TO CORRESPONDENTS.

P

A. J. M., of Ala .- We have paid no attention to the cul tivation of the cranberry. Your inquiry is better suited to an agricultural journal: we presume the Editor of the American Agriculturist, of this city, would very gladly refer you to the proper source of information upon this sub ject.

T. V., of Cal.-We do not know whether Mr. M. intends to patent his apparatus or not. He has now no patent on it. We are not acquainted with "Drake's Patent." Mr. M.'s works very well; the only objection is the unsteady of trembling motion of the flame.

W. G. of Ohio-Letters Patent were granted, in 1851, to J. Ball for his alleged improvement in eye-cups. You must consult some lawyer as to legal proceedings against the vender of these cups ; we have no knowledge of their ef fects upon the eye. H. R. D., of Ind.-There is no great difficulty in building

chimneys and setting fire places, to prevent smoking. Let the chimney be built with smooth joints, and plastered smoothly all the way up inside, and there will be little danger of its smoking. There is an article in Ure's Dictionary of Arts and Manufactures on the subject. It is sold by Appleton in this city.

G. W. C., of Mich .- Japanned ware is merely varnished tin or sheet iron; the varnish is put on with a brush, and colored, as desired, then baked in an oven. Two or three coats are put on and dried, one after another.

H. R. G., of Wis .- We do not know where you can ob tain, a work, such as you want for making the patterns o cog wheels.

B. A., of Wayne Co., Pa.-We think the mode of baking is new; its advantages can only be determined by experi ment. You must satisfy yourself on this head ; if found to be useful, we believe a patent can be obtained.

C. R., of N. Y.-The Brevet d'Invention is a monthly me chanical publication, printed in Paris, and the invention alluded to is public property, no patent having been taken in

this country. W. B. G., of —.-We have no doubt but you can obtain a cylinder six inches in diameter to stand a pressure of two hundred tuns ; it will require a pressure of two hundred and fifty-four pounds to thesquare inch with a velocity of one hundred and thirty feet per second.

E. T., of O — You have seen the Benzole annaratus in our columns; consult Mr. Mace, by letter. We are not practically acquainted with Aubin's Generator. It cannot, w believe, be cheaper than coal gas. We do not know whom, to refer you, for making small gas apparatus for your Insti iute. The best plan for you to heat by steam, is to convey the steam in pipes through the rooms. You must take care to allow for a return of the condensed water.

J. B. F., of Mass.-We thank you for your excellent and beautiful work on Hydraulic Experiments. We have only had time te glance over it; we will examine it more thoroughlyand give it thenotice it appears to deserve so justly. V. C., of Me.-We do not think it possible for you to ob

tain a patent on the combination described. We would not we could, for their is no earthly advantage in it. The plan inpresentuse is more simple, convenient, and effective

J. W. L. of R. L.-Yours will receive attention next J. T., of Ky.-You can have no better evidence of the de

fect in pitch of your saw, than its inability to clear itself. If your sawyer says it has pitch enough, then he should be able to tell why it does not clear itself. Practice is the true guide for the working of every saw.

J. H. S., of Pa.-If you get Bourne's Catechism of the steam engine, you will obtain all the information you want about the weight of fy wheels; also the amount of grate surface in proportion to the heating surface of the boiler. We refer you to this source because it would occupy too much space to enter into details.

Coal Cas Apparatus-E. Taylor, of College Hill, Ohio. wishes to know where he can obtain the best coal gas apparatus for making gas, for a large institution consisting of seven buildings. F. M. P., of Geo.-We think the oil advertised by Mr.

Pease, of Buffalo, N. Y., would well answer your purpose. We do not know of anything any better.

M. P., of Mich.-Coal burning locomotives are in successful operation. Dimpfel's patent is in use, and we believe Mulholland, of Reading, Pa., has some in use which resecured to him by patent. It is an important object to gained in locomotion, as wood is becoming scarce and high.

J. P. G., of Ohio-We are not able to tell you the salaries paid to the different marine engineers. Upon the Collins line the first engineer gets about \$1800 per annum.

I. H. C., of Iowa-Machines for pressing brick from the dry or common earth, are in successful use, we believe, in me parts of our country. The special objection to them we have not heard.

J. P. S., of N. Y.-Your engine is new to us, but it certainly will gain nothing in power over an engine with a fix-ed cylinder. In doubling the effective length of stroke of piston, you use just double the quantity of steam. C. M., of Pa.-Wecannot do anything with your case un-

til the model is received. R. L., of N. Y .- We have been informed that rosin

is cheaper than any other, and that it gives an excellent light, but we cannot speak of it from personal knowledge. J. C. D., of Vt .- You cannot make an application for a patent for an improvement made by one of your workmen.

The inventor must make the application.

E. T. Jr., of Va.-We cannot say what effect your device will have for propelling balloons, but we are of the opinion that it would be a waste of time and money to undertake to renderit available.

C C., of Ct.—You can get the machinery you want made

Scientific American. S., of Ind., \$10; C. R. R., of N. Y., \$30; P. S., of N. Y.

S., of Ind., \$10; C. R. R., of N. Y., \$20; P. S., of N. Y., \$20; W. M., of N. Y., \$10; J. D. B., of N. Y., \$27; S. & R., of Vt., \$25; W. P. A., of N. Y., \$25; J. S., of N. Y., \$30; J. W., of N. Y., \$25; T. S., of N. J., \$25; J. S., of N. Y., \$25. Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office, on Monday. the 25th of June next, at 12 following initials have been forwarded to the Patent Office, on Monday. the 25th of June next, at 12 of our gradered that the said petition ought and the week ending Saturday, March 31: J. S., of Mass.; J. & W. L., of Ind.; G. A. M., of N. Y.; P. B., of Ct.; R. H. G., of N. Y.; C. W. F., of Ct.; J. Y. S., of Pa.; J. H. T., of N. J.; J. W., of N. Y.; J. W., of M. Y.; I. F. W., of N. Y.; S. M., of Ill.; W. A., of Mass.; K. K., of N. Y.; W. P. A., of N. Y.; S. & R., N. Y.; J. S., of N. Y.; T. S., of N. Y.; J. H. K., of N. Y.; J. S., of N. Y.; T. S., of N. Y.; S. & R., N. Y.; J. S., of N. Y.; T. S., of N. Y.; S. & R., N. Y.; J. S., of N. Y.; T. S., of N. Y.; S. & R., N. Y.; J. S., of N. Y.; T. S., of N. Y.; J. H. K., of N. Y.; J. S., of N. Y.; T. S., of N. Y.; S. & R., N. Y.; J. S., of N. Y.; T. S., of N. Y.; S. & R., N. Y.; J. S., of N. Y.; T. S., of N. Y.; S. & R., N. Y.; J. S., of N. Y.; T. S., of N. Y.; S. & R., N. Y.; J. S., of N. Y.; T. S., of N. Y.; S. & R., N. Y.; J. S., of N. Y.; T. S., of N. Y.; J. H. K., N. Y.; J. S., of N. Y.; T. S., of N. Y.; J. H. K., N. Y.; J. S., of N. Y.; T. S., of N. Y.; S. & R., N. Y.; J. S., of N. Y.; T. S. & Ch., N. Y.; J. S., of N. Y.; T. S. & Ch., N. Y.; J. S., of N. Y.; T. S. & Ch., N. Y.; J. S., of N. Y.; T. S., of N. Y.; S. & R., N. Y.; J. S., of N. Y.; T. S. & Ch., of Y.; S. & R., N. Y.; J. S., of N. Y.; T. S. & Ch., of Y.; S. & R., N. Y.; J. S., of N. Y.; T. S. & Ch., of Y.; S. & R., N. Y.; J. S., of N. Y.; T. S. & Ch., of Y.; S. & R., N. Y.; J. S., of N. Y.; T. S. & Ch., of Y.; S. & R., of Y.; S. & R., of Y.; Y. Y. S. & R., of Y.; Y. Y. & S. & R., of Y.; Y. Y. & S. & R., Ky.; G. R., of Mass., (2 cases); A. S., of Pa.; L. L., of Mass.; K. K., of N. Y.; W. P. A., of N. Y.; J. H. K., of N. Y.; J. S., of N. Y.; T. D. B., of N. Y.; S. & R., of Vt

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