Scientific American.

TO CORRESPONDENTS.

F. & P., of Mass.-We cannot spend the time to search our files for the information you want. If it is of any im portance to you, we advise you to examine carefully the back volumes of the Sci. Am. You can, without doubt, find them in Boston.

C. R. Barnes, of Hebron, Wis .- Wishes to procure a machine for turning axe handles and spokes, also a machine for sawing out barrel staves.

F. C. M., of Mass,-It is not new to brake up a train of cars by forcing down the brakes by the action of the bumpers when they come together. It has often been proposed to us. Without some very convenient shifting arrangement the train cannot be backed when such brakes are used.

J. F. L., of N. Y.-Your model has arrived, and our engravers are already at work on the cut, which will appear in the paper in about three weeks.

Fisher & Agnew. of Columbia, S. C., desire to obtain the address of the owners of Leavitt's Corn and Cob Mill, patented in 1855.

Wykoff & Bro., Ripon, Wisconsin, wish to correspond with a manufacturer of door plate frames intended for

do no harm to try this remedy, but you had better consult a farrier.

A. E. D., of Mo.-The magneto-electric machine has been applied to telegraphing, and also electro-plating, but it has not answered so well as the battery.

A. E. P., of N. Y.—You state that heat is an "imponderable body;" well, what is an imponderable body?

S. A. S., of Vt.—The paper for Bain's telegraph may be prepared for some hours before it is used, if it is prevent ed from evaporating the moisture. It is generally pre pared as wanted, with a solution of the prussiate of pot ash, and alittle salt and lime water.

B. W., of Miss.—Your requests to send you the Sci. Am and wait for our pay, and to publish gratuitously, "for the general benefit of our readers," your business card, which would be worth, at our rates, nearly \$4 each insertion, is as cool a picce of modesty as we have encountered lately. There is an air of sincerity about your letter that almost leads us to suppose you are candid in the matter. Still we hope you do not consider us quite so green as to suppose we could accommodate your wishes. We are not, you may depend upon it.

Isaac Simmons, of Baltimore, Md.—Wants the best machine in use for turning spokes. Also a machine for riv ing staves, and a machine for cutting down standing trees Who can meet Mr. Simmon's wants.

J. H., of N. J.—By addressing I. M. Singer & Co.

this city, you can get the information you want about Morey & Johnson's Rotary Sewing Machine. They hold this patent by assignment.

H. G. B., of Mich.—When did that notice appear in the Sci. Am. to which you refer? If it is a long time back it would be useless to recur to it again. It is too late.

A. C. C., of Tenn.—The best coal stove for heating, now in use in this city is named "Stanley's Patent." We have one of them in our establishment. By a perfect sys tem of ventilation, the cold air should be taken in some where near the roof of a room, and the warm air expelled near to or at the floor. This is Ruttan's system of heating and ventilation. This system could not be carried out in your building. The gravel wall of Mr. Fowler, we believe, stands the weather well; it is a cheap way of building houses, but we cannot say in answer to your letter, whether or not it is a " superior " mode.

C. A. H., of Pa.—The article referred to in your letter of the 18th is unknown to us.

J. W. S., of Ohio-Scott Russell's work on Steam will

give you information respecting steam-drying houses. It is a London book, but may be obtained from D. Appleton, & Co., this city.

L. W., of Ct.—Our ladies have tried your invention for

protecting the fore finger of the left hand from the point of the needle while sewing, and they do not speak of it in very flattering terms Think it would not be for your interest, or our own either, to publish an illustration of it T. W. K., of Miss,-You should make application to Mr

F., at St. Louis, as he is probably the owner of the right

L. C., of Va.—We think your piston packing is new, and that a patent might be secured on it. The valve mo tion is not patentable, it is but a modification of the tappet motion, which is the oldest contrivance for operating steam valves. The valves you refer to are both good,— The form represented of Murray's valve has been improved so as to be made to cut off the steam, and yet eave a free exhaust, this is done by properly regulating the widths of the parts, and of the space between them, and of the exhaust cavity in the valve.

N. N., of Ill.—We do not know the market value of

husks prepared for mattrasses, but if you will write to Messrs. Mellen, Banks, and Pomeroy, No. 372 Broadway, New York, they can supply you with the information you want. They are some distance from our office, and therefore we cannot undertake to attend to it for you.

T. E. K., of Ga.—If the sediment in your steam boiler is only mud, you can easily remove it by "blowing out." Place a cock at the bottom or lower side of your steam boiler, and when the steam is up, open it two or three times every day, and all the mud will be forced out. To remove the scale from your boiler, empty it, then put a fire under it, until the metal is heated, then draw the fire, and strike the metal with a mallet. This will crack off he scale. If you cannot do this conveniently throw a few pounds of sal-ammonia into the water, which, in all likelihood, will dissolve it. There is no other remedy but to enter the boiler by the man-hole, and remove the crust with mallet and chisel.

R M. Wallace, of Germanville, S.C.-Wishes to pure chase at wholesale, iron hubs for wagons, carriages, and buggies, also fellies, springs, clamps, etc. Who can supply him? Address him—not Munn & Co.

J. H. E. S., of Pa.—The best articles on the subject of 'Stame" we have ever seen are those published in Vol. 5, Scr. Am., but perhaps we are prejudiced unduly in their favor.

G. E., of Wis.—Your plan for a head rest adaptable to seats of railroad cars is not new. A model of the same thing has been in our office for three or four years.

P. R., of Mass.-In the very letter in which you make the inquiry you state where the books may be had. Some people get into such a habit of asking questions they make themselves ridiculous.

E. G., of Ohio-Agitation of milk kept at a proper temperature is all that is necessary to produce butter.

P. C., of Ill.—Hollow grate bars for allowing a curren

of water to pass through for protecting them from the action of the heat are used in Dimpfel's coal burning loco motive. Hollowbars are also illustrated in Vol. 3, Scr. $\mathbf{A}_{\mathbf{M}}$. The idea has frequently been suggested to us, $\mathbf{N}_{\mathbf{0}}$

J. L., of Ohio-Your letter will be noticed in a week or

Moneyreceived atthe Scientific American Office on account of Patent Office business for the week ending Saturday, Feb. 2, 1856 :-

R. G. P., of N. Y., \$30; H. N. DeG., of N. Y., \$27; S. H., of Ind., \$30; H. & A., of Mo., \$30; W.M., of N. Y., \$30; J. S. & Co., of N. Y., \$30; A. H. H., of N. Y., \$25; O. L. R., of N. H., \$15; J. A. W., of Iowa, \$30; M. P., of N. Y., \$55; W. & D., of N. Y., \$36; J. B. E., of N. Y., \$20; A., of Del., \$10; W. W. A., of N. Y., \$55; A. S., of N A. A., of Del., \$10; W. W. A., of N. Y., \$50; A. S., of N. Y., \$150; S. P. C., of N. Y., \$30; H. B., of V., \$25; B. & S., of Pa., \$30; J. F. M., of Conn., \$30; J. E., of Ga., \$30; E. D., of Mich., \$30; J. M., of Pa., \$45; C. E. & C. D. A., of N. J., \$30; J. G. McM., of N. Y., \$30; J. G. McM., of N. Y., \$30; A. P., of N. Y., \$25; G. H. W., of N. Y., \$25; H. H. R. E. J., of Ala.—A lotion composed of alcohol and potash lye applied to ring-bone in a horse, and kept on it with a cloth, is stated to have cured the discase V. T. of M. Y., \$25; G. H. W., of N. Y., \$25; H. H. T., of N. Y., \$25; G. H. W., of N. Y., \$25; H. H. T., of N. Y., \$25; G. H. W., of N. Y., \$25; H. H. T., of N. Y., \$25; G. H. W., of N. Y., \$25; H. H. T., of N. Y., \$25; M. M., of R. I., 30; J. D., of Ind., \$55; P. M., of Ill., \$30: H. W. A. of N. Y. S. H. T., of N. Y., \$25; H. W. A. of N. Y., \$25; H. H. T., of N. Y., \$25; H. W. A. of N. Y., \$25 N. Y., \$25.

the following initials have been forwarded to the Patent

Office during the week ending Saturday, Feb. 2:—
W. & D., of N. Y.; A. H. H., of N. Y.; H. N, DeG., of N. Y.; A. P., of N. Y.; J. E., of Ga; M. & B., of N. Y.; S. & L., of N. Y.; A. N., of Pa.; J. B. E., of N. Y.; J. H. of N. Y.; H. H. 'F., of Ill.; G. H. W., of N. Y.; D. F. S., of Ill. ; H. B. S., of Vt. ; B. & F., of N. Y.

Literary Notices.

THE BIBLIOTHECA SACRA—This profound theological review for this Quarter contains a great essay on "Science and the Bible," by Prof. Dana, of Yale College. It is a review of the work of Prof. Tayler Lewis, of Union College, N. Y., on the Biblical account of the Creation; the lash is laid on with no gentle hand. It endeavors to sustain the most general views of geologists regarding the days of creation mentioned in Genesis—that is interpreting them to mean great epochs of time. Published by F. Draper. Andover, Mass.

THE KNICKERBOCKER—The present number of "old Knick" is a capital one. It contains some good stories, poetry, and a fine account of a hunt in "John Brown's Tract," in the wilds of Northern New York, respecting which we once heard a witty orator make the remark that "no crow ever contemplated a flight over this region without first making a will." The editor's table is, as usual, rich in wittand humor. Published by S. Hueston, 348 Broadway.

PUTNAM'S MONTHLY—The leading article of this magazine for February is on "Washington in Boston," sixty six years ago. It is an interesting and graphic sketch of the visit of "the Fatherofhis Country" to Bostonin 1786. The dress and customs of the people of Boston and its vicinity are described with accuracy, and the great difference between those times and the present in New England are very great and striking. The other articles are well written. Published by Dix and Edwards, No. 320 Broadway.

Terms of Advertising. 4 lines, for each insertion, 12 " \$3

Advertisements exceeding 16 lines cannot be admitted neither can engravings be inserted in the advertising columns at any price,

All advertisements must be paid for before insert-

WM. BURDON'S STEAM ENGINE WORKS.

102 Front street, Brooklyn, N. Y.—Engines from 3 to 40 horse power constantly kept on hand, of the latest styles and patterns, with all the modern improvements Engines from 40 to 200 horse power made to order, high pressure or with condensers. Also portable engines with boilers, and engines attached with wheels for pile-driving and wood-sawing, circular saw mills, upright engines that take up a very small space for printers' and pumping engines, steam pumps of various sizes, rotary pumps and mining pumps; also quartzmills and stampers for copper and gold improved hoisting machinery for mines or stone quarries: also sugar machinery, sugar mills, sugar kettles and vacuum pans, saw mills, grist mills, marble mills, rice mills, screw and hydraulic presses, boilers, and castings of every description. The reputation that Wm. Burdon has sustained for the last 20 vears, as an engine builder, is a guarantee for his work. Miners and manufacturers will find it to their advantage to pattonize his establishment, as not less than one hundred finished engines are kept on hand. With the large lot of boilers, shafting, pulleys and dangers kept on hand, orders can be shipped the same day they are received. Also a large number of second hand engines of various sizes for sale. Second hand engines of various sizes for sale. Second hand engines of various his endities and perfect system and order carried on in this establishment, enables Mr. Burdon to sell lower than any other establishment in the country for the same material and labor. Advice given gratis, drawings and plans made at the shortest notice.

OW READY—NEW AND VALUABLE BOOK on Engineering—"Pocket Book for Railroad and Civil Engineers," containing new, exact, and concise methods for laying out railroad curves, switches, frog angles and crossings; the staking out of work, leveling; the calculation of cuttings and embankments, earthwork, &c., by OLIVER HYRNE, Civil, Milltary, and Mechanical Engineer.

gles and crossings; the staking out of work, revealing; the calculation of cuttings and embankments, earthwork, &c., by OLIVER BYRNE. Civil, Military, and Mechanical Engineer.

EXTRACT FROM THE PREVACE—"The plans and rules in this work will be found great economizers of time and labor; in this place I will only allude to, 1st, the laying out of railroad curves by ordinate tables of whole numbers. 2nd, how be drive side stakes exactly, without trial and error. 3rd, When the cross-sections of cuttings and embankments are irregular, a rule ingiven to find exactly the hight of equivalent level cross-sectional areas.—14th, a general earthwork table, without supposing the side slopes to meet under the center of the road. 5th the proper coning of wheels of railroad cars, and the true rise of the outer rails on curves. 6th, calculations of cuttings and embankments.

C. SHEPARD, & Co. Publisher. 15F Julion st. New York.

N. B.—Price \$1:50 and sent by mail free of postage.—The above book is got up in the most convenient style for engineers, being in tucks, and containing blank paper for drawings, with a drawing pencil attached.

INEN MACHINERY—JOHN R. McNALLY Champlain, N. Y. Agent for the sale of linen machinery of every description, new and second hand. Engineers and machinists tools, and linen yarns of every number and quality.

22 13*

TEAM ENGINE of 100 horse power for sale.—New and made by a celebrated maker.—Will be sold at a bargain for cash only. Apply to J. PECARE, 163 Hester street, New York City.

HERVA JONES, Inventor of Randall & Jones Patent Hand Planter, and proprietor of New York, Michigan, Wisconsin, Minnesota, and Northern Illinois, Superior to all. Machines and Rightsfor Sale. Agents wanted. Send for a circular. Rockton, Winnebago Co., Ill.

IMPORTANT TO INVENT-ORS.

THE UNDERSIGNED having had TEN years' practical experience in soliciting PATENTS in this and foreign countries, beg to give notice that they continue to offer their services to all who may desire to secure Patents at home or abroad.

Over three thouseand Letters Patent have been issued, whose papers were prepared at this Office, and on an average hyleen, or one-thirs 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, which renders us able to prepare applications on the shortest 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 examination.

give the most correct counsels to inventors in regam to the patentability of inventions placed before us for examination.

Private consultations respecting the patentability of inventions 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 improvement 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 patent through our establishment, are noticed, at the proper ins, in the Solentrica American. This paper is read by not less than 100,000 persons every week, and enjoys a very wide spread and substantial influence.

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.

American and Foreign Patent Attornies, 128 Fulton street, New York: 32 Essex Strand, London; 29 Boule.

American and Foreign Patent Attornies, 128 Fulton street, New York; 32 Essex Strand, London; 29 Boule-vard St. Martin, Paris; No. 3 Rue Theresienne, Brussels

AURINS UNIVERSAL PORTABLE GAS and Jan. 8, 1850. For factories, hotels, country houses, villages, &c. Warranted as more simple and economical than any other known apparatus. Cost of gas less than 1-4 of a cent per hour for each 5-foot burner. Can be man aged by a house servant, as the joints are never disturbed, either for operation or cleaning, and the construction of the apparatus renders explosion impossible. A gold medal was awarded at the late Fair of the American Institute, N. Y. For works or rights under the above patents, apply to H. C. HAWLEY & CO., Albany, N. Y. 22 4*

CIRCULAR SAW MILLS—of improved construction, lever and pinion set, with guide for saws, furnished ready for the belt, with 4 feet saw \$350, 41.2 feet saw \$450. 5 feet saw \$450. One man can cut easily 1000 feet inch pine boards per hour, or a 12 feet board in ten seconds. These mills make lumber at less than half the expense of the up-and-down saw. Steam Engines on iron frame, black finish, of the best quality, with pumps, heaters, fly wheel, crank shaft, pulley governor and governor valve, sufficient to drive the circular saw mill, \$450—Engines 30-horse power, \$700; 70-horse power, \$900; 100—horse power, \$200; 100—horse power, \$200; 100—horse power, \$400; 100—horse power, \$400—horse power, \$400; 100—horse power, \$400—horse power, \$400

CIENTIFIC WORKS—Published by D. Appleton & Co., 346 and 348 Broadway:—Appleton's Dictionary of Mechanics, Machines, Engine Work, and Enginering, 2 vols,8vo. \$12; Bourne's Catechism of the Steam Engine, Bourne's Treatise on the Screw Propeller, 4to. \$9. Gillespie's Treatise on Surveying, 8vo. \$2, Griffiths on Marine Architecture, \$10: Hencks' Field Book for Railroad Engineers, \$175; Holbyn's Dictionary of Scientific Terms, 12 mo., \$150; Knapen's Mechanics Assistant, \$1; Lyell's Principles of Geology, I vol. 8vo. \$225; Lyell's Manuel of Geology, 8vo. \$175; Overman's Metalurgy, 8vo. \$5; Templeton's Mechanics, Millwright, and Engineers Pocket Companion. \$1; Ure's Dictionary of Arts, Manufactures, and Mines, 2 vols, 8vo, new edition \$5. D. A. & Co., have on sale all the important English Engineering Works.

DOILERS FOR SALE—3 cylinder boilers, 44 inch.

es diameter, 30 feet long, with two 13 inch flues, each
with steam drums 36 inches diameter and 5 feet high,
and cross boilers 36 inches diameter and 12 feet long,
safety and check valves, all in complete working order.
Also for sale a set of "Van Sickle's Patent Salamander
grate bars," for furnace 5 feet by 10, new. Apply to
HECKER & BROTMER, 267, Cherry st., New York.
20 4*

CHENK MACHINERY DEPOT—No. 163 Greenwich street, New York, keeps always on hand Lathes, Planers, Drills, Steam Engines, Woodworth's Patent Planing Machines, Belting, &c., in great Variety. Tools fornished of any size, to order, and of the best quality.

20 6

TECHNICAL DICTIONARY—In the English, French, and German Languages; by Messrs. TOL-HAUSEN & GARDISSAL, Civil Engineers. Ready (first part.) French, English, 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 Artis 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 term, or tis equivalent, in the three great industrial languages.—Forsale at the Scientific American Office.

For sale at the SCIENTIFIO AMERICAN Office.

THRCULAR SAWS—We respectfully call the attention of manufacturers of lumber to the great improvements recently introduced in the manufacture of our circular Saws. Being sole proprietors of Southwell's pâtent for grinding saws, we are enabled to grind circular saws from six inches to six feet with the greatest accuracy and precision. The impossibility of grinding a saw without leaving it uneven in thickness has always been acknowledged by practical saw makers. This causes the saw to expand as soon as it becomes slightly heated in working. When this alses place the saw loses its stiffness, and will not cut in a direct line. We will warrant our saws to be free from these defects; they are made perfectly even in thickness, or gradually increase in thickness from the edge to the center, as may be desired. As there are not thick or thin places, the friction on the surface of the saw is uniform, consequently it will remain stiff and true, and will require less set and less power. Will saw smooth, save lumber, and will not be liable to become untrue. This is the oldest etablishment now in existence for the manufacture of circular saws in the United States, having been established in the year 1830. Orders received at our Warehouse, No. 48 Congress st., Boston. 12 3m*

WELCH & GRIFFTIMS.

PORTABLE STEAM ENGINES.—S. C. HILLS. No. 12 Platt st., N. Y., offers for sale these Engines with Boilers, Pumps, Heaters, etc., all complete, and very compact, from 2 to 10 horse power, suitable for printers, carpenters, farmers, planters, &c. A 2 1-2 horse can be seen in store, it occupies a space 5 by 3 feet, weighs 1500 lbs., price \$240; other sizes in proportion. 3 e3w

TNGINEERING.—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 vessel*, machinery, boilers, &ceneral Agent for Asprorft's Steam and Vacuum Gauges, Allen & Noyes' Metallic Self-adjusting Conical Packing, Faber's Water Guage, Sewell's Salinometers, Dudgeon's Hyd mulic Lifting Press, Roebling's Patent Wire Ropefor hoisting and steering purposes, Machinery Oil of the most approved kind, etc.

CHARLES W. COPELAND.

CHARLES W. COPELAND, Consulting Engineer, 64 Broadway, 43 eowtf

OCK DRILL—The American Rock Drill Co. in a vite attention to their superior machines, adapted for all kinds of rock work in quarries and mines and especially for artesian wells. They are simple in construction, powerful and accurate in operation, and can be run by hand, steam, or horse power. An engraving and full description appeared in No. 15 of the Scientific American. Apply to T. H. LEAVITT Agent and Treasurer of the A. R. D. Co., No. 1 Phænix Buldding, Boston, 173m*

TIO COTTON MANUFACTURERS.—VOGT & ZOLLIKOFER, 205Market st., Philadelphia, offer forsale at manufacturers prices, Warping Mill Hicks of 130 and 120 eyes. A liberal discount for cash will be allowed.

VAIL'S CELEBRATED PORTABLE STEAM
Engines and Saw Mills, Bogardus' Horsepowers,
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.

LOGAN & LIDGERWOOD,
9 Gold st., N. Y.

MPORTANT INVENTION—Patented August 14th, 1855. "Garratt's Metal" for Journal Boxes of all kinds, it is anti-friction, absorbs the oil, not liablle to break, it can be made cheaper than either brass or Babbitt metal, and after many long and severe tests, has been found to surpass all other metals ever used for the purpose. For the purchase of either State, county, or shop rights under this patent, apply to JOS. GARRATT, Senr., Madison, Indiana. 133m

-WOODWORTH'S PATENT
Planing, Tonguing and Grooving
Machines.—The subscriber is constantly manufacturing,
and has now for sale the best assortment of these unrivelled
machines to be found in the United States. Prices from
\$55 to \$1430. Rights for sale in all the unoccupied Towns
in New York and Northern Pennsylvania, JOHN GIBSON, Planing Mills, Albany, N. Y.

14 3m*

DISSOLUT ON.—The firm of Morse, Stansbury & agreement, by the retiring of the undersigned, who is no longer connected with any firm in the United States. In connection with Mr. John T. Pitman, (late clerk of the U.S. Courts of Providence, R. I.,) and under the name of Stansbury & Pitman he continues the business of procuring European Patents, and negotiating their sale.

CHAS. F. STANSBURY, 57 Grace Church St., 203*

London, Eng.

ACHINISTS' TOOLS.—Meriden Machine Co. The have on hand at their New York Office, 15 Gold street, a great variety of Machinists' Tools, Hand and Power' Punching Presses, Forcing Pumps, Machine Helling, &c., all of the best quality. Factory West Meriden, 17 13*

P. N. FITZGERALD, Counsellor at Law—late Principal Examiner in the U. S. Patent Office—has removed from Washington, D. C. to the city of New York, 271 Broadway, (corner of Chambers St.). As heretofore, his practice is confined to Patent Cases, which he will prosecute or defend, as counsel, before the Supreme and Circuit Courts of the United States, also before the Patent Office, or the Judges having jurisdiction of appeals therefrom.

OIL! OIL! OF 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 possesse qualities vitally essential for lubricating and burning, and found in no other oil. It is of fered 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 only oil 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 formachinery." For sale only by the inventor and manufacturer. F. S. PASE, 61 Main st., Buffalo, N.Y. N. B.—Reliable orders filled for any part of the United States and Europe.

CENTS A.YEAR—Or 16 months for \$1. THE subscribers at the following very low rates, payable in advance: -Ora copy, 5 months, 25 cts.; 6 months, 60 cts.; 1 year, 75 cts.; 16 months, \$21; 3 copies, 1 year, 52; 8 copies, \$5; 25 copies \$5; 25 copies \$5; 25 copies \$5; 25 copies \$6; 25 co

THE NEW YORK DAILY SUN—Is forwarded by the early mails to country subscribers at \$4 per annum, or \$1 per quarter, payable in advance. The postage under the present law is as follows; to any post office in the State of New York, 78 cents per year, payable quarterly in advance.

Out of New York State, but within the United States, \$1,56 per year, payable quarterly in advance.

4 Corner of Fulton and Nassau sts.

MPOR! ANT TO ENGINEERS AND MACHINISTS—NOTICE—Those wishing to obtain the genuine articles of Metallic Oil and Grease, should send their orders direct to the manufacturer, AUGSTUS YOCK. NEX. Office 67 Exchange Place, New York. No Agents

The Supreme Court of the U. S., at the Term of R83 and 1854, having decided that the patent granted to Nich olas 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 the N. G. Norcross's patented machine can be purchased on application in N. G. NORCROSS.

208 Broadway, New York.

Office for sale of rights at 208 Broadway, New York Boston, 27 State street, and Lowell, Mass, 19t

RAIN MILLS—EDWARD HARRISON, of New Haven, Conn., has on hand for sale, and is constantly manufacturing to order, a great variety of his approved Flour and Grain Mills, including Bolting Machinery, Elevators, complete with Mills ready for use. Orders adcressed as above to the patentee, who is the exclusive manufacturer, will be supplied with the latest improvements. Out sent to applications, and all mills warranted to give satisfaction.

DOWER PLANERS—Persons wanting Iron Planers of superior workmanship, and that always give satisfaction, are recommended to the New Haven Manufacturing Company, New Haven, Conn. 19 tf

NDREWS & JESUP—Commission Merchants
Cotton and Woolen Machinery, Steam Engines
Machinists' Tools, Belting, &c., Importers and Dealers in
Manufacturers' Articles; No. & Pine street, N. Y. 23 ly*

NEW HAVEN MFG. CO.—Machinists' Tools, Iron Planers, Engine and Hand Lathes, Drills, Bolt Cutters, 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 description and prices, address, "New Haven Manufacturing Co." New Haven, Conn. 19 tf

**ARRISON'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.19tf

HE EUROPEAN MINING JOURNAL, RAIL-way and Commercial Gazette. A weekly newspa. way and Commercial Gazette. A weekly newspaner, forming a complete history of the Commercial and Scientific Progress of Mines and Railways, and a carefully collated Synopsis, with numerous Illustrations, of all New Inventions and Improvements in Mechanics and Civil Engineering. Office 25 Fleet street, London. Price \$6.50 per annum.