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N．R．，of N．Y．－The irregularity of your lines is proba－ bly owing to the albs of your rullngpen being too dexible，in which case if sou pressit ha：deragainst some portions of，your T－square or fuler than against others，the nibs will be compressed closer in some parts of the line than others．It may be however that your pen is too sharp and cuts the paper．For shadhg，you ihould have swo brushes at opposite ends of the same stick，a sorter one of ablo dipped nut street．Philadelphia，will furnish you with a book on drawlag wblch will give you all the information you require．
T．W．，of Mass．－To ascertain the specific gravity of a pleos of metal，suspend the piece below one scale of a balance by a loe fla ment of raw sllk，and welgh it．Then lower the balance so Dindethe wols and the quotisent is the specificgravity．The water must be pure．
B．B．B．，of Wis．－Address H．C．Baird， 406 Walnut atreet，Falladelphla，for a work on goars，
J．B．C．，of Colorado．－It is not probable that your lead sent us contains any gold，or enough silver to pay for extracting You cal haven analyzed for sio，t you wish tolncar that expense G．W．G．，of Malne．－We see no ground for your hy pothogla that the force necessary to overcome in obtalning speed
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