iness will do well to communicate before the lst of January next, to the patence, M. NECKERMANN, 1* Lawrenceville, Alleghany Co., Pa.

FOR SALE-A second-hand 5-horse power engine and 15-horse boiler. price \$:50. Inquire at EDGAR FARMER & CO, 12 4* No. 21 Cortlandt st., N Y.

WANTED-A man with a capital of \$1,500 or \$2,000. to engage in a new, safe, and profitable business for further information please address, 1* L. N. LELAND & SON.

J. R. STAFFORD'S FAMILY RECEIPT Book, Contains 150 new and practical Household ■ Book, Contains 160 now and practical Household Receipts. An account of the most prominent diseases— what produces what will cure, and way. Illustrated by 25 large and comprehensive anatomical engravings, This book also contains a list of nearly 50 different sub-jects comprising inventions, discoveries, and informa-tion which, in the optimion of the London Society of Arts, are now required by the public and ior which they offer valuable premiums. This book also contains much other valuable information for mechanics, farmers, and others. The above book will be sent free of postage on receipt of Ten cents or three stamps, by J. R. STAFFORD, Practi-cal Chemist, No. 16 State st., New York. 115*

cal Chemist, No. 16 State st., New York. 115* BOSTON HALL OF ARTS-A permanent Indus-trial Exhibition for new inventions, raw materials, manuactured fabrics, Sc., will be opened in a building sanding near the United States Hotel, with a front of 200 freet on Lincoln st. to the east, and 50 feet on Essex st., to the north. The lower story is occupied by elegant stores, and the two upper stories, each life tein in light, and com-prising together more than 20,000 square feet of floor, will be occupied by the exhibition. Joth rooms have an abundance of light on three sides. Terms of Exhibition —Each exhibitor not occup jung more than three square feet of space. will pay a leat 0. §4 per ampun, and for each additional square ioot, 51. This rent will be payable quartery in advance. For every dollar thus paid, the exhibitor not infineself, and to keep in attendance a person to not person. Every exhibitor will be allowed free ad-mission for hilmself, and to keep in attendance a person or persons necessary to take care on his exhibition, but not to introduce visiors without tickets. The price of a single ticket, admitting one person, will be 26 cents. The Hail will be ready for the reception of goods designed for the exhibition will be noteration by Jan 1, 1657. Those who would secure space should make application, by letter, to the Superintendent, stating the nature of the articles to be exhibited and the amount of allower of the articles to be exhibited and the amount of allower of the articles to be exhibited and the amount of allower of the articles to be exhibited and the amount of allower of the articles to be exhibited and the amount of allower of the articles to be exhibited and the amount of allower of the articles to be exhibited and the amount of allower of the articles to be exhibited and the amount of allower of the articles to be exhibited and the amount of allower of the articles to be exhibited and the amount of allower of the articles to be exhibited and the amount o

ROPE MAKERS should get particular information machine (patented July last by T. G. Isoone) occupies not 2: inches square, makes superior rope twice a fast, with not haif the power required for other machines.— Such are facts. Address, A. & J. T. SPEER, 12 2* 212 Broadway, N. Y.

TOWER'S PATENT ICE CREEPER-For sale. Rights to manufacture or sell the manufactured in all darts of the country. Alsoagents wanted is all districts where rights have not been sold. For de-scription or the article see Scientific American of Nov. 15th. For further particulars address SAFFORD & WILLIAMS, 1* No. 39 South Fourth st., Philadeiphia, Pa.

WV OODWORTH'S PATENT PLANING, Tonguing, and Grooving Machines, double and Single. The largest assortment to be found in the United States, varying in price from \$3.0 to \$3.000, and each machine guaranteed to give entire satisfaction to the pur-chaser. JOHN H. LESTER, 12 4^{se} No.57 Pearlst., Brooklyn, N. Y,

STEAM ENGINES FOR SALE at Louisville, Ky.—One 10-inch bore and \$ ft. stroke ; one 6 inch bore and 1-inch stroke ; one 4-inch by 14 inch stroke. All second-hand. Also one 6 1-2 inch by 1, inch, and one 5 by 16-inch, new. 1* Louisville, Ky.

STOVE POLISH-The best article of the kindyet invented for family use. Sold wholesale and retail 114 John st., New York, by QUARTERMAN & SON. 12 tf

GUEST'S SOUNDING GUARD.—Described in OSCI. AM,, Vol. 12, No. 9. Rightsfor rivers, lakes, or ports, for sale, or the whole patent, except the right for U. S. Government vessels. Address Lieut. JNO. GUEST, 11 3* Washington, D. C.

BO HORSE STEAM ENGINE—Atthe Crystal Palace, called the "Endeavor," the best engine ever exhibited by the American Institute; will be sold low if applied for immediately. S. C. HILLS, 10tr 12 Platt street, N. Y.

ATTEAWAN MACHINERY DEPOT-No. 62 Cortlandt street, New York - Woodworth's Plan-ing Machine Patent expires Dec. 27, 1856. Staionary and small Marine Steam Isngines; Water Wheels. Mill gearing, Shatting; Flour, Gement, Saw, and Sugar Mills, Uotton and Woolen Machinery, Kailroad and Machine Shop Tools of every description. A very extensive as-sortment of Gears and Pulleys. Orders executed atshort notice. SAIM. B. SCHENCK, Agent. 101m

WRIGHT'S PATENT SECTIONAL SPRING BED BOTTOM-The cheapest and most perfect article in us. LIPPINCOTT & CO., Manufacturers, No. 1180 Broadway, N. Y. 10 3m*

M ACHINISTS' TRY EQUARES—An entirely traight-edges; cast steel beveled Straight-edges for ma-chinists; cast steel Yard Sticks for carriage trimmers; combined Gauge and Callipers, and a superior drating scale for Architects and Engineers—may be had by ad-dressing DARLING & SCHWAITZ Bangor. Maine. The Scales are warranted the exact U.S. standard, and graduated practically perfect. And all the above tools are warranted far superior to any thing of the kind in use and to give entire satisfaction. Sold by Tool Deal-ers in general. For further particulars address the man-utacturers. Orders executed with dispatch. The above tools are used and recommended by the Mechanical De-partment at Washington. 10 4*

TO FANNING MILL MAKERS-Lewis & King, Seneca Falls, N. Y., manufacturers of a superior ar-ticle of Fanning Mill Irons, are now prepared to make arrangements for supplying castings on the most reason-able terms for the year 1857. 9 9*

GENTS WANTED TO SELL RECIPES for making honey as good as that made by bees, and does not cost over six conteness that made by bees, and does not cost over six cents per pould, sent for one dollar in gold. N. R. (ARDINER, Peace Dale, R. I. 93*

LINEN AND TOW MACHINERY FOR SALE — A large lot of preparing, wet and dry spinning, twisting, and finishing. For particulars apply to A. E. POWERS, Lansingburgh, Remsilaer Co., N. Y. 94*

SHOE TOOLS—Best of all kinds at the lowest prices manufactured by GEO. WILLIS, Worcester, Mass. 13*

1000 AGENTS-For unparallaled induce Mich. Send stamp to box 533, Detroit 10 2*

HARRISON'S GRIST MILLS-20, 30, 36 and 48 inches diameter, at \$100, \$200, \$300, and \$400, with all the modern improvements. Also, Portable and Sta-tionary Steam Engines of all sizes, suitable for said Mills. Also Holters, Elevators, Belting, &c. &c. Apply to 3e 3wt S. C. HILLS, 12 Platt st., N. Also Bon 3 e 3wtf

TO WHOM IT MAY CONCERN-This certifies that I have one of Wells & Co's Circular Saw Mills in operation, with which we are now cutting from ten to fifteen thousand deet of road plank per day (12 hours) and we have no doubt but we could, under favorable circum-stances, cut 20,000 feet in 12 hours. Our engine is 8 'nich, bore and 16 inch, stroke. Boiler 21 teet long, 42 inches diameter, two 1 inch, flues. Our logs are 8 feet long, Grand Blanc, Genesee Co., Mich, Sept. 13th, 1356. Orders for mills sent to H. Wells & Co., Florence, Hampshire Co., Mass., will receive prompt attention. 6 Seow lampshi 6 3eow

CRIDGE & V'ADSWORTH'S IMPROVED Oscillating Steam Engine. Patented December 72th, 1854. After a thorough practical test for about two years of the above improvement, our success warrants us in inviting the closest examination into its reputation in our own locality, and the great popularity of our engines in the midst of the most active and intelligent competi-tion. To engine builders and capitalists we present the following considerations. An enine unsurpassed for du-rative transformer and simplicity, cutting off the steam close to each end of the cylinder by means of a side pipe adjustable by set screws, securing a perfectly steam ight valve with little or no friction or pressure, combining all the advantages of a double slide valve en-gine and at the same time dispension waite of power in running. And finally we present an improvement (ap-plicable to all cylinder engines) which enables the man-ucheturer to construct them at one half the cost of any other engine of the same value This last consideration commends it to the immediate and earnest attention of all persons interested or engaged in manufacturing en-gines. Believing that the improvement is dedi.ed to revolutionize this blanch, of munfacture, we have deci ded upon selling such a number of shop rights as will binn the odd all uses and at the same time secure the persons purchasing against too much competition with each of ther, and on such terms as will bing it within the reach of all in modera e circumstances. Letters of in-quil meet with prompt attention. For explanations see No. 11, Vol. 12, Soc. Am. CRIDGE, WADSWORTH at CO., Pittsburg, Pa. 124

DATENT ORNAMENTAL LATHE for bedstead teapoy and null turning, with gre at perfection, with-out a pattern. Rights and lathes for sale by P C. Cam-bridge, patentee, North Enfield, N. H. LEONARD & WILSON, 60 Beaver st., N. Y., Agents. 8 10*

AP-WELDED IRON BOILER TUBES.—Pross-THOS. PROSSER & SON, 28 Platt st., N. Y. 8 tf

D. BARNETT, Malleable and Gray Iron Works, Hamilton cor. of McWhorter st., Newark N. J. Orders promptly attended to.

SWISS DRAWING INSTRUMENTS - A full stock of these celebrated instruments always on hand. Catalogues gratis. 7 6°eow 211 Chestunt st., Philadelphia. tock of these celebrated instruments always on Catalogues gratis. ANSLER & WIRZ, teow 211 Chestnut st., Philadelphia.

W OOD WORTH'S PATENT PLANNG, Tonguing, and Grooving Machines.—The subscriber, from his twenty-four years' experience both ia the use and manufacture of these unrivalled machines. is pre-pared to furnish them of a quality superior to any that can be procured elsewhere for the same money. Prices from \$56 to \$1550. Also several good second hand Planing, Tonguing, and Grooving Machines for sale. Rights for sale in all the unoccupied towns in New York and Nor-thern Pennsylvania. JOIN GIBSON, 5 12* Planing Mills, Albany, N. Y,

MACHINE BELTING, Steam Packing, Engine Hose.—The superiority of these articles manufac-tured of vulcanized rubber is established. Every belt will be warranted superior to leather, at one third less price. The Steam Packing is made in every variety, and warranted to stand 300 degs, of heat. The hose never needs oiling, and is warranted to stand any required pres-sure; together with all varieties of rubber adapted to mechanical purposes. Directions, prices, &c., can be ob-tained by mail or otherwise, at our warehouse. New York Belting and Packing Co., JOHN 11. CHEEVIER, Treasurer, No. 6 Deystreet, N.Y. 45 20*

PAGE'S PATENT PERPETUAL LIME KILN, will burn 100 barrels of lime with three cords of bushel wirn 1 tuh bituminous coal in the same time; coal is not mixed with limestone. Rights for sale. 45 26 C. D. PAGE, Rochester, N. Y.

50 STEAM ENGINES—From 3 to 40-horse power also portable engines and boilers; they are first class engines, and will be sold cheap for cash. WM BURDON, 102 Front st., Brooklyn. 41 tf

GOLD QUARTZ MILLS of the most improved con-struction; will crush more quartz and do it finer than any machine now in use, and costs much less. WM BURDON, 102 Front st., Brooklyn. 41 tf

VAIL'S CELEBRATED PORTABLE, S'REAM Engines and Saw Mills, Bogardus' Horsepowers, Smut Machines, Saw and Grist Mill irons and Gearing, Saw Gummers, Ratchet Drills, Sc. Orders for light and heavy forging and castings executed with dispatch. LOGAN & LIDGERWOOD, 13 13* 9 Gold st. N. Y.

TO CAR BUILDERS-For Sale, one new Upright Boring Mill for boring car wheels. Maker's price \$600, will be sold for \$300 cash. Address GEO. S. LIN-COLN & CO., Hartford, Ct. If

BOILER FLUES-All sizes and any length prompt-ly furnished by JAMES O. MORSE & CO., No. 79 John st., N. Y. 51 3mos

W ROUGHT-IRON PIPE_Plain, also galvanized inside and outside, sold at wholesale by JAM135 O. MORSE & CO., No. 79 John st., N. Y. 51 3mos

FORBES & BOND, Artists, 89 Nassau st, N.Y., Me-chanical and general Draughtsmen on wood, stone, & c.

Oil.: Oil.: Oil.:-For railroads, steamers, and for machinery and burning.-Pease's Improved Machine-ry and Burning Oil willsave fifty per cont, and will not sum. This oil possessesqualities vitally essential for lubri-fered to the public upon the mostreliable, thorough, and practical test. Our most skillful engineers and machinists pronounce it superior and cheaper than any other, and he only oil that is final cases reliable will not gum. The Scientific American, after several tests, pronounce it "superior toany other they have ever used for machin-ery." For sale only by the inventor and manufacturer. F. S. PEASE, Oil Main st., Buffalo, N. Y. And W. S. ROWLAND & CO., Agents for Chicago, III. N. B., -Reliable orders filled for any part of the United States and Europe. If

NORCROSS ROTARY PLANING MACHINE. The Supreme Court of the U.S., at the Term of 1853 The Supreme Court of the U.S., at the Term of 1853 and 1854, having decided that the patent granted to Nich-olas G. Norcross, of date Feb. 12, 1850, for a Rotary Pla-ning Machine for Planing Boards and Planks is not an infringement of the Woodworth Patent. Rights to use the N.G. Norcross's patented machine can be purchased on application to N.G. NORCROSS, Office for sale of rights at 27 State street, Boston, and Lowell, Mass, 45 6m*

NEW HAVEN MFG. CO.—Machinists' Tools, Iron Planers, Engine and Hand Lathes, Drills, Bolt Cut-ters, Gear Cutters, Chucks, &c., on hand and finishing. These Tools are of superior quality, and are for sale low for cash or approved paper. For cuts giving full descrip-tion and prices, address, "New Haven Manufacturing Co., New Haven, Conn. 1 tf

ARRISON'S 30 INCH GRAIN MILLS-La-test Patent. A supply constantly on hand. Price \$200. Address New Haven Manufacturing Co., New Haven, Conn. 1 tf

BOILER INCRUSTATIONS PREVENTED-A simple and cheap condenser manufactured b Wm. Burdon, 102 Front st., Brooklyn, will take every par-ticles of lime or salt out of the water, rendering it as pure as Croton, before entering the boiler. Persons in want of such machines will please state/ what the bore and stroke of the engines are, and what kind of water is to be used.

2

95