## Mamific Chmericat

## TO CORRESPONDENTS.

J. H. F., of Vt.-You will find Prof. Wright correct when you make eareful experiments. Not be-
ing acquainted with your plan, we could not give you an answer
J. G. J., of Ill.-It is a mistake which we have often reen made, to suppose that one part of a ma-
chinerotating, but to work in combination with chinerotating, but to work in combination with
another main part having a reciprocating motion, another main part having a reciprocating motion,
does its work quicker than a machine wholly reciprocating. Your platten has a reciprocating motion and your cylinder "cannot be made to work faste
than it. Your press, however, appears to be a goo one; but you know that many mechanical combinatiops really require experiments to determin their superiority; some combinations, however, are
so plain that we can at once point out their virtues so plain th
or defects.
A. $\mathbf{C}$, of Conn.-It is our opinion that your boiler is a good one; we judge this by your descriptionand sketch, the latter being very imperfect. A model
should be made as soon as possible. The Air Conshould be made as son as posible. The Air Con for taking up the heat rapidly; it is a bad conduc Jor.
J.P, of Miss.-Your letter asking informatio a bout Camp's invention is received, we cannot furnish any information respecting it not found in th
Sci. Am, to which you refer, therefore we have pas ed the $\$ 1$ to your credit on accoust of subscription A. W. Z, of N. Y.-For taking photographs o glass, a solution of gun cotton, called collodion, emploged.
R. M , of Me .-It is a mooted point whether ther
is such a substance as ozone in the air, or whethe
it is only oxygen modified or changed by electricity it is only oxygen modified or changed by electricity
W. B. S., of Ga.-A substitute for the American cotion gin has been attempted in the East Indies but has not succeeded. The English East India Co gin that will suit cotton grown in the East Indies, for whe
able.
R. B., of La.-A centrifugal refrigerator has bee 1ately patented in England.
R S. T, of Me -"Hydrated" signifies costaining moisture, and "anhydrated" deprived of the same
$W$ L., of N. H. - Sulphuric acid and oil of vitrio are the same.
I. M P., of Tenn.-We do not think your plan will interfere with any other in use ; so
stand it the plan seemsto
stand it the plan seemsto be good.
velty suffliently to warrant an application for velty sufflciently to warrant an application for
ters Patent. You had better send us a model.
W. McB of 0 io
W. McB., of Ohio-The sketch of your "Choi
Time Keeper" bas been carefully examined, and is Time Keeper" bas been carefully examined, and i ter. We apprehend, however, that a patent would it which is valuable as an article of merchandise. J. C. C., of Ind.-All right,
L. D H, of Vt.-We think if you should use the fire box and chimney you would infringe one of the patents issued, but perhaps not the one referred to by you.
P. B., of Schenectady-As yet we have had no ti
dings from the dings from the Patent Office, concerning your case since the papers and model were acknowledged.
Hope to hear soon: should think it was time it had been examined.
M. C. R., of Ohio-The plan you effer as a substi tute for the crank is old and useless; it has been re invented hundreds of times, and we have now in our office several models of it.
T., of N. Y.-The glass is French; we have seen
no other. Cannot you get the chemicals pure from no other. Cannot you get the chemicals pure from
E. N. Kent, in John street? We believe you can. You are right about the Hillotype, but it would not d to use such strong language as you do.
$\mathrm{J} . \mathrm{S}$, of Ky . Yours will receive its plac
H.S. H., of N. Y -When an individual advertises
the sale of a valuable invention as low as a dollar, some humbug about it, and don't like to be accessory to such schemes by inserting their advertisements
in the Scientific American. The money you sent us
is is subject to your order.
E. Van C., of Pa.-You are at liberty to introduce your invention on any of the railroads that will adopt it. Engravings of your apparatus would cost
$\$ 15$; no chargemade for publishing. $\$ 15$; no charge made for publishing. P. D., of Pa.- We have no desire to publish you
article, others beside yourself entert article, others beside yourself entertain the opi nion that light is a subtle matter, and we must say
that we have seen the subject more ingeniousl treated.
O. Y., of N. Y.-O. B. T.'s claim could not extend ciac purpon its application to the felt for the spe ciac purpose mentione
could certainly claim.
L. L. M., of N. C. -The undulatory theory, or that light moves in waves, has been very ingeniously propounded by Fresnel, a French writer on the sub
ject. ject. continued rectilinear motion may be made to produce another in any other direction, and with an other velocity.
S. W. T., of
fly wheel relatively to the other parts of the mach nery is determined for the purpose for which it is ned.
used. A., of Ala.-By the term "latent heat," is
meaut that which is insensible to the touch, or canmeaut that which is insensible to the to
not be discovered by the thermometer.
B. W. of Mass.-The theory of mechanics is
founded upon mathematical science, and consefounded upon mathematical science, and conse-
quently a knowledge of geometry is necessary to anderstand it thoroughly
likewise absorb it best.
A. M., of Miss. - Wintergreen grows abundantly in some parts of New Jersey, its extract is highly S. P., of N. Y.-We do not know of a wood. planing
machine like jours, but the same principle is em machine like yours, but the same principle is em-
raced in Eayrs' stone dressing machine published braced in Eayrs'
in our last volume.
in our last volume.
R. I., of $V$.
R. I., of Va-We do not know the plow by the ay $\$ 50$, no one who would under take it, although thow no one
many.
B. $L$.
B. L. W., of Miss.-The best writer to consult on gricultural Chemistry.
Money received on account of Patent Office busi ss for the week ending Saturday, Jan. 15
 I. H., of 0
of Mass,
Y., $\$ 35$.

Specifcations and drawings belonging to partie with the following initials have been forwarded $t$ the Patent 0 ffice during the week ending Saturday
Jan. 15:


## A Chapter of Suggestions, dec.

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