# Scientific American.



W. A. B., of Cal.-The specimen of rock which you have sent us is white flint.

W. M. B., of Ct.-The best engineering school in New England is Yale College. Endeavor to obtain a situa-tion in some able civil engineer's office, so as to acquire practical knowledge. T. H., of N. Y.-We really cannot make out your

sketch nor what you mean to accomplish, or expect to gain, by such a complication of cranks, rods and lazy tongs levers.

G. W. F., of Mo.-Have you ever tried a mixture of soap stone dust with black lead in making your crucibles? We have been informed that it improves their qualities with regard to durability.

C. II. of N. Y .- Various patents have been secured for recovering vulcaniz ed india rubber. See page 339, Vol. 11, Sci Am., for description of one process.

J. R. M., of N. S.-We cannot give you the name of any manufacturer of tools for all the operations of boring Artesian and deep wells.

H. M., of N.  $\bar{\mathbf{Y}}$  — Your plan of curry comb is novel to us, and we think, without doubt, patentable. Send down your model and the first fee. (\$30,) and we will advise

C. C. S., of Ct.-A model constructed of soft wood, if neatly made and stained, will answer for an application for a patent. The initials of your given name are suffi cient for the plate.

D. H H, of N. Y.-The mill to which you refer is cap able of performing well, but it will not justify the statements made in its favor by Prof. Mapes. For some reason unknown to us the inventor has never made them for market.

N. S. R., of Va .- The sewing machines of Singer, Wilson and Grover are all good for family use. We believe

the prices are about the same for each. A. R. E., of Pa.-We do not advise you to apply for a patent on your alleged substitute for the crank. It cannot be made to operate with success except upon a very small class of engines. There are other devices equally capable of doing all you can accomplish by yours

J. K. P., of N. H .- On the 15th of January, 1856, Lewis White, of Hartford, Ct., took a patent in a curtain fixture which agrees with your description. The fastening of a printed bill, with the name of the patentee and date of the patent, on a package of so small an article as these you mention, would, in our opinion, meet the require

S. A. Marsteller, of Allentown, Pa, writes to procure a machine for washing sand. Will some of our readers furnish him with the information ?

T. H M., of Ga.-We do not undertake agencies such as you solicit. The partyyou name, we believe, is not in this city. He was at Chicago when we last heard of

him. C. T. H., Jr., of S. C.-Prof. Gillespie's two works, one on "surveying," and the other on "road-making," are the best we can recommend to you. Published by Appleton & Co., this city.

W. H. S., of N. Y .- The book to which you refer is o little use for your purpose. J. G of Ill.-A good treatise on lightning conductors is

published by G. P. Putnam & Co., this city. It will give you the necessary information.

G. B. of N. J.-Have you ever applied your locome tive to plowing? It appears from your description to be a good invention for the purpose. You should bring it before the public

S. D. McD., of N. Y.-The idea of igniting gas by electron

tricity, we are aware, is quite old We have done it years ago ourselves with a spark from the knuckle. J. B. T., of Pa.—There is no work which contains rules for calculating the power of coiled springs. Their tension depends upon the quality of the steel of which they are made. Two coiled springs of different qualities of steel will exhibit a difference in their tension, although of the

same form and size. C. H., of \_\_\_\_\_.We did not receive the telegraphic despatch to which you allude. If you could prove that arsenic vapors were generated in the National Hotel, Washington, then you could make a strong point in favor of your theory of the disease.

E, M. L., of Boston.-No person can give you proper advice regarding the disease of your eyes without examining them.

R., of Iowa.-D'Aubuisson's work on Hydraulie contains the theory of the turbine wheel; also, J. B. Francis, Esq. of Lowell, has given a full description in his geat work describing experiments. You will also find large and fine drawingsof a seven hundred horse power turbine in the third edition of "Tredgold on th Steam Engine."

C. D. W. B., of O .- Smooth rollers are generally en ployed for pressing sugar cane. There are three rollers in a set—one on the top between two underneath. This is the best method you can employ for pressing the Chinese cane.

J.A.L. of Mich.-We have published all that is neces sary on the "divining rod" for the present. Although some evidence has been given that electricity plays a part in the operation, that evidence has one contradic tory feature. When all the phenomena harmonize with the laws of electricity our scepticism may be removed.

H. D. B., of Mass.-We would recommend you to send your articles to I. S. Clough, 166 Broadway, this city, who sells all kinds of "Yankee notions" and domestic articles on commission. He is well calculated to find customers for such goods, and, moreover, is financially esponsible. He also purchases patents on all kinds of housekeeping articles.

Money received at the Scientific American Office on account of Patent Office business for the week ending Saturday, June 20, 1857 :-

J. D. H., of Ill., \$25; L. & B., of S. C., \$25; J. C. T. of Ill., \$25; T.E. C. B., of Ky., \$10; A. D. of N. C., \$33 G. & W., of O., \$55; W. R., of N. Y., \$30; M. C. R., of O., \$30; A. R. K., of N. Y., \$28; I. M., of N. Y., \$30; J. R. P., of N. Y., \$250; L. & M., of Con., \$30; L. & B., of Mass., \$14, C. K., Jz, of N. Y., \$30; C. F. B., of \_\_\_\_, \$33; L. C. S., of Conn., \$30; T. & G., of N. Y., \$25; A. F. A., of Conn., \$25; S. L. W., of Pa., \$25; J. T., of N.

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 Y., \$30. M. & R., of N. Y., \$30; J. J. O., of Miss., \$25;

 J. F. & E. W., of N. Y., \$30; W. W. B., of N. Y., \$30;

 D. C. T., of Wis, \$20; H. H., of N. Y., \$25; H. G., of L.

 I., \$25; J. K., of N. J., \$25; W. M., of La., \$25; J. & S., of N. Y., \$25; C. W., of N. H., \$35.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, June 20, 1857 : L. & T., of France ; H. H., of N. Y; ; L. & B., of S. C.;

J. C. T., of Ill.; J. D. H., of Ill:, H. G., of L. I. S. L. W., of Pa.; T. & G., of N. Y.; J. J. O., of Miss.: A. R. K., of N. Y.: A. F. A., of Ct.; L. & B., of Mass.; J. ĸ of N. J., W.M., of La.; J. & S., of N. Y.: C. W., of N. H.

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COMPLETE SETS OF VOLUME XII EXHAUSTED We regret that we are no longer able to furnish complete sets of the present volume. All the back num-bers previous to No. 27 are entirely exhausted. GIVE INTELLIGIBLE DIRECTIONS-We often receive let-

ters with money enclosed, requesting the paper sent for the amount of the enclosure but no name of State given, and often with the name of the post office also omitted. Persons should be careful to write their names plainly when they address publishers, and to name the post of fice at which they wish to receive their paper, and the

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BRANCH OFFICE IN THE CITY OF WASHINGTON, on the corner of F and Seventh streets, opposite the United States Fatent Office. This office is under the general care of one of the firm, assisted by ex-perienced Examiners. The Branch Office is in daily communication with the Frincipal Office in New York, and personal attention will be given at the Patent Office to all such cases as may require it. Inventors and others who may visit Washington having business at the Patent Office are cordially invited to call at our office. A SPECIAL REQUEST. Our facilities for the speedy preparation of cases pre-vions to the application for the patent being much more extensive in New York than at Washington, we espe-cially require that all letters, models and remittances should be made to our address here. **EXAMINATION OF INVENTIONS.** 

EXAMNATION OF INVENTIONS. We have been accustomed from the commencement of our business-iwelve years since-to examine sketches and descriptions, and give advice in regard to the novelity of new inventions, without charge. We also furnish a printed aircular of information to all who may wish it giving instructions as to the proper method which should be adopted in making applications. This practice we shall still continue, and it's our purpose at all times to give such advice freely and candidly to all who apply to us. In nocass will we advise a inventor to make appli-cation unless we have confidence in his success before the Fatten Office. Our extensive experience in mechanical and chemical improvements enables us to decide adversely to nearly one half of the cases presented to us for our opinion, be-fore any expense has accurred in the preparation of the

fore any expense has occurred in the preparation of th case for a patent. When doubt exists in regard to the novelty of an in vention, we advise in such cases a

When doubt exists in regard to the novelty of an in-vention, we advise in such cases a PRELIMINARY EXAMINATION to be made at the Patent Office. We are prepared to conduct such examinations at the Patent Office through our "Branch Agency," upon being furnished with a sketch and discription of the improvement. Our fee for this service will be \$5. Aftersufficient expreince under this system, we con-fidently recommend it as a safe precautionary step in all cases before application is made for a patent—not h at there will be no rejections under the system. It is im-possible to avoid such results in many cases, owing to the examination of cases, but, nevertheless, many applicants will be saved the expense of an application by adopting this course. Applicants who expect answers by mail must enclose stamps to pay return postage. THE OGSTS ATTENDING AN APPLICATION for a Patent through our Agency are very moderate, and great care is exercised in their preparation. No cases are losiforwant of the resuns says and if the claims are rejected, we enter upon a speedy examination of the refusal, and make a report to our clients as to the prospects of success by further prosecution. A circular contraining fuller information respecting the

A circular containing fuller information respecting the method of applying for Patents can be had gratis at eitherofour offices.

Bitherofour offices: REJECTED APPLICATIONS. We are propared to undertake the investigation and prosecution of rejected cases, on reasonable terms. The close proximity of our Washington Agency to the Patent Office affords us rare opportunities for the examination and comparison of references, models, drawings, docu-ments, &c. Our success in the prosecution of rejected cases has been very great. The principal portion of our charge is generally left dependent upon the final result. All persons having rejected cases which they desire to have prosecuted are invited to correspond with us on the subject, giving a brief history of their case, enclosing the official letters, &c. FOREIGN PATENTS. We are very extensively engaged in the preparation

FOREIGN PATENTS. We are very extensively engaged in the preparation and securing of Patents in the various European coun-tries. For the transaction of this business we have offices at Nos. 66 Chancery Lane, London; 23 Boulevard Saint Martin, Paris, and 3 Rue Therreienne, Brussels. We think we may safely say that three-fourths of all the European Patents secured to American citizensare pro-cured through our genery. Inventors will do well to bear in mind that the English law does not limit the issue of Patents to inventors. Any one can take a Patent there. Circulars of information sent free on application. [] Remember the SCIENTIFIU AMERICAN PATENT AGENCY, No. 123 Fulton street. MUN N & COMPANY, Proprietors.

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