### TO CORRESPONDENTS.

"M. P., of Pa."-The Rule for finding the weight of a fly wheel is, to multiply the horpower of the engine by 2000, and divide by the square of the velocity of the circumfe rence of the wheel. You can easily calculate from this, but do not suppose that there is any power gained by a fly wheel-its object and office is different from this.

"G. A. S. of N. Y."-The fault is not in the Patent office, no doubt full justice was done to your claims. The great trouble was the lack of novelty in your invention, and you should have taken the advice in the matter as being correct.

"J. W. C. of Ind "-Your communication has been received, and will receive early at-

"A. J. P. of La."-It will not be possible for us to give you the advice sought for, without a better opportunity of examining into the matter. You will readily see the necessity of sending a clear drawing or model, together with a description of the invention. You are not the first inventor of machines for the purpose set forth.

"N. M. of Pa."-We know of no pump in use, superior to Mr. Kase's, for forcing water.

"T. W. L. of Mass."—The ideas you have advanced in your letter are correct, and have been illustrated in this paper, frequently during the present volume.

Your experiment can do you no harm, if a knowledge of the laws of electricity be desirable and practical information better than theoretical

"J. B. L. of Va."-We know of no mill such as you describe and should think it might be patentable Patents are granted for the United States, only.

" M. K. of N. Y."-We cannot give you the information you desire, and would advise you to write Mr. Prosser who will undoubtedly, impart the necessary information cheerfully.

"G W. of Miss."-We have examined the sketch of your lathe, and should think that it was new and patentable, and would advise you to send us a model without delay. We do not attend to the manufacture of models-all other business connected with the getting out of patents will be most promptly attended to by

"L. D. B. of Pa."-We do not consider your devise, the subject of a patent, as it is already in use, in mill wheels, &c.

"O. C. of Ill."-Your model has been received and we can discover ho patentable; combination about it, in fact there is no combination whatever,-it will be necessary for you to construct a working model illustrating fully, the principles upon which you wish to found your claims.

"Wm. F. & G. A. G. of Pa.—We think that your invention is new, from what little insight we'can get of its general arrangement, from your sketch of it, a model would be necessary, before we could give a decisive opinion upon its novelty.

"T. J. W. of Conu."-Borax has long been known as a solvent of shell lac and copal. You will be fully convinced of this, by reading any good work on chemistry.

"H. W. R., of New York."-We cannot lay our hands on the piece of infornation you want, although we have made considerable search for it; if we discover it you will see it published.

"O. H. P. W., of Ala."—We can only say this about Rich's wheel, that a gentleman who has had one in operation for two years, tells us that it is "a most excellent wheel." Mr. Rich lives in Oswego Co., N. Y. The other information we will try and get for you soon.

"G. W., of Boston."-Your model is at hand, and has been examined. We can discover no combination sufficiently new to war rant an application for Letters patent.

" R. F., of N. Y."—You are mistaken in a great measure: the author of the article you refer to, is both practical and scientific and makes engines.

"B. F. S., of Ohio."-Yours has just come to hand

"H. W. G., of N. C."-Your communication has been received. We shall endeavor to furnish the information sought for as early as poseible.

"A. T., of N. Y."-John Johnson is a swindling impostor, and deserves an uncomfortable lodge in Auburn, where he justly belongs, and should never be allowed a peep outside of its walls, unless properly secured by manacles, or deprived of what little sense he possesses. Any biped in human form that will be engaged in the contemptible business of swindling newspaper publishers, or the public, out of the paltry price of a year's subscription, deserves to be transported in chainsto that newly discovered country near the Red Sea, and be compelled to gather the poison from the "Upas." Travelling agents shall meet with a cold reception from us. We have none, and what is more we don't want

"J. A. R., of N. Y.; J. F. M., of Pa., and C. C. of N. H."-Your papers have been forwarded to the Patent Office.

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