

RE-ISSUE.

S. S. Gray and S. A. Woods (assignees of S. S. Gray), of Boston, Mass., for an Improved Machine for Planing Lumber "out of Wind." Patented Aug. 22, 1854:

We claim, first, The peculiar construction of cutter head described, the cutterhead itself being made use of to turn and break the shaving in the manner of a double iron plane, and being, furthermore, made concave, for the purpose of facilitating this operation.

Second, The clamp, as described, for the purpose of dogging the lumber to the bed of the machine; the body of the clamp being pivoted at d, and forced up by the screw, F, or its equivalent; the dog, h, being adjustable herein in the manner and for the purpose set forth.

Third, The described method of securing the dog, M, to the bed of the machine, by means of the teeth or cogs, I, and the mortises in the side pieces, N, for the purpose set forth.

Fourth, I claim the bar, D, or its equivalent, in combination with a rotary cutter head, and traveling bed, I, provided with suitable dogs, for planing straight and "out of wind," substantially as set forth.

EXTENSION.

S. F. B. Morse, of Poughkeepsie, N. Y., for an Improvement in Electro-magnetic Telegraphs. Patented April 11, 1846:

I claim the employment, in a main telegraph circuit, of a device or contrivance called the "receiving magnet," in combination with a short local independent circuit or circuits, each having a register and a register-magnet, or other magnetic contrivances for registering and ascertaining such a relation to the register-magnet or other magnetic contrivances for registering, and to the length of circuit of telegraph line, as will enable me to obtain with the aid of a main galvanic battery and circuit, and the intervention of a local battery and local circuit, such motion or power for registering as could not be obtained otherwise without the use of a much larger galvanic battery, if at all.

Second, I also claim, as my invention, the combination of the apparatus called the "self-stopping apparatus," connected with the clock-work of the register, for setting said register in action, and stopping it with the pen lever, F, as described.

Third, I also claim, as my invention, the combination of the point or points of the pen and pen lever, or its equivalent, with the grooved roller, or other equivalent device, over which the paper or other material suitable for marking upon, may be made to pass, for the purpose of receiving the impression of the characters, by which means I am enabled to mark or print signs or signals, upon paper or other fabric, by indentation, thus dispensing with the use of coloring matter for marking, as specified in my Letters Patent of Jan. 15, 1846.

William Wheeler, of New Britain, Conn. (formerly of West Poughkeepsie, N. Y.), for an Improvement in Curry-combs. Patented April 25, 1846:

I claim the so combining of the trough-like bars which constitute the comb teeth, with the other parts, in the manner set forth, as to constitute a curry-comb with an open back. I do not claim the trough-like combs or the hollow back, individually, but only in their combination, as herein fully made known.

NOTE.—THIRTY of the patents reported in the above official list were secured through this office. Last week FORTY-SIX of the number issued were obtained through the same source; and on the second week previous, FORTY-ONE, making a total of ONE HUNDRED AND SEVENTEEN Letters Patents issued to the clients of MUNN & Co. in three weeks.

Notes & Queries.

T. J. K., of Va.—You say that if a stone is dropped from a point as high as one can reach in a railroad car, it will fall on that place in the floor over which it is held, notwithstanding that the car may have moved some distance while the stone was falling; and you ask for an explanation. A universal property or law of matter is inertia, by which all bodies at rest are disposed to remain at rest, and all bodies in motion are disposed to continue in motion in the same straight line, unless some force acts upon them to change the state of rest or to change the direction or velocity of the motion. The stone moving along with the car continues this motion simply because there is nothing to prevent it from doing so. In regard to the table, we think it was raised by the involuntary and unconscious contraction of your own muscles and those of your associate, while you supposed that you were holding it down.

B. B. H., of Mass.—The letter of A. J. H. has gone to the paper-makers, and we do not remember his full name.

C. C., of Mass.—Take a solution of nitro-muriate of gold (gold dissolved in a mixture of aquafortis and muriatic acid) and add to a gill of it a pint of ether or alcohol, then immerse your copper chain in it for about 15 minutes, when it will be coated with a film of gold. The copper must be perfectly clean and free from oxyd, grease or dirt, or it will not take on the gold.

J. G., of Ind.—Our Philadelphia correspondent's idea of saving steam by compression was this:—When all the steam is exhausted from the cylinder of a steam engine, as the steam flows in from the boiler it must fill the space between the induction valve and the piston head with steam which does no work, thus wasting it. Now, if this is filled by steam compressed from the previous stroke to a density corresponding with that in the boiler, when the steam first begins to enter the cylinder, it will begin to exert its full power on the piston, and the compressed steam will exert a force in expanding equal to that required to compress it.

F. G. D., of N. Y.—Your assignment, to hold good against a subsequent purchaser, should be recorded in the Patent Office within three months from the date of execution. An assignment holds good against the seller for any length of time, whether recorded or not; but if he should sell the same interest to another person, and the second purchaser should get his assignment on record at the Patent Office, the first purchaser would be deprived of his legal rights under his assignment, and his only remedy would be to recover damages against the person from whom he purchased for fraud, in selling the same property to another which he had conveyed to him.

E. T. Q., of N. H.—In regard to planets falling together, the several principles which you cite are undoubtedly correct, and they would settle the point as you suppose, were the earth held by some power stationary. But, as in each case supposed, the earth falls as well as the pebble or the sun, as the power drawing the two bodies together exerts the same force on each, and as the inertia to be overcome is proportioned to the mass, is it not plain that the greater motion—in other words, the greater velocity—must be imparted to the smaller body.

M. S., of S. C.—We advise you to employ sand for the bedding of your horses instead of straw. We believe sand to be a better article for the preservation of the hoofs of horses.

E. G. W., of Mass.—You will find a description of the method of making liquid quartz and dental paste for teeth in another column.

J. M., of Cal.—We have never seen Liebig's "goldometer," and there is no instrument known to us for testing the purity of gold. The only sure way of doing this is by assaying it.

C. B., of Ohio.—You can use a cast iron mold for casting iron in, if you smoke the inside, but wrought iron forms the best mold for such castings.

C. & I., of N. Y.—If you had detailed experiments with the soluble glass, they would have been valuable as new information; but the same information which you communicate was published on page 70, Vol. XIV. (old series), of the SCIENTIFIC AMERICAN.

W. D. F., of Texas.—If you wish to obtain some seeds from the Patent Office, write to Hon. Thomas G. Clemson, Washington, D. C.

M. A., of Maine.—A model of the size you specify would be received at the Patent Office. You can send it to us with the patent fee by express, and we will proceed with the case at once.

C. D. P., of Conn.—In Vol. I. (old series) of the SCIENTIFIC AMERICAN—fourteen years ago—the illustration of a traction engine was published. The invention, you perceive, is not so recent as you imagine.

G. C., of Oxford.—We do not know of any machine capable of dressing the fingers commonly used in grain cradles. It is all done by hand, and is a tedious and laborious work.

D. B. W., of L. I.—A strip of copper and a strip of zinc, united together by a copper wire, form a simple galvanic battery, when properly placed in a decomposing solution.

W. R. S., of Pa.—Your battery, which has an outer zinc cell, containing sulphuric acid, and an inner porous cup containing nitric acid, in which is placed the negative strip of platinum, is called Groves', after its inventor, Professor Groves, of London. Silver plated articles, by the galvanic process, are rendered bright by rubbing their surfaces with a common burnishing tool.

J. H. A., of Mich.—A durable mucilage is made of roasted starch. Oil of cloves has a preservative power in any of the ordinary kinds of mucilage.

AQUA REGIA, of N. Y.—We have seen gold 24 carats fine.

L. W. R. B., of S. C.—Asphaltum does make a solid and durable cement for brick walls in damp places. It is extensively used for that purpose in this city. You can get it of Reynolds, Devoe & Pratt, No. 106 Fulton-street, this city. They have two qualities—one at seven cents and the other at four cents per pound.

W. J. L., of N. Y.—If you have any works on astronomy which assert that the sun completes the circle of the ecliptic in a tropical year, they are certainly in error. This revolution measures a sidereal year. You will find on page 300 of the present volume of the SCIENTIFIC AMERICAN, directions for constructing a very simple apparatus which will make this matter all plain to you.

C. C. P., of Ohio.—You can give any depth of black walnut stain to wood by using decoctions of logwood of different degrees of strength. The finishing of furniture in the best style depends upon the use of "elbow grease"—good rubbing and polishing after varnishing.

S. S., of Va.—There is no work published in this country containing colored plates for painters and others, illustrating the different colors and shades for house-painting.

A. G., of Zornhoff.—We have no American work that would be altogether instructive to you on sawmills. The back volumes of the SCIENTIFIC AMERICAN contain more useful information on circular and other sawmills than any work extant.

F. G., of N. Y.—Patents are granted on trade-marks as well as on other ornamental designs. The government fee for a design patent is \$15. The specifications for such patents are prepared at the office of this paper.

W. R., of Pa.—Articles that are silver-plated by the electrolytic process have a dull, frosted surface, which is rendered bright afterwards by rubbing the surface with a common burnishing tool, slightly moistened with water.

R. F. W., of C. W.—Practically, we have no doubt that a piston rod is at rest for a brief space of time on the dead point, though, if the machinery were absolutely perfect, it would not be. Some mechanics say it would be at rest for an "infinitely short space of time," but that is a phrase which has no meaning. Time may be infinitely long, as in fact it is, but it cannot be infinitely short.

D. J. T., of Miss.—Some plaster-of-paris mixed with lac varnish will make a quick-drying and water-proof cement for leather, but it will not adhere long. No very adhesive cement, with which we are acquainted, will dry immediately after it is put on. India-rubber dissolved in naphtha, and made into a proper consistency with Paris white, may suit your purpose. Let us hear from you regarding the pegging machine—how it operates, and how much work it can do.

W. B., of Ohio, asks as follows:—"Suppose A owns the patent for a certain drain plow, and B gets a machine that infringes A's patent, and C employs B to cut some drains for him, and pays B a certain price per rod. Can A hold C liable for damages, or must he look to B alone for damages?" Answer.—A must look to B, alone, for damages.

S. A., of Va.—Glycerine is sold in all the druggists' stores in this city, but most of it comes from London. There is one manufactory in Philadelphia, where a very pure article is made. At retail, very high prices are charged. We have paid 50 cents for a pint of it.

H. K., of Minn.—The stone which you send us is agate. Some agates of a fine quality are ranked among the precious stones, but this specimen is simply colored quartz and is of no value whatever. We shall, however, keep it for a while, subject to your order.

M. L. C., of Conn.—To make vinegar from alcohol, you must use spongy platinum, not the clear metal. Place the platinum in a glass jar, and introduce the alcohol in drops, so as to fall on a saucer containing the platinum, when slow combustion will soon take place, and the vapor which condenses on the glass will be pure acetic acid. The alcohol should be heated to 90° Fah. Great quantities of acetic acid used to be manufactured in this manner in Germany.

J. T., of Ill.—You can make copal varnish quick drying if you use litharge, sugar of lead or sulphate of zinc in the boiled oil which you employ with the gum copal. Unless your varnish is laid on in several coats, and each thoroughly dried, it will not take a good polish. You can polish any kind of wood highly, without any varnish at all, by rubbing the surface with a smooth piece of cork and some oil. Gum shell-lac, dissolved in alcohol, makes a very hard varnish, but it cracks when it becomes old.

C. C. P., of Ohio.—The metal which you send us is iron. If you found it in a little yellow cube it was the bi-sulphuret of iron; that is, a combination of sulphur and iron in the proportion of 28 ounces of iron to 32 ounces of sulphur (Fe S₂).

W. H. R., of N. Y.—We think that a water tank made in the usual way with bricks, and lined with cement, will answer for containing hot water quite well, if it is well made. The water should be heated in a separate vessel; and when the cement is new, it will make the hot water rather hard for washing purposes.

J. E. S., of N. Y.—It is the oxyd of zinc which is employed for painting. If you give two coats of white lead, then the third and last of white zinc on the outside, you will have a very durable and beautifully painted cottage. We are of opinion that the zinc is not so durable for the prime coating as white lead.

W. A., of N. J.—Plaster-of-paris made into a paste, with a weak solution of alum and some marble dust added, is a good cement for marble blocks, &c. A solution of glue, marble dust and plaster-of-paris, made into a cement, is employed for making composition marble ornaments.

Money Received

At the Scientific American Office on account of Patent Office business, for the week ending Saturday, April 21, 1860:—

E. P., of N. Y., \$30; J. R. I., of N. Y., \$55; D. F., of Pa., \$10; D. N., of N. Y., \$30; A. D., of N. J., \$30; G. P. McC., of Pa., \$25; D. C. J., of N. Y., \$25; T. & S., of Ill., \$30; H. M. J., of Conn., \$30; J. F., of N. Y., \$30; J. S., of Wis., \$25; J. H. D., of Ky., \$30; H. P., of N. J., \$25; C. A. H., of Mich., \$30; D. G. P., of N. J., \$20; J. C., of N. Y., \$38; J. C., of Mass., \$25; J. B. McC., of Iowa, \$25; N. M., of Ohio, \$30; J. I., of Pa., \$50; H. M., of N. Y., \$30; P. L. W., of Pa., \$30; J. P. A., of Ga., \$30; H. G., of Mass., \$25; J. S., of N. Y., \$100; D. G., of Ill., \$25; J. G., of La., \$100; T. W., of R. I., \$13; S. J. S., of N. Y., \$45; W. F., of Mass., \$60; J. G. W., of Ga., \$30; E. & R., of Ill., \$20; H. J. C., of Mass., \$250; W. McA., of Mich., \$25; G. H. K., of Pa., \$30; G. F., of Ill., \$25; A. K., of Ill., \$25; W. B., of Vt., \$30; T. H., of N. Y., \$30; G. D., of Ill., \$25; R. H. M., of N. Y., \$100; H. J. I., of Ill., \$25; J. D., of N. Y., \$30; G. W., of Pa., \$25; G. C., of Ill., \$25; J. E. M., of N. Y., \$55; D. C. J., of L. I., \$30; A. P. P., of Conn., \$181; H. M. W., of Conn., \$25; F. & P., of Ind., \$25; H. W., of N. Y., \$30; J. C. P., of Maine, \$20; R. & S., of Ala., \$25; T. H. B., of Mo., \$35; J. A., of N. Y., \$30; R. C. B., of N. Y., \$35; C. L. W., of Fla., \$30; A. J. G., of Mass., \$30; W. B., Jr., of N. Y., \$275; W. N. M., of Mass., \$30; S. L. A., of N. Y., \$25; D. T., of Mass., \$30; J. M. B., of Conn., \$30; W. R., of Ohio, \$30; L. K., of Conn., \$25; O. F., of Ind., \$30; R. B., of N. Y., \$30; O. K., of N. Y., \$30.

Specifications, drawings and models belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, April 21, 1860:—

B. & B., of Mass. (two cases); J. C., of Mass.; A. K., of Ill.; F. & P., of Ind.; J. C., of N. Y.; J. S., of Wis.; O. L. & J. W. T., of N. Y.; A. J. G., of Mass.; J. E. M., of N. Y.; C. & B., of Iowa; J. B. McC., of Iowa; G. F., of Ill.; W. McA., of Mich.; T. W., of R. I.; G. W., of Pa.; G. D., of Ill.; A. F. R., of Ill.; H. J. C., of Mass.; R. & S., of Ala.; D. H., of N. Y.; J. G. W., of Ga.; J. R. I., of N. Y.; J. H. I., of Ill.; R. C. B., of N. Y.; W. F., of Mass.; D. G. P., of N. J.; H. M. W., of Conn.; P. G. McC., of Iowa; J. H. H., of Vt.; D. S., of N. Y.; H. G., of Mass.; J. D., of N. Y.; H. P., of N. J.; D. G., of Ill.; P. M., of Conn. (three cases); D. T., of Mass.; E. & K., of France; S. L. A., of N. Y.; L. K., of Conn.; C. & G., of France; J. C. P., of Maine.

Literary Notices.

THE WAR IN NICARAGUA—written by General William Walker. Published by S. H. Gortzel & Co., Mobile, and No. 82 Warren-street, this city.

By the receipt of this book, we perceive that this little, light-haired, drawing freebooter is still out of prison.

HITCHCOCK'S ANATOMY AND PHYSIOLOGY—published by Ivison, Phinney & Co., Nos. 48 and 50 Walker-street, this city. This is no doubt one of the best class books for teaching the important subjects of which it treats. It is compiled and prepared by the venerable Dr. Hitchcock, of Amherst College, and his son, Edward Hitchcock, Jr., M.D.

A TREATISE ON ELEMENTARY AND HIGHER ALGEBRA—by Theodore Strong, L.L.D., Professor of Mathematics and Natural Philosophy in Rutgers' College, New Brunswick, N. J. Published by Pratt, Oakley & Co., No. 21 Murray-street, this city. The author says:—"Great pains have been taken to present the principles and processes of the science in so clear a manner that the student may readily understand them." He also claims to have made some important additions to the science of algebra. "Thus, at page 512, &c., a new and general method is given for the development of the roots of equations, which seems to be much more simple than any heretofore proposed."

WELLS' LAWYER AND UNITED STATES FORM BOOK. Published by John G. Wells, corner of Park-row and Beekman-street, this city.

The plates of this standard work having been recently destroyed by fire, the opportunity has been taken to give it a thorough revision, adapting it to the statutes in force at the present time in the several States. It contains forms for deeds, wills, bonds, &c., with brief and plain statements of the laws in relation to the transactions in which the forms are to be used. We find in it a summary of the laws for the collection of debts in the several States, the qualifications of electors, the law of landlord and tenant, the forms for patent proceedings; and, indeed, instructions for conducting legally the multifarious transactions of business and of life. It is sent by mail to any part of the country for \$1.

Rates of Advertising.

THIRTY CENTS per line for each and every insertion, payable in advance. To enable all to understand how to calculate the amount they must send when they wish advertisements published, we will explain that ten words average one line. Engravings will not be admitted into our advertising columns; and, as heretofore, the publishers reserve to themselves the right to reject any advertisement sent for publication.

NEW & SLATER'S OSCILLATING CABOOSE.—The undersigned take this method of informing the shipping community of the city of New York and of the United States that they are prepared to furnish their oscillating caboose. Of its advantages we need not speak; it needs only to be seen to be fully appreciated, as it possesses many highly important advantages over everything of the kind now in use. It maintains a level position under any circumstances, is adapted to burning either wood or coal, and possesses double the draft of the ordinary caboose. If it were necessary, we might produce numerous testimonials of the highest character, in relation to its utility. Capt. F. H. Gregory, U. S. N., speaks of it in the following most flattering terms. He says:—"It appears to me, from what experience I have had, to obviate many objections to the stationary apparatus used on shipboard, the inconveniences which I have observed being entirely done away by your ingenious invention." Capt. M. Munson, of New Haven, Conn., on board of whose vessel it was thoroughly tested at sea, speaks of it in the following terms. He says:—"I consider that, from the test I have given it, having used it in my own galley, nothing is wanted to make it the caboose of just the thing that has long been needed; one that will meet all the wants and fulfil the highest anticipations of all seafaring men, in so far as it relates to comfort and convenience in this department." We could multiply references and testimonials, but feel that it is unnecessary. We are prepared to furnish a caboose of any size, together with all the necessary furniture, upon liberal terms. A reasonable discount will be made to the trade throughout the United States. We would also offer for sale our patent for these States. For full particulars, address NEW & SLATER, No. 31 Fulton-street, New York.

A WASHING MACHINE THAT IS SIMPLE, thorough and triumphant over all others with which it has come in contact. Cut and circular sent, on application to Mr. VAN AUKEN, patentee, Amsterdam, N. Y. Price of machine, \$8 and \$10.

INVENTOR'S GUIDE.—HENRY C. BAIRD, Philadelphia, publishes "The Patent Office and Patent Laws, or a Guide to Inventors." By J. G. Moore. Price \$1. Sent by mail free of postage.

FOR THE DEAF—FOR THE DEAF.—ARTIFICIAL EARS; entirely concealed. Call at, or address, HASLAM BROS., No. 420 Broadway, New York, for a descriptive and illustrated circular.

VALUABLE WORKS FOR MECHANICS AND BUILDERS.—Riddell's "Elements of Hand-railing, Stair-building, Carpentry," &c., is the most complete and practical work extant. Any carpenter can acquire the whole art in a few days and save ten times the cost of the work; 22 plates, with full and clear explanations. \$2.50, postpaid. Bell's "Carpentry Made Easy" teaches a new system of framing, by simple and exact rules, given with mathematical precision, in language free from technical terms, so that any one can understand them; 38 plates, \$3 postpaid. JAMES CHALLENGER & SONS, Publishers, Philadelphia, Pa.; PHINNEY, BLAKEMAN & MASON, New York; BROWN & TAGGARD, Boston.

A WONDERFUL PATENT LOCK.—ANY PERSON succeeding in picking the said lock will receive an interest in the building and sale of them. For further information address C. DUCKWORTH, North Adams, Mass.

\$10,000 PAINTING.—A SPLENDID large engraving of Rosa Bonheur's renowned "Horse Fair," printed in beautiful oil colors, will be sent, postpaid, to any address for \$1.50, and with "The United States Journal" one year, for \$2. It presents upon the parlor walls all the brilliant effects of a fine oil painting. \$10,000 was paid for the painting, and the lovers of art are enthusiastic in their admiration of this superb copy of it. The New York Observer says: "It is a remarkable reproduction of one of the greatest works of modern art." The Christian Advocate says: "It is a superb production." The New York Independent says: "It preserves, as nearly as possible, every tint, shade and color of the magnificent original." The New York Tribune says: "It is a fine specimen of the new art of lithographic printing in colors." Life Illustrated says: "No less than eighteen different shades of color are made to complete the picture, and we have almost the perfection of art." Agents are selling them by thousands, and some of them say they are "winning money" in the business. More agents are wanted. J. M. EMERSON & CO., Publishers, No. 37 Park-row, New York.

INSTRUMENTS.—CATALOGUE (6TH EDITION), containing over 250 illustrations of Mathematical, Optical and Philosophical Instruments, with attachment of a large sheet representing the Swiss Instruments in their actual size and shape, will be delivered, on application, to all parts of the United States, by sending 12 cents in postage stamps. C. T. AMSLER, No. 636 Chestnut-street, Philadelphia. Catalogues, without the large sheet of Swiss Instruments, furnished gratis, on application.

\$2 TO \$3 A DAY.—FEMALE AGENTS ARE wanted, at home or to travel, for the mammoth "Family Pictorial," an elegant periodical, of home literature, pure morality and practical common sense. The largest, best, handsomest and cheapest illustrated family paper in the world, at only 25c a year; 40c for six months, or 25c for three months, and one-half of the money given to female agents. Enclose a three-cent stamp for specimen copies, &c., to MARIE LOUISE HANKINS & CO., Publishers, No. 420 Broadway, New York.

A GREAT CHANCE.—THE SUBSCRIBER, having possession of one of the oldest and best business stands in the city of Baltimore, and now doing a large and profitable retail Stove and Furnace business, is desirous of starting a Foundry in connection with the same; would invite proposals from a thoroughly competent foundryman, who can command \$10,000, with a view of giving him an interest in the same. The very best testimonials given and required. Address MANUFACTURER, Baltimore, Md.

GIBSON'S PLANING MILL MACHINERY FOR SALE.—The subscriber having sold the real estate occupied by his planing and sawmills at Albany, N. Y., now offers for sale all the machinery and implements, in lots to suit purchasers, consisting of one 50-horse horizontal steam engine; one 20-horse vertical ditto; 9 steam boilers, 4 feet diameter and 24 feet long, with two 18-inch flues each; 3 steam boilers, 3 feet diameter and 20 feet long, with two 14-inch flues each; one stationary steam fire engine, equal to five ordinary city-fire-engines; 5 Woodworth patent planing and matching machines; 2 upright re-splitting sawmills; one large circular sawmill for re-splitting; one clapboard saw (Crosby patent); 10 circular saw benches complete; shafting pulleys and leather belting; 2 screw-cutting engine lathes, 6 and 14 feet long; 2 hand lathes for turning wood; one 8-foot iron planer for planing metals; two 4-foot grindstones, hung; leather hose (city size); 4 double lumber trucks; 6 lumber carts, &c., &c., all in good order, and for sale cheap. JOHN GIBSON, Planing Mill, Albany, N. Y.

PORTEE'S CENTRIFUGAL GOVERNOR.—THE attention of parties troubled with irregular or unsteady power is respectfully called to this Governor, now coming into general use. It may be used in connection with any valve or cut-off, and will regulate the motion of the engine so perfectly that its entire load may be thrown on or off at once, without sensibly affecting its speed. I will send a Governor to any responsible person for trial; and if his action is not perfect under the above test, it may be returned. Prices exceedingly moderate. All orders and communications will receive prompt attention. Send for a circular. Address CHAS. T. PORTER, 235 West Thirteenth-street, corner of Ninth-avenue, New York. A few reliable agents wanted. 15 tf.

THE LONDON BUILDER—AN ILLUSTRATED monthly journal for the Architect, Engineer, Inventor, Constructor and Artist; conducted by George Godwin, president of the London Royal Institute of Architects, &c., &c. Present volume commences January, and the January and February numbers contain 14 excellent illustrations of building novelties. \$1 a year; single copies, 60 cents. WILLMER & ROGERS, 15 4 No. 42 Nassau-street, New York, Agents for America.

MACHINE BELTING, STEAM PACKING, ENGINE HOSE. The superiority of these articles, manufactured of vulcanized rubber, is established. Every belt will be warranted superior to leather, at one-third less price. The Steam Packing is made in every variety, and warranted to stand 300 degs. of heat. The Hose never needs gilling, and is warranted to stand any required pressure; together with all varieties of rubber adapted to mechanical purposes. Directions, prices, &c., can be obtained by mail or otherwise at our warehouses. NEW YORK BELTING AND PACKING COMPANY. JOHN H. CHEEVER, Treasurer, 14 13 Nos. 37 and 38 Park-row, New York.

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BURNELL'S PATENT ROTARY PUMP—adapted to all purposes of pumping, from the well and cistern to the steam fire-engine. The most simple, durable and efficient pump yet made. Principal sales depot at No. 23 Platt-street, New York. [13 13] SAMUEL B. LEACH.

MODELS—IN EITHER WOOD OR METAL, for the Patent Office. HENRY J. BEHRENS, 15 8 No. 170 Chatham-street, in the rear.

WHEELER & WILSON'S SEWING MACHINE. Who writes for it? Send for a circular and see. Office, No. 505 Broadway, New York. 16 4

AUTOMATIC RAKER FOR HARVESTERS.—Patented Jan. 6, 1858. A first-class Raker, designed especially for Munty's machines; may be applied to any reaper having the cutter bar in advance of the driving wheel. Rights for sale. Address SAMUEL COMFORT, Jr., Morrisville, Pa. 17 3

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