Scientific American.

TO CORRESPONDENTS

D. M., of Vt.-We cannot employ our time in writing out descriptions and preparing drawings of inventions of any particular class for the accommodation of any one individual. You are quite too presumptuous, and we fear do not properly appreciate the value of our time to us. If you will send us a model or description and drawing of your invention, we will examine it, and give you the best advice we can in the matter, but as for looking up all the information concerning similar inventions, and reporting to you in full upon the peculiar properties of each, is quite out of the question.

F. B. H., of Ind.—There are now in use arrangements for setting saw mill logs, as effective as the one represented. You must either furnish us with a model, or sketch and description, in order that we may be able to judge of its novelty.

T. M. C., of Me.—There is nothing in your rotary engine different from what has already been done. We have seen several sketches in the course of our business essentially like yours. Glad to hear from the filing machine. Should like to publish an engraving

C. A., of Pa.—There is a probable chance for you on the cleaner, therefore you had better send a model. You know what has been done in these inven-

R. D., of Pa.—The atmosphere does not assist the condensing engine, but the condensing operation reduces the resistance of the atmosphere from 15 to 2 pounds. The vacuum is equal to about 13 pounds The non-condensing engine has the full resistance

of 15 pounds of the atmosphere to contend against-If you look at the articles on Water Wheels, in our last volume, you will find the rule for calculating the power of yourfall of 6 feet.

R. G., of Florida.—Yours about the punching pr is very good.

Rev. R. H. Y., of Pa.—The "American Miller," is published by Henry C. Baird, of Philadelphia. have no copies for sale.

S. J. T., of Ohio.—We pass the bill matter, and proceed to state that we shall need sketches of your invention before we can decide upon them. Machines for the purpose are very numerous.

M. M. L., of La.—The only pumps we can recom mend to you, is a good pair of the common cylinder forcing pumps. A negro can take care of them quite well, and when they require packing, you can easily see how to order that to be done. G. B. Farnham, corner of Cliff and Fulton streets, in this city, makes them. You can write to him, as you will no doubt wish to enquire about the quantity and price of pipe, &c.

J. P. G., of Me. - Morse claims "a Recording Telegraph," and Judge Kane's decision in the Bain case goes to sustain it. The U.S. Superior Court would reverse his decision, no doubt, as it is radically wrong. You can use the hollow coil magnet, but we cannot answer you definitely, as we do not know your plan. The best works on electric engineering are Davis' pamphlet and an article in the American Chemical Dictionary. We will tell you more next weck.

E. C., of N. Y .- We have never known of three overshot wheels connected, and working together, as you propose, but we have been written to about the connection of two, their pulleys being united by belting. This was two or three years ago, since which we have heard no more about it. You are aware of a series of wheels being employed, like trapstairs, only each working separate. The question would be on the union of the three wheels as you propose. As we said before, we could not instite a claim which, in our opinion, would be successful with the Patent Office.

Money received on account of Patent Office busi for the week ending January 24.

H. N. H., of N. J., \$20; C. P. L., of Ga, \$20, S. & S., of Ct., \$30; W. B. C.: of N Y., \$30; D. H. T., of Vt., \$30; H. & R. F., of Pa, \$30; H. & B., of N. J., \$25; W. W. & Co., of Ct., \$50; S. T., of Pa., \$25; D. R., of N. Y., \$50.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Jan. 24:— C. S. B., of N. Y.; C. B., of O.; G. W., of Ct.; D. H. T., of Vt.; C. P. L., of Ga.; D. R., of N. Y.

New Arrangement.

Several of our readers have expressed a wish to subscribe for some literary journal in connection with the Scientific American, not feeling able to take both. We have entered into an arrangement with the publishers of the "American Model Couwith the publishers of the "American Model Corrier," of Philadelphia, and the "American Union," of Boston, which will enable us to furnish either of the two, with the Scientific American, for \$3 per annum. They are literary journals of the first order, and are widely circulated in all sections of the country.

NE DOUBLE ENGTHE of Six-horse power, section and have be size of cylinders, 4 inch bore and 12 inch stroke, and furnished with pump, regulator, and all attachments; the boiler is horizontal thubiar, 7 feet long, 3 1-2 inches to hold with pump, regulator, and all attachments; the boiler is horizontal thubiar, 7 feet long, 3 1-2 inches to hold with pump, regulator, and all attachments; the boiler is horizontal thubiar, 7 feet long, 3 1-2 inches to with the Scientific American Union," in diameter, and requires no brick to set it, the fire being made inside the boiler. The above engine will be sold for \$400 cash, delivered in New York.

all newspaper establishments, and are therefore not attended to. Never send.

Back Numbers and Volumes.

In reply to many interrogatories as to what back numbers and volumes of the Scientific American can be furnished, we make the following statement:

Of Volumes 1, 2 and 3-none.

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Of Volume 5, all but 4 numbers, price, in sheets, \$1, completesets, bound, \$2,75.

Of Volume 6, all; price in sheets, \$2; bound, \$2,75 Of Vol. 7, all back numbers at subscription price. An Important Paragraph.

Whenever our friends order numbers they have missed-we always send them if we have them on hand. We make this statement to save time and trouble, to which we are subjected in replying when the numbers called for cannot be supplied.

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Important 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 at their office from 9 A. M., until 4 P. M. Inventors, however, need not incur the expense of attending in person, as the preliminaries can all be arranged by letter. Models can be sent with safety by
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Having Agents located in the chief cities of Europe, our facilities for obtaining Foreign Patents are
unequalled. This branchof 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.

MUNN & CO., Scientific American Office,
128 Fulton street, New York.

MORTISING MACHINE.—Dear Sirs: I received the Portable Mortising Machine about 3 weeks ago; I have used it, and am very well pleased with it. It is the best plan of a machine of the kind I have ever seen.

Nashville, Tenn., 1851.

This machine is simple, durable, and effective, and is boxed and shipped for the low sum of \$20.

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3-000 REWARD...-TO MECHANICAL INbefore the many accidents occurring on Railroads, and
with a desire to promote the safety and comfort of
railway passengers, the undersigned proposes to offer
for competition the following premiums:
\$1,500 for the best invention for preventing loss
of life from collisions, and from the breakage of axles
and wheels.

and wheels.
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cars when in motion.
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\$300 for the best sleeping or night seat for railroad

\$300 for the best sleeping or night seat for raintowal cars.

The premining will be open for competition from this date until the next annual Fair of the American Institute, where they are expected to be on exhibition; and no invention already introduced to the public will be entitled to compete for the prizes. It must be understood that these inventions are to be such as can be adopted and put into general use, the inventors in all cases retaining their right to patents. The above will be left to the decision of competent judges, appointed by a Committee of the American Institute, to whom all applications on the subject must be addressed.

F. M. RAY.

New York, Jan. 1, 1852

TO MACHINISTS.---William B. Parsons, Manufacturer of the "Excelsior" Sand and Emery Paper, has on hand a very superior article of Corundum, suitable for emery purposes. This has been thoroughly tested at the Nashua Lock Works, Nashua, New Hampshire, and proved to be second only to emery, and perfectly free from dust and extra grains of grit. For sale in any quantity, and all numbers, at 187 Water st, N. Y. WILLIAM B. PARSONS. 204*

NOTICE-DISSOLUTION.—The firm of BLANCH-ARD & PARSONS is this day DISSOLVED by mutual consent. The business of the firm will be settled by Wm. B. Parsons.—New York, Jan. 12, 1852.
THOMAS LEGGET, JR.,

E. BLANCHARD,
WM. B. PARSONS.
The manufacture and sale of the Excelsior Sand and Emery Paper will be continued by WM. B. PARSONS, No. 187 Water st., New-York.

A STEAM ENGINE of 30 horse-power, for sale, with two boilers, furnace front, grate bars, copper pipe, heater, double-acting pump for cold and hot water; also Judson's patent flovernor Valve. and Noyes & Allan's Metallic Packing—all complete and ready to be put in operation immediately. For particulars address HENRY BACMEISTER, Steam Engine Builder, Schenectady, N. Y. 19 4*

ONE DOUBLE ENGINE of six-horse power, se-

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Tart WEEKLY SUN.—This large, interesting and excellent neutral Weekly newspaper,—the first dollar-a-year weekly paper ever printed—has now entered upon its sixteenth year of publication. Its contents embrace the very latest news from all parts of the United States and the world, received by Telograph, from Correspondents and by Steamers, also Shipping Intelligence. Monetary Affairs, Prices, Current, Agriculture, Reports of the various American Cattle markets, summaries of general news, interesting selections of Light Literature, Mechanics. Single subscriptions •NE DOLLAR A-YEAR.

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ty, and State, plainly, and direct to 19tf BEACH BROTHERS, New York City.

CLOCKS FOR CHURCHES, PUBLIC BUILDINGS, RAILROAD STATIONS, &c., and REGULATORS FOR JEWELLERS.—The undersigned having succeeded in counteracting effectually the influence of the changes of the temperature upon the pendulum, and introduced other important improvements in the construction of clocks, are prepared to furnish an article, superior in every respect (the highest grade warranted to vary less than two minutes in a year) to any made in the United States. Ample opportunity will be afforded to test their qualities. Glass (illuminated) dials of the most beautiful description furnished. Address SHERRY & BYRAM, Oakland Works, Sag Harbor, Long Island, N. Y.

"At the Oakland Works of Sherry & Byram there are made some of the finest clocks in the world."—IScientific American.

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A. B. WILSON'S SEWING MACHINE, justly allowed to be the cheapest and best now in use, patented November 12, 1850; can be seen on exhibition at 195 and 197 Broadway (formerly the Franklin House, room 23, third floor), New York. Rights for territory or machines can behad by applying to 19 4*

WM. S. LOVELL, Agent. B. WILSON'S SEWING MACHINE, justly

PILLINGS PATENT BAND WRENCH, for Wagons and Carriages.—This article is fully described and illustrated by engravings in No. 7, Vol. 7, of the Scientific American. The Patent Band Wrench applies to wagons and carriages where the common or subtance and its sed. They are perfectly tight and prevent all dust and dirt from reaching the axle. The wheel is taken off by means of a small pocket key. A Silver Medal was awarded this article by the American Institute at their late Fair in this city. The Bands are manufactured by the Patent Band Wrench Co., located at Claremont, N. H. Smith Van Horn & Co. are the agents for this city. Orders addressed to them, as above, will meet with prompt attention.

A. M. BILLINGS, 12th General Agent for the Co. city. Orders addressed to thom, with prompt attention.

A. M. BILLINGS, General Agent for the Co.

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are offered as new and superior articles, being manufactured by an improved process; the paper is made from the best Manilla hemp, and consequently is very, strong and lasting; the grit is of the sharpest; and most enduring kind, and is firmly attached to the paper with a remarkable evenness of surface; their freeness from ridges, stripes, and other imperfections, recommend them to the notice of consumers. These papers have been used by many of our first mechanics, and are pronounced superior to all others. Every sheet is stamped WM. B. PARSONS, and warranted. Samples furnished at the office, No. 187 Water street, New York. WM. B. PARSONS, 14 6m*

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This Die cuts Screws of any size, V or square thread, by once passing over the Iron. Also, Lead Screws for Lathes, Hoisting Screws, &c. All orders for Dies and Taps, with or without machines, will meet with prompt attention by addressing P. W. Gates, or Gates & McKnight, Chicago; Marshall, Bement & Colby, Philadelphia; Woodburn, Light & Co., Worcester, Mass. References—All the principal machine shops in New York, Philadelphia, and Boston. 136m*

A birtondac American Cast Steel.—This steel has recently been greatly improved in uniformity, soundness, strength, and toughness. It is purely American, and will be sold as low as the imported; this improved quality is warranted superior to any other in market. Friends of home industry are requested to try this new and uniform steel.

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19 3* SAML B. SCHENCK, 64 Cortland st. N.Y.

VENTILATION.—Mr. Ruttan, of Coburg, Canada, is desirous of an opportunity to direct the creation (for ventilation) of a good dwelling or school house in the city of New York. For particular sinquire at the Scientific American Office. 15 10*

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Farmington, Ct., 1851.

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with back and screw gearing, with all the fixtures;
one 5 ft. power planer; 12 drill presses, 4 bolt cutting
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lathes, 21 in. swing; 15 do. not geared; 8 do. 17 in.
swing on shears 5 1-2 feet; 25 ditto with and without
shears, 13 in. swing; counter shafts, all hung if wanted suitable to the lathes. Scroll chucks on hand; also index plates for gear cutting. Cuts of the above
can be had by addressing as above, post-paid. 9tf

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Boards and Plank.—This recently patented machine
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N. Y; where it can be seen. It produces work superior to any mode of planing before known. The
number of plank or boards fed into it is the only
limit to the amount it will plane. For rights to this
machine apply to the patentee at the abovenanted
foundry—or at his residence No. 764 Broadway; Albany. GEO. W. BEARDSLEE.

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WATTS & BELCHER, Manufacturers of Steam Engines. Lathes. Planing Machine VV Engines, Lathes, Planing Machines, Power Presses, and Mechanics' Tools of all descriptions. Orders respectfully solicited and punctually attended to. Washington Factory, Newark, N. J. 7 20*

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WOODWORTH'S PLANING MACHINE—For sale, the right to use this justly celebrated labor-saving machine in the following States, viz., Pennsylvania west of the Allegheny Mountains, Virginia west of the Blue Ridge, Ohio, Indiana, Kentucky, Tennessee, Wisconsin, Iowa, Missouri, Arkansas, Texas, Louisiana, Florida, Alabama, and Mississippi. For particulars apply to the Proprietor, ELISHA BLOOMER, 208 Broadway. 17 12*

WOOD'S IMPROVED SHINGLE MACHINE W —Patented January 8th 1850, is withoutdoubt the most valuable improvement ever made in this branch of labor-saving machinery. It has been thoroughly tested upon all kinds of timber and so great was the favor with which this machine was held at the last Fair of the American Institute that an unboughtpremium was awarded to it in preference to any other on exhibition. Persons wishing for rights can address (post-paid) JAMES D. JOHNSON, New Haven, Ct.; or WM. WOOD, Westport; Ct., All letters will be promptly attended to. 37tf

LPONARD'S MACHINERY DEPOT, 109
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A. B. ELY, Counsellor at Law, 46 Washington As st., Boston, will give particular attention to Patent Cases. Refers to Munn & Co., Scientific American.