## additional improtements.

W. C. Banks, of Como Depot, Miss., for an Improvement in Corn Planters. Patented May 1, 1860:
 the spinis holder, r, surrounding a portion of, the seeding wheel, to
prevent the seeds froun drulping from the cells until gaid cells
'T. J. Jolly, of Olean, Ind., for an Improvement in Machines for Loading Hay. Patented June 26, 1860:


extensions.
J. S. Gwymne, of New York City (formerly of Pittsburgh, Pa.). for an Improvement in Separating Oleic and Stearic Acids. Patent dated Sept. 3, 1846:
I chun the anplication of heat through a liquid or ariform me-


J. H. B. Latrobe, of Baltimore, Md., for an Improvement in Stoves. Patent dated Sept. 5, 1846:
I claim the emplorment of a stove sulch as described so construct-
 air furuace.
designs.
Marie L. Livingston, of New York City, for a Design for a Medallion of Washington Irving.
N. S. Vedder, of Troy. N. Y., assignor to North, Chase \& North, of Philadelphia, Pal, for a Design for Stoves:

## Hiblidime

Conrespondents sending communications for publication in our columng are requested to avoid writing on both eldes of tomed to writing for the faulh thongh common to persons unaccis(especially in long articles), and, when combined with illegibility of handuriting, often causes interesting contributions to be regret fully consigned to our waste-prper basket.
C. C. D., of Ind. - Corn can be kiln dried in a very stus perior manner in a kiln eimilar to a malthouse. The fioor should be made of tiles, with the flues of the furnaces conducting the hot air ruuning underneath. Corn is often kiln-dried by steam con-
ducted throngh the grain in pipes. Mr. Bulliley, of Kalamazoo Mich., is engaged in the business of erecting steam drying kilns, and can give youany furt her information on the subject. The corn only requires to have its surplus moisture expelled, and is not roastedlke pop corn.
J. P. H., of Va.-You will find a series of articles on oilers, furnaces, and chimneys, in Vol. XIII. (old series) SaIEstific Amirican, commencing on page 334. The common rule to be observed in constructing chimneys for stationary engines is to alper hour, and 3 库 inches in hight. A chimney 80 feet in hight by this rule is suitable for burning 300 lbs of bituminous coal per hour. A chimney 100 feet in hight, and 450 squareinches area inside. will afford a good draft for your 8 by 100 feet boiler, if you muke a good thick wall, and have it plastered smoothly inside. Why do son get such a long boiter? We believe that one 30 feet in length would answersour purpose fully as well.
E. D. \& Co., of Pa. - We do not believe that glue can be manufactured economieally from old leather, because it requires a great amount of caustic alkali to remove the tannin be fore the gelatine will dissolve and become glue. The tannin can
be removed from leather by strong caustic alkalies and freqnent be removed
wazhings.
L. C. H., of Mass.-Bread raised by yeast is the best and most wholesome. If you can get a Frenchman to teach you to make bread, ynu will beat all Americans.
T. H. Mc:C., of Ill.-'The steam and water in a boiler are both of the same tempernture at all wessures. If the prespure is $6^{\prime} \mathrm{J}$ lhy. on the
D. Tr., of Pa. - Your article on flying was crowded out. H. B., of N. H.-You will find a new mode of silverplating describetl in our last issue, page 175.
H. L. P., of N. Y. -The other natural curiosities of Florida wonld be more interesting ; we haveheard enough about
J. B. C., of Tenn.-Your article does not raise a doubt In our minde in regand to birdseflying by the power of their muscles.
H. F. A. B., of Mass.- Your article was prepared ones for the printers, with to iditorial in reply, but it got positponed,
and sou have doahtiees seen the wholesubject diponseed since in and sou have doaltilees seen the wholesubject diposissed since in
our paper with a full illustration of Stevenson's wheel. Theoretically, the whole power, not half merels, can be imparted by percusgion.
J. P. M., of Ill. - We do not believe that what you call hair snakes are formed from horse hairs. In order to convince In such a manner as to leave no possibility for the reptile tótio pro-
W. B. L., of Ill.-Your engine of 14 inch stroke may be run at the rate of 172 revolutions per minute-a 400 fvot speed of piston. This is believed to be a good speed for such engines. A. P., of Ga.-We have found no difficulty in dissolving
india-rubber perfectly in refined turpentine. Cut the rubber into india-rubber perfectly in refined turpentine. Cut the rubber into
shrede, place it in the turpentine in a close vessel heated to about shreds, place it in the turpentine in a close vessel heated to about $90^{\circ}$ or $100^{\circ}$, and stir occasionally, and if the rubber is pure it will not be long befure it is perfectly dissolved.
C. K., of C. W.-We have never seen pans made of sheet iron employed for boiling down maple sap. We belleve they would soon wear out, as the sup would exert a slight, aciduSpring, is to make an metal. The best thing yon catwe, , fee long, four feet wide and one foot deep. This is the only safe way for you to proceed, and the expense will not be very great.
H. F. N., of Ohio.-Benzole will destroy the gloss of oi in painting, like turpentine, but is vers dear in comparison with turpentine in oil painting.
L. P. L., of M. H.-An inferior kind of wood may be easily made to imitate mahogany by those who are skillful in the art of staining. Common white wood is now made to resemble maple, black walnut, rosewood and mahogany, in all our cabinet manufactories. The mahogany stannis made witha strong decoction of fustic, a little redwood and logwood, mixed with some varnish.
J. S. D., ofN. J.-The teeth of saws are cut by the manufacturer with large punching machines. You will find an illustration and description of the operations on page 126, Vol XIV. (old eeries) of the Solentific Ambrican.
J. M. K., of Conn. - Warm turpentine will soften hard putts, but you will find it much easier to scrape the putty off your broken window, with a knife, than to soften it with any solvent known to us.
J. E., of N. C.-The most recently published work on dyeing in our country, you ean obtaln from J. Wiley, 56 Walker street, this city; its price is $\$ 5$.
G. H., of Summit. - Your phonometer appears to be new, and we should think a patent could be obtained for it. When you write to us again, ple se advise us in what State sou reside.
J. D., of Mass. - To enable us to judge of the probable novelty of your inventions we shall require sketches and descrip W. B., of Pa.-Your suggestion will be complied with so far as isin our power.
M. J., of Mass. - We have never been at Sevastopol but have been informed that the American company emplosed for raising the sunken vessels in that harbor. first inclose them with tarpaulins, then pump out the water; after which they are raised without much difficulty with water camels
F. B., of N. Y.-Take plaster-of paris and make it into the consistency of putty, witha strong solution of alum, and then bake it in a flrefor half an hour. When cool, reduce it to powder, then mix it to the consistency of paste with water and burr grit, to fill up the holes in sour m
H. C., of N. Y.-If the patentee to whom you refer proposes to apply for an extension of his patent, he should do so within the next two months. We are prepared to undertake the case, and will attend to it at onse. Let him send us a complete
statement of his receipts and expenditures, aleo what efforts he has put forth to introduce his invention into use. Of the value of the invention there cannot be much doubt.
O. G., of Pa.-Our pamphlet of advice to inventors contains all the information you desire about caveats. We send you one by mail, free of charge.

MONET RECEIVED
At the Scientific American Office on account of Patent Office business, for the week ending Saturdas, Sept. 8, 1850 :A. C., of Mass., $\$ 30$; I. M, of Ohio, $\$ 30$; J. H. B., of N. Y., $\$ 30$ M. A. R., of N. Y., $\$ 35$; B. F. C., of Conn., $\$ 35$; B. F. K., of R. I.,
$\$ 35$; II. B., of III., $\$ 30$; G. W. H., of Pa., $\$ 30$; S. L. B., of S. C., $\$ 35$; II. B., of Ill., $\$ 30$; G. W. H., of Pa., $\$ 30$; S. L. B., of S. C.,
$\$ 35$; W. H., of Il., $\$ 35$; D. \& W. W. B., of Iowa, $\$ 25$; W. L., of Conn., $\$ 30$; L. S. G., of Ky., $\$ 40$; G. N. C., of Conn., $\$ 30$; J. E. S. of Maine, $\$ 32$; I. W. E., of Mich., $\$ 30$; J. Y., of Ohio, $\$ 30$; C. W S., of Ala., $\$ 30$; J. II. B., of Ohio, $\$ 30$; D. D., of Pa., $\$ 30$; J. H
B. S., of Ga. $\$ 30:$ J. F. E. B. S., of Ga, $\$ 30:$ J. F. E., of N. Y., $\$ 30$; W. H. S., of N. Y., $\$ 25$;
O. B. I., of N. Y., $\$ 30$; D. E. T., of N. Y., $\$ 30$; G. P. R., of Mass., $\$ 35$; G. J. C., of Vt., $\$ 35$; C. C. S., of Fla., $\$ 30$; J. S. N., of Cal. Conn., $\$ 380$; C. W. F., of II., $\$ 30$; J. R., of Mase, $\$ 30$; J. M., of Maine, $\$$ 55 ; T. J. W., of Conn., $\$ 30$; J. T. M., of Ill., $\$ 20$; H. W. of N. J., $\$ 30$; G. C. A., of Ky., $\$ 35$; H. C., of Conn., $\$ 30$; E.. S., of N. Y. $\$ 25$; D. A. P., of Ind., $\$ 35$; C. A. W., of N. J., $\$ 30$; D. M.
of N. Y., $\$ 30$; J. E. A., of III., $\$ 35$; E. R. P., of N. Y., $\$ 30:$ J. IH., of Ind., $\$ 30$; D. F. E., of Mass., $\$ 3 \mathrm{n}$; J. \& D., of P:., $\$ 50$; J. C., of Iowa, $\$ 35$; J. L. G., of Ga., $\$ 5$; P. D. V., of N. Y., $\$ 10$; W. H. T.
 W. G., of Mass., $\$ 50$; G. W. R., of N. Y., $\$ 30$; S. C. S., of N. Y
$\$ 30$; U. B., of Mase., $\$ 30$; T. M. T., of Olio, $\$ 35$; M. \& S., of Ga $\$ 40$; I. N. Y., of Ind., \$15; E. T., of Maine, \$2̄̈ ; J. \& E., of III. $\$ 40$;
$\$ 25$.

Specifications; drawings âtud models belonging to paries with the following initials have been forwarded to the Patent Office during the week ending Saturday, Sept. 8. $1860:$-m
 C. C., of N. Y., of Maine : J. J. B., of M., of N. Y.; G. G., of N.
S.
G. J. C., of Tt.; A. K., o Whe.: 6. P. R., of Mase.; G. O. G., of N. Y.; H. L. N., of N. Y..
J. \& D.; of P. ( $\frac{1}{\text { caber) ; J. L. G., of Ga.; D. F. E., of Mass.; }}$ G. D. W., of Mich.: J. C., of S. C.; P. D. V., of N. Y.; D. A. B., A. P., of Ind.; B. F. C.. of Conn.; E. S., nf N. Y.; C. S. S., of N. B., of N. Y., (2 cases) ; J. N. Y., of Ind.; E. R. P., of N.; Y.; W. H. S. of N. Y.; J. \& E., of IL.; D. H. of N. Y.; S. H. \& M. C.
W., of Mase.; J. E. A. of III.

NEW BOOKS AND PERIODICALS RECEIVED The London Quarterly Review, for July; re-
 ave been on issued with euch regillarity that the annoulcemen of their isue has become almost unecensary, as readers know con-
fidently when to expect thiem. The following is an alvotract of the
present number of the "London Quarterly
and the London Poor; II. Joseph Scaliger;" III. Workmening Link and the Loddon Poor; II, Joseph Scaliger; III. Workmen's Eain
ings and Savins; $1 V$. The Cale and South Africa; V. Arr Schet
fers; VI. Stonelenge; VII. Darwin's Oritin of Species; VIII. The
 Atlantic Monthly ; published by Ticknor \& Fields, Souton. Mass.
By mising the July and August numbers of the "Atlantic," we
lost our interest in the "Professirs Story;" nud consequently fiud
the September number rather dull. Revue Universelle des Mines, de la Métallurgie, des Travaux Publics, des Sclencese et des Arts appliqués á Lludns-
trie; soun la direction de M. Ch. De Cuyper, Protessurordi naire a la Fuculté der
 Our correspon Our correspondent who was so anxious to find an article in this
aluable periodical, froman extract which he saw in the ScIENTIFte AMRRIoAN, will doubtless be able to procure the desired number of . Batssange \& So
What may be Learned from a Tree; by Har-
land Cultas. Published by D. appleton \& Con land Coultas. Published by D. Appleton \& Cio, Neiv York.
The traveler, in his journey, experiences an exquisite sensation of pleasure, whien, unexpectedty some scene of silipassing beauty of narrow defile. It is all oue where the scene is found; the sen
 title, Mr. Coultas has given to science a useful production, and to
literature an elegant entertainment. He is the author of eeveral
works on botany, but this one he estems the moot highly. A tree is hissubject, and he gives os its "Iife listory:" II tiaces it from the neriod of lenberto, when it puts forth flowers and truit. "A tree,",
petsays, "is indisputably the most highty-developed form which
 air which has undergone trausformation; the materian whike of wan
 life of a tree, from the planting of a beech-nnt in the hisoricichtily thit has
frown to be a lotty temple of Nature, with the birds singing and the grown to be a lotty temple of Nature, with the
squirtels liaying anlong its waving branches.

USEFUL HINTS TO OUR READERS. Bound Volumes.-Persons desiring the first volume of the Neiv Series of the SciextifzoAmpricin can be supplied at the
office of pullication, and by $n l y$ the periodical dealers: price, $\$ 1.50$;
 complete, can be funished by mail; price $\$ 1$. Vol. II. is now
bound and ready for delivery. The mine for this volunie is the
same as that charged for Vol. same as that charged for vol. I.
Subscribers to the Scientipic Amibrican who fail to
get their napers regularly will oblige the publishers be a ating their get their rapers regularly will oblige the publisherg by a ating their
complaintsin writing. Those who may have missed certain numcomplaintsin writing. Those who may have missed certuin numb-
bers canve them supplied by addressing a note to the office of
publication.

## IMPORTANT TO INVENTORS.

## T

 PATENT AGE AMERICAN AND FOREIGN counsel with them in the prosecution of thirir extensive patent busi-
ness. This connection renders their facilities still moresmple thim thes. have ever previousty been for procurring Leftel.s Piternt, and at-
tending to the variousother delartments of businges pertaining to
 Interferencep, Oninions relative to Infingements, \&c. Sc. The long
experience Messis. Movs \& Co. have had in preparine Specifications
 United States Patentofice, and with the greater part of the inven-
tions which have ben patented. Information concerning the nat-
euta entability of inventions it freely. fiven. without charge, on sendlng a
model or draving any descrintion to this ofice Consultation may be had with the firm, betmeen NINR and pos
Colock, daily, at their PRINOUAL. OFFOE. No. 37 I'ARE Row, NEW
 United States Patent Office. This oftice is under the generni super.
intendence of one of the firm. and is in daily communicition with Htendence of nne of the firm. and is in daily comminicition with
the Principal Office in New York, and personal attention will be piven at the Patent Officc to all such caseais may require it. Inrentors and
nthers who mav viait $W$ shlington having husiness at the Patent
Office, are cordially invited to call at their office. They are very extengively engaged in the nreparation nnd seeurlion of this business they have Offices: at Nof. 66 Chancery Lnne,
London; 29 Boulevard St. Martin, Pais. and 26 Rue des Eperonnier; Brussels. We think we may safely say that three-fourths of all the Onr Agency.
Inventors will do well to bear in mind that the Englifh lnw does Inventors wisso well to bear in mind that the Englifh hav does
not limit the issuc of patents toinventors. Any one can take cut a A pamphlet of information conceming the proper course to be of the Patont Office, \&ce., may he had gratip ulpon, application at the
orincipal Office or either of the Branches. They nlso furnish a CircuThe annexed lethers, from the last thrce Commiseiners of Patente,
ive commend to the perusal of all persons interested in obtaining Pitents:- $M$ Mersir. Munn \& Co.:-I take nipasure in stating that while I hifld
the
 Horved as Inave alway observet, in sill our intercourse with the
Office, a marked degree of promptnes, skill and fidelity to the inter-
este of cour employere. Yours, very truly,
 subloined very gratifying tertimonial:- he addressed ous the
Messrs. Movs \& Co. - It affords me Messrs. Mows \& Co.- - It affords me much plearare to bear teats-
njony to the able and efficient manner in which rour have diecharged
cour ditle of Solicitors of Patents while I had the tione the neffee of Commissioner: Yate whle $Y$ had the honer of holding


Mesars. Munv \& Co:-Gentlemen: It gives me mich plensnre to of Patenta, a verri layge proportion of the busineas of inventors be-
fore the Patent Cfice was transacted through jour ngener, and that
I hive ever fontud you faithful and der Ihve ever foum you faithful and devoted to the interests of your
clients, as well as eminently qualified to perform the duties of Pateat
Attorneys with skill aod accuracy


Publighers, No, 37 Part-row, New Yort:

