Scientific American.

TO CORRESPONDENTS.

H C H of Pa -We do not understand what you mean "by the steam returning to some state of tension which existed before the engine moved."

W. A. E., of Vt .- The proper chemical name for the gum is "anime;" if we can obtain the proper recipe you shall have it.

T. R. W., of R. I.—The pressure of the atmosphere is allowed generally to be 15 lbs. on the square inchat the

level of the sea.

A. N., of Pa.—Your improvement in car wheels is new. we think. Why not give your name? It looks very much as though you had appropriated the fruit of an. other man's brains, and desired "darkness rather than We suppose, however, that you are ignorant of the rules of our office, or else you would not have ne

glected to sign your name to your letter.

T. P. S., of Mass.—If we had unqualifiedly endorsed the "flax patent "then we might admit of a criticism upon our views, but as the case stands we are not disposed to do so. The specification has never appeared in our columns, and the discussion would seem rather far fetched." Your views may be correct,—we do not know why they are not.

J. M. G., of Obio-The recipe you require is rather

long to send in an answer to a correspondent.
W. H. H., of N. Y.—Yours will appear next week. We are much obliged to you for the information.

W. H. P., of Fla.—The water will not back in a stream above the level of the water in the dam, but that level is always changed according to the quantity of water in the stream—that level must determine the question of back water-one easily settled.

R., of Rome-Yours will meet with attention nex A. W. A., of New York-Such plans as you propos

are now in operation on a number of boilers.

U. B. V., of Va.-Your corrugated propeller appears to be a good idea, and embraces the very principle of construction that nature has provided for fish.

J. M., of New York-We do not know of any benefit arising from printing bills of any tint previous to printing from the plate, that is not obtained now. To make ills water-proof would not be difficult.

L. E. T., of N. C.—The blue vitriol preparation of wood

is of no use for yellow or resinous pine, but it is for white pine: the cutter and jointer combined is very good, but with its practical workings we are not ac

J. H. B., of Ind .- A fan operated by clock-work, for ventilating bed rooms, is not a new device; in 1830 a patent was granted for such an apparatus to Commo-

vacuum.-the smallest space to which a body could be reduced, by the pressure of the united gravity of the

Money received on account of Patent Office business

for the week ending Saturday, May 13:— S. & H., of Mass., \$20: H. C. S., of Ohio, \$25: D. F. C. of N. Y., \$20; J. B. M., of Geo., \$25; R. M., of N. J., \$20; S. K., of Pa., \$20; W. H. H., of N. J., \$25; J. B., of N. Y., \$25; W. W., of N. Y., \$55; W. A. P., of Miss., \$72; E. A. H., of Ill., \$30; C. & B., of Ohio, \$30; J.G. M., of Pa., \$10; B. J., of Mass., \$30; F. B. S., of N. Y., \$55; E. & R., of N. Y., \$30; J. J., of Ohio, \$30; J. A.S.. of N. Y. \$250; J. M., of N. Y., \$50; J. T., of Mich., \$15; O. & L B. D., of Pa., \$55; J. R. M., of Ohio, \$57.

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

Office during the week ending Saturday, May 13:— H. C. S., of Ohio; W. A. P., of Miss.; S. & M., of Ct.; J. H.; of Vt.; J. T., of Mich.; J. F., of N. Y.; J. R. M., of Ohio: J. B. M., of Geo.; G. B., of N. Y.; G. P. G., of N. Y.; J. S., of N. C.; J. B. M., of N. Y.; C. E., of Mass.

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American and Foreign Patent Agency.

MPORTANT TO INVENTORS.—The undersigned having for several years been extensively engaged in procuring Letters Patent for new mechanical and chemical inventions, offer their services to inventors upon the most reasonable terms. All business entrusted to their charge is strictly confidential. Private consultations are held with inventors however, need not incur the expense of att nding in person, as the preliminaries can all be arranged by letter. Models can be sent with safety by express, or any other convenient medium. They should not be over 1 foot square in size, if possible. Having Agents located in the chief cities of Europe, our facilities for obtaining Foreign Patents are unaqualled. This branch of our business receives the especial attention of one of the members of the firm, who is prepared to advise with inventors and manufacturers at all times, relating to Foreign Patents.

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UCTION SALE—The Percussion Cap Machinery and Fixtures of Phipps & Titcomb, will be sold at Water Gure Hull. Three River Village, Palmer, Mass, June 7th, 1854. Any information respecting the machinery may be had by addressing PHIPPS & TITCOMB.

PROPOSALS will be received at the Engineer's Office, Huntington, Pa., until Monday, June 5, for the Superstructure of Bridges and Trestle Work of the Huntingdon and Broad Top Railroad. Plans and specifications will be exhibited at the Office, or the contractor may urnish his own plan with his bid.

363. S. W. MIFFLIN, C. Eng.

PECTACLES—And Surgical Operations Useless.

The Blind May Sec. It is gratifying for us to be able to announce to the public that the utility of our Patent Eye Cups is now no experiment. The wonderful, simost miraculous, effects produced by their use, are coming daily to our knowledge. Strange as it may seem, it is true that Spectacles may be dispensed with eatherly, and sight restored to its original power. These Cups are simple, yet philosophical. They are used withered power are simple, yet philosophical. They are used withered paining a full description of facts, &c., in regard to them will be furnished gratis to any person applying for the same. Frice of Cups, 35 per pair. J. BALL & CO., 120 Nassaust, New York.

ORUROSS' ROTARY PLANING MACHINE.
The Supreme Court of the U. S., at the Term of R53s and R55s, having decided that the patent granted to Nicholas G. Norcross, of date Feb. 12, 1856, 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. NOROROSS,

The printed Report of the case with the opinion of the Court can be had of Mr. Norcross.

VALUABLE MILL PROPERTY FOR SALE. Situated 3 miles north of Salem, Colum. Co.. Onlin a good section, for grinding two run of burrs run is steam and water; 3 small dwelling houses, good ochard, 12 acres of land. &c., all of which will be sold lo and on favorable terms. For further particulars a dress H. KIDD, Goshen Mills, Mahoning Co., Ohio.

To CANDY MANUFACTURERS—For sale or rent a beautiful three story brick dwelling and store house, together with a two story brick shop, used for the manufacture of candles. The whole is well built and finished, and the shop has furnaces all in working order. The store room is handsomely furnished with glass casing, shelving, counters, and two superb bow windows, and handsome gas light fixtures. Possession of the store room, cellar, and shop can be had immediately. Terms reasonable; price \$5000; rent \$300, or of store room, cellar and shop, \$200. Address, post paid, A. F. WARD, York, Pa.

POR SALE—By the Baltimore and Ohio Railroad Oo, 24 Orate Cars, adapted to railroad purposes which will be sold at a reasonable price. For further information apply to BA MUEL J. HAYES, M. of M., Baltimore and Ohio R. R. Co., or BRIDGES & BRO., 45 Falton St., New York.

RIFFITH'S PATENT VALVE COOKS for Steam Engines, dyeing establishments, or Chemical Works, They are warranted superior to any valve or cook in use. They are easily repaired without taking them from the pipes, they are made any size from 3.8 in. up to 7.1.3 in., either screwed or with flanges. Responsible agents for the sale of these valves wanted in New York. Boston, Pittsburg, and all the principal cities in the Union. The rights to manufacture in the different States for sale. Parties interested will address J. GRIFTITHS, City Tube Works and Brass Foundry, 15 North 7th street Philadelphia.

NULTON FOUNDRY AND MACHINE WORKS S. W. corner of Green and Morgan streets, Jersey City, N, J. The subscribers are prepared to contract for Sugar Mills and Mining Machinery of every description. Horizontal Steam Engines of various sizes constantly on hand. All orders executed with promptness-34 13*

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33 10* Consulting Engineer, 74 Broadway, N.Y.

TO YOUNG MEN.—Pleasant and Profitable Em ployment.—Young Men in every neighborhood may obtain healthful, pleasant, and profitable employment, by engaging in the sale of useful and popular Books, and canvassing for our valuable Journals. For terms and particulars, address, post-paid, POWLERS AND WELLS, No. 308 Broadway. New York.

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SEWING MACHINE—The Office and Warerooms of the Wheeler & Wilson Manufacturing Company, for the sale of their Slewing Machines, is removed to No. 343 Broadway, where the public are invited to call and examine them in practical operation. 3113*

WOODWORTH'S PATENT PLANlng, Tonguing, Grooving, Rabeting, and
Moulding macDine.—Ninety-nine hundredths of all the
planed lumber used in our large cities and towns continues to be dressed with Woodworth's Patent Machines.
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Mills, Albany, N. Y.

CLOCK'S FOR CHURCHES. COURT HOUSES. Ac.—Regulators for Astronomical purposes, Jewelers; also Time Pi ces for Session Rooms, Railroad Stations, Offices, &c., which for accuracy of time and durability have proved (it is believed) equal to any made in Europe or this country. Glass Dials for illumination, and other kinds furnished. Address SHERRY & BY. RAM. Oakland Works, Sag Harbor, N. Y. 10eowtf

RON FOUNDERS' MATERIALS, vis: Pulverized Sea Coal, Black Lead, Soapstone, Anthracite and Charcoal Facings. Also, best imported Fire Bricks, Fire Clay, Fire Sand, and Moulding Sand, for sale No. 135 Water street, corner of Pine.

ACHINERY.—S. C. HILLS, No. 12 Plattst., N. Y. dealer in Steam Engines, Bollers, Iron Planers Lathes, Universal Chucks, Drills; Kase's, Von Schmidt's and other Pumps; Johnson's Shingle Machines; Woodworth's, Daniel's, and Law's Planing Machines; Dick's Fresses, Punches, and Shears; Morticing and Tennoning Machines; Belting; Machinery Oil, Beal's Patent Cob and Corn Mills; Burr Mill and Grind stones; Lead and Iron Pipe, &c. Letters, to be notised, must be post-paid. 27tfeow

PASSAIC WORKS—Passaic street, Newark, NJ.—
Manufacture and have on hand, Steam Engines of
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32 4eow*

LUROPEAN PATENTS.—MESSRS. MUNN & CO. pay especial attention to the procuring of Patents in foreign countries, and are prepared to secure patents in all nations where Patent Laws exist. We have our own special agents in the chief European cities; this enables us to communicate directly with Patent Departments, and to save much time and expense to applicants.

Huncherdon and Broad Top Railroad. Plans and specifications will be exhibited at the Office or the contractor may urnish his own plan with his bid.

363 S. W. MIFFLIN, C. Eng.

A PRACTICAL PAPER MAKER, who has secured a license to use Maller a process of making Straw Paper, and who superintended its establishment at Manayunk wishes to connect himself with a manufacturer. Address "A. B.," Strange Bro., 21 Park Place, N. Y.

1*

DORTABLE STEAM ENGINES—The subscriber is now prepared to supply excellent Portable Engines, with Bothers, Pumps, Heaters, etc., all complete, and very compact as 2, 2, 12, 3, 4, 6, 8, and 10 horse-power, suitable for printers, capenters, farmers, planters, acc, they can be used wird wood, bituminous, or hard coal; a 212 horse engine can be seen in store, it seems to be seen in store, it is now prepared to supply excellent Portable Engines, with Bothers, Pupper to supply exc

United States Patent Office.
Washington. April 15, 1864.

On the Ptition of Fones McCarthy, of Putnam County, Florida, praying for the extension of a patent granted to him on the 3rd of July, 1840, for an improvement in the Cotton Gin, for seven years from the expiration of said patent, which takes place on the 3rd day of July, 1854,
It is ordered that the arid and the said and t

ard day of July, 1854,

It is ordered that the said petition be heard at the Patent Office on Monday, the 28th of June next, at 120 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 trausmitted in accordance with the rules of the office, which will be furnished on application.

United States Patentoffice.

Washington, April 18, 1854.

On the Petittion of Charles Spafferd, administrator of George Spafferd, late of Windham, Connecticut, praying for the extension of a patent granted to him on the 2nd day of September, 1849, for an improvement in "machines for boiling and washing rags for manufacturing paper," for seven years from the expiration of said patent, which takes place on the 2nd day of September, eighteen hundred and fifty-four. It is ordered that the said petition be heard at the Patent Office on Monday, the 18th of August 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 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 3d of August.

with the rules of the office, which will be turnisned on application.
The testimony in the case will be closed on the 3d of August: depositions, and other papers reliedjupon as testimony, must be filed 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 Cnion, Intelligencer, and Evening Star, Washington, D. C.; Evening Argus, Philadelphia, Pa.; Scientific American, New York; Daily Courier, Buffalo, N. Y., and Post, Boston, Massachusetts once a week for three successive weeks previous to the 13th day of Aug. next, the day of hearing.

S. T. SHUGERT,

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

ARRISON'S PATENT MIL —Received the highest premium at the World's Fair; 250 have been sold in two years. The stones are French burr; the frames and hoppers cast-iron, the spindles solid cast steel. They will work better for flouring, and on all kinds of grain and dry substances, and keep in repair longer than any other mill in the world. I have completed my newsteam mills for manufacturing and running them, and am now prepared to supply orders for all the sizes, from 20 inches to 4 feet diameter, including also a superior farm and Plantation Mills at a fair price. Agents wanted to sell them in all parts of the price, Agents wanted to sell them in all parts of the post-paid applications. EDWARD HARRISON, Sole manufacturer and proprietor of the patent, New Haven, Conn.

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Railroad and the enormous new steamers "Plyrouth
Rock," Western World," and "May Flower,"—and
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with dispatch and at the lowest rates; has trucks
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TAVE AND BARREL MACHINERY—HUTOH INSON'S PATENT.—This machinery, which received the highest award at the Orystal Palace, may be seen there in operation during the ensuing season. Outting, Jointing and Orosing Staves and Turning Heads. Staves prepared by this process are worth to the cooper from 20 to 40 per cent more than when finished in another way. Applicable alike to thick and thin staves. Apply to C. B. HUTCHINSON & O. Auburn, N. Y., or at the Orystal Palace.

RUPP'S BEST CAST STEEL—Suitable for Mint and Plater's Rollers, also of large size (73x18 inches diam.) for rolling iron, copper or brass. Pistons of Steam Engines, and Shafts for Steamboats, not exceeding six tuns weight in one piece. Also the celebrated Cast Steel Axles and Tire, made from a solid bar without welding. Agents, THOS. PROSEER & SON, 33tf

chine with entire change of Gear. The only successful grass cutter now known; warranted capable of cutting and spreading from ten to fifteen acres of any kind of grass, per day, in as good a manner as is done with a scythc. Orders filled at our establishment in Buffalo, NY., or at J. MAYHER & CO. 8, and R.L. ALLEN'S, Water street, N. Y.

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DORTABLE FORGES AND BELLOWS-(Queen's patent). The best forge in market for Blacksmiths work, Boiler Makers, Mining, Quarrying, Shipping, plantations, Contractors on Railroads and Public Werks. Oppersmiths, Gas Fitters, &c., Also an improved Portable Melting Furnace for Jewellers, Dentists, Chemists, &c., both of which are constructed with sliding doors to protect the fire from wind and rain when used outdoors, and for perfect safety and free escape of smoke when used indoors. They are compact for Shipping. Oirculars with particlars and prices will be forwarded upon application. Oast iron Columns, for building constantion and all kind of work promply executed. FREDERIGE P. FLAGLER, 29 10^s Sole Manufacturer, 210 Water street, N. Y.

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29 tf

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2188*

JOHN PAHSHLEY, No. 5 and 7 Howard st., New Haven, Ot., manufacturer of Machinists' Tools, and Steam Engines, has now finishing off 25 Engine Lathes, 6 feet shears, 4 feet between centers, 15 inches swing, and weighs about 1100 lbs. These Lathes have back and screw gear, jib rest, with screw feed, and the rest is so arranged that the tool can be adjusted to any point the work may require, without unfastening the tool, hence they possess all the good qualities of the jib and the weight lathe; they are of the best workmanship. Price of Lathe with countshaft and pulleys, \$155 cash. Guts, with full description of the lathe, can be had by addressing as above, post-paid. Also four 30 horse power vertical Steam Engines with two cylinders. Price of engine with pump and heater, \$800 cash. For particulars address as above.

B100 REWARD—To the Manufacturers of Bank Note Paper. The Executive Committee of the Association of Banks for the Suppression of Counterfeiting, hereby offer a reward of One Hundred Dollars for the best specimen, in the opinion of the Committee, of Bank Note Paper, of not less than five hundred sheet, which may be submitted to them on or before the lat day of January next. All paper submitted, except that selected by the Committee, to be returned to the persons submitting the same.

Boston, Mass., March 31, 1854.

31 15*

GREW CUTTING MACHINES. with P. W. Gates' Patent Dies—The subscribers keep constantly on hand three sizes of the above-named machines, to wit—No. I machine, 10 sets dies and taps from one-half to two inches, \$350 : No. 2, 8 sets dies and taps, one-half to one and a halfinches, \$350 : No. 3, 6 sets dies and taps, three-eighths to one inch, \$150. Cash on delivery at shop.

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WHITE STRAW PAPER—For Newspapers—A Mellier, the patentee, having established his process at Nixon & Xeinour's Mills, Mansyuck, where the paper for the Philadelphia Ledger has been made daily from straw since the 12th of April, is now ready to sell incenses and make arrangement stor establishing the process elsewhere. Apply to A. MELLIER & V. BEAUMONT, 74 Broadway, where specimens of half stuff, stuff and paper may be seen.

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BLANING, TONGLING, AND CHOOVING—BEARDSLEE'S PATENT.—Practical operation of these Machines throughout every portion of the United States, in working all kinds of word, has proved them to be superior to any sind all others. The work they produce cannot be equalled by the hand plane. They work from 100 to 200 feet, lineal measu e, per minute. One machine has planed over twenty millions of feet during the last two years, another more than twelve millions of feet Spruce deoring in ten wombs. Working models can be seen at the Crystal Palace, where further inferciation can be obtained, or of the patentee at Albary, N. Y. 2711

TATIONARY STEAM ENGINES—The subscriber is now prepared to furnish, with or without pumps, boilers, &c., Horizontal Engines on iron bed frames, good strong, substantial, plain fainshed engines that will do good service, say from 4 horse, \$215, to 30 horse, \$1.037; they have Judson's patent valves, and will be warranted to work well.

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NORRI WORKS, Norristown, Pa. The subscribers build and send to any part of the United States, Pumping, Hoisting, Stamping, and Portable Engines, and Mining Machinery of every description.

41 19.*

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