## TO CORRESPONDENTS

M．R．，of Maine．＂Wait till our history last number of the Sci．Am．，you will perceive of propellers is published，and you will see that ！that Mr．Jones was answered，in regard to his your plan is not entirely new．\＄2 rêceived．churn．You ask information and charge us WW．F．，of Boston．＂－The air chamber of for the trouble of giving it－this is not fair by the Rifle，as you remark，allowed more time ：any means．Our correspondents are requested
for the complete ignition of the powder，but to pay postage on all communications address－ for the complete ignition of the powder，but also for the purpose stated，as the priming in
the bottom of the cartridge answers the very the bottom of the cartridge answers the very purpose of the globe you speak of，it being great heat of it rarifies the air in the chamber to perform the office stated．Thereason of the cannon ball rising after leaving the gun，is not owing to the cause you state．The reason is， that the range of vision must be elevated ac－ cording to the distance from the mark，al－ though the cannon and mark，may be on the same level ；stand by thesea shore and try the experiment．
＂J．A．R．，of Pa．＂－Do not know of a re－ liable work upon the subject referred to in your communication of the 5 th inst．
＂N．F．E．，of Vt．＂一We have not been able to learn whether the＂Pegging Machines＂work well or not．We think Mr．J．Robin
Lawrence，Mass．，has a patent for one． Lawrence，Mass．，has a patent for one
＂A．G．．of Ind．＂－We do not see how such a claim could have been granted，as the prin－ ciple appears common，and in extensive use． Upon due consideration we are of the opinion that you cannot obtain a patent for the grate and inclined board，as it appears to be the sub－ stitution of one common device for another． It we misunderstand your views you had bet－ tor forward a drawing described by letters of reference．We do not countenance any tempts to infringe a patentee＇s just rights．
＂J．S．P．，of Geo．＂－Your request must have been overlooked．If you have any infor－ mation to ask，you are at liberty to do
＂J．F．B．，of Louisville．＂－We are informed by the publisher of＂Chapman＇s Drawing Book，＂that Part 4 will not be issued untillate in the Spring．We have given you credit for $\$ 1$ ，and will send it as soon as issued．The Camera was shipped on the 11 th inst．，by Ex－ press，－and your name entered for one year＇s
subscription．
＂A．S．，of N．Y．＂－We are so much hur－ ried with business that we cannot undertake your case．You had better accept of the claim suggested by the Patent Office，it will save you much trouble，and we think it sufficiently strong
＂C．S．H．，of Pa．＂一We shall retain your bridle bits until your order－do not know any thing against the A．U．，at present，but you may rest assured that if we discover foul play they will hear from us．No． 48 sent．
＇J．B．W．，of N．C．＂一We do not think your plan for preventing boiler explosions to be new．By reference to Lyman＇s Safety Guage you will find that he employs glass tubes in which the mercury rises．It would make no difference whether the tubes were made to con－ vey water or mercury．In this case they are employed for the same purpose．
＂E．M．，of Ind．＂一You can obtain a patent just as soon by staying at home，and it would save you much expense．By sending a draw－ ing and full description，we can advise you in regard to its novelty $\$ 2$ received
＂A．P．K．，of R．I．＂－Neither the top nor botton can be said to move one point faster than the other，the whole circumferance moves in unison．
＂E．V．，of Geo．＂－Minifies Drawing Book was forwarded on the 12 th inst．The sliding scale is worth $\$ 2$ ．
＂F．S．T．，of N．H．＂－All that you need do nowin order to make a fortune out of your inven－ tion，is to．get the machine before the public． An engraving in the Sci．Am．，would reach 25,000 at least，half of whom the invention would particularly interest．An engraving we will prepare and publish for the paltry sum of $\$ 8$ ，and we will warrant it to bring you 50 persons at least，who will willingly pay you a reasonable sum for all the the teritory you hav to dispose of．
＂G．Vt．，of N．Y．＂－It would be a long job to give you a full description of the various wind mills in use．Should be glad to do so but cunnot spase the time．

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The specifications and drawings of your veral inventions have been forwarded to the Patent Office since our last issue．
Money received on account of Patent Office usiness，since Jan．7， 1850 ：－
O．W．S．，of Conn．，\＄20；A．L．，of Me ．，$\$ 20$ ； T．\＆Co．，of N．Y．，今si：S．H．S．，of O．，$\$ 30$ ； A．O．，of N．Y．，$\$ 30$ ；C．N．S．，of Va．，$\$ 47$ ； and W．F．P．，of Mass．，$\$ 30$ ．
altivatlon of the Catior Bean in Ohio A company of manufactures have recently put up a castor oil mill in Cincinnati，Ohio， and in order to encourage the growth of the cas－ tor bean in that State，propose to furnish all farmers wishing to cultivate them with seed， and contract with them for all they raise，a the market price．The present price is $\$ 2$ a bushel．The bean is planted＇rnd cultivated the same as Indian corn，and will produoe from 30 to 50 bushels an acre．The market is now sur
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perior contempt．Another bear was seen to slide on his haunches down a cliff of seven hun－ dred feet high，steadying himself with his fore paws
said．

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