fifty thousand dollars，to be paid out of the 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 of work which could be done by the next ses sion，when Congress would of course make further appropriations－this sum being used up，we hope that Congress will make the ap propriation at once and let the work go on－ the money belongs to the inventors．

## TO CORRESPONDENTS．

＂Subscriber．＂－We published Roche＇s Re－ ceipt for baking，in V•l．4，and spoke of it as you now do，at the time
＂J．C．，of Baltimore．＂－It may be as well for you to wail until we get through with our 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 at the end．We like every correspondent to state clearly the object he designs to accom plish 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 doubt answer well for the purpose mentioned by you．Mr．Wilson resides in North Adams， Mass．
＂J．A．F．，of Ala．＂－Your idea is correct about the riffe，only you must take into consi deration the whole weight of the rifie．The principles are clearly illustrated and explaine in the work on Mechanics，published by the Society for the Diffusion of Useful Knowledge Your idea about the Re－action Water Wheel is just and correct，but is understood by Mr．Par－ ker．Your views about the tube and elastic fluid are original to us．
＂J．B．，of Ind．＂—The part about the saw mills should have read＂like ours．＂We have seen the ones you allude to in operation．Your idea about the Queen＇s Ware is correct，but it would never do，you see，to sell it as＂King＇s Ware．＂We have seen the hydraulic blow 5，Sci．Am．，to any other
，sci．Am．，to any other ＂Coiler，with the engine，to render it portable，appears to us to be new and useful ；we know of no other hav－ ing been constructed like it．We are of opinion that it is patentable．
＂J．P．，of Ct．＂－Six cubic feet per second will，on a 30 feet diameter overshot，give thir－ teen 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 they are placed above one another，and do not discharge at the centre，like yours，but as there are 30 p atents on such wheels，it is doubtful if 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 the same way of carrying it out，has been pre sented 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．
＂A．G．，of Ohio．＂－We do not see how you could be refused a patent，for your idea is new，
and it certainly is useful－the two essentials requisite to secure a patent．

M．S．，of Ohio．＂－We have examined 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 Ponter，of No． 71 Cedar street，N．Y．，has an apparatus for boring wells，and will soon publish an ad－ vertisement．We could not give you the exact information．We do not think he has applied． ＂E．C．J．，of Mass．＂－We believe that a a ent was applied for the same kind of venti
＂J．J．，of N．Y．＂－It does not appear that you have discovered any new principle in at－
mospheric churns．The same dash has been shown us within a few weeks，independant of this，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 a few days．
W．B．，of Mass．＂－We cannot express an opinion in relation to the practicability of your perpetual motion without the opportunity of examining one of them in operation．The com－ bination is new to us；our curiosity is aroused in some measure to learn the result of your ex－ periments although we have little confidence insuchcontrivances．
＂H．K．，of R．I．＂－We cannotobject to your views in reference to＂Alarms，＂but should like to hear the result of your experiments be－ fore expressing an opinion
＂D．G．S．，of Pa．＂－＇The drawing of your Paddle Wheel has been examined．For one containing the same principles see No． 36 Vol．

Sci．Am．，＂page 284.
H．T．B．，of St．Louis ；W．T．C．，of N．C M．S．，of Ohio ；G．K．，of Pa．；J．A．C．，of 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 III．，$\$ 30 ;$ F．H．T．，of Texas，$\$ 70$ ，and 3 oz ． of Gold Dust from F．G．U．H．，of San Fran－ cisco－value $\$ 48$ ．
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