## Conrespondents

R. H., of Me.--It is not new to insert the pl
level in a try-square
level in a try-square. It has been done before.
w. . . H., of Texas.-We are not acquaninted with Professor Forshey's paper on Texan northers, but if you can give us any particulars of it, with your own re-
marks, we shall be happy to receive them, as we should like some information on the subject.
disped in the fort thatt a line disposed in the form
than any other form.
B. F. W., of Ga.-Writing machines have long been talked and thought of, and a patent was taken out a
few weeks ago fora key printing machine, which would ncarly answer your description and ideas.
J. T., of Texas.-The idea you suggest J. T., of Texas.-The idea you suggest of throwing a jet of stcam direct from the boiler into a casing around
the barrel of the locomotive pump, so as to prevent the barrel of the locomotive pump, so as to prevent
freczing, is not new. The same thing has been proposed to us betore.
S. W. R.. of Vt.-The advantage of what is termed "superheating" steam, that is to say, heating it after it has left the boller, when only carried out to such a degrec as to vaporize all the globules of water which it ha
carried with it from the boiler, and thus render it an hydrous is universally conceded. Many arrangements of superheating pipes have been employed for this purpose, sometimes in the main fire-box and sometimes in
the flues or chimncy; but there has been a greatdiff the fues or chimncy; but there has been a great diffi-
culty in controlling the temperature of the guperne culty in controlling the temperature of the superheat
ing pipes, so that they should neither burn the stcam to be superheated to excess, both of which re-
suluts are very
likely the main fire-box. If you can arrange your pipes in such a manner as to guard against their being over-
heated, you will obtain a considerable advantage by "super heating."
J. M. T., of Ind.-We are obliged to inform you that provernent in water wheels.
F. O. B., of Wis.-If you could refer to any engrav.ings which have appeared in our columns for the last
six years which are as poorly executed as yours, you might have reason to complain at our rejecting your cuis; but we wish you, and all others who desire us to
illastrate their inventions in our columns, to und illustrate their inventions in our columns, to under-
stand that we keep designers and engravers for the cxpress purpose of getting up the engravings for our piper, and so long as we charge no more than other engruvers for doing the work, we prefer to have it done
under our supervision. No onc has cause to demur at under our supervision. No onc
what you term " fastidiousness
H. R., of N. Y.-A cable like the Atlantic one would popular fallacy.
M. A. J., of Pa.-We do not know of any book in which you will find theinformation you wish, but we can tell you that transparent colors are usually made of what are called silica colors
varnish in the ordinary way.
J. P., of Wis.-Your invention is almost similar one which we have described in a previous number of
the ScIENTIFIC Amerras, and in our opinion is no pa tentable, there being no novelty in fioating buoys at tached to ships.
C. A. II., of Mich. -It is impossille to execute memodel is preferable to drawings to get up engravings model is preferable to drawings to get up engravings
from. It enables us, in describing the invention, to better understand the advantages and operation of the machine.
David Sexton, of Wytheville, Va., wishes to purchase one of Norton \& Owen's double-cylindered bark mills.
T. W. B., of Ohio.-Your communication has been reccived, and we are sorry to say it is too abstract for received, and we are sorry
the generality of our readers.
M. A., of Ind.-The simplest way to increase your
draft would be to add a fev feet to the hight of the draft would be to add a ferv feet to the hight of the
chimney. We cannot tell you whether a saving of fuel chimney. We cannot tell you whether a saving of fuel
would be effected by such increase. Too strong a draft is not economical, as it causes too much heat to escape perfect combustionresults, also in loss.
D. A. B., of Ala.-Wethink a gun constructed as you
propose would be very liable to burst unless you used propose would be very liable to burst unless you used
an exceedingly short barrel. A sudden or percussive force is not the most effective in throwing projectiles. It is by reason of its very sudden combustion that gun cotton is not so effective as gunpowder in throwing a cannot see that you would gain any advantage over cannot see that you would gain any advantage over
Barker's mill by your spiral tube. The reaction would be in proportion to the fallonly.
E. W. P., of Masss - Your
E. W. P., of Mass.-Your communication on the
manufacture of oil of vitriol very correctly details the manufacture of oil of vitriol very correctly details the
method practised twenty years ago ; but our article is a method practised twenty years ago; but our article is a
description of the method pursued $t o$-day, and was written by an analytical chemist who is practically acquainted with the rresent method.
J. R., of N. O.-Your remittance J. R., of N. O.-Your re
model was duly received.
model was duly received. W. A. McC., of Pa -The best method of freeing coal
from sulphur in the coking process is to coke in close from sulphur in the coking process is on coke in close
ovens, and if the whole of the sulphur is not then frecd, have a small hole and sliding shutter in the door to admit a small quantity of air and occasionally let some in. Coke slow, and we think you will get rid of it. Send us a description of your process, and also that of making crude oil, and we will further advise you.
L. S., of N. O. There have been a
patents issued for machines capable of sawing two sides of tapering slabs for monuments.
T. C., of N. Y.-Your idea of the gyroscope is truer
than many we have seen, but twe have given up calling the attention of our readers to it, asits novelty is gone.
E. F., of Ct.-There is no truly valuable work on
pumps, valves, hydrostatic presses, \&c. Ewbank's Hy-
draulics is a good general history on the subject of draulics is a good general history on the subject of hydraulics, and such subjectsas are collateralto it.
W. F. M., of Md.-We think you can procure Procity. You can pursue a course of study on civil en gineering at the Polytechnic College, Philadelphia, J. J., of N. Y.-The putty used by gilders is com-
posed of whiting and size. You must find the propor tions to suit yoursclf, as cach frame maker uses it differently.
F. W., of Mass.-It is a burning shame that the Com missioner of Patents should have the disposal of so small The Patent Office should have the distribution of three fourths of the number issued, for it has a complete register of the names of all parties entitled to them but, under the present system of distribution, tife mem
bers of Congress have a large proportion of the Patent Reports, and, of course, they distribute them among a class of their constituents who have the most influence at the polls. The mechanic and the inventor are not usually of that class. We would recommend you and thers to ask the member of Congress from your re pective district to send you the Commissioner of sentatives of their districts, they will not refuseto re spond to the request. The Commissioner has mor orders for them than he can fill.
W. C. J., of Kenwood.-Smith Beers, of Nangatuck C't., has a patent for an odometer which we believe to be a good one.
H. H., of Pa.-The best wood is mahogany, next to that, soft pine. Shellac varnish will answer your pur
pose. To apply emery to a rifie, you had better use pose. To apply emery to a rifie, you had better
weak solution of glue, and dust the emery on.

Money received at the Scientific American Office on
account of Patent Office business, tor the week ending Saturday, November 7,1857
M. T., of N. Y., $\$ 30$; J. II., of Ind., $\$ 30$; J. ©. S., of
Vt., $\$ 25$; R. L., of VVis. $\$ 30$;
 Conn., $\$ 30$; A. A. N., of III., $\$ 22$; E. A. C., of Conn.
$\$ 55$; J. H. H., of Pa., $\$ 30$; W. McK., of Cal., $\$ 45$. T. V., of Cal., $\$ 10$; G. H. W., of Wis., $\$ 693$; E. E., of Ill J. of Mich., $\$ 10$; W. B., of N. Y.. $\$ 575$; W..A. Y., o
N.C. $\$ 55$ N. R. A., of N. Y., $\$ 30$ H. H. of N.Y. \$30; W. C. W., of N. Y., $\$ 119$; J. C. S., of Mass., $\$ 155$. Specifications and drawings belonging to parties with the following initials have been forwarded to the Put ent Office during the week ending Saturday, Novem
J. D. S., of Vt.: J. H., of Ind. ; A. A. N., of III. ; L K., of Wio ; L. \& M., (2 Mass. ; E. A. C., of Conn.
W. C. W., of N. Y., (2 cases); J. C. S., of Mass,

## Literary Notices.

 a re-issuc of a work called the " Annual Recister.' and
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with with 440 engravings. Most of the new and usful im
plements used in cultivation or gathering the ruitito
隹 phementh find a place,and it is a a nice and valuab
tor the farmer or any one living in thecountry.
 telligence and matters of interest to the commercial
man, while one of its most valuable features is its nautiman, while one of its most valuable features is its n auti-
cal intelligigence, which is an item not found in any othc
periodical.

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the certainty of getting the paperregularly. the certainty of getting the paper regularly. A single
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