# Scientific American.

Patent fund." It was supposed at the time by the Committee on Patents, and the then Commissioner of Patents, Mr. Burke, that that sum would be sufficient to cover the amount further appropriations-this sum being used is a good treatise on the subject. up, we hope that Congress will make the appropriation at once and let the work go onthe money belongs to the inventors.

### TO CORRESPONDENTS.

"Subscriber."-We published Roche's Receipt for baking, in Vol. 4, and spoke of it as you now do, at the time.

"J. C., of Baltimore."-It may be as well for you to wait until we get through with our furnished to subscribers. history of Propellers. An oblique paddle is to be found patented by a Mr. Biron, in 1844.-You are right about improvements-we are not hope to hear from you regarding them. at the end. We like every correspondent to state clearly the object he designs to accomplish by his invention.

"E.S.H., of N.C."-We could not tell you about the price of the Sewing Machine to which you refer, (Wilson's.) It would no by you. Mr. Wilson resides in North Adams, Mass.

Your idea about the Re-action Water Wheel is made to work. just and correct, but is understood by Mr. Parfluid are original to us.

"J. B., of Ind."-The part about the saw seen the ones you allude to in operation. Your idea about the Queen's Ware is correct, but it 5, Sci. Am., to any other.

"C. B. H., of N. Y."-Your manner of constructing and combining the boiler, with the engine, to render it portable, appears to us to be new and useful; we know of no other having been constructed like it. We are of opinion and lifting pump would cost about \$6, and that it is patentable.

will, on a 30 feet diameter overshot, give thirteen and a little more than a half horse power. Forthe purpose you desire, you cannot do with less than 14 cubic feet per second.

"J. K., of Pa."-Mr. Bishop, of Ovid, N. Y., patented a wheel which has two sets of buckets, to act as percussion and re-action, but cient for all purposes of speed, comfort, &c. they are placed above one another, and do not discharge at the centre, like yours, but as there a patent could be secured.

"F. G. W., of Mass."-You will see that the answer has been given about the crank. "J. A. G., of N. H."-The idea, but not novel combination. the same way of carrying it out, has been presented to us before. We are of opinion that the plan would be difficult to carry out.

"J. M. H., of N. Y."-Your plan for the cider press could not be patented, because the same arrangement is used for like purposes in other kinds of presses.

could be refused a patent, for your idea is new, same also for yourself. and it certainly is useful-the two essentials.

or boring wells, and will soon publish an ad-ertisement. We could not give you the exact in good time, condition etc. "E. C. J., of Mass."—We believe that a a ent was applied for the same kind of ventivertisement. We could not give you the exact in good time, condition etc. information. We do not think he has applied. | "H. V., of N. Y."-If we hear of any such pa ent was applied for the same kind of venti- sent, we will inform you.

fifty thousand dollars, to be paid out of the lator, about ten years ago. We saw the model and are sure that the ideas embraced were you have discovered any new principle in atthe same as yours. We advise you not to mospheric churns. The same dash has been spend any money on a patent.

of work which could be done by the next ses- Journal copied it from the Century of Invension, when Congress would of course make tions. We shall refer to the work where there

> untenable; instead of gaining power by such in a few days. a device there will be a serious loss. Experiments have demonstrated this point fully.

the 13th ult., we are sorry to say that Nos. 1 | examining one of them in operation. The comand 2, of Vol. 4, cannot be furnished ; we have bination is new to us; our curiosity is aroused been out of these numbers for a long time. in some measure to learn the result of your ex-We make no charge for missing numbers when

"S. H. J., of Mass."-We trust you may realize good results from your experiments, and

"H. D. S., of N. J."--Is informed that his fore expressing an opinion. pian for a city railway is not new : Mr. Meigs exhibited the same plan before the N.Y. Legislature at Albany, in 1840, since that time containing the same principles see No. 36 Vol.

we have heard nothing of it. "W. N., of Ill."-An engine of 8 horse doubt answer well for the purpose mentioned power, complete, with cylinder boiler, willcost M. S., of Ohio; G. K., of Pa.; J. A. C., of you about \$800. \$1 received and credited.

"E.V., of N. H."-The principles of your "J. A. F., of Ala."-Your idea is correct rotary are well understood by us, but they are about the rifle, only you must take into consi- not new. Some time last year a gentleman deration the whole weight of the rifle. The from New Jersey exhibited a drawing to us emprinciples are clearly illustrated and explained embracing the same ideas, and nearly the same in the work on Mechanics, published by the : in mechanical construction. We had no great Society for the Diffusion of Useful Knowledge. confidence in its success, although it may be

"J. C. of Ky."-Mr. E. Barlow, of Marietker. Your views about the tube and elastic 'ta, Ohio, did obtain a patent for a pump on the 20th of Feb., 1848. Cannot now say whether such a gas as you speak of has been patented mills should have read "like ours." We have or not. Our opinion is that it has not. \$2 received.

"F. H., of Boston."-We do not know that would never do, you see, to sell it as "King's | any varnish has ever been made, such as you Ware." We have seen the hydraulic blow- speak of, to resist 200° degrees of heat; but pipe, but prefer the one that is in No. 3, Vol. should think that alum mixed with copal varnish could answer-phosphate of magnesia ought also to be good-both substances are good non-conductors, but of the two we should prefer alum, as it is more transparent.

"J. H. H., of Ala."-A small sized force lead pipe 20 cts. per foot. The smallest size "J. P., of Ct."-Six cubic feet per second made by B., are worth \$25. We have sent you the back numbers called for.

> "D. W. E., of N. Y."-The buckets of Mr. M.'s wheels were not governed by a rack and pinion, but changed their position by their

> own weight. There would be many objections to laying rails ten feet apart-six feet is suffi-

"A. W. D., of Ct."-Your plans for a horse power is very simple and practicable-but very are 30 patents on such wheels, it is doubtful if old, no patent could be obtained for it; the only point of difference between yours andmany others, is simply the application of the extra wheel and a change in form, showing no

> "J. L. of Ill."-Your favor was very acceptable; accept many thanks for the same Each subscriber has been entered as you re-

quest. "S. J. L., of Ala."-We cannot furnish Vol. 3 of the Sci. Am., sorry to say so. Please

thank the Editor of the Monitor, for his inte-"A. G., of Ohio."-We do not see how you rest in circulating our Journal-accept the "N. A., of Me."-If you have a new im-

No. 71 Cedar street, N. Y., has an apparatus enclosed them in two separate parcels, 5 numfor boring wells, and will soon publish an ad- bers in each, and hope you will receive them

shown us within a few weeks, independant of "Mattewan."-You are right-the Franklin this, the modifications are not patentable as we view them.

sent from this office and will be enclosed with "A. C. J., of Me."-Your proposition is the club, when received, which we hope will be

opinion in relation to the practicability of your "F. K. B., of Ill "-In answer to yours of perpetual motion without the opportunity of periments although we have little confidence in such contrivances.

> "H. K., of R. I."-We cannot bject to your views in reference to "Alarms," but should like to hear the result of your experiments be-

"D. G. S., of Pa."-The drawing of your Paddle Wheel has been examined. For one 4, "Sci. Am.," page 284.

H. T. B., of St. Louis ; W. T. C., of N. C. Pa.; W. D. M., of Miss.; M. L. S., of Pa.-Shall write you as soon as possible.

Money received on account of Patent Office business, since Dec. 27, 1849 :-

S. K. G., of N. Y. \$30; T. J., of Mass., \$30; F. H. C., and others, of Me., \$50; G. S., of Pa., \$35; N. S. T., of N. J., \$26; R. N. G., of Ill., \$30; F. H. T., of Texas, \$70, and 3 oz. of Gold Dust from F. G. U. H., of San Francisco-value \$48.

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and it certainly is useful—the two essentials "N. A., of Me."—If you have a new im-requisite to secure a patent. "M. S., of Ohio."—We have examined plication for Letters Patent instead of apply-your pump and our opinion is not favorable. In all cases we have never seen cog and rack gearing operate well in pumps. "D. U., of Pa."—We are afraid that no patent except for an improvement on Lull's, could be granted, and then you could not use it except with the consent of the original pa-tentee. "D. Regr., of Pa."—Mr. Charles Pontez, of To. Regr., of Pa."—Mr. Charles Pontez, of ate attention. 16 3\*

28Plattstreet. New York. m1

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"J. J., of N. Y."—It does not appear that rou have discovered any new principle in at-mospheric churns. The same dash has been shown us within a few weeks, independant of his, the modifications are not patentable as we view them. "J. S. D., of N. H."—Your Sci. Am., is sent from this office and will be enclosed with the club, when received, which we hope will be n a few days. "W. B., of Mass."—We cannot express an opinion in relation to the practicability of your

THE PHRENOLOGICAL JOURNAL.-This Journal is a monthly publication, contain-ing thirty-six octavo pages, at One Dollar a year, in advance. To reform and perfect ourselves and our race is the most exalted of all works. To do this we must understand the human constitution. This, Phre-nology, Physiology, and Vital Magnetism embrace, and hence fully expound all the laws of our being, conditions of happiness, and causes of missery. PHRENOLOGY.-Each number will contain either the analysis and location of some phrenological facul-ty, illustrated by an engraving, or an article on their combinations; also the organization and character of some distinguished personage, accompaide by a like-ness, together with frequent articles on Physiognomy. Published by FOWLERS & WELLS. Clinton Hall, 129 and 131 Nassau-st., N. Y. 11 2m

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