## (c) <br> 

## Siientific Amcrican.

Pers No who write to une expecting repliee thruuk
 sberve the tstrit rute viz. to furruith thir namen otherwise wec
municationa.
C. F. A., of Maso-The beat mas of honing down a razor is on an Arkanay
We are not acquaninted with the blacking you mentiou but a good one may be made ns follows :-Ivor black ${ }_{20}$ ounces; molasese 1 1is ounces; lineeed oil, 5 ouncee vulphuric acid. 3 ouncess inditio, drachms; mucilage $\mathcal{F}$ ounce. Mix the molasses and black well, and the otheringre
required
GAND in
purchased sixty bules of rage, which were stated to hare becu imported from Egypt, and obtained from nummies Suspicious that they were rather heavier
than they ought to be, they aubmitted them to than they ought to be, they submitted them to a good
threeshing, and obtained 13,000 pounds of sand from the lot. The company refused to myy for the sand, and
their claim was illowed by the partiesfrom whom the rags were purchased. The Egpptians are a keen set of eharpers, bat they can't throw dust in the eyes of the
Yankees. a form that they cannot be filed down, they must be
scoured brisht. and perfectly freed fronn oxyd and dirt with sand in dilute sulphuric acid and hot water, a fter which they are washed, and placed in soft warm wa and ite surface covered with ground sulammoniac. The iron urticles are now dipped, and kept in this for five
minutes, after which they are lifted out, and plunge in another iroa vessel containing molten tin. In five ready to be lifted out. It will facilitate the zincing ocese if the articles are plunged into a solution of sal anmoniac bef ore being dipped in the zinc. Wrought
iron docs not require to be zinced before it is tinned liy decarbonizing cast ir on it cau also be tinned without ${ }^{\text {zincinf. }}$ J. $\mathbf{H}$., of Ala-About eixteen years since a company was formed in this city to apply the balloon prin
ciple to steannboats, to buog them in the water, and were intended to run from New York to Albany at the rate of fifty miles per hour. A buat called the Dove
was to be built for this purpose, but the scheme of the enthusiastic projector began and ended on pnyer.
A. B. C., of Iova.-Tho choapest way to obtain the
ilicate of soda is to make a strong caustic lye with equal parts of quick lime and soda ash, then subject he allica, in a inely subaivided state, to the action T. Y. of Jown - We huve received the rude arec paper which you state was manufactured by the at mound of the Mississipui water. We regre sit would, no doubt, have been interesting. M. C. T., of N. Y. -The method you propose for pre ag dwellings, by using window frames packed with some material to strain the malaria, is not altogether em. In Vol. IX, Sur. Ax., pase 280 , we publithed a heory is set forth, the only difference being in the anterinls employed for this purpoxe.
HEAT AND
nomena connected with heat and water. If a ball of ow red-hot iron is placed in a ressel containing col water, the latter is abitace of a of a . If we take and introduce it into the cold water, it will produce no ent. It would naturally be supposed that the higher eat of the glazs woinld canse a more vinlent action in简 the case. When the glants is cooled to about half it highest temperature it agitates the cold water vehe mently. B., of Me.-It has been asserted that the warin the Gulf of Mexico, generate our thunder storma, and that they are carried by western breezes to the Atlanic seaboard. This la the ouly theory we have heard suggested why thunder storms very ofen arise in the Wett.
raprs.-Doctor Underhill, who has probably devo any other person in th s vicinity, gives the followin ules for the eating of this wholesome fruit :-If a per on is in pertect health, he should swallow the pulp aly, ejecting the seed and sin. If constipated, he he ukin. When the bols are ere, ejechis onl adekin may be swallowed, ejecting the seede. The bove hints are seasonable, although we would not recommend the taking of too much of the akin of the rape into the stomach.
disure Plaster of Paris bus polished marble by the following procesd :-Put int four pounda of clear water, one ounce of pure curd воа rated and dissolved in a glazed earthen vessel; then da Having well dried the plaster figure or bust, \&e be fore the fire, suspend it by a piece of string, and dip $t$ once in the varnigh; upon taking it out, the varnibl tir the varnish, and dip the this usually suffices. Cover it carefulvy from the or a week, then with a ft muslin rag, or some cotto wool, rub the figure gently, when a fine gloes will be
produced.

Ditchino Macuines.-We have latterly had a great umber of inquiries from the southern and wester atents have been ty for dithige machinery. Some and engravings and descriptions of several may be hat there $i$ a a greater demand than supply for this
ther kind of machinery at preseat. We would suggest to If there are any manufacturens of such maclinges the ould find it to their interest to adverise them in the or. As. megascopic camern cor $\mathbf{N}$.-Your communication upon the ss whould not wish to publish ; it is, therefore, re jected. iv . recollection of your communication aigued "Yellow Fever." Ple
be a bad oue
Mioncy reveired at the Scientific American Office on
 K. H. M., of N. Y., $\$ 25$; A. McV., of Ohio, $\$ 25$; D.
 $\$ 25$; E. A. J., of N. Y., $\$ 32$; J. E., of N. Y., $\$ 5 \overline{\text { P }}$; G


 Wia., $\$ 30$ :
$\$ 30$; A. F.
 L., of N. Y, $\$ 30 ;$ F. M., of N.Y., $\$ 25 ;$ J. M., of
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## riterary Notices.

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 Norriu Bririma Revirw-The nuonber for the pre-
sent quarter of this profond Review contain twelve


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