

TO CORRESPONDENTS.

J. McS., of Cal.—The interest which so many Californians take in the success of the SCIENTIFIC AMERICAN, is an evidence of their superior information.
F. W., of Ohio.—We cannot understand why the engine should have more power, or go faster, cutting off at half stroke, than when receiving steam the whole stroke.

\$30; G. B. A., of Ct., \$30; W. W. Van L., of N. Y., \$50; E. R. B., of Ct., \$30; W. W. B., of N. Y., \$30; J. E., of Mass., \$32; J. Q., of Ct., \$25; M. & S., of N. C., \$38.50; F. A., of N. Y., \$30.

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

G. S., of Ala.; G. C. K., of Mich.; J. Q., of N. Y.; E. G., of Mass.; W. N. G., of Ct.; E. K. B., of Ct.; M. S. S., of N. C.; J. W. K., of N. H.; A. H., of N. Y.; J. B. D., of O.; C. & W., of Wis.; F. A., of N. Y.; C. B. B., of Ill.; K. H., of Ill.

Important Items.

BACK NUMBERS AND VOLUMES.—We have the following numbers and volumes of the SCIENTIFIC AMERICAN, which we can supply at the annexed prices:—Of Volume 5, forty numbers, bound, \$1.75. Of Volume 6, all; price in sheets, \$2; bound, \$2.75. Of Volume 7, all; price in sheets, \$2; bound, \$2.75. Of Volume 8, none complete, but about 30 numbers in sheets, which will be sold at 50 cents per set. Of Volume 9, bound, \$2.75. Of Vol. 10, all except Nos. 17, 25, 26, 27, and 28, at the subscription price.

PATENT CLAIMS.—Persons desiring the claim of any invention which has been patented within fourteen years, can obtain a copy by addressing a letter to this office, stating the name of the patentee, and enclosing \$1 for fees for copying.

RECEIPTS.—When money is paid at the office for subscription a receipt for it will always be given, but when subscribers remit their money by mail, they may consider the arrival of the first paper a bona fide acknowledgement of the receipt of their funds.

MODELS.—We are receiving almost daily, models of inventions which have not the names of their inventors marked upon them. This usually prevents us from taking any notice of them whatever. We shall esteem it a great favor if inventors will always attach their names to such models as they send us. It will save us much trouble, and sometimes prevent the model from being mislaid.

PATENT LAWS, AND GUIDE TO INVENTORS.—Congress having adjourned without enacting any new laws pertaining to applications for patents, we have issued a new edition of the old laws, which may be had at our counter or sent by mail. This pamphlet contains not only the laws but all information touching the rules and regulations of the Patent Office Price 12 1/2 cents per copy.

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Table with 2 columns: Lines for each insertion, Price. 4 lines, \$1.00; 8 lines, \$2.00; 12 lines, \$3.00; 16 lines, \$4.00.

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 inserting.

IMPORTANT TO INVENTORS.

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 thousand Letters Patent have been issued, whose papers were prepared at this Office, and on an average one or one-third of all the patents issued each week are on cases which are prepared at our Agency. An able corps of Engineers, Examiners, Draftsmen 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, enable us to give the most correct counsels to inventors in regard 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 patented through our establishment are noticed at the proper time in the SCIENTIFIC 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. MUNN & CO., American and Foreign Patent Attorneys, 128 Fulton Street, New York; 32 Essex Street, London; 29 Boulevard St. Martin, Paris; 6 Rue D'Or, Brussels.

FOR SALE.—A Planing Mill, with the right to use four Woodworth Planing Machines, now in operation, and doing a good business. This is one of the very best arranged mills in the country, and will be disposed of at a fair price to a person or persons with some means. Not much money will be required, if undoubted security can be given. To parties having adequate means to aid any other business to planing, as many lots will be sold or let as may be wanted. Persons wishing to purchase will please address W. P. M., box 248, New York P. O., stating what their means are, and when an interview can be had. If not sold very shortly, one-half or the whole will be let at a fair rent.

HUNTINGTON P. O., HUNTINGTON CO., PENN. May 27th 1855

GENTLEMEN—I have in use one of Mr. Vandewater's Jonval Turbine Water Wheels, and have no hesitation in saying for most all water powers they surpass any wheel in use. I have tested the above wheel in a way which is not often in any one person's power to do, using the water immediately out of the tail race of the Jonval water wheel directly into the head race of the overshot mill, which has two overshot wheels, 12 feet each, and tested them three successive days, and found the two overshots to use the whole amount of the water which had been used by the turbine while the two overshots did not grind as many bushels by one-third as the turbine did, with one run of burrs. Vandewater's new wheel is the one I would now use and purchase. I would advise a wheel for each pair of burrs. Mr. Vandewater will stand the test, if required, of his wheels. Yours, &c. B. F. BELL, of Antistown, Blair Co., Penn. To Messrs. FISHER & McMANUS.

LEWIS WHITE, Manufacturer of various articles of Brass and Iron, also Models, Moulds Dies Stamps and Embossing Tools. No. 10 Trumbull st., Hartford, Ct.

UNITED STATES PATENT OFFICE.

Washington, July 12, 1855. ON THE PETITION OF DENJ. TATHAM of New York, and Geo. N. Tatham, of Philadelphia, praying for the extension of a patent granted to them on the 11th day of October, 1841, for an improvement in machinery for making pipes or tubes of lead, tin, and other malleable substances, for seven years from the expiration of said patent, which takes place on the 11th day of October, 1855:

It is ordered that the said petition be heard at the Patent Office on Monday the 24th day of September, next, at 12 o'clock, M.; and all persons are notified to appear and show cause, if any they have, why said petition ought not to be granted. Persons opposing the extension are required to file in the Patent Office their objections, specially set forth in writing, at least twenty days before the day of hearing; all testimony filed by either party to be used at the said hearing must be taken and transmitted in accordance with the rules of the office, which will be furnished on application.

The testimony in the case will be closed on the 14th day of Sept., 1855; depositions and other papers relied upon as testimony must be filed in the office on or before the morning of that day; the arguments, if any, within ten days thereafter.

Ordered, also, that this notice be published in the Union, Intelligence, and Evening Star, Washington D. C.; Pennsylvania, Philadelphia, Penn.; Scientific American, New York; Daily Baltimore Republican, Couriers, Buffalo, and Post, Boston, Mass., once a week for three successive weeks, previous to the 24th day of September next, the day of hearing. S. T. SHUGERT, Acting Commissioner of Patents.

P. S. Editors of the above papers will please copy and send the bill to the Patent Office, with a paper containing this notice. 46 3

FOR SALE.—A PORTABLE STEAM Hoisting and Pumping Engine—Suitable for loading and discharging cargoes, raising stone for buildings, steeples, &c., also for pile driving. Will raise a hammer 20 hundredweight 60 feet in 30 seconds. By A. L. ARCHA M-BAULT, Portable Engine Builder, 15th street, above Willow, Philadelphia. Portable Engines for driving portable saw mills made to order. Power from 5 to 30 horse. Orders filled in three to five weeks. 45 4

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THE DAILY SUN.—Mail Subscribers.—The morning edition 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, 75 cents per year, payable quarterly, 18 1/2 cents; to any Post Office out of New York State, but within the United States, \$1.50 per year, payable quarterly, 38 cents in advance. MOSES S. BEACH, Publisher, Sole Proprietor of the Sun Establishment, Corner of Fulton and Nassau sts. 39

NORCROSS ROTARY PLANING MACHINE.—The Supreme Court of the U. S., at the Term of 1853 and 1854, having decided that the patent granted to Nicholas G. Norcross, of date Feb. 12, 1850, for a Rotary Planing Machine for Planing Boards and Planks, is not an infringement of the Woodworth Patent. Rights to use N. G. Norcross's patented machine can be purchased on application to N. G. NORCROSS, 209 Broadway, New York. Office for sale of rights at 208 Broadway, New York Boston, 27 State street, and Lowell, Mass. 42 6m

THE CHEAPEST HORSE POWER KNOWN.—Patented April 1st, 1855.—Sampson's horse power has not a gear wheel about it, and it can be constructed and kept in repair by an ordinary mechanic. It costs less and furnishes a larger percentage of power than any horse power known. For the purchase of rights for the District of Columbia, Maryland, Delaware, New Jersey, Pennsylvania, New York, Ohio, and the New England States, apply to Prof. CHAS. G. PAGE, Washington, D. C. 35tf

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