Scientific American.

TO COBRESPONDENTS.

V. L. M., of Pa - Your last invention submitted to us has been longer known (but not in use) than the one suggested to us before. The invention of Dr. Townsend, illustrated on page 241, Vol. 2, Scientific American, describes your last proposition ex actly, and the placing of canvas curtains around the edges of the cars and allowing them to drop near the track, is an invention in use on some of our railroads at the present time. So your previous sug gestion is not new. The use of curtains as applied on the New Jersey Railroad are very effectual in preventing the dust from rising, and is the best contrivance we have seen for the purpose-the most effectual for the smallest expense. Don't be discouraged-try again-you hit upon one good idea if it was not new.

S. II, of Pa .- you had better send us a model of your improvement for examination.

L. K., of Mass .- The engine and boiler which we have advertised for a few weeks back has been sold. E. F.F., of Vt.-Ifyou have got an invention on bank bill paper that will render it impossible to counterfeit or alter bills printed upon it you have a valuable answer. Supposing you send us a fifty dollar bill upon some good specie paying bank that is printed upon your paper, that we may have occucular demonstration that what you say of your invention is not overrated.

H. H., of Pa.-We have seen no other account of Fischer's Ram than the one you quote from Ew-bank's Hydraulics, page 371. 'One-third,' pobrably should read 'two-thirds.' No hydraulic ram can raise a larger amount of water than escapes, higher than the source. Three milles above Schaffhauser at Lauffen is a cataract about 100 feet in height The basin or air chamber, we should think, was at the base of the altar.

F. W. B, of Ohio.-Can you inform us anything new about Cashart's Turn Table? He appears not to have a patent.

G Y., of Md.-Your method of preventing steam boiler explosions is quite well understood; no patent could be secured on it, it is an old contrivance. N. W. P., of Pa .- We do not think there is any

chance for you to obtain a patent on the method of securing plastering to brick walls. Our opinion is that it is not the subject of a patent.

R. H. B., of Ohio -The subject of celestial photo graphy is one worthy of attention. We have not made the microscopical examination which you

D. B. M., of N. Y.; D. W. C. & Son, N. Y.; H. D. M., of Ohio; T. D., of Ala.; G. B. T., of Ohio; G. S. C., of N. Y.

A Chapter of Suggestions, dec.

TO CORRESPONDENTS .- Condense your ideas into as brief space as possible, and write them out legibly, always remembering to add your name to the communication. Annonymous letters receive no attention at this office. If you have questions to ask, do it in as few words as possible, and if you have some invention to describe, come right to the business at the commencement of your letter, and not fill up the best part of your sheet in making apologies for having the presumption to address us. We are always willing to impart infor mation if we have the kind solicited.

FOREIGN SUBSCRIBERS .- Our Canada and Nova Scotia patrons are solicited to compete with our citizens for the valuable prizes offered on the next volume. [It is important that all who reside out of the States should remember to send 25 cents additional to the published rates for each yearly subscriber-that amount we are obliged to pre-pay on postage.]

BINDING .- We would suggest to those who desire to have their volumes bound, that they had better send their numbers to this office and have them executed in a uniform style with their previous volumes. Price of binding 75 cents.

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PATENT CLAIMS-Persons desiring the claims of

tentee, and enclosing one dollar as fee for copying PATENTEES-Remember we are always willing to execute and publish engravings of your inventions provided they are on interesting subjects, and have never appeared in any other publication. No engravings are inserted in our columns that have appeared in any other journal in this country, and we must be permitted to have the engraving executed to suit our own columns in size and style Barely the expense of the engraving is charged by us, and the wood-cuts may be claimed by the inventor, and subsequently used to advantage in other journals

GIVE INTELLIGIBLE DIRECTIONS-We often receive letters with money enclosed, requesting the paper sent or 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 office at which they wish to receive their paper, and the State in which the post office is located.

The above chapter of variety we have insert ed for the mutual benefit of our patrons and ourselves. If our subscribers will retain in mind the suggestions contained in the above paragraphs, they will be likely to be benefitted thereby; besides they will save us much valuable time and a good deal of perplexity.

ADVERTISEMENTS.

 ^{by caa of} rhere are sometimes 4 sun dogs seen, as you will find by consulting any good work on memeteorological phenomena.
^{by caa of} find by consulting any good work on memeteorological phenomena.
^{by caa of} Nordey received on account of Patent Office business for the week ending Saturday, Aug 20: ^{by caa of} W. Ge, of Ohio, \$55; L. C., of Miss, \$55; W. D. C. & Son, N. Y, \$20; F. C. & S, of N. Y, \$20; T. D. of Ala., \$15; J. W. 8, of Mich., \$30; B. S, of III., \$20; N. R., of III., \$35; G. Specifications and drawings belonging to partles with the following initials have been forwarded to the patent Office during the week ending Saturday Aug 20: ^{by caa of} N. Y; D. W. C. & Son, N. Y; H. D. M, of Ohio; T. D., of Ala.; G. B. T., of Ohio; G. S. C., of N. Y. URE'S DICTIONARY-NEW EDITION-A dic-

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BACK NUMBERS AND VOLUMES-In reply to many HELVETIA AND LAFAYETTE GOLD MI-BAGE NUMBERS AND VOLUMES-In reply to many interrogatories as to what back numbers and vo-lumes of the Scientific American can be furnished, we make the following statement --Of Volumes 1, 2 3 and 4-none. Of Vol. 5, all but six numbers, price, in sheets, \$1; bound, \$175. Of Volume 6, all; price in sheets, \$2; bound, \$2,75. Of Vol. 7, all; price in sheets, \$2; bound, \$2,75. Of Vol. 8, all the back numbers subsequent to No. 27, but none previous. PATENT CLAIMS-Persone desiring the claims 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 pa

L AWRENCE SCIENTIFIC SCHOOL, Harvard U University, Cambridge, Mass. The next term of this institution will open on the first day of Sept., 1853, and continue 20 weeks Instruction by recita-tions, lectures and practical exercises, according to the nature of the study, will be given in Astronomy, by Messrs Bond; Botany, by Pref. Gray; Chemis try, Analytical and Practical, by Prof. Horsford; Comparative Anatomy and Physiology, by Prof. Wy-man, Engis eering, by Prof. Eustis; Mathematics, by Prof Pierce; Mineralogy, by Prof. Cooke; Phy sics, by Prof. Lovering; Zoology and Geology, by Prof. Agassiz For further information concerning he School, application may be made to Prof. E N Horsford, Dean of the Faculty. Cambridge, Mass, July 15, 1853. 44 8* 44 8*

Cambridge, Mass, July 15, 1853.

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