Scientific American.

TO CORRESPONDENTS

A. H., of N. Y.—The plant which you have sent us grows profusely here, but is not used for any purpose. How is it employed in dyeing the blue: what is the mordant for it?— We would like to try some experiments with it. The box wood you have sent is not equal to the Turkey for engravings. We are much obliged to you.

J. H., of Chio-We have never been able to get all theev-idence in the case of the KateKearney, and we do not think it has been published. We will be happy to try the article referred to by you; but there is no poisonous substance in good wheat flour.

C. P., of Iowa-We do not see how a re-action wheel can be made to give nearly double power, by the peculiar form of buckets which you describe. If the effect stated by you can be produced, we have no doubt but the Patent ⊕ffice will

J. B., of Texas-A fan for keeping flies from the table and for ventilation of apartments, is a well-known contrivance The battery will only deposit the pure metal. We cannot give directions for depositing alloys as we are not aware that this can be done.

H. S., of Ky.—We would not advise you to have the chain railway published until you can develope its importance,

J. P. H., of Va.-We do not recollect where the Soil of south is published.

John Crum, of Winchester, Va.-Wants a machine for

making shoe pegs.

J. W. P., of Ind.—Your ideas in regard to steam brakes are not new: the same thing has been long known.

J. H. Dearing, Tuscaloosa, Ala.—Desires to get informa-tion about the best machinery in use for excavating and grading railroads. He is interested in a road now in progress, and like a sensible man wishes to use the most approved ma chinery for carrying out the work.

A. B. C., of -parties requesting us to procure the premium awarded by the "Crystal Palace Association," for their respective in ventions. Now we must decline these requests, as we have no time to attend to them; If the Crystal Palace was not more than a half mile from our office we might be juduced to oblige our friends, but as the case is different, we must refuse all who ask of us like favors.

S. S., of N. Y.—In the course of our history of reaping and mowing machines we shall publish one similar to yours. It does not embrace, in our opinion, any patentable feature

J. S. S., of Md.—The engraving of your kiln is all ready and will soon appear. Please to bear in mind that we do not attend to job printing of any kind. We are often requested to have suitable circulars prepared after the engravings have appeared in our paper; this we cannot do, under any circumstances, as it is out of our line. The engraving, after publication, will be subject to your order.

I. S. M., of Fla.-Wehave never paid any attention to th 'fertilizer' named in your letter.

J. H., of Pa.-Extension ladders have been patented, and used as fire escapes. We have seen ingenious arrangements

H. G. B., of Mich.-Vour method of protecting horse from the heat of the sun, does not appear to have any pat entable features. A device somewhat similar is used by car men in this city, for the same purpose. We do not think yours presents difference sufficient to justify the application

A. J., of N. Y.-The Woodworth Patent Planing Machin will expire in 1856. It has not been extended beyond that date, and we think it will be some time before our National Congress can be sunk so low as to grant another extension.

J. H. C., of Pa.-Wishes to know if there is any compo sition of sand, soap stone, plaster of Paris, or any other ma terial that could be formed into a mold easily, to mold cast ings in the usual way, any number of times, without injury to the mold.

B. P., of Mo.-There is, in our opinion, no objection t your using a rotary cutter in planing, unless you employ pressure rollers in combination. The Woodworth folks set up a claim to pressure of every kind, when used in com bination with a rotary cutter. Their pretensions on this point are presumptuous, in our opinion, but this canno shield you from a suit, if they choose to bring one against

Y. A. C., of Mass.-Send a sketch and description of you water faucet, and we will examine it. Type setting machine have been invented, and patented; none are in use we be

W. L. G., of Va. - Black paint with some common varnish is good for blacking the figures in rules, &c.

W. R. G., of Ky.-We do notknow of any "mechanica device for adjusting rifle or other guns to the spot desired to be hit by the ball, except for cannons."

H. Mc C., of Pa.—Blanchard's patent for turning irregular

forms, is still in force and has several years yet to run.

G. W. F. of Chio.-Vour suggestions in regard to the alteration of bank bills are new, and we would advise you to correspond with the parties advertising for the improvement Many write to us under a misapprehension that we are the proper persons to correspond with, when such is not the case. We do not care to receive any more letters upon the subject as we have already had our share.

E. M., of Ind .- Your ideas of ballooning have been fully anticipated by those of Mr. Pennington, who claims to be the pioneer on this subject. We perceive nothing new or patentable in your magnetic engine, and do not think it can be made to operate with any degree of satisfaction.

E. F., of Vt.-You may be able to obtain a patent for the ink, but the substances used must be minutely described. We do not know of what the sand you speak of is composed.

Money received on account of Patent ●ffice busin the week ending Saturday, Sept. 9 :--

P. T., of Phil., \$30; W. H. E., of N. Y., \$35; A. M., of L. I., \$35; W. D. T., of L. I., \$30; T. M. C., of Me., \$25; G. W. S., of N. J., \$15; A. J. P., of Mass., \$12; R. D., of Ct., \$30; I. C. D., of N. Y., \$100; T. S. W., of N. J., \$30; S. & N., of Ct., \$30; E. L. H., of N. Y., \$25; B. & W., of Mich., \$10; W. G., of N. Y., \$30, G. & E. W., of N. Y., \$10; F. T. F., of Vt., \$25; D. W., of Mass., \$30; P. D., of N. Y., \$30; H. B., of Ct., \$25; H. D., of Ct., \$30; E. T. J., of N. Y., \$25; N. B., of N. Y., \$60; C. G. E., of N. Y., \$25; P. J. C., of Ct., \$30; R. M. S., of N. Y., \$35.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent office during the week ending Saturday, Sept. 9:-

T. M., of N. Y.; R. D., of Ct.; T. M. C., of Me.; T. M., of N. Y.; R. D., of Ct.; T. M. C., of Me.; A. J.
P., of Mass.; E. T. J., of N. Y.; H. W. P., of N. Y.; A.
M., of N. Y.; S. & N., of Ct.; E. L. H., of N. Y.; J. P.,
of Ky.; T. S. W., of N. J.; H. B., of Ct.; F. T. F., of
Vt.; A. E., of N. Y.; C. G. E., of N. Y.; N. B., of N. Y.;
P. J. C., of Ct.; R. M. S., of N. Y.

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American and Foreign Patent Agency.

Agency.

Important to inventor as the source of the Scientific Agency.

Important to inventor as the source of the Scientific American, continue to prepare specifications and drawings, and attend to procuping patients for new inventions in the United States, Great Britain, France, Belgium, Holland, Austria, Spain, etc., etc., We have constantly employed under our personal supervision a competent boar of Scientific Examiners, which enables us to despatch with great facility a very large amount of business. Inventors are reminded that all mater intrusted 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 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 gur country. Circulars of information will be sent free of postage to some substitution of our business receives the especial attention of one of the members of the firm, who is prepared to a dvise withinventors 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 and faithful 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.

The office of Messrs, Munn & Co.'s American and Foreign Patent Agency is at 128 Fulton Street, New York.

NEW HAVEN MANUFACTURING COMPANY
Machinists' Tools Iron planners of P NEW HAVEN MANUFACTURING COMPANY Machinists' Tools. Iron planers and kingine Lathes of all sizes. Hand Lathes, Goar Cutters, Drills. Bolt Cutters, Chucks, &c., on hand and being built by the quantity, which enables us to sell low. For cuts giving full description and prices, address. New Haven Manufacturing Co., New Haven, Com.

ARRISON'S GRAIN MILLS—Latest Patent-equal. A supply constantly on hand. Liberal Commis-sions paid to agents. For further information address New Maven Manufacturing Co., New Haven, Cons. 1t

PATENT DRIERS—Zinc Driers, Graining Colors Stove Polish, Gold Size, &c., it4 John street New York. QUARTERMAN & SON, Manufacturers.

CHEAPEST AND SEST—The New York Weekly Cents a year, (\$!) pays for 16 months,) three copies for \$20, or \$25 cegoies for \$15, and \$100 cash premiums is to be divided among those who send in the most subscribers divided among those who send in the most subscribers between Sept. 15th and \$60, 1355. Specimen copies gratis. Address, (post-paid.) MOSES S. BEACH, Sun Office. New York.

TAVE AND BAR EL MACHINERY—Hutchin-son's Patent. This machinery which received the highest award at the Crystal Palace, is now in early op-eration there. Staves, heading, &c., prepared by it are worth to the cooper 20 to 49 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. 1 tf

GIGLER S PATENT FISH HOOKS—I am now making may patent fish hooks illustrated in Sci. Am., vol. 9, page 32. It is the best article known for doing up the work, and I am prepared to fill all orders with prompt dispatch. Address HENRY SIGLER, 167 Church street, N.), ...yr T. L. JENNINGS, Agent.

Designed for the education of Architects and Civil Engineers, including Railway, Hydraulic, Topographical, and Mining Engineers. For copies of the Annual Register, giving full information respecting the Institute, apply to B. FRANKLIN GREEN, Director, etc., K. P. I., Troy, N. Y.

TO IRON FOUNDERS—Scotch and American Pig Iron. English Sheet Iron and Boiler Plates. Fire Bricks, Clay and Sand, and all kinds of Iron Founders' Facing Materials for sale by G. O. ROBERTSON, 135 Water street, (corner of Pine) New York.

ACHINISTS' TOOLS—The subscribers would respectfully call the attention of machinists and engineers to their Patent Improved Tool Restfor Engine Lathes, they are now prepared to receive orders for Engine Lathes with this improvement, and will spare no pains nor expense to make their machines a first rate article in every respect. Novelty Iron Works, Boston, Mass. W. W. NICHOLS & CO.

Lawrence Machine Shop. It is now driving the machinery in the Crystal Palace, and can be delivered the lat of Nov., 1854. Apply to Cordon McKay, Treasurer. office 31 Broad street, New York, 47 State street, Boston; J. C. Hoadly, Superinendent, Ohies in Lawrence, Mass. or David A. Clary, Selling Agent, Ohies at the Machinery Depot of the Lawrence Machine Shop. The Lawrence Machine Shop have now on hand Locomotives, Steam Engines, all kinds of Machinists Tools, large Lathes Engines, all kinds of Machinists' Tools, large Lathes (finished) for Locomotive Drivers and Planing Machines—that plane 3 feet square by 12 feet. Parker and Tur-bine Water Wheels, Wool Cards and Jacks, Shafting and Pulleys, &c., promp tly made to order. A superior article of Oak Tanned Sewed Leather Belting constantly on hand. Inquire as above.

THE MERIDEN MACHINE (X).—Successors to Oliver Snow & Co., West Meriden, Conn. Have on hand and make to order a great variety of Lathes, Planers, and other machinists tools of superior quality and finish. Cuts of these tools may be had on application as above, with full particulars. They also manufacture Farnam's Patent Lift and Force Pumps of all sizes. For omines, factories, railroad stations, &c. Having a large and extensive variety of patterns, the accumulation of over 20 years business, and extensive facilities for making light or heavy castings, are prepared to contract fer any kind of mill work, mining machinery, &c. New York Office and Sample Room, No. 15 Gold, cor. Platt st. 1 tf.

United States Patent Oppice.

Washington, August 21, 1854.

ON THE PETITION of Milton D. Whipple, of Somgranted to him on the 24th day of October. 1840, for an improvement in "machine for cleaning wool from burs and other foreign matter, and also for ginning cotton." for seven years from the expiration of said patent, which takes place on the 28th day of October. 1854.

It is ordered that the said petition be heard at the Patent Office, on the 23rd of October next, at 12 o'clock, M.; and all persons are notified to appear and show cause, if any they have, why said petition ought not to be granted.

Persons opposing the extension are required to file 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 must be taken and transmitted in accordance with the rules of the office, which will be furnished on application.

The testimony in the case will be closed on the 13th of Oct.: depositions, and other papers relied upon as testimony, must be filed in the office on or before the morning of that day; the arguments, if any, within ten days thereafter.

Greafter. Ordered, also, that this notice be published in the nion, Intelligencer, and Evening Star, Washington, D Union, Intelligencer, and Evening Star, Washington, D. C.; Evening Argus, Philadelphia, Pa.; Scientific American, New York, and Post, Boston, Massachusetts, once a week for three successive weeks previous to the 23rd day of Oct. next, the day of hearing.

CHÂRLES MASON,
P. S.—Editors of the above papers will please copy and send their bills to the Patent Office, with a paper containing this notice.

United States Patent Office.

Washington, July 25, 1854.

N THE PETITION of Robert. L. and Francis B. Stevens, of Hoboken, New Jersey, praying for the extension of a patent granted to them on the 25th day of January, 1841, for an improvement in "working the steam valves of steam engines when the steam is cut off and allowed to act expansively," for seven years from the expiration of said patent, which takes place on the 25th day of January, 1855:

It is ordered that the said petition be heard at the Patent Office, on Monday, the 1st of January next, at 12 o'clock. M.; and all persons are notified to appear and show cause, if any they have, why said petition ought not to be granted.

Persons opposing the extension are required to file 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 must be taken and transmitted in accordance with the rules of the office, which will be furnished on application.

The testimony in the case will be closed on the 22d of December; depositions and other papers relied on as testimony, must be in the office on or before the morning of that day, the arguments, if any, within ten days thereafter.

Ordered, also, that this notice be published in the Union, Intelligencer, and Evening Stev Washington 1.

thereafter.
Ordered, also, that this notice be published in the Union, Intelligencer, and Evening Star, Washington, D. C. Evening Argus, Philadelphia, Pa.: Scientific American, New York, and Post, Boston, Massachusetts, order a week for three successive weeks previous to the ist and January next, the day of hearing.

OMARLES MASON, Commissioner of Patient P. S.—Editors of the above papers will please conventional their bills to the Patent Office, with a paper containing this notice.

United States Patent Opping.

Washington, August 18, 18-1.

ON THE PETITION of Jordon L. Mett. of A tt.
et to him on the list day of December, 18-1. for an inprovement in "the mode of constructing a combin of caultion and furnace for the use of agriculturists a distinct, which takes place on the first day of Decemb. 18-1.

It is ordered that the said petition be heard at t. Patent Office on Monday, the 6th day of November ne. at 12 o'clock, M.; and all persons are notified to apper and show cause, if any they have, why said petition of the patent of the property of the said petition of the patent of the property of the patent of the property of the property of the patent of the property of the patent of the interpretation of the patent of the paten

AGIC LANTERNS AND DISSOLVING Views for Sunday Schools, Academies, and Public Exhibitions, with Scriptural, Astronomical, Temperance and other Paintings A priced and illustrated Catalogue of Lanterns and Slides sent by Mail free of charge.

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PORTHVILLE MACHINE WORKS—Manufactory of Machinists Tools, consisting of Engine Lathes, Power Planers, Hand Lathes, Engine Lathe for turning chair stuff, all of the most improved patterns and quality of workmanship. Worcester, Northville, Mass. August 1,154. TAFT& GLEASON.

NEW PATENT FLOUR AND GHAIN MILL—
Patented June 6th, 1854. The subscriber is finishing the following mills: 8 twenty inch, price \$100; 6 thirty inch, \$200; 3 three feet, \$300; 2 four feet, \$400, and will pay \$1,000 for any other mill as turable, simple, economical of power, which will grind as much from one dressing, which will heat the flour and meal as little, and is as easily kept in order. Cuts sent to pastpaid applications, and liberal commissions allowed to agents for cash orders. EDWARD HARRISON, New Haven, Conn., July 24th. sole owner of all interest in the patent right.

JOHN PARSHLEY. Manufacturer of machinists tools, No. 5 and 7 Howard street. New Haven, Othas for sale 1 locomotive lathe, which has not been used more than two months, all told, and is as good as new, its first cost was \$1250; having come into present hands with a large lot of other tools, it is now offered for the small sum of \$900 cash; weighs 9 tune, head boring of the arbor is 12 in. lateneter, swings 7 4:12 feet, has counter shaft and pullies. Cuts of the same can be had by addressing as above, post-paid.

OHN PARSHLEY, manufacturer of machinist's tools, No. 5 and 7 Howard street, New Haven, Ct., is now finishing a lot of iron planers to plane 5.12 feet long, 30 in. wide, and 26 in. high, having the down and angle feed in the cross head, the planers all of the best quality, and prices extremely low for the quality. Cuts with full particulars can be had by addressing as above nostnaid. above, post-paid.

ARGE POWER PLANER—Will plane 20 feet long, 3 feet 5 in, wide, and weighs over 6 tuns. Now ready for delivery, and will be sold lower by \$300 than the same quality of machine can be bought anywhere else. Warranted good. Call and see, or address, (post-paid) C. POTTER, Jr., Westerly, R. I. 51 3**

PATENT SASH FASTENER—The subscriber will sell rights to make and sell his improved Sash Stopper and Fastener as follows:—License for any town of not over 5,000 inhabitants, and one dozen fasteners with directions, \$5: for larger towns and cities or counties on liberal terms. Letters to be addressed (post-paid.) W. S. HADAWAY, Chiltonville, Mass. P.S.—See engravings of this invention in No. 51, Vol. 9, Soi. Am.

RVING'S PATENT SAFETY CRCULATING STEAM BOILER—For Stationary, Locomotive, and Marine Engines. These Boilers having been thoroughly tested by scientific experiment and practical use, are being rapidly introduced into every part of the United States. Their claims to superiority are fully supported by the united testimony of highly respectable parties, who have given them the most successful trials. The following are among the chief advantages of this Boiler: 1st, Great increase of heating surface, with diminution of bulk. 2nd, Economy of heal—a saving of more than 50 per cent. being effected over other boilers. 3rd, Economy of space, compactness, and strength of form 4th, Increased safety from explosion. 5th, Freedom from incrustation. Circulars obtained on application at the Company's Office. Boilers of any required power furnished on short notice. Rights negotiated for all parts of the United Staies, England, France, and Belgium.—All communications promptly attended to.

483m* Sec'y Irving S. Boiler Co., 347 Broadway, N. Y.

Secy Irving S. Boiler Co., 347 Broadway, N. Y.

LYCUCKY LOCOMOTIVE WORKS—Corner of Kenthicky and Treith streets, Louisville, Ky.—Time proprietors of the Kenthicky Locomotive Works would respectfully inform Railroad Companies and the public generally, that, having completed their establishment, they are now prepared to receive and execute or ders with fidelity and dispatch. They will contract for Locomotives, Passenger, Baggage, Freight, Gravel, and Hand Cars, of every style and pattern, as well as all kinds of Stock and Machinery required for railroads.—Particular attention will be paid to Repairing, for which they have every facility. They are also prepared to contract on Tavorable terms for building all kinds of Machine Tools, such as Turning Engines, Laths, Planers, Drills, Slotting, Splining, and Shaping Machines of every variety of pattern. Having also a large Foundry connected with the establishment, orders for casting are solicited, and will be filled with promptness. Car Wheels of any pattern can be furnished on short notice. Double and single plate and Spoke Wheels of all sizes constantly on hand. Communications or orders must be addressed to OLMSTED, TENNEYS & PECK, Louisville, Ky.

MECHANICAL ENGINEERING—CHARLES EHMAN & CO., Consulting Engineers and Designers,
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drawings and working plans for inventions and models,
to the construction of patent machines, etc., etc., Arrangements made, and plans furnished for putting up
and locating Engines, Boilers, Shattings, and all kinds of
machinery in buildings, etc., etc.

Beynold's DIRECT ACTION and Re-Action Water Wheel—This is one of the most simple, cheap, and efficient Iron Water Wheels now in use. For description, cuts, &c., apply to SAML, B. LEACH, Agent, & Beaver st., N. Y.

POR GREASING MACHINERY—For all purposes of lubrication, "Metallic Oil" has many recommendations. Its tendency to remain on a smooth surface of metal, instead of running off or evaporating, its property of resisting heat and keeping the bearings of machinery cool and its freeness from "gum" are important considerations with engineers and machinists. A fair trial will convince any unprejudiced person that its a very valuable substitute for sperm oil.

For sale in quantities to suit purchasers by YOUKNEY & CO., Sole Manufacturers of Cumberland Brothers' Patent "Metallic Oil," Elizabethport, N. J., office 67 Exchange Place, N. Y.

PEADING'S PATENT CORN SHELLER and Cleaner—canacity 200 bushels new hour Cleaner—capacity 200 bushels perhour. 9 first premiums awarded in the Fall of 1853. Patent Rights and Machines now for sale at the corner of 2nd Street and Pennsylvania Avenue, Washington, D. C. I challenge the world to Produce its equal. Address personally or by mail. WILLIAM READING. 43 13*

THE EUROPEAN MINING JOURNAL, Railway and Commercial Gazette. A worldly newspaper forming a countiest listory of the Commercial and Somi-entitle Progress of Mines and Railways and a carefully collated Syngpsis, with numerous Elustrations of all New Inventions and Disprovements in Mechanics and Civil Engineering, Office, 25 Phot Street, London.— Price \$61 Sper actuar.

NGINEERING—The undersigned is prepared to furnish specifications, estimates, plans in general or 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 Concal Packing, Faher's Water Gauge, Sewell's Salinometers, Dudgeon's Hydraulic Lifting Press, Roebling's Patent Wire Rope for hoisting and steering purposes, etc. CHARLES W. COPELAND, 1 tf Consulting Engineer, 64 Broadway.

B. ELY, Counsellor at Law, 52 Washington st., Boston, will give particular attention to Patent Cases. Refers to Messrs. Much & Co., Scientific Ameri-can.

THENIX IRON WORKS—GEO. S. LINCOLN & CO., Hartford, Com. Manufacturers of Machinists Tools. Are constantly making and have now on hand an assortment of Screw Cutting Engine Lathes, viz.:

1. bed 10 feetlong, swing 20 inches.
2. bed 14 feetlong, swing 20 inches.
3. bed 14 feetlong, swing 30 inches.
3. bed 161-2 feet teng, swing 46 inches, with improved bed, cast steel spindles, feed modific carried by a screw, toothed rack for moving tool rest by hand, improved gibb rest and tool stock, stationary and traveling backrest: also manufacturers of Lathes for turning Locomotive Driving Wheels, small Power Planers, Upright Drills, Power Punching Presses, &c. Designs of the tools with further descriptions, will be sent by addressing as above.

DATENT RIGHT FOR SALE—We are ready to dispose of the Patent Right, (or any part of it) of the best Stone Drilling Machine now in use, or we are prepared to furnish working machines at very reasonable prices, these machines will drill from one to seven inches in diameter, and 100 feet deep, and can be worked by Hand, Horse, or Steam Power, one machine performing the work of twenty-five men. For further particulars and circulars with cuts address JAS. T. WHITTEMORE, Agent American Manufacturing Co., 39 State street, Boston.

PALMER'S PATENT LEG—"The best appliance ever invented." Pamphlets containing the testimonials of the first American and European surgeons, and other information concerning this invention sent gratis to all who apply to PALMER & CO., Springfield, Mass.: or 376 Chesuut st., Philadelphia.

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 Woodworth Patent.

Rights to use N. G. Norcross's patented machine can be purchased on application to N. G. NORCROSS.

208 Broadway, New York.

The printed report of the case with the spin ien of the Court can be had of Mr. Norcross, at Lowell, or 27 State street, Boston.

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