Scientific American.

1900

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TO CORRESPONDENTS. "R. P. C. of Geo."—We are glad to hear that you have derived so much benefit from an attention of this paper. We particularly com-mend it to the attention of the young men of your place. They will find much information in its columns that will be a benefit to them in afy position. The fartherest way round is not the nearest "T. A. T., of St. Louis."—The question at issue is one of peculiar interest, and it will be necessary for us to give it an extended ex-amination. We shall communicate our views by letter in a few days. Your reasoning in the matter savors too much of bitterness OPINIONS OF THE PRESS. any position.

"J. T. of Mass."-Regarding the quantity of gas consumed per hour it depends upon the size of the burners. The common burner consumes about one cubic foot per hour, and one gallon of whale oil makes 90 cubic feet. There is however a far better apparatus than the one described, in Parnell's work-besides, the above plan contains no way of purifying.

"J. W. K. of N. H."-We published in volume 2 of the Sci. Am., the rule referred to by you. \$4 received.

"N. M., of C."-We have forwarded all the back numbers you ordered, that we had on hand. One half of a volume would be of no value to us. In regard to the fan blast, we think it always best to have it as near as possible to the cupola. Straight pipes are undoubtedly the best.

"M. J. E., of N. Y."-Your plan, as a substitute for the crank, is not new. You will find it described in Hebert's work. We do not understand your first question. What kind of a valve do you mean. There are a great number of kinds, such as ballance valves and slide valves, &c. There are some of the spring packing of iron. It answers very well, but any good steel will answer better. We like a cylinder not of too great length of stroke, but we could not say what is a long and what a short stroke. It all depends on the bore of the Mass., and W. R. C., or N. C,-Your specificylinder.

"W. F. M. of Ala."-Four numbers of Ranlett's Architect were forwarded by mail. on the 12th inst. The bound vol. 3, will be sent to Mobile by the St. John, which sails on the 17th.

"A. F. of Tenn,"-We forwarded two numbers of Ranlett's Architect on the 12th.

"H. W. P. of N. Y."-Your statement is right and compares with our books. The remaining numbers of Arnott's Architecture will be issued together, between this time and the 1st of January, and will all be forwarded at one time to the subscribers. Leonard's Principa sent by mail.

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"A.C. G., of Mass."-The case refered to by you was decided by Judge Cranch in 1846. It established the claims of Ziba Parkhurst as being the first inventor of the application of the zig-zag or pointed guard to the burring machine.

"J. C. F., of N. H."-Wrote you by letter on the 15th inst., giving our views in regard to your carriage wheel.

"B. F. R., of Ala."-The fan is preferred for the blast furnace, but we cannot tell you now where one can be obtained. We shall make enquiries and write you the full particulars sought for. We are very much hurried

the matter savors too much of bitterness against the examiners in the Patent Office .-They are not perfect however by any means. "H. D., of N. Y."-India rubber is made from distilling india rubber in a retort. A good tooth wash is a solution of borax and common salt. A little finely powdered charcoal is as good a tooth powder as you can use. It is not easy to tell which is the best linament. We could not do it-one will do well for one thing, but not for another : Opodeldoc is almost as good as any : the great secret is to use it as material to assist the hand in rub. bing the sprain, which should be done gently, patiently and often.

"H. C. G., of N. Y."-We cannot better answer your enquiry, than by giving the law in relation to models which reads thus: "Every application must be accompanied by a model, when the invention adm ts of one. It must be neatly and substantially made, of durable material, and if possible not over one cubic foot in contents. In case models are made of pine or other soft wood, they should be painted, stained or varnished. The name of the inventor (and assignee, if assigned) must be printed or engraved upon, or affixed to it, in a durable manner."

A. P. of N. Y., P. Van B., of N. Y., N. W. C., of Mieh., J. D. T., of Ct., C. & B., of cations have bean lodged in the Patent Office since our last issue.

Money received on account of Patent Office business, since Oct. 10, 1849 :---

D. T., of Mass., \$10; A. L. of Me., \$30; T. F., of Mass. \$20; A. P., of N. Y., \$20; N. & Co., \$20; G. W M., of Tenn., \$20; P. Van B., of N. Y., \$20; T. P., of N. Y., \$20; W. B., Jr., of N. J., \$30.; N. W. C., of Mich., \$25; M. F. H., of Ala., \$10; L. M. H., of Pa. \$30.

A few of our correspondents must not feel displeased, because they are not yet answered. It is not easy at all times to answer some questions and get some kinds of information. \rightarrow We take a good deal of trouble however to do these things.

We are much obliged to Geo. Gifford, Esq., of this city for a copy of the decision of Judges Nelson and Betts in the case of S.R. Parkhurst vs. Kinsman & Goddard, in relation to an agreement in the use and manufacture of the Patent Burring Machines of Parkhurst.

We have received a communication from Junius Redevivus on the Convention of Inventors at Baltimore. We will give it a place as soon as possible.

We want some grand subject in this city to make an excitement just now. If something does not come upon the carpet soon there will certainly be deaths in the editorial camp.

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