B. F., of Ohio.-The yellow scales in the sand which you sent us are mica.
E. H. J., of R. I.-We do not know of any work by SepE. H. J., of R. I.-We do not know of any work by Sep-
timus Piesse other than the one mentioned by you. To make tar timus Piesse other than the one mentioned by youl. To make tar
from pine wood it is essential that the wood should be distlled in a from pine wood it is essential that the wood should be distlled in a
retort.
J. McD., of Ohio.-White lead is a carbonate of lead. It
J. McD., of Ohio.-White lead is a carbonate of lead. It
is usually made by exposing thin sheets of lead to the fumes of vinegar. It may also be formed for experimental purposes by adding a solution of carbonate of potash to a solution of the acetate of lead
(sugar-of-lead). The precipitate thus obtained is the carbonate of (sugar-of-lead). The precipitate thus obtained is the carbonate of
lead.
E. G., of Ill.-Iron may be effectually prevented from rusting by coating it with asphalt varnish, then baking it in an oven, but such an application cannot conveniently be made to the iron-plates of ships, and such large masses of iron. Red lead is a
good paint for iron, but it requires to be applied with care in order to render it durabie. The first coat should be put on thin, then alto render to dry, and the iron should then receive two subsequent coats.
D. M., of Ohio.-The subscription price for Silliman's Journal is $\$ 5$ per annum. Address Silliman \& Dana, proprietors, New Haven, Conn.
J. De Z., of Mo.-Iron patterns may be coated with copper, and oxidation prevented by first cleaning them perfectly, coating them with asphalt, then preparing the surface with plumbago,
and afterwards submitting them to the galvanic battery in a trough containing the sulphate of copper in solution. The process would be troublesome and too expensive for you to practice.
nvariable Rule.-It is an established rule of this office to stop sending the paper when the time for which it was pre-paid has expired.

## Money Received

At the Scientific American Office, on account of Patent OÆfce business, from Wednesday, June 10, to Wednesday, June 17, 1863:--
C. D.S., of N. Y., \$16; J. N. W., of Ill., \$25; H. M., of Pa., \$25; H. P., of Pa., $\$ 25$; R. F., of Ind., $\$ 15$; J. H. M., of Ind., $\$ 26$; R. B. M., of Ohio $\$ 25$; M. S., of Cal., $\$ 20 ; \mathbf{N}$. and N., of Ill., $\$ 19$; M. and S. of Pa., \$16; C. J. Van O., of N. Y., \$10; H. and R., of Ohio, $\$ 20 ;$ J. N. N., of $10 w a$; C.C. W., of $11 ., \$ 20$; C. N. B,, of Pa., $\$ 45$; S. M.
B., of N. Y., $\$ 20 ;$ P. L. S., of Pa., $\$ 20$; D. J. O., of Pa., $\$ 20$; S. S., of Pa., $\$ 20 ;$ A. W., of England, $\$ 45$; H. L., of N. Y., $\$ 20 ;$ J. McC., of of Pa., $\$ 20$; A. W., of England, $\$ 45$; H. L., of N. Y., $\$ 20 ;$ J. McC., of
N. Y., $\$ 15$ E. C., of N. Y., $\$ 25$ W. W. M., of Conn., $\$ 25 ;$ J. H. C., of Va., $\$ 11$; L. M., of N. Y., $\$ 21$; C. R., of Mich $\$ 25$; B. K., of Mo., $\$ 25$; W. F. R., of R. I., $\$ 16$; L. and G., of Pa., $\$ 26$; B. L. W., of Mass., $\$ 16$; S. H., of - $\$ 16$; C. H. R., of Maine, $\$ 16$; L. D., of N.
Y., $\$ 20$ J. M., of Ky., $\$ 20$; D. and T. W., of Cal., $\$ 20$; A. F. W., of N. Y., $\$ 20$; L. and H., of Mass., $\$ 40$; P. and P., of Ill., $\$ 20$; R. H. L., of Pa., $\$ 51$; P. R., of N. Y., $\$ 125$; S. C. C., of Conn., $\$ 26$; H. E., of N. Y., $\$ 25$; B. and M., of N. Y., $\$ 25$; T. F., of N. Y., $\$ 15$; W. F., of Iowa, $\$ 20$; E. A., of Conn., $\$ 16$; J. C., of N. Y. $\$ 16$; W. F. O., of $i$ Mass., $\$ 16$; J. N. P., of Ind., $\$ 10 ;$ Z. W., of Cal., $\$ 50$; S. A. and W. H. P., of N. Y., $\$ 25 ;$ A. V. R., of N. Y., $\$ 50$; W. D. G., of Va.,
$\$ 20 ;$ C. and F., of Conn., $\$ 20 ;$ J. H. S., of N. Y., $\$ 36 ;$ B. L. W., of Mass., $\$ 45$; J. A. M., of N. Y. $\$ 32$; H. and J., of Iowa, $\$ 20$; G. B. McD., of Ky., $\$ 20$; W. C. H., of Ohio, $\$ 45$; W. C., of Md., $\$ 45$; A. B. K., of Canada, $\$ 12$; S. B. C., of N. Y., $\$ 25$.
Personshaving remitted money to this office will please to examine the above list to see that their initials appear in it, and if they have be found in this list, they will please notify us immediately, and in. form us the amount, and howit was sent, whether by mail or ex press.
Specifications afid drawings and models belonging to parties with the following initrals have been forwarded to the Patent Offlice from Wednesday, June 10, to Wednesday, June 17, 1863:H. L., of N. Y.; H. E., of N. Y.; A. B. K., of Canada; J. McC., of N. Y.; W. M. D., of N. Y.; J. H. S., of N. Y.; E. C., of N. Y.; B \& M., of N. Y.; S. B. C., of N. Y.; E. C. B., of Cal.; H. P., of Pa.; W. H. M., of Conn.; C. R., of Mich.; L. M., of N.Y.; F. A., Jr., of Mich.; H. M., of Pa.; C. A., of Cal.; B. K., of Mo.; F. \& D., of Paris; Z. W., of Cal. (2 cases); R. B. M., of Ohio; J. H. M., of Ind.; S. A. \& W. H. P., of N. Y.

## TO Ódr READERS

Receipts.-When money is paid at the office for subscr ptions, a receipt for it will always be given; but when subscribers remit their money by mail, they may consider the arrival of the first paper a bona fide acknowledgment of our reception of therr funds. Patent Claims.-Persons desiring the claim of any invention which has been patented within thirty years, can obtain a copy by addressing a note to this office, stating the name of the patentee and date of patent, when known and inclosing $\$ 1$ as fee for sluce 1853, to can also furnish a sketch of any of \$2. Address MUNN \& CO., Patent Solicitors, No. 37 Park Row, New York
Models are required to accompany applications for Patents under the new law, the same as formerly, except on design patents When two good drawings are all that is required to accompany the petition, specification and oath, except the Government fee.
New Pamphlets in German.-We have just issued a revised edition of our pamphlet of Instructions to Inventors, containing a digest of the fees required under the new Patent Law, \&c., printed in the German ianguage, whicb persons can have gratis apon appli cation at this office. Address No. 37 Park-row, New York

## Binding the "Scientific American."

It is important that all works of refer nce should be well bound. The Scientific American being the only publication in the country which records the doings of the United States Patent Office, it is preserved by a large class of its patrons, lawyers and others, for reference Some complaints have been made that our past mode of binding in adopt the style of binding usedan the old series, $i$ e, heavy board dopt the style of bindig und Believing that the latter style, and Believing thatce latter style of binding win beller please a large prtion of our reders, we shan comence on the expiration of this bard sides, covered with marble sener and forther pace in heavy The price of bindingin the above style willbe 75 cents. We shall be unable hereafter to furnish covers to the trade but will be happr to receive orders for binding at the publication office, 37 Park Row receive ord
New York.


|  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  | $\underset{\substack{\text { Hinee, patent Archer 216 } \\ \text { Holder, currency and bill (Isham) 296 }}}{\text { 296 }}$ |  |  |  |
|  |  |  |  |  |
|  |  |  <br>  | Armor for ships , a newArmor forships-of war 29.9 Arms and legs, chiliden's, 98Army8, the mortaily and sickness of the |  |
|  |  |  |  | C |
|  |  | $\begin{array}{\|c} \text { Urn, patent tea (Bristol) } 392 \end{array}$ |  |  |
| C | rew |  |  | Comomie as an inse |
| Camera-obscura, patent (Kolb) 353 Cannon and india-rubber sabot, elastic | L <br> Lamp attachment, improved (Baker) 40 Lathe, patent broom-handle (Prescott) |  | Astronomy, a earth's 259 |  |
|  |  |  |  | Canals, steam on 359,404 |
|  |  |  |  |  |
| miney fastener. patent (s) | ckwort |  |  |  alriane, an improved dteam 165 Carriage axes, a good anti-fricition com |
|  | Mill, patent cider (Ellis) 360 Mill, patent fiber (Patrullo) 368 <br> N <br> Needies. implement for threading (O'Kane) 184 P | Wheel, patant are (Beecher 1 168 Wher <br>  <br> 'Wheel, patent water (Cummings 88 <br>  | B <br> on, a lecture on the life and times of |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  | $\rightarrow-$ |  |  |
| Curirency-holder, patent (snow) 136 | Pipes, |  |  Batery, the Stevens 84 | Cents, the intrinsic value of copper 11 Chandler, a modest advertising 181 |
|  |  | Ses. |  |  |
| Draming machine, in |  |  | large leather 17 | Chemistry, solar 37 <br> Chicory, i9 |
| (eater seed (ravis) |  |  |  |  |
|  | Projectiles, the eelebrated "Staford" 209 | Acetylene 195 <br> ences, the National 291 |  | Chimney, moving a 291 Chromilim in the arts 391 |
|  |  |  |  <br>  | Cimerowe, the 55 |
|  |  | Admiralty, a board of 137 <br>  |  |  |
|  |  |  | 边 | Cirimatesand coiol at hith helevaions 29. |
|  |  |  |  |  |
|  | Rack, paleut hat and clothes (Montignani) Rack, patent hay (Cobb) 264 |  |  | , |
|  |  |  |  |  |
|  |  |  |  | Cloth, leather 354Clouds, on the formation of $5 *$ |
|  |  |  |  |  |

