
S. N., of N. Y.-You should communicate with the Illinois Board of Agriculture in relation to the steam engine for agricultural purposes. We have no personal
iuterest in the matter. J. T., of N. Y.-The cost of small knitting machines
is about $\$ 100$. Address Geo. Whipple, No. 23 William street, this city, regarding the purchase of them. E. W., of N. Y. -The constructing of a railroad break
in the form of a shoe to be dropped in front of the wheel, for the purpose of taking the wheel from the
track and resting the weight of the car upon the shoe, is track and ring the weight of the car upon the shoe, is not new, nor has it proved practicable in operation.
C. T. H., of N. Y.-You cannot prevent the magnetic current influencing a piece of soft iron when passing
around it on a proper wire. Why do you ask such a around it on a proper wire. Why do you ask such a
question, when you can in an instant stop the magnetic action by breaking the
the battery?
J. B. M., of Me.- When you get your perpetual mo-
tion to work, we will get you a patent upon it, pay all the expenses of the application, and allow you to have the entire benefit which may be derived from the invention. We could not lay your matter before Ciongress, but perhaps the $M$. C. from your district might
favor you. tioncanbe made from wood in the same manner as it is made from coal; but it is not so good inquality as when the retorts are so made that the gas, after it is generated, is directedover a highly heated surface be-
fore it goes into the cooler. You can make verygood gas from pine wood, however, by simplyroasting the from through milk of lime and a water cooler, thence into a tight receiver for use. The apparatus is very simple.
T. M., of N. Y., inquires how far a pound of lead will
sink dropped into the sea ? sink dropped into the sea? Ans.-It will sink until it
reaches thebottom, and that distance will depend of course upon the depth of the water

Cann, formerly of Black Rock, N. T., is requestWauconda, III.
J. V. Jenkins, of Detroit, Mich., the inventor of the sheep-shearing machine, illustrated on page 129 of the present volume of the Sor. Ax., wishes to correspond
with persons who would manufacture the machine or vend territorial rights.
G. T., of -. Yours fire alarm for hotels and houses,
consisting of an inflammable cord to be easily consumed by fire to detach the spring, so as to set the alarm bell ringing, is not new. The same kind of
operation some yeary ago in our office.
S. B., of Pa.-Vulcanized india-rubber is very good for packing steam joints, but no oil must come in contact with it. If you use oil in your pipes you must em-
ploy gasket and white lead packing. Pasteboard and white lead packing for joints also answer very well.
C. . $S_{\text {, of }}$ oft-A heavy balance wheel placed in frame upon platform scales will weigh as much while in motion as when at rest, and it will also bear as heavily uyon its journal boxes when in motion as when at rest.
E. S. A., of Ill.-On page 357, Vol. 7, Sor. AM., you will find a very complete article on lithography. H. M., of Conn.-We are unacquainted with any re-
liable recipe-book relating to two such different liable recipe-book relating to two such different arts as
mixing paints and making solders. In "Ure's Dicmixing paints and making solders. In "Ure's Dic-
tionary of the Arts," you will find considerable information, such as it is, on both subjects.
H. H. P., of N. Y.-It will not affect the legality of your patent to sell machines before the patent is issued.
II. C., of Mess, - We thank you II. C., of Mass.-We thank you for the names you are always pleased when subscribers can so strongly you for your high testimonial.
A. ग. S.,
728 Chestnut strea.-Write to McAllister \& Bro, No. ing views'" for exhibition
J. A. B., of Ill--Your hoggish system of feeding hogs may be very profitable, but you must possess a stomach
of infnite endurance, if you consid er it palatable or possible.
J. R., of
the same ma. -The Chinese sugar cane is cultivated in the same manner as Indiancorn, and alcohol is distilled
from its juice or sirup in the same manner and by the same processes as it is distilled from common molasses.
J. R. S., of N. Y.-We have examined your sketch of a hot air engine, and think it will operate, and run with considerable power, if you use plenty of fuel. Ericsson ing water, at Delameter's works, this city, which are
ind the most manageable and convenient engines for the
purpose ever examined, Youl are mistaken in supposing purpose ever examined, You are mistaken in supposing
that you can gain power by contracting the hot air in your engi ue as described in your latter. There is a gain your engiae as desined from expansion, but not contraction.
obtaine
G. II., of Miss,-Your communication is very inter-
esting, but decs not throw any light esting, but dees not throw any light upon the subject of serpcat charming. The suggestions you make on the
strensth of the anecdote are good, although we think strensth of the anecdote are good, although we think
there is a bit of the "hunter" in the story. M. R. A., of La.-There are ongravings of gasworks and as to the roofing we have not any opinion for or against it, not being practically acquainted with its qualities. the proper triangular forin, and the three legs filed
round then polished and tempered like any other piece of steel.
F. D., of N. Y.-We are not acqualinted with any sub-
stance which could be used as a gubstitute for a hair
brush that cannot be acted upon by sulphuric acid.
What do you mean by "sheet links?"
Money received at the Scientific American Office on
account of Patent Saturday, March 6, 1858 :-
Saturd., of Del., $\$ 30$; A. F. R., of N. Y., $\$ 30$; C. W
H. H., of Mass. $\$ 25$; A. H. G., of Ind., $\$ 25$; B. C. V., of
Ohio, $\$ 30$; W. H. C., of IU., $\$ 30$; F. N. of N. Y., $\$ 31$ N. H. S., of III., $\$ 10 ;$ J. A. B., of La., $\$ 50 ; \mathrm{O} . \mathrm{L}$. . C., of
III., $\$ 25$; I. . J. III., \$25; I. B. J., of Cal., \$10; L. R., of Mass., \$5; A
E. L., of Pa., \$30; J. McN., of L. I., $\$ 30 ;$ W. \& B. D. M., of M., of $-\$ 20 ;$ J. C., of Ohio, $\$ 100$; J. .., of N. Y.
$\mathbf{\$ 3 0}$; J. L. R, of.
F., of $\$ 25$; O. P. S., of Maine, $\$ 25$; C. F., of N. J., $\$ 30$; O. S., of N. Y., $\$ 25$; C. M. L., of O.,
$\$ 30$; J. B. McC., of Ky., $\$ 30$; F. B., of N. Y., $\$ 15$; S D. C., of Wis., $\$ 100$; M. E., of Ohio, $\$ 25$; W. Z., of Pa
$\$ 25$; B. \& F., of N. J. $\$ 10$ B. B. B M \& G., of Pa., $\$ 30$; J. C.S., of Mass., $\$ 35$; J. F. E., $\$ 25 ;$ B. K., of Pa., $\$ 25 ;$ W. H. M., of Iowa, $\$ 30$; F. S.
of Pa., $\$ 25$ A. A., of L. I., $\$ 25$; A. \& H., of N. J., $\$ 25$ T. W., of L. I., \$25; J. McL., of N. Y., $\$ 225$.
Specifications and drawings

Specifications and dra wings belonging to parties with
the following initials ha ve been forwarded to ent Office during the week ending Saturday, Marct 6, 1858:-
A. H.- G., of Ind.; C. W. H., of Mass. ; J. B. J., of
Cal. ; A. A., of N. Y.; A. \& H., of N. J. ; W. \& B.D. of Conn. ; A. E. L., of Pa.; T. W., of L. I. ; G. T., of N. Y.; F. N., of L. I. ; I. L. R., of S. C.; J. McL., of
N. Y.; R. B., of Ohio ; M. E., of Ohio ; W. Z., of Pa. J. F. E., of Conn.; S. \& J., of Ky.; J. F. A., of N. Y.
A. \& Bro's. of Conn.; F. S., of Pa.; W. C., of Ind.

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