## Scientific American.


J. B. B., of Fla -Theruston the interior of your iro pipes may look very formidable, but it cannot in an Oxyds of iron are innoxious-in fact, nearly all the virtues pertaining to mineral springsare due to iron in the
water. Lead oxyds are poisonous, and if. as we some what dubt, it is cumasn for water to become impres
nated with lead from pipes, lead is highly nated with lead from pipes, lead is highly objectionable.
W.C., of 111 -Exhauit steam from an engine may b used to advantage in steaming timber, whether the object
be to render the same tem porarily flexible or rapidly season and kiln dry it. No peculiar ar to morature is
required further thai to fur the steam from the opposite end of the box or cham.
ber fiom which it isrece C. S. G, oi 3. C.-Cereived
C. S., of N. Y. -There is nothing new in the applica tion of a governor to control a single valve to vary the
cut.off $W$ o have seen a common slide val in that way by more than one contrivance. There is invention D. R.,.ofN. C.-Your almanac is undoubtedly correct, and the rule given in Hatwell must con
sidered only approximately accurate.
of ky, -We know no means of making elastic tubing periectly gas tight. We use such a tube in our
office t o supply a morable burner, but it leaks sufficien to produce a strong smell or gas at times.
G. P. of Va You will oblige wa
your wiaeet and boats.
S. M. \& Co., of O. - Address Nich ing Engineer, Pittsburg, stating particulars.
R. L.S., ofN. Y.-Y es. The mountains even in the torrid zoneare always covered with ice and snow.
W. B., oi Masy
ing pine in imitation of black whow what is used for stainnhy pine in imitation of bla
heard of any such staining.
J. W. N
handkerchiet's is a very oid idea. We can remaps on whes our heart was made glad, twenty. fave remembers ago.
by a press nt of a cotion by a pressnt of a cotion handkerchief costing 25 cents,
w th the verses ". Mary had a little Lamb." printed
the therean in ulue
tic of the subj 11. W., of Pa.-There is nothing new in the device
you propose fur a decantec stopper. It is old and well k oown. The inquiry in regard to the blind slat we can.
not anywer without a preliming J.R.V. O., of Cal - Your plan of operation, steambuat wheels, so as to cau eo them to dip into, and
leave the water edjewise by means of a serier of cogsed gearing, would not save the waste of power again,t which
you complain you complain. The friction attendant upon this great
amount of gearing would more than counterbalance the proposed advantages. We cannot encourage you to ap. ply tor a pat ant on it.
T. B., of Ky.-We understand you to inquire whether a person who owned a right, under the originalgrant.
can re-construct a machine to take the place of one which was burned afier the patent had been extended?
We should machine until it was worn out; but if he had the old fortune to love it by worn out; but if he had the mis think, under the
former deci-ion of the United States Courts that a new machine could le built
amination of caves in the agricultural department of the
Patent office in consequence Patent Office in consequence of the absence of Chief
Exam ner Lawrence. His return will undoubtedly cause a prompt dispoyal of your case, and we hope you
wilh ooon receive your Letters Patent. E. M K.. of O.-The device you propose as a substi-
tute for the cranki is the oldest contrivañe known to us
for the purpose, and has been reinver for the purpose, and has been re-invented times almost
without number lt is wholly useless for all practical
purpose., and can no more compete with the eima purposes, and can no more compete with the simple
crank in efficiency than the feellest star can outshine the sun surfice in square inche, feet, or the like, which of covers; the square of the diameter isthe area of a square
which wou'd just enclose the said circle, and the cube is the solid contents of a box which would contain a spher of that diameter. Study any of the common books on
mathematics. The Patent Ofice Report for 1356 will probaby be out in Septemter.
L. H. M., of Ind. - What have you invented! Give us some point to aim an answer a
W. S. $G$. of $O-W e$
precisely like yours; still there iser known of a whee of novelty about it. Weighted buckets suspended as you buckets, but we have never seen the two features com.
bined. It may be a matter of some difficulty to obtain a patent for you; but if it can be shown that any specia
advan advantage resullt from the combination of these particu-
lar teatures independent of the merits of the two featitled to patent, we can get it for you.
D. W. H. of Ind.-We have read your lengthy com munication in which you describe plans for navigating
canals by steam, and for parallel railways with stationas. steam power. It is our opinion that neither of these pro
posed schemes will ever be ad, them impracticable, and sh uld advise you to confine your researches to. imple details. A complete revolu-
tion in the presentmodes of canal snd railway construction and overation, cannot meet wit
see upon more mature reflection.

Money received at the Scientific American Office Saturday.Aug. 1, $1 \div 57$ :-
 <br> \section*{} <br> \section*{}

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent
Office during the week ending Saturday, Aug. 1, 1857:Office during the week ending Saturday, Aug.1, 1857:-
J. E. of Ohio; M. B., J.. of Mass ; D.;T., of. X.
S. L. H ., of N. H. ; C. H. E., of Wis. ; R. P., of Mich.; J. L., of Wis.; N. H., of Conn.; P. S., of N.Y. i C. M. L
of N.H.; J. C., of N. Y., N. N., of Ill.; B. \& R. of N
Y.; S. L., of N. Y.; C.P. C., of Brazil; E. A., of Mass.
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transit expenses have been prepaid. By observing this rule we are able, in a great majority of cases, to pre
vent the collection panies, either through carelessness or design, often neglect to mark their paid packages, and thus, withou the receipt to confront them,they mulct their customer al
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