TO CORRESPONDENTS.

"J. B. Esq. of Norfolk, Va."-Your package of papers were sent per Schooner Frank last Friday week.

"H. B. G. of Pa."-We could not comply with your request nor procure the article you desired in so small a quantity as you or. dered, so we enclosed the money in a letter and sent it back about two weeks ago.

" B. J. of Va."-We cannot furnish you with that number of vol. 1, which you desire. "D. B. of Mich."-You can be furnished with vol. 2 complete, but the first volume

cannot be had. "H. D. N. of Mass."-We think there is some novelty in your invention and we should like to publish a drawing of it. Please send a model to us or a perspective drawing and enclose \$5 with it, and we will get it engraved and publish it. The block engraving will afterwards be yours.

" J. J. of Me."-We shall probably be able to furnish any number of one horse power engines, boilers and all, for the low price of \$100 in the course of three or four weeks.

" M. P. of N. Y."-We are well aware that the double guage is not new, but as regards the practicability of it, if we are to believe late accounts from England, all doubt is at an end. Mr. Wallace, we believe is an English C. E , and we think he is not, as you have observed, the original and first inventor of that system, although there may be some novelty in his plan that is unknown to us and has not been explained. This has been our •pinion.

" J. B. of Mass."-You are correct in regard to the pressure of the air at the lower end of the pipe, but could it not be doubled and the other end united with the first pipe with a valve opening into it, and in this manner get the whole weight of the columns of air to assist the pump. Condensed air becomes hot, or rather gives out its heat and as it expands absorbs it.

"J. M. of N. Y."-Copal varnish is the best we know of for your purpose. Either muriatic or nitric acid will give tooth to the copper, but they must be very much diluted with water, and very great care exercised in its use

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