## TO CORRESPONDENTS．

 ＂C．C．，of Ind．＂－The drawings of your horse rake has been examined，there is noth－ ing in the combinatinn which would warrant you in applying for Letters Patent．The run－ ners are the only new features presented，but no claim could be based upon them，as in this case it is only the application as a well known device to a new purpose．They are nothow－ ever so good for this purpose intended as the wheels ordinarily used．T．H．J．，of Mass．＂－Your question can not be answered until we are made acquainted with your method of preparing the ivory．Glass has been used for such purposes，after receiving a coating ohemically prepared．Ivory has not been used for the particular purpose，that we know of，but it may be that you prepared it in the same way，that the glass is before re ceiving the object．
＂A．S．，of N．Y．＂－Your plan for communi cating power to the common dash churn is very simple and good，but very old．No pa－ tent could credited．

N．L．M．，of S．B．＂—The Institüte refer－ red to is defunct．
＂E．C．J．，of Mass．＂—We do not see what advantages you desire from the first plan pre－ sented for our consideration，or what particu lar use you inteud it for．The 2 d is not new but constitutes one of the most ancient prin oiples involved in the application of steam． See Lardner or Stewart on the steam engine．
＂G．N．C．，of Ct．＂－We do not know what you use in mixing the British luster，if it is alum no patent can be obtained for the com position．This is all the information we can give from the very indifinite description given by you．
＂L．C．B．，of Vt．＂—The portable saw mil referred to is probally the invention of Mr Geo．Page of Baltimore Md．，who will giveyou any information in regard to price，\＆c．，tha may be required．$\$ 2$ received and credited．
＂S．H．，of N．H．＂－The plan of your switch has been examined．We do not discover any thing new in it－a patent was granted last season to Mr．L．B．Wood of your state，for es sentially the same devices．

W．F．，of Liverpool，N．S．＂－No work upon Practical Tanning can be obtained in this city，the want of it is seriously felt．Ran－ lett＇s Architect is the best work of the kind in this country，it treats more especially upon cottage and ornamental work．You would like this work，it can be furnished in two bound Vols．，for $\$ 6$ each，sent to our Halifa Agent．Please advise us．
＂P．N．A．，of Ind．＂－Your drafts have been received．and $\$ 70$ paid to Mr．Chamberlain and the balance $\$ 100$ credited as per request． Much obliged．

E．R．B．，of Wis．＂－Your model has arri ved and will meet early attention．
＂J．C．，of N．Y．＂一The model of your＂cut off＇＇has been received，and the expenses paid to Express have been charged to your account． We cannotexamine it until after the 1st of January．
D．L．G．，of N．H，，\＆and A．B．of N．Y．－ Shall attend to your cases，as soon as possible which will be about the first week in January ＂J．K．H．，of Ala．＂－It is absolutely neces－
sary that you furnish a good operating model of sary that you furnish a good operating nodel o wards making out the papers until a model is prepared．The Patent Laws，are explicit on that point．
＂T．A．D．，of Ind．＂－We shall be pleased to review your model of the＂Best Rotary En gine＂out，and would recommended you to for ward it by Express immediately．
＂H．T．P．，of S．C．＂－A case of instruments were shipped to your address per Engineer the steamer＂Northerner＂last Saturday．
W．F．of Ct．＂－Jesse Fox Esq．，resided at Lowcll，Mass．，at the time he made his appli－ cation for a patent on boilers（1832）but where he is at，present，we know not．
＂A．W．，of Pa．＂－You could＂get up＂one of those＂cattle feed steamers＂for sa much less price than it could be made here and then shipped to you．It is not patented in the Uni－ ted States but the right has been secured for Great Britain we think．
＂H．G．，of O．＂－Your plan for raising water simply a well known law in Philosophy and perates by encouraging a small model but practical test has proven that it will not oper ＂J an extended scait．
＂J．W．B．，of P．＂－We have seen no whee constructed exactly like yours－the nearest to it is one in No． 38 of our last Vol．－we are doubtful about obtaining a patent for it．W do not think the planing machine，to which you refer，superior to one with rotary cutters， but better than many with stationary cutters ＂J．F．G．，of Ohio．＂－Your plan of pumps is in common use in the English mines，but the assistance of the air is the same for one as for three－the spaces only make the difference． In regard to the screws，let it always be un derstood that there can be no gain of power without a decrease of speed，－an increase of power is a decrease of speed；an increase of speed is a decrease of power．This is a perma－ nent law of mechanics
＂A．F．G．，of Ga．＂－Your draft on Messrs R．C．\＆Co．，was duly received and promptly paid．Thanks for your promptness．
＂H．J．，of Ind．＂－Your model has been re－ ceived and your business will be taken up in a few days．
＂B．S．，of N．Y．＂－Your specification and drawing was forwarded to you by Wells \＆Co．＇s Express last Monday

C．W．B．，of N．Y．＂－Your plan in prin－ ciple is not new，but the construotion is．In Vol．2，Sci．Am．，you will see a number of plans for this purpose．
Money received on account of Patent Office usiness，since Dec．19， 1849 ：－
D．J．，of Mass．，$\$ 20$ ；W．P．，of L．I．，$\$ 20$ ； N．P．，of N．Y．，$\$ 10$ ；C．F．，of N．H．，$\$ 30$ ； N．T．B．，of Pa．，$\$ 45$ ；H．A．F．，of 0．，$\$ 37$ ； C．N．G．，of Fla．，$\$ 25$ ；and F．S．T．，of N．Y． $\$ 65$ ．

A．L．，of Me．，T．G．U．F．，of N．H．，F．S． T．，of N．O．，H．A．D．，of Ala．，W．C．F．，of a．，and C．D．T．，of N．Y．
Specifications of your inventions have been orwarded to you for signature，by mail，since Dec．19th．
J．U．D．，of Pa．，S．\＆K．，of $O_{i}$ J．M．B． f Ga．，F．S．T．，of Pa．，and C．D．，of N．C． Persons indicated by the above initials are informed that their funds were received and the Camera Lucida shipped according to their respective orders．
The six laboring days between Christmas and New Year＇s Day are considered holidays by most New Yorkers，therefore our friends and correspondents must not demur if their letters not receive the early attention next week that they are accustomed to do，at our hands．

## Back Volumes．

We are no longer able to supply Vols．1， 2 and 3 of the Scientific American．We have on hand about 50 copies of the 4 th，Volume bound，price $\$ 2,75$ ，if any of our subscribers are intending to order a copy，they had better do o without delay．

## ADVERTISEMENTS．

Patent Office．

Nothers roiviry rivions．－Ivyntors and ting to the procuration of letters patent，or filing ca－
veats，is transacted at the Scientific American O円fice， ith the utmost economy and despatch．Drawing Messrs．Munn \＆Co Co can be consulted at all times in regard to Patent siainess，attheir office，and such ad
vice rendered as will ona， 128 Fulton MUNE AN \＆CO．，

## CCCENTRIC \＆CONCENTRIC LATHE

 entric and Concentric Lathes，which the invento informs us will execute superior work at the follow－ing rates ：－
Windsor Chairs，Legs and Pillars， 1000 per 11 hours Rods nd Roun
Hoerk Handles，
$\qquad$
Also various other work in the same ratio．It will
urn smooth over swells or depressions ers to the inch．The Eccentric Lathe will do work $s$ fast and better than any other machine，and are
old without frames for the low trice of $\$ 25$ boxed
nd shipped．Address，（post paia）



HE RAMBLER FOR 1850．－The Boston occasiou it will appear in an eutire new and elegan
suit of type，printed on fine påper，and in all respect equal to the handsomest journal of the day．Several
other important improvements and new features will other important improvements and new features will
be introduced，and it is intended that the paper shall in
every respect present higher claims to the patronage every respect present higher claims to the patronage
of the public than it has yet pretended to．The vo－
 ＂The Gold Mines of the Gila，＂＂Shot in the Eye＂，
\＆c．It is ontitled＂The Bravo Ranger，＂or＂The
Scalp－Hunter of Chihuahua，and will probably extend
． iroulph eight or ten numbers of the pacter．NIr．Web－
ber is scown throughout the country forn his daring excursions into comparatively unknown histizur of the continent，as well as from the freshand entertan or－
ing account of his adventures which he has given to
the world in＂Old Hicks＂and the＂Gold Mines of the Gila．＂．
Ameng other features of our paper，worthy of note， Among other features of our paper，worthy of note，
may be gentioned the department for Farmers，in
which origiual articles appear weekly from the best which origiual articles appear weekly from the best
agricultural writers in New Englaud ；the Financial and Business department，under the direction of an
accomplished financial writer
the Markets，which w report withe more than usual the Markese ；the shichiping
List，into which we condense with grear care，all ma List，into which we condense with grear care，all ma－
rine intece fert：of interest，to Now England readers；
the News गepartuient：to which careful attention is devoted；besides whieh is given early intelligence of
all new inventions，and discoveries，sketches of tra－ all new inventions，and discoveries，sketches of tra－
vel，histnrical，biographical and scientific articles，
Sundey reading Sunday readings，puzzles，enigmas and problems，hu．
morous sketches，aud everything else that can benefit mor interest the ordirnury reader．The Illustrations
or ant
will be continued wek will be continued weyk ly，and an entirely new field o
embellishments will be entered upon． embellishments will be entered upon．

TERMS．－Two đollars perannum in | $\begin{array}{c}\text { cimen copies } \\ \text { Address } \\ 12.6 "\end{array}$ |
| :---: | $\qquad$

## 1－The PHRENOLOGICAL JOURNAL．－

## This Journal is a monthly publication，contain－ ing thirty－six octavo pages ato One Dollar a year，in advance．To reformand and perfect ourselves and our must understand the human constitution．Th do this，pre－

 nology，अlygiclogy，and Vital Maynetisn embrace，and hence fily expound all the laws of our being conditions of happiness，and causes of missery．
PHRENOLOG Y ．Each number will contain either the analysis and location of some phrenological facul－
ty，illustrated by an engraving，or an article on their ty，illustrated by an engraving，or an article on their
combirations ；also the organization and character of
some distinguished personage，accompaied by a like－ ness，together with frequanage，accompaiticomon by a Physiognomy
Publighed by FOWLERS \＆W．ELLS Published by FOWLERS \＆W．ELLS．
Clinton Hal． 129 and 131 Nassau－st．，N．Y． 112 m
HOREIGNPATENTS．－PATENTS procured Belgium，Holland，\＆c．，\＆e．，with certainty and dis－ patch through special and responsible agents appoint－
ed，by and connected only with this establishment．
Pamphlets containing a synopsis of Foreign Patent Pamphlets containing a synopsis of Foreign Patent
laws，and information can be had gration application
JOSEPH P．PIRSSON，Civil Engneer，
3 tf

## BRUSH＇S IMPROVED DOUBLE ACT

 ber is now manufacturing and has constantly onhand，an extensive assortment of Lift and For Pumps to which he would call the nttention of own
ers of ers of factories，breweries，ships，steamships，or for
rairoad stations and farmers，as one of the most pow
arful good ur：cie（the price is within the reach of all）a
invited to eall on the subscriber at his mantinctory．
in

## TO THE PUBLIC．－The undersigned is jre pared to execute in the best mannier all kirds patterns for foundries，models for inventors，and als

 drawings，if desired，a argicultureat implements，millwright work，sc．，in the best possible manner，at
mat low prices，upon short notice．He trusts that his ex
perionce and strict attention to business will Becure
him a liberal patronage．ROBERTF．BEEBEE

DREMIUM STOVE POLISH，\＆E．－－Quar terman＇s Chemical Oil Stove Polish，America gold size．The stove po
$121-2$ to $311-4$ cts．
John st．，New York，by

##  <br> 



## SUPERIOR TURNING LATHERS．－James stantly manufacturing and has now on hand between－ dions and aupereasonable prices，，namemely： Dentist＇s Lathes，very highly finished． <br> Brass and Wood Turner＇s Lathes． <br> Brass and Wood Turner＇s Lathes． Jewellier＇s and pencil cane maker＇s，very superior． J．STEWART is also authorized to act as acion J．STE WART is also authorized to act as agent for the sale of the celobrated Lathes manufactured by James T．Perkins of Hudson，of largesize and at pri－ ces from \＄250 to \＄800．A specimen of this descrip－ cion may be seen at his factory as above． j 27 tf

B RITISH PATENTSS．－－Messrs．Robertson from its commencement in 133 ，in principal partner，
undertak THE PROCURATION OF PATENTS，for Cngland，Scotland，Ireland，and all other Earopern
Countries，and thetransaction，generally，of all busi－ Couns relating to to patents．
Instructions to Invent． Instructions to Inventors can be had gratis，on ap－
pliention to Mr．THOMAS FOSSER Platt street， New York a a also the necessary iorma of Petition and Declaration for British Patents．
PATE TET OFFIC F，
m 1 tf
166 Fleet street，Lendon．
TOINVENTORS．－－The subscriber begs leave tures working models of machinery \＆c．in a neat workmanlike manner．Patterns of every description
made for Caating．Scroll sawing neatly executed made for Caatings．Acroll sawing neatty executed．－
Mathematicaland Nautical Instrument Cases of every
description．JOSEPH description．JOSEPH PECKOVER， 240 Water street
N．York，（between Beekman st．and Peck Slip．j30 $5 \mathrm{~m} *$

## TO IRON FOUNDERS．－－Fine Ground Sea Conl，an approved article to make the sand come

 Clay，tot sale in Barrels，by GEORGE O．ROBERT，
SON， $303 W$ West 17 th gtreel，or 4 Liberty Place，be－
tween Liberty ut．and Maiden Lane，N．Y． 9 14＊＊
A DEES AMERICAN CAST STEEL The abork works are nowin successsul operation，and
the proprietor would respectfully call the attention of machinists and all consumers of the article to an ex amination of his Steel，which he is warranted by the
testimony of the principal machinists and edge tool testimony of the pricicipal machinists a and edge tool
makers of this city，in recommending as fully equalin every respect toany ever used in this sountry．
A full assortmment of the difierent sizess constantly
on hand，which the public are respectull invited to
call and examine at the office of DANIEL ADE A full assortment of the different sizes constantly
on hand，which the public are respectululy invited to
call and examine at the offeco DANIEL ADE
51 Emas
107 Fulton street，New York．

## C MPLOY MENT．－Pleasant and profitalle em－

 C ployment may be obtained by a number of intel－ligent and active young men ir every Compy，by ad－
dressing postpaid， 129 and 131 Nassan－st，Nublishers．York
 will be necessary．Agen：s who engage in this
prise wnl be secured from the possibility of loss．
$53 \mathrm{~m}^{*}$
STEAM ENGINES，secondhand，one each $11-2$
 Lathes new $5,7,8,10$ ，nnd 12 feet，the 8 feet lathe is
a beautifularticle has back and screw gear，drill
chuck，centre and follow rest，overhead reversingpul－ lies，swings 19 inchesand price only $\$ 200$ ． ShingleMachines，Johnson＇s superior wiil saw 6 to
8000pel dayy．For the above or any other kind of
maahinery．Application must be post paid，to $\begin{array}{cc}118 & \text { Machinery Agent，} 43 \text { Fulton stre } \\ \text { mad }\end{array}$

C MMERA LUCIDA．－－Notwithstandingthe de－
（mand for these useful instruments has heen so Ereat，we are yet able to supply orders for them．
Every draughtsman and every persan that desires
Cost Every draughtsman and every phrsan that desires
to foster a tasta for the leatititi．art of sketching
should surely have one．
Just received，anew and more beautiful article than Just received，a new and more beautiful article than
has before been offered for sale in this country
Addreas MUNN \＆Co，at this offiee．Price 36,
boxed and shipped where directed．

AP WELDED WROUGHT IRON Tubes，
for Tubular Boilers，from 1 1－2 to 8 inches in di ity and manofacture as those so extensively used in
England，Buotilnec，France，and Germany，for Loco－ ngland，Bustilnec，France，and Germany，for Loco
notive，Marine ard idhersteam Engine Boilers．
THOMAS PROSSER，Patenter
m1
23 Platt stre et，New York．

THOMAS E．DANIELLS PLANING MA－ 1 CHINES Manufactured by HOWE，CHENEY
\＆CO．，Worcester Mass．All orders for the above
machines executed at short notioe and satisfactory
prices． $\underset{\substack{\text { Consulting Engineers，} 88 \text { Chancery Lane Linndon } \\ \text { mid }}}{\text { \＆f }}$


