Scientific American.

CORRESPONDENTS

D. N. P., of O .- Certainly there is no classof the com munity so much entitled to the Patent Office Reports a the inventor and patentee, whose money forms the fund from which the expense of the publication is derived. It would be better if the Commissioner had more copies appropriated for his distribution, and the Members of Con-gress less, for he is in a position to know who are entitled to them better than the M. C.'s, and will be likely to make a more judicious distribution. We will endeavoit to have all of our clients urnished with these Reports Patentees for 1855, who had their business transacted through this office, have been, we believe, already mostly supplied, and the Report for 1856 will not be printed for circulation until next autumn

J. V., of Ohio.-Gregory's Organic and Inorganic Chem istry is published in two volumes, price \$150 each. Por-ter's Chemistry, \$100. They are good works. Published and for sale by A. S. Barnes & Co., this city.

W. O. H., of N. Y. - The method of restoring yellow soap to pure white is something very desirable to know Purchase the work of Campbell Morfitt on Soap Making Parry & McMillan, Philadelphia, are the publishers.

L. M. F., of N. Y .- It will require about 3000 cubic fee of gas to sustain 100 lbs. in a balloon. The explosive pow er of electricity has not been applied to propel machin

ery, and cannot be. H. A. P., of Ill.—The receipt you refer to wasfor writing on ivory with nitrate of silver. Heat marble write on it with a strong solution of the nitrate of silver allow it to dry, and then wash it with a weak solution o

glue, and you will obtain black writing on the stone. W. W., of Philadelphia.—We now forget the price at which aluminum is selling in Paris. Any further new and useful information that we receive respecting it will appear in our columns.

I. K. S., of Pa.-With the weight of 1600 lbs. suspended as you describe on the shaft of your wheel, it is no won-der the gudgeon heats. If you cut two or three channels in your cast-iron journal box—inside—and fill them with an alloy of equal parts of tin and lead, adding about a 20th part of copper, the journal of the shaft will not be s liable to heat.

G. H. B, of R. I.-We have no data for calculating the strength of malleable cast-iron. Works on the strength of cast and wrought-iron are mostly useless, because there is such a great difference in the strength of different samples. We have seen malleableized iron that was more

brittle than rough cast-iron. W. W. B., of Mass.—At present we cannot give you the receipt for making shoemaker's balls for glazing the edges of shoe soles when a hot iron is applied.

E. P. B., of Me.-Mr. Conger's book has not yet beer published. We regret that you have not described your experiments with his wheel more minutely. We like to gain all the information possible respecting fair practical experiments with water wheels.

J. W. P., of Ill.-We are just as favorable to the propel ling of parcels through a tube by compression as by ex haustion

F. K., of Conn.-Either of the works on draughting will answer your purpose, but Blakie & Sons' is the best. It requires taste and application to become master of the The Mechanical Dictionary to which you refer is not a great work, but it is the only one of the kind published

S.G.C., of Mass.-Cold water forced in by a hydraulic pump is the best method we are acquainted with to test the strength of steam boilers. J. C., of N. Y.-Yours will meet with attention.

P. M., of C, W.—The United States postage to Canada is twenty-six cents per annum, Communicate with J. M. Hutton, Richmond, Ind., respecting machinery for sawing laths from round logs. The specimens which you have sent appear to be pearls. Where did you get them? The number you sent for has been forwarded to your address

H. J., of N. Y .- A boiler is no stronger than the weak est part of it, therefore be sure and make every part of it strong enough to resist the pressure of steam you intend

to carry. Do not make it with a seam on the top. Wm. Winter, of Rondout, N. Y., has heard of Burt? shingle machine, but does not know where one can be purchased

A. F., of Mass.-A copyright holds good for 23 years, and a patent right for only 14 years. The treatise yo

want we cannot supply. J. A. C., of Ala.-See engraving and description of the sewing machine referred to in the last number of the Scientific American. Write to the parties for informa

tion W. T. R., of Pa.-If you wish to procure the agency

referred to, you had better write to the parties whose names appear as the owners. H. D. W., of Mich.-If an invention has not been in

public use for more than two years previous to an appli-cation for a patent, the patent if granted would be perfectly valid

Moneyreceived at the SCIENTIFIC AMERICAN Office on account of Patent Office business for the weekending Saturday, Dec. 13, 1856;-L. A. H. of Ill., \$25; L. S. C. of N. Y., \$30; F. J. F. of

L. I., \$30; W. D. Jr. of Pa., \$100; B. A. H. of N. Y., \$20; J. G. E. of Pa., \$25 ; J. H. of N. Y., \$25 ; M. B. of Ill. \$30; H. H of Mase \$30. J. S. C. of Pa \$25 of N. Y., \$25 ; J. H. T. of N. J., \$25 . M. W. of N. Y. \$32 J. P. G. of Ky., \$25; J. H. T. of O., \$55; S. L. Jr. of Ind., \$30; J. T. of Pa., \$30; C. S. P. of N. Y., \$35; L. O. R. of Ill., \$30; G. W. B., of L. I., \$500; G. L. W., of N. H., \$30; A. P. W. of Ill; \$30; J. H. H. of Mo., \$37; A. & R. of N. Y., \$25; B. A. of Conn., \$30; J. W. of R. I., \$100; L. & L. of Ind., \$30; P. C. of N. Y., \$55; F. J. H., of N. J., \$25; M. P. of N. Y., \$45; S. D. T. of N. Y., \$25; H. A. H., of N. Y., \$25; J. G. G., 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, Dec. 13:-L. M. P. of Wis.: C. W. of Me.; L. A. H. of Ill.; F. J

H. of N. J.; J. P. G. of Ky.; J. G. E. of Pa.; W. L. Van D. of N. Y.: J. B. of Ill.; J. H. K. of N. Y.; J. G.H. of N. J.; M. P. of N. Y.; J. H. T., of N. J.; J. H. of N. Y.; S. D. T. of N. Y.; M. W. of N. Y.; B. G. P. of N. Y.; J. H. of Wis.; H. A. H. of N. Y.; A. & R. of N. Y.; J. G. G. of N.Y.

Z Important Items.

Subscribers to the SCIENTIFIC AMERICAN who fail to get their papers regularly will oblige the publishers by stating their complaints in writing. Those who may have missed certain numbers can usually have them supplied by addressing a note to the office of publica-

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and facilities which few others possess, we are ase co-give the most correct counsels to inventors in regard to the patentability of inventions placed before us for ex-amination. Private consultationarespecting the patentability of in-rentionsare heldfree 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 improve-ment should be first forwarded, which we will examine and give an opinion as to patentbility, without charge. Models and fees can be senf with asfety 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 incomed that all inventions pat-ented through our establishment are noticed, at the prop-er time, in the Sortwirter Americans. This paper is read by not less than 100,000 persons every week, and en-joys avery wide agreed and subtantial influence. Most of the patents obtained by Americans in foreign that a very large proportion of all the patents applied for in the U. S., so through our agency. MUNN & CO. American and Foreign Patent Attornies, Principal Office 123 Fulton street, New York.

American and Foreign Patent Attornies, Frincipal Office 123 Fulton street, New York. THE SATURDAY EVENING POST - Estab-lished August 4th, 1821. The publishers of this old and firmly established paper take pleasure in calling the attention of the public to their programme for the coming year. Surfeited with politics, the claims of literature will be more than ever appreciated by the reading world. We have, therefore, already made arrangements with the following brilliant list of writers: William How-it, of Eng land, Alice Cary, T. S. Arthur, Mrs. South-worth, Augustine Duganne, Mrs. M. A. Denison. &c. We design commencing, in the first number in January next, the following original novelet, Tallengeita, or the Squat-tor's Home, by Wm. Howitt, author of Rural Lite in Eng-land. The following novelets will then be given, The Story of a Country Girl, by Alice Cary. The Withered Heart, by T. S. Arthur. Lighthouse Island, by the suthor of My Confession. The Quaker's Protege, by Mrs. Mary A. Denison. The Raid of Burgundy, a tale of the Swiss Cantons, by Augustine Duganne, author of The Lost of the Wilderness, &c. We have also the promise of a short and condensed Novelet, by Mrs. Southworth. In addi-tion to the above list of contributions, we design continu-ing the usual amount of foreign letters, original sketches, choice selections from all sources, agricultural articles, general news, humorous anecdotes, riew of the produce and slock markets, editorials, &c. our object being to give a complets record, as far as our limits will admit, of the Great World. Terms \$22 ayear; 4 copies \$5; 9 copies \$10; 21 copies \$20. Address. DEACON & PETERSON. 66 South Thirdst., Philadelphia. [7] Sample numbers sent gratis to anyone, who re-quested

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