in various countries．During the past 10 years the supplies from other sources than the United States have increased four per cent，but the demands have increased to no less than 45 per cent．The cultivation of Sea Island cotton has been commenced in Moratown Bay，Australia，but with what success we have not yet been able to learn．


CThe above are pries within three per cent discouat，the poun

## New York Markets

Cost．－Anthracite，from $\$ 4.50, \$ 4.75$, to $\$ 5$
Cozmage．Manillh， $8 \% / \mathrm{c}$ ．a $8 \% \mathrm{cc}$ ．per lb．
Corron．－The salcs were more favorable this week，still tho price have somewhat fluctuated．Good ordinary Ulpland，Florida and 3Io－ bile， $9 \% \mathrm{c}$ ．；Texas， 10 c ．；Middling fairfrom 12c．to $13,14 \mathrm{c}$ ．
Corren－There has been a considerable advance in the prices of this metal．Lake Superioringots at 23 c ．per 1b．far cash；nerrsheath ing， 25 c ．
Flocr．－Genesce brands，$\$ 5.25$ a $\$ 0.75$ ；Ohio choice，$\$ 5.40$ a $\$ 6.75$ ； common brands from $\$ 4.15$ up to $\$ 0$ ．Richmond city four，$\$ 5$ a $\$ 7$ ． IIp．are－American undressed，$\$ 140$ a $\$ 150$ ；dressed from $\$ 190$ a $\$ 210$ ．Jute，$\$ 95$ a $\$ 90$ ．Italian scarce．Russian clean，$\$ 210$ a $\$ 215$. Manilla 6 Xe ．a $63 / \mathrm{cc}$ ．per lb ．
 Inme：o－Bengal，$\$ 1$ a $\$ 1.50$ fer lh．；Manilla，sood to prime，Jsc．a \＄1．10：Guatemila，\＄1 a \＄＇．15．
Irov．－Anthracite pig，$\$=3$ a $\$ 24$ per tun；Scotch，$\$ 23$ to $\$ 24.50$ Swedish bar，ordinary sizes，$\$ 35$ a $\$ 37.0^{00}$ ；English refined，$\$ 30$ \＄．3．50；Eaglish common，is a $\$ 15$ ．Russian shect，first quality 11c．a $111 / 2 \mathrm{c}$ ．per lb ．；English，single，double and treble， $\mathrm{a} 3 / \mathrm{c}$ ．a $8 \% \mathrm{c}$ c．
Lead．－G．lena，$\$ 5.80$ per 100 lbs ；German and English refinel， \＄5．70；bar，shect and pipe，from 6 dsc．to 7 c ．
Le．atim：r．－Oulk alaughter，light，30c．a 35e．per lb．；Oak，heave，35c． aic．；O． k ，crop， 38 c ．a 40c．；Hamlock，middle， 24 c ．a 25 c ． Hemlock，light，23c．a 24 c ．；Hemlock，heavj，23c．a 23 c ．Pat ent enameled， 1 ce．a 17 c ．per foot，light．Sheep，morocco finish，$\$ 7.50$
 Belting，oak，32c．a 3 fc ．；IIemlock，28c．a 31 c ．
Nair．s．－Cut are quiet but atcady at 3c．a $33 / \mathrm{cc}$ ．per lb ．Americad clinch sell in lots，as wanted，at 5 c ．a 6 c ．；wrought forcign， 3 c ．a $3 \% \mathrm{sc}$ ．； American horseshoe， $14 \frac{1}{2} \mathrm{c}$ ．
Oпл．－－Linseed，city made，59c．per gallon；whale，bleached spring， 54c．a blic．；sperm，crude，$\$ 1.22$ a $\$ 1.27$ ；spcrm，unbleached spring， $\${ }^{\prime} .33$ ；lard oil，No． 1 winter，85c，a 90 c．；extra refined rosin，30c．a 40 c ．；machinery， 50 c ．a 100 c ．；camphene， 4 vc ．a 47 c ．；coal，refincd，from $\$ 1.12$ a $\$ 1.50$ ．
Rrsin．－Common，$\$ 1.7716$ mer 310 lby bbl．No．2，dec．，$\$ 1.81 \mathrm{a}$ $\$ 3.194$ ；No． 1, per $280 \mathrm{lbs} . \mathrm{bbl}, \mathrm{S} \$ 2.25$ a $\$ 3$ ；white，$\$ 3.25$ a $\$ 4.50$ ；pale 1．57 a $\$ 5.25$.
Spreter plates， $5 / 4 \mathrm{c}$ ．a $5 \% / \mathrm{cc}$ ．per lb．
Sterl．－English cast，14c．a 1 Bc ．per 1b．；German，7c．a 10 c ．；Am erican spring， 5 c ．a 5 K sc ．American blister， 418 sc a 53 cc
Tallow．－Americun prime， $10^{1 / 2} \mathrm{c}$ ．to $10 \frac{3}{4} \mathrm{c}$ ．per Ib．
Tiv．－Banca，33zsc．a 33c．；Straits，32c．；plates，$\$ 7.50$ a $\$ 9.87 \times \mathrm{s}$ per box．
Tumpentine，－Crude，$\$ 3.62 \%$ per 280 lbe．；spirite，turpentine， $44 \% \mathrm{c}$ ． per sallon．

Zino．－Sheeta，71／2c．a 8c．per lb．
The foregoing rates indicate the state of the New Yoris markets up o Aur． 24 ．
The stock of forcign cannel coal for making gas is very light in our market，as there has been no arrival of car－ goes lately from Liverpool．More Virginia canncl should be furnished for this city．

About 2，500 bales of cotton have been sold last weck for foreign shipment，at prices favorable for sellers．

There has been a rather buoyant feeling among the flour merchants．Nearly all grades have advanced about 15 cents per bbl．，with a good demand．Only 59，662 barrels werc exported from the 1st to the 23d of Aug．， 1850，against 112,292 in 1858.
The wire factory of Charles Washburn \＆Sons，of Quinsigamond，Worcester，Mass．，consumes about 2，000 tuns of bituminous coal，and 600 of Pictou，for anneal． ing wire，annually．
Gcotch pig－iron is in more request this year than it has
been for two years past．We have been informed that several American brands which had been sent to our market and had proved as good as the Scotch，thus tend－ ing to supersede it，have lately depreciated in quality and cannot be used for fine castings．This must be owing to a want of care in smelting or mixing our ores．
Railroad Stocis．－Missouri 6＇s，82年 a 83 $\frac{3}{4}$ ；New
York Central Railroad，73 a 73 ${ }_{4}^{3}$ ；Drie Railioad， 5 $5 \frac{1}{2}$ ；Hudson River Railroad， $32 \frac{3}{4}$ a 33 ；Harlem Rail－ road， $9 \frac{7}{8}$ a 10 ；Reading Railroad，44名 a $44 \frac{3}{8}$ ；Michigan Central Railroad，43 $\frac{3}{4}$ 44；Michigan Southern and Northern Indiana Railroad， 7 a $7 \frac{1}{2}$ ；Michigan Southern Guaranteed， $24 \frac{1}{2}$ a $24 \frac{3}{4}$ ；Panama Railroad， $115 \frac{8}{8}$ a $115 \frac{7}{8}$ ； Illinois Central Railroad， 65 a $65_{\frac{1}{2}}$ ；Galena and Chicago Railroad，66 $\frac{3}{8}$ a $\mathrm{CC}_{\frac{1}{2}}$ ；Cleveland and Toledo Railroad， $22 \frac{1}{2}$ a $22 \frac{5}{8}$ ；Chicago and Rock Island Railroad，C4．$\frac{1}{2}$ a 64 $\frac{3}{4}$ ；Illinois Central Bonds， 88 a 89.
The three steamers of the Collins Company have passed into the possession of the Panama Company and the Pacific Mail Company，forming a united company under the name of the North Atlantic Stcamship Com－ pany．The Allantic，Baltic，and Adriatic were sold for $\$ 900,000$－one－half in cash，and one－half in the stock of the company．Thus it is the Cunarders have driven our best steamships from the European trade．If we are not much mistaken，the Adriatic alone cost $\$ 900,000$ ．
We are indebted for our home prices to our valuable and able cotemporary，the Shipping and Commercial List and New Yorli Price Current，conducted by Autens \＆ Bourne，No． 58 I ine－strect．

ALbANY LUMBER MAREET，AUG． 24.
For the week the lumber market has presented but few new features worthy of notice．There is a slight im－ provement in the demand and rather more activity ex－ hibited throughout the district．The stock is very largo and steadily accumulating．The assortment is com－ plete，and was never known to be better，if as good． The opportunity now offering for dealers to purchase their fall and winter stocks，if embraced，will result most advantageously．Holders are anxious to realize，and buyers can pick their stock from a well－stocked market， and make their purchases upon better terms than at a latter period．The shipments during the week have been to a fair extent，and distributed pretty equally through the manufacturing districts of New England，Long Island and New Jerscy．The receipts have been large，not－ withstanding the detention of boats on the Rome level， and those of the enstuing week will be much larger，as all the detained boats will then have reached tide－water． A boat－load of lumber on the canal is now more than double what it was two ycars ago．They carry from 130,000 to 140,000 feet，as much as an ordinary schooner on the lake，and often as much as any two sail－vessels can carry．
Although the detention of the boats on the canal has been ncarly one－half the week，the receipts of boards and scantling exceed those of the corresponding week last year nearly 3，000，000 feet．
We quote prices at the principal yards as follows：
 88ひ変


issued from tie united states patent oficel


## ［Reporteil Offcially for the Solenturo Antrican．］

－＊Pamphlets gi ing fnll particulars of the mote of applying for

25，168．－Peter Arneson，of Newark，N．J．，for an Im－ provement in Machinery for Forming Hat Bodies：

［The object of this invention is to distribute by a very simpla means the fur on the usual former or perrorated conc in a much more perfect manner than heretoforc，so that the hat body when formed will be of a proper varying thickness from its crown to its brim．The invention consists in dispos：ng，bj ineans of $n$ guc－ tion blast and adjustable register，the fur on an endless perorated apron or other carricr，in such a mannerthat the fir will be presented to the picker and through the latter presented to the cone in a volumo rarying in density，and correspondingto the varying thictaness of the hat body to be formed．It also consists in arranging the former os perforated cone relatively with a picker and clischarging rollers，so that the former or cone will receive the fur in properguantit：eswith－ out the aid of defectors，suides，or any catrancous device wiatecver．］ 25，169．－Albert Bettelcy，of Boston，Mass．，for an Im－ provement in Shipper－gear fur l＇ulleys：
 25,170 ．－R．F．Billings，of Portland，Mc．，for an Im－ proved Bed－bottom
 linta，B，atticheed to the
for the purpose set forth．
［The object of this invention is to obtain a durable clastic bec．－bet． tom，and one that may bo readily tiken apart，anil packed within a small compass for convenience and economy in transportation，and also to facilitate its thorough eleansing when necessary．］
25，171．－A．Bingham，of Talladega，Fla．，for an Inn－ proved Bed－bottom：
I clam the arrangement and combination of the lon itudimal not
 ［A scries of inclined slatsylaced lonsitudinally at suitable distaness
apart from this bed bottom，$\varepsilon$ ．nd their lower cnds are attached to tho apart from this bed bottom，$\varepsilon$ nd their lower cnds are attached to tho Soot rail and their upper ends ane fitted to the head rail，the cads of
which are fitted in curved guides a．tached to the side rals，cachslat Which are fitted in cueved guides a．ttached to the side ralls，eaclaslat
resting on a spiral shaft，the whole forming a duzablo und clastic but revting on a bipiral shaft，the whole forming a duzablo und chastic but
simple bed bottom．］ simple bed bottom．］
25，172．－Scba Bogert，of New York City，for an Im－ provement in Finger Rings：
I chim an extenaion or divitich finger rine，haviag itag cais gro－
videll with a catch，or fastening，substantiall，wis wnd iun ite purposo set forth．
［The object of this invention is to obtain a finger－ring capable ot being extended or increased in diameter beyond the size requircd for the portion of the finger on which it is worn，so that the ring maj but readily slipped over the joints of the finger in belng pat ou or taken off，and at the same retained bj a suitable catch in a distenced stato while being slipped or passed over the fingel：］
25，173．－Charles W．Brown，of Boston，Mass．，for an Improvement in Grindincr Mills：
I clam，first，Regulating the adjustahle atone of a Grindine－mill
that the ntone may liave a vertical adjustment，so os to grind flnel or


 same are arranged and operate in the namaner eqsentiall as specified
Second，I claim the methor set forth．for regulating the flow f tho Second，I claim the methor set forth，for regulating the flow f tho
grain from the hopper，M，by udjusting the same vertically，In the manner set foith．
Tlird，I claim
 atone，$A$ and capahle of being raised or depred．
for the purlwses and in the manner epoified．
25，174．－C．P．Buckingham，of Mount Vcrnoin，Ohio，
for an Improvement in Cut－off Gear for Steam－en－ fines：
I claim the omployment of the tripper，N，when constructed and arrangerl as shown，so as to be adinsted，and to trip both vance and
combination with drons， J, arms， J ，and lifters， L ，as set forlh． ［In this invention an adjustable tripper is arranged in such rclation to two spring levers and drops and to a vibrating lifter，that the time when the drops are set free can be arranged by raising or．lowering the tripher，so that itstrikes the epringarmssooner or later，and when these drops are connected to the stems of two valres which interrupt the commuaication between the steam－p．pe and valve chest of the engine，and which are operated alternately bry the same cccentric，the tripper can be so resulated that steam is admitted during the whole or only during a certain portion of the stroke，and if this tripner is connected wh the governor，so that it is drpresed as the balla of the runs faster，and vice versa，to keep the speed of the engine perfectly runs faste
uniform．］
25,175 ．Wm．Burnct，of New York City，for an Im－ proved Inkstand：




25,176.-J. Carl, of Grenada, Miss., for an Improvement in Grinding-mills:
I claim, frrst, The arrangement and combination of the pivoted
ever,

Second. The employment of $a$ hinged top-bar, g , in combination
with the ehan, B , and and wescribed.
[Two stones operating in opposite directions can have their grind ing surfaces brought closer together by means of a screm, and they are so arranged that the surface of the upper stone always adapts
itself to the surface of the lower stone, and there are other artangeitself to the surface of the lower stone, and there are other arrangements to make this a good and efficient grinding-mill.]
25,177.-H. M. Coombs and L.W. Nelson, of Portland, Oregon, for an Improved Washing Machine:

 nid washing cylinder, D, and fire chamber,, , allaa,
[Thisinvention consists in the arrangement of a peculiarly constructed cylinder within a cylindrical chamber surrounded by water. and also in arranging a stove below the arrangement in sucha manner that it will answer the two-fold purpose of heating water in the boiler and drying the clothes after they have been washed and rinced in the 15,178.-C. W. Crandall, J. H. Crandall, and Hoza N.

Hawkins, of Cameron, Ill., for an Improvement in Mole Plows:
I clamm the combination of the opening or ditching piece, A $\mathbf{C}$, with he standard, F , and peculiarl formed hinged follower or former
constructed and operatug in the manner and for the purposes set

25, 179.-E. H. Crane, of Burr Oak, Mich., for a Rattrap:
 n n, siring, $H$, and box,, , proviced with Manging-door, $]$, when the
nsusl parts are combined and operated substantially as and for the saus parts are
purpose specitied.
25, 180.-H. H. Day, of New York City, for an Improvement in Manufacture of Ribbed Elastic Cloth:

 with which they are to be perman nently nita ched incontradistinction ${ }^{\text {cring material to them. }} \mathrm{I}$.
Insso claint the methiod, eubstantially as set forth, of spreading the
 ,
25,181.-Lucius Dimock, of Hebron, Conn., for an Improvement in Machines for Wimding Thread Iclaim the arrangement and combination with the guide, A, oftwo
scparate and distinct seires of of rooves, b $b$, having their channels cut in opposite angles, as and for the purposeshownand described.
[In the ordinary method of winding thread on spools, it is laid siranl from cad o end of the spool in opposite directions alternate-
 ircch
 thread evenlyon the spools, but such grooves are -always parallel
an imperfcct manner. This invention consists in a method of in an imperfcct manner. This invention consists in a method of grooves are arrangel obliquely in opposite dircctions to the planes of wolution of the spools, the direction of one series corresponding with thedirection which the thread hasin one of its spiral layers, and the direction of the other se ies corresponding with the direction which the thread has in the nextlayer, and the two series being so arranged that neither interferes with the other's operation. 1
25,182.-Joseph Ditto and Henry Van Bergen, of New
York City, for an Improvement in Composition for Cement Roofing:
We claim the composition prepared and composed of the materials
described, in the proportions set forth, for the purpose of forming cement for rooting purposes.
25, 183.-Daniel Dodge, of Keeseville, N. Y., for an Improvement in Nail Machines:
from forging or pointing machinery, and opening automatically atthe ooter extremity ofits stroke, so so to allowthe intromuction feeding
forward or removal of the rod, while itisin this position, but holding


25, 184.-S.W. Eells, of Mansfield, Ohio, for an Improvement in Writing Fluids:
I claim the rananer of combining the above materials, so as to pre-
vent the oxydation of the indidigo, and the other coloring ingredients,
25,185.-E. S. Ells, of Troy, N, Y., assignor to C. G. Keeney, of Manchester, Conn., for an Improvement in Knitting Machines:
In claim the combination and arrangement of the lever, e, arnn, $h$,
pin,, , and slot, $k$ withlever, , detent, n. and springs, $o$ and $p$, sub
stantially as and for the purposes described,
25,186.-J. J. Essex, of Newport, R. I., for an Improvement in Elastic Bulb Syringes:
I claim so combining and airanging the bull nir-chamber and de-
liver y valve with each other; and with the fexible suction und delivery tubes, that the air chamber shall be baove the deliveror unat ve, and
shall remain while in use, up ight, or nearly so, and underthe control shall remain while in use, up ight, or nearly so,
of the hand which grasps and operates the bubb.
25, 187.--Albert Fickett, of Rochester, N. Y., for an Improved Belt Fastening:
I claim the combination of the links, 11 i, with the rivets, rrr , said
links bein inserted int the end of of the bett, in the manner and for the
purpose substantiully ns set forth purpose substantially as set forth.
25,188. - Elbridge Foster, of Hartford, Conn., for an Improved Easy Chair:
 when the back is up in the manner as described.
Also, the anplication of the spring, ad justuble and extension back
 25, 189.-James F. Gamble, of Concord, Pa., for an lmproved Method of Feeding the Saw to the Stuff in Sawing-machines:
I claim moving the saw forward when cu
held stationary, substantially as set forth.

25,190.-Stacy A. Garrison, of Union, N. Y., for an improved Hub-reamer:
I claim the arrangement and combination of the cutters, cd , and
he arbor, A, as and for the pur pose shovn and described.
[This is a very convenient and simple device, which bores hubs very efficiently.]
25, 191.-William Goodale, of Clinton, Mass., for Machine for Making Paper Bags:
 or its equivalent, nad the adiastablestopper, a, all combined to oper


 erial narrower than the bap itelf, or of the eame wand af but shorter
than the bag itseff. substantially a s specified.


 Sescribect,
Seventh, The
$d r o p$,
$\mathbf{Z}$
, applied and operating substantially as and
 operating in combination
for the purpose et forth.
25,192. Charles Goodyear, of New Haven, Conn., for
an Improvement in Porous-napped Rubber Fabrics: Claim a new porous manuf acture or fabric, cornposed of a woven
or other cloth, or equivalent theref or, and ind ia-ruther or allied gum,
 or other fibers or oq
purpose described.
25,193.-Rensselaer D. Granger, of Philadelphia, Pa.,
for an Improvement in Cooking-stoves:
 artition having two openings, arr tha gedin respect to the boiler- -holes n the top plate, as set forth, and the said openings hav
surfices perforated as and tor the purpose eppcififed .
25,194.-John S. Hawkins and Rezin Hawkins, of Greenfield, Ind., for an Improvement in Harvestcrs:
We claim the arrangement of the main frame and team-slañ, in
combination with the adjustable frame, L, ind hinged shoc or cutting

25,195.-Thomas R. Hopkins, of Petersburg, Va. (assignor to himself and R. E. Robinson, of same place), for an Improvement in Screw-presses:
 rot th thead of said screv, rad so arranged an operate dyon, in
order to give motion to the screw, that the upper one remains station.

[This invention consists in giving the follower of a press a progressive upward or downward motion, by means of two sets of cams, with
friction rollers between them. Thc cams arcoarran ged on dsks, which have spurteeth on their. Hic cams aroarranged domb, which more tooth than the lower one. Into theso teeth a long pinion oars, maid pinion being moved slowly by a long lever, and as it turns, the upper disk gradually gains on the lower one, and, consequently; with the sid of the friction rollers, rises and forces up the follower with a powerfal pressure, the gradual elevation being retained al all times ment, acting antagonistic to the cams of the upper disk which l.oth revolves andmovesvertically up and down. This press cannot fail
to operate well; and as it combincs two of the most powerfuland effective elements of mechanics for giving motion and power, we An engraving will be presented in ourcolumns shortly.]

25,196.-Robert W. Hill, of Naugatuck, Conn., for an Improvement in Cooking Apparatus:
I claim the portable cooking or heating apparatus described, com-
posed of the ports, C, furnished with reqisters, with the partition, c, and drausht-
apertures, a, the whole being constructed and arranged as specified.
25,197.-Hermann Hirsch, of Berlin, Prussia, for an
Improved Marine-propeller:
I claim the peculiar form and construction, substantially as de-
scribed, of a propoller, whereby the centrifugal force obtained scrided, or a propaler, whereny ee centrifuga force obte
made to co-operate with and increase the effect of the same.
25,198.-Hermann Hirsch, of Berlin, Prussia, for an Improvement in the Construction of Ships:

25,199.-Richard M. Hoe, of New York City, for an Improvement in Feeding Paper to Printingpresses:
I claim the combination of the fed ding mechanism, cutting nppara-
tus and the prin
 catting or partiant
printen, an set forth.
I also o slaim
I als, claimo making the cutter soas to leave the several sheets united in certsin places, substantially ns described, in combination with
the conductign tapes, as described, or the equivalents thereof, so that
the the conducting tapes may pass around the cutter-cylinder as set
forthd I also claim, in combination with the cutter-cylinder and the


25,200.-Charles H. Hunter, of Shelbyville, Ind., for
an Improvement in Machines for Weighing Grain: I claim the combination of the scale-beam or lever, $g$, with the bag.
holder, H , secured to one end, and the standard,, , with rack pininor, for elecurting or deprosising the ecala-.beam, whe, the whole is
cons tructed and arranged sulstant iall an dezcribed for the purpoes set forth.
25,201.-Obed Hussey, of Baltimore, Md., for an Improvement in Harvesters:
I claim, frrst, The combination of the main ground-wheel scat and
platform, whed hinked to the main frame substantially as describe d.



25,202.-Jacob Jenkins, of Lynn, Mass., for an Improved Mechanism for Protecting the Upper Part of a Boot or Shoe while Applying the Sole:
I claim the described arrangement of a shoe-jack (or mechanism
for suportint hetoe and heel parts of a boot or shoe), a a fuard or pro ector constructed essentially in the manner as set forth, the sime

 forth I Iso claim the described application and arrangement of an and
justable ciard to the protector, whereby the fiting of the onter solo

25,203.-Walter W. Kelly, of Reedtown, Ohio, for an
Improvement in Scales
I claim the adjustable rack, Gatatd platform, H , constructed and
 at pleasure in the manner specificd.
5,204.-W. R. Landfear, of Hartford, Conn., for an Improved Pegging-machine:
Iclaim, first, The employment, in combination with the bar, A, of
he vertically and lateraly- $\mathrm{-mov}$ ing box, C , having a plate,, D , wwl, b nuch, $i$, and inclined fece, , arra

 the previously-made peg-hole in readiness to drive houre the peg on
the mate Second, The combination with the vertically and horizontally mo.
mex on the ing box' C, of the spring, , for firing alateral moverent to geid
box, and the adjusting ferev, ur, for regulating the gaces betwen


25,205.-D. L. Long, of Dayton, Ohio, for an Improvement in Sleeping Berths for Railroad Cars:

25,206.-Eugene Martin, of Waterbury, Conn., for an Improvement in Alloys:

anil for the purpose speciiticd. 25,207 - Janesville, Wis., for an Improvement in Pumps:
 I also claim the screw, D, when uscd for the purposes of fastening ser vorr, to any suitable substance, gubstantially as, and for the pur-
 in fastening and unfasterning the station ary part of the pump in the
well, or reservoir, sobstantially as deacribe di the set-screw, $N$, aleo erving to gage the descent of lie piston and prect
from injury,
$I$

25,208.-John M. May, of Janesville, Wis., for an Improvement in Pumps:
I claim thedevice for connecting together the cylinders and regu-
iting the stroke of the pump, in combination withthe


 25,209.-Hippolyte Monier, of Paris, France, for an Improvement in Argand Gas-burners:
 fractory non-conducting mate nial, snd with the inner tube and stem
of metal
scribe seral
25,210.-Richard Montgomery, of New York, N. Y., for an Improvement in Corrugated Iron Bridges: I claim, first, The combination of the corrugated arch, A, B, with

 as, and for the pur posesdescribed.
25,211.-Benjamin F. Moore, of New York, N. Y., for an Improvement in Ladies' Bustles:
Iclaim an fnflated bustle for ladies' dresses, formed with the pro-
jecting points or scollops, $\mathrm{d}, \mathrm{d}$, in the manner aud for the purposes
25,212.-Daniel Murray, of Fairfield, Conn.,for an Improvement in the Mode of Measuring Grain:
 for the eprropses set forth.
25,213. William Murray, of Baltimore, Md., for an Improvement in Stamping Machines for Crushing Ores, \&c.:
I claim, first. The combination of two or more stampers arranged
on the same radial line with two or more semi-circular inclined, re-
 volving, iffung, and dropping canm, which move together, and with
sontrial driving shant, zubotan tially as and for tie purposes sot


 fusted row wirt the stampers to a greater or iess hight, accorddng to the
force the oreration of stamping, substantiall yas TThis arrangoeses set forth
[This arrangement of two or more stampers on thesame radial line with two or more semi-circular horizontally-revolving cams, renders time that is performed by ordinary single-cam stamping machines without the necessity of enlarging the size of the machine or cm without the necessity of enlarging the size of the machine or cm-
ploying more than one driving shaft. And the arrangement of the ploying more than one driving shaft. And the arrangement of the
cams so as to be adjustable provides for the graduation of the force of the blow given by the stampers, and thus the machine can be adapted readily for stamping ore, or pounding hominy, rice and otber:

25,214.-Richard H. Osgood, of Columbus, Ohio, for an Improved Reciprocating Saw:

25,215. John L. Pott, of Pottsville, Pa., for an Improvement in Hoisting Apparatus:

25,216.-John B. Quigley, of Trenton, N. J., for an Improvement in Tapping Water Mains:

25, 217.-Thomas Robjohn, of New York, N. Y., for an Improved Inkstand:


[The nature of this invention consists in applying the principle of action of the elastic diaphragm covered under a patent dated August
22,1857 to serve the double purpose of forcing the ink into the foun22,1857 , to serve the double purpose of forcing the ink into the foun-
tain by downward pressure, and to act as a spring upon a lever, in ortain by downward pressure, and to act as a spring upon a lever, in or-
der to keep the cover of the fountain always closed down tightly when der to keep the cover of the
the pressure is removed.]
25,218.-Charles W. Russell, of Philadelphia, Pa., for an Improved Method of Shaping Bonnets:
 equivents, substantially as specified.
25,219.-Charles W. Russell, of Phiadelphia, Pa., for an Improved Machine for Pressing Bonnets:
 the pres-lavit that the direction in whlch the pressing-iron acts
can beontrolled, substantially in the manner, and forthe purpose
deccribed
25,220.-Augustin P. Samuel, of New York, N. Y., for an Improvement in Rotary Engines:
I claim the method ot governing and working the pistons, $C D, ~ b y ~$
connecting their and rollers, $M$ Mf directly with the eccentrated curve, $F$, uubstans
tially as and for the purposes set forth.
$I$ also claim the combination and arrangement, substantially as de-
 C, D, whereby such valves, a, l, are opened by the first motion of
the piston-rods, $K K$, and before any motion is given the plstons, C
P, so that a passage is given to the steam within such pistons, and
the steam admitted on both sides theref, for the purposc of producing the steam admitte
an equilibrium of
are put in motion.
are putin motion.
I colaim also the construction and arrangement, as above-descoibed,
of the packing rings, $r$, s, acting aginst each other by inclined sur-
faces; the outer ring of the packing rings, r, s, acting against each other by inclined sur-
faces; the outer ring, , being conical, or tapering, or both sides, and
the inner ring,


25,221. -Hezekiah B. Smith, of Lowell, Mass., for an Improved Mortising Machine:
I claim the relative arrangement of the fulcrum, D lever, F, con-
nectind-rod, G, and table li, with each other, in the minner dee
acribed, when combined with power nort poses set forth
25,222.-George S. G. Spence, of Boston, Mass., for an Improvement in Stoves:
I claimpthe tase of the conical inverted cup, B, combined with the
clhain $f$, or its equivalent, in the manner, and for the purpose set
elain, $f$, or its equivalent, in the manner, and for the purpose set
forth
I a iso claim the combination of the air deflector with the fire-place
door register, and so as to operate therewith, and deflect the enterdoor register, and so as to operate therewith, and deflect the enter-
ing carrents of air upon or toward the ignited surf ace of the fuel, as described.
25,223.-Orange N. Stoddard, of Oxford, Ohio, for an Improvement in Sewing Machines:
 mannerand forthe purpose set forth.
25,224. -Zuriel Swope, of Lancaster, Pa ., for an Animal Trap:
I claim, first, The sinking bottom, $N$, constructed as described, for
elosing the trap, when acting in comlination with the spring, $f$, and
bait elosing the trap, when acting in combination with the spring, $f$, and
baitlever, M, substantiall asalrady apertid.
Second, I claim the counterbalance ciul in, constructed as descriind, and o
ready set forth.
25,225.-H. K. Symmes, of Newton, Mass., for an Improvement in Gas Retorts:
I clhim the arrangement of the re movable flues, $D$, and valves, F,
in combina tion witiretorts of double length, substantially as, and for
the purpose set forth.
[This invention consists in arrangleg the lid of a retort with a horizontal tube or flue in such a manner that the fiue can easily be removed and cleaned independent from the retort, and it further consists in arranging it with a socket to fit to a flange which is cast or
otherwise rigidly attached to the lower end of the stand pipe, so that the li can be attached to the body of a retort, dispensing with the mouth-piece altogether; and that the gas emanating from the material in the front part of the retort has to pass back over the hotter portion of the coke in order to reach the opening in the flue through which it passes to the stand pipe, and the stand pipe is secured to the body of the retort so that its lower cod is open when the
door is taken off. If this arrangement be applied to retorts of double door is taken off. If this arrangement be applied to retorts of double from the outside, and the two ends of the retorts are closed at different times, so that one end is hot while the other is charged, and by closing the flue on this end, the gas arising from the fresh charge can be forced to pass through the whole length of the retort to the flue on the opposite end.]
25,226. - Charles Taylor, of Little Falls, N. Y., for a 'Ticket-holder for Railroads, \&c.:

| I claim the eye,, , spring clasp, $C$, and spring hook, $B$, in combina |
| :--- |
| tion with the link, |
| , or its equialent, for the purpose described. |

25,227.-Stephen R. Weeden, of Providence, R. I., for an Improvement in Preparation of Candlewicks:
tion of acetate of lea, or other substance, to aid combustion, and
coated with a silicate, as, and for the purnose set forth. [Theobject of this invention is to provide candles that are made of tallow and other stock that fuses or meltsat a comparativelylowtemperature with a wick that will bend and have its end brought in contact with the air, and be consumed as the candle burns down, without gutteringthe candle, or causing it to burn badly. Candles made of stock that melts at a comparatively high temperature, such as was, stearine, spe macet, and the iike, are providedwin such wicks as do not melt or gutter the harder stock by their bending. This invention rated with the employmentof a braided or plad ond rated with acetate of lead, and then coated with an alkaline silicate same time bend at a sufficient hight absve the candle to consume but not to gutter the candle.]
25, 228.-J. W. Wetmore, of Erie, Pa., for an Improve ment in Railroad Chairs:
 botrom
g, $h$.
25,229.-Ira Wisel, of Newbury, Minn., for an Improvement in Water Wheels:
I claim the pecu
rest of the wheel.
25,230.-F. L. Buel (assignor to C. G. Keeney), of Manchester, Conn., for an Improvement in Knitting Machines:
I claim attaching the mechanical device, above set forth, to a knit-
ting machine, namely, by the hread guide, $b$, lever, $\mathrm{c}, \mathrm{e}$, and arm, $i$, ting machine, namely, by the thread guide, b, lever, $c$ e, a
substantially in the manner, and for the purp ose described.
$I$ also claim the arzangement of the lever, $k$ connectio
subetantially in the manner, and for the purp ose described.
I also claim the arrangement of the lever,, , connections, $m$,
frame, h, and arm, $i$,substantially as described, and for the purpose
25,231.-Jonas Hinkley (assignor to himself and Frederick A. Wildman), of Clarksfield, Ohio, for an
Improvement in Sewing Machines:
I claim, first, The combination of the looper, HI and receiving spring hook, se When arranged so as to operate in the manmer and
for the purpose fer
Second, The combination of the deflecting hook, $G$, the looper, $H$, Second, che combination of the deflecting hook, $G$, the looper, $H$,
and the reciving hook, , essentially as specified.
Third, The lifting finger, $K$, or lts equivalent, operating eubstanFourth, The combination of the lifting finger, $K$, with the looper, $H_{\text {and }}$ and reeeiving hook J, substantially as described.
Fifth, The combination of the lifting finger, the deflectinghook, $G$,
the looper and the receiving hook, arranged and perating subatantially as described. D4, with the vibratingbar, $D 3$, and feeding hand, $D$, for the purpose
deacribe

25,232.-Thomas R. Hopkins (assignor to himself and
R. E. Robinson), of Petersburgh, Va., for an Improvement in Cam Presses:
I claim operating a press followeror other part of a machine which
is required to give a gradual pressure, by means of the combined agency of two differentially toothed dishk, me, D' which combine at
unequal speeds, two sets of reverse acting cams, ha, and interme unequa speeds, two sets of re verse acting cams, $h$, and interme-
diate friction rollers, $E$, or their equivalents, substantially as de-
scribed.

25,233. - William Linton (assignor to himself and John
Jones), of Baltimore, Md., for an Improvement in
Machinery for Making Clay Pipe:
I claim the two-sized perinanent core or mandrel, in combination
with the fixed die, $A$, and adjustable ja wa,
ranged, and operating in the manner described, for conetructed, ar:cified.
25, 234.-E. T. Steen, of San Francisco, Cal., assignor
to himself and B. S. Nichols, of Sacramento, Cal.,
for an Improvement in Quartz Mills:

 the, $G G^{\prime}$, the while be
the manner described.
[This invention relates to that class of millsin which the stampers are operated by steam, and it consists in arranging two stampers in a double cylinder in such a mannerthat by the action of the upper
ends of the stems of the stampers-which at the same time form steam pistons-as theystrike against the valve pistons, the steam is changed and conducted to the cylinders by cross passages in such a manner that when the steam is admitted to one cslinder on the top and exhausts from the bottom, it enters the other at the bottom and exhausts at the top, and the change of steam is effected by means of an arm extistons which are connected by a rocking lever from which tons rises and strikesagainst the valve piston so as to ralse it, the valve is thrown the full distance, and the fullpower of the steam is admitted to the cylindersat once.]
25,235.-Bernard Louth (assignor to Jones \& Louth),
of Pittsburg, Da., for an Improvement in the Manu-
facture of Iron:
in a cold state for hardening and addice made by rolling iron or steel

## RE-ISSDES.

H. W. Collender, of New York City, for an Improvement in Billiard-table Cushions. Patented Dec. 8, 1857:
I claim composing cushions for billiard-tables, with a body or back
of what is known as the sof compound of vulcanizable india-rubber,

C. A. McEvoy, of Richmond, Va., for an Improvement in Railroad Station Indicators. Patented Nov. 20, 1855:
I claim present:nc a movable sienor symbol to passengers of a
railroad car, so that both sides of said sign ahall be visible, and utilized as annunciatiors by passing each sign in it turn through an open-
ing of the case, by the revolving of the drum to which the said signs

James Powell, of Cincinnati, Ohio, for an Improvement in Faucets. Patented March 22, 1859 ; re-issued July 5, 1859 ; again re-issued Aug. 23, 1859 : I claim, Grat, The valve-stem, $I$, formed with projecting flages,
J and ${ }^{\circ}$, whenconfined to rectinear path and operated by a cam
or eccentric, which engages with it at two opposite points, in the or eccentric, which engages with it at two opposite points, in the
manner and for the purpos eset forth.
Second, The described arran gement and combination of the slotted Second, The described arrangement and combination of the slotte
heal, Ii, rivet, c, rocket, E, nnd cam, , operating in the manner se
furti to prevent lateral motion of

Moses Bales, of Big Plain, Ohio, for an Improvement in
Mole Plows. Patented Fel. 15,1859 : Mole Plows. Patented Feb. 15, 1859:
I claim the employment of the cap, d, in combination with the mole
E, constructed and arranged substantially' as and for the purposes set forth.
L. P. Harris, of Mansfield, Ohio, for an Improvement in Apparatus for Evaporating Saccharine Juices. Patented January 18, 1859 :
I claim the application of partial transverse or oblique partitions to evaporating pans, for the purpose of preventing a continuous trians-
verse channè, when the said partitings glaill be nuranged substan-
tially fo the manner as fully set forth and described. DESIGNS.
James Bogle, of West Newton, Mass., assignorto himself and Daniel Bogle, of Dover, N. H., for Designs for Floor Oilcloth. ('Two Cases.)
Henry Hebbard, of New York City, for Design for Spoon or Fork Handles:
Francis M. Strong and Thos. Ross, of Brandon, Vt., for Design for Scales.

Nore-In another column is an article complaining of the delay at the Patent Office in the examination of certain classes of inventions. since the article was penned, our attentire examining-corps; and since the article was penned, our attention has been called to the
preceding list of claima, in which we notice the issue of a patenta in cases which have been before the Ofice for somber of so we are now in hopes that we shall not be under the necessity of again protesting in behalf of inventors at the delar under which of again protesting in behalf of inventors at the delay under which too
many of them have been obliged for months past to suffer. While a few of our clients are lamenting at the delay to which they are subfew of our clients are lamenting at the delay to which they are sub-
jected, others write us by nearls everg mail acknowledging the jected, others write us by nearly everg mail acknowledging the
prompt and efficient mannerin whichtheir cases have been prosechted; and among our own patrons, we recognize in the above short list of patents the names of TWENTY-BIX whose papers were prepared, and their applications conducted to a successful termination, through the Home Office of the Sctovirio Anerronn, exclusive of a number which were prepared at our Branch Office, corner F and Seventhstreets, Washing ton.-Lve.

## Hints to Inventors and Patentees.

Inventozs who have made improvements upon which they desire to procure Letters Patent, will do well to bear in mind that the ProprieCors of the SCIENTIFIC AMERICAN have had upwards of fourteen sears' experience in the examination of inventions, and during this diatenotice than any other Pare cases brought under their immewould be han any other Patent Agence in Che United States. It fford them ur aution the cution of this dopartmeat of professioal buiness. Messrs. MUNN \& Co. have made thousands of personal examinations at the United with the law the rules and the verions that and ion of cese ond are heving diils intercourse with the Honorable Commissioner of Patents and the Examiners. Messrs Mows \& have, during the last fer pe thans. Messrs. Muñ aco. rejected cases, not for their own cllents merely, but for agents of rejected cases, of American genius, the United States Patent Office They venture the assertion fint, possessing such a do, no other Patent Agency in the United States can offer cqualindo, no other Patent Agency in the United States can offer equalin-
ducements to theworthy inventors of this country. In proof of the ducements to theworthy inventors of this country. In proof of the
unparalleled amount of business transacted through the Scientific American Patent Agency, it isonly necessary to refer to the letter of theHon. Charles Mason, the late respected Commissioner of Patente, also to the le'ter of the Hon. Joseph Holt, now Postmaster-General, who also filled the office of Commissioner of Patents with great credit (both of these letters are published below), and to the still more signi. ficant fact that since the 1st of January last-a space of only eight months-we have secured beven hundred and porty-aix Letters Patent for inventors whose cases were prepared and prosecuted through the Scientific American Patent Office.
Notwithstanding the multiplieity of Patent Agents in the United States, the business of Messrs. Munn \& Co. is steadily on the increase. At no former period has their professional practice been so extensive as at present, which fact indicates that inventors throughout the country have the most perf ect confidence in theirintegrityand the most remarkable years of inventive progress; their knowledge could not be purchased by money, any more thanan abstruse science could beacquired without laborious study and many experiments. They have facilities within their power by which the entire business of the United States Patent Office could be successfully carried on through their Agency alone. If cases are rejected, they are rigorously investigated. Appeals, interferences, and extensions are also conducted with the greatest care. Infact, every department of the business connected with the Patent Office receives their attention.
If an inventor wishes to procure patents in Great Britain, Francs,
Belgium, Austria, Russia, Prussia, Spain, Holland, or any other Belgium, Austria, Russia, Prussia, Spain, Holland, or any other foreign country where patent laws exist, Messrs. Mons \& Co., through their old established agencies in London, Parrs, and Brusgels, can attend to it with great dispatch, and will furnish all needful information upon application, either in person at their offices in New York and Coshington, or by letter. Yaventors shoud remember that MONN \& Co's offce in Washington is nota mere Agency, in whichinventionsare exposed to the view of outside parties, but it is a Branch Es-
tablishment managed by Messrs. Mons \& Co., and their confidential tablish
Messrs. Monn \& Co. wish it to be distinctly understood that the $\$$ neither buy nor sell patents. They regard it as inconsistent with a proper management of the interests and claims of inventors, to parti-
cipate in the least apparent speculation in the rights of patentees. They would also advise patentees.to be extremely cautious into whose hands they entrust the power to dispose of their inventions. Nearly fifteen yearg' observation has convinced us that that the selling of others, without causing distrust. others, without causing distrust.
Inventors who wish to personally consult with Messrs. MUNN \& Ca can freely do so, and receive promptly all needful advice, free of
charge, and their letters will be treated as confiential.

We commend to the perusal of all who are interested in the proct. ration of Letters Patent, the following testimonial-letters from Hon. ration of Letters Patent, the following testimonial-letters from Hon.
Judge Mason and Hon. Joseph IIolt; the former is now a candidate
for the bench of the Supreme Court of the State of Iowa, and the latter is the Postmater-Gener:al of the United States:
 Tus businkeg or TuE orfice came through your liands. I have no
 Offce, a mirked degree of promptness, skill, and fidelity to the in-
terests of your cmlloyers. Yours, very truly
intas. MASON. Immedintoly after tho appointment of Mr. Molt to the office Jt
Pobtanaster Generel of the United States, he addressed to us the
subioined very gratifying testimonial:--Postmaster-General of the United Stotes, he addressed to us the
subioined very gratifyng testimonial:-
Messis. Muwn \& co. It aftiods me much pleasure to bear testi-

 marked ability, and uwcompromising fidelity in performing your-pro.
fessionall cngagements. Ver' respectfully
Your obedient servant,
Prenttal, Oficz- 37 Park-row, Neif York.
Bramed Offict-Corner of $F$ and Seventh-etreets, Washington, $D$. ., opposite the linited Staten Patent Office.
Fozerion Orficzo-London, fif Cha cery-lane; Paris, 29 Boulevard St. Martia: Bru;sels, 26 Rue des Eperonniers.
A Payarlet amp Chactlat of Admor, "How to Procure Amerlcis and Foreign Patents,'' sent frecon application. All communice tions considerod oonfidential, and should be addressed to MLNN \& CO., No. 57 Paric-row, New York:
Rereoted Casta, also applicatlons for the Estconion of Patents, reccive special cttention. In this class of cases, Musn \& Co. have had great success.

W. $\Delta$. S., of Mrk. We regret we must decline publish- $^{\text {Wrent }}$ ing jour second letter. It contains scms thoughts of general intercst to the puiblic. There is, however, a mechanical obstacla to its publication. The landwrittng is excoodingly minuto (almost requining a nicroscopa for its pernal); it is also otherwiso very shogible, and the infter is irritten on both sides of the paper. This last fault, though common to persons unaccuatomed to writing for the press, gives great trouble to the printer and is almost always which is far from ther, usless tho writing is exceedingly
G. O. K., of Vt . -The best way for you to procure a eecond hajd steam.engine will be to adrert:sa for it in the Sorme tywn Alezic.av: You will find our terms on nnother page
W. P., of Ohio.-In the answer to you on page 126 of our present volum", the word "feet" should have read "Inches." A lube 1,728 Inchee bighand of one square inch area contains a cubic foot of water which weighs $61 / 2$ younds water, and exerts thly amount of pressure on its base. A slmilar tube of 1, ise inches (14! foet) high cantalns abont 61 pounds of water; a round tube one inch In dameter, and 178 feethigh, contalas nearly the eame quantity of Infured with good judsment, "it is not easy to avo:d crrors bometimes takiag place, in answering so many correspondents, and using so many mixed terms and quantities."
W. M. F., of Pa.-Wagon brakes have been patented to accompllsh what sou desire. If soul have enjthing new in this department of invention jouare entitlod to a patent for it. Senc us a description of it for exam:nation.
C. R., of Tenn. - If some nitrate of silver is added to printers'ink, it wrill make indelible stenc:link.
J. L. M., of Ind.-On page 52 of the present volume of the Sictevtipe Angmesso you will find instructions for platiag on lyon. We know of no such book as you describe suitable to cvery
E. H. B., of Mass.- You can make black impression paper with gljcerine and lamplack, nloo with fresh butter and lumpblaci; dry as well as possible after application.
T. McC., of N. Y.-You can easily calculate the power of a hydraulic press by multiplying the pressure on the squareinch Into the water area of the ram in square inches, nad by the apead, in feet, per minute of the piston. As sour ram has anarea of 14.75
square inches and a presaurs of from 1 to $\hat{2} \mathrm{lbs}$. on the square inch, Ifit moves at the rate of two fect per minute tis jower will be one-9lxth of a horse- $512 \rho .11 \mathrm{lbs}$. lifted one foot in one minute. Consult a work on horolo y about pendulums.
E. B., of S. C.-Your idea of placing a perforated diaphragmat the bottom of the eteam-chamber to pirvent water b ing castled upinto it is an old ouse, and so is tle surface wall for collectiag and conveying away tha foam. We do not ve:s well unclerstand sour bulk-head, owing to the imperfection of your drawing,
but have seen somethiag very much like it. We have sent to your adiress oue of our pamphlets of information.
R. D., of C. W.-We thank you for proposing to get us up a club of subscribers. We are now eloctrotyping our numbers each week, and can therefore suppls back numbers at all times. Mhater-of-Pariscan hold boiling water without bcing much affected by it. A ciment of phaster-of-Paris and fine white sand, in equal
parte, mixed up with ohite lead paint, will answer well, we believe, parte, mixed up with white lead paint
for stopping the leaks in your tank
D. I' of Pa.-We do not know of any substance suitable for cleaning fly specks from the feather's of stuffed birds. You had better consult eome taxidermist in Philadelphia.
H. M. S., of Mich.-The coal of $\Omega$ wood fire burned in the open air is different from charcoal burned in a pit. The In a very ferr minutes atter it is laid. Platinum is the most expan. vive motal by heat, and wrousht expands more than cast iron. Allow dull files to lay in dlluted sutphuric acid untll they are bit doep enougl. We eannot specify the time thatis required.
J. R. B., of Ind.-We cannot think that a few sho would prevent molasses running out of a barrel without the barrel itself was very tight. Lyell's "Manuel and Elements of Grology," published by C. L. H., of Vt.-If you take the trouble to figure out the cost ofcigar-making, as stated in our article, gou will see that our figuring is not so tall as you supp se.
J. M. C., of Iowa.-Boiled linseed oil will keep polished tools from rueting if it is allowed to dryon them. Common sperm oil will prevent them from rusting for a short period. A coat of c pal varnish is frequently applied to polished tools exposed to the weather.
H. W. W., of Ill.-A more regular motion is produced by cutting off the steam before the end of the stroke than in carrying full pressure the whole length.
W. S. G., of Ill.-We are not acquainted with the com position of the cement to which you refer. A mlature of indiarubber and shell-lac varnishmakes a very adhesive leather cement. A strong solution of common isinglase, with a lithe
added to it, makes an excellent cement for leatber.
M. B., of Mass.- You will find information on the art of lithography by referenco to Ure's dletlonary. There is no dietinct work on this subject.
B. C., of Pa.-Superheated steam is gradually coming into more extended use in England, but is making no progreas in this country. It has been found most advantagcous not to use it very highly dried.
M. H., of Pa .-We refer you to articles on pages 169 and 204 of Vol. XIV. of the Somertrio Anomesan; they contain fuil and 204 of ol ol. the subject of halancing saws.
J. O. M., of N. Y.-So far as we know, your improvement in casting cannon of the two metals specified in your letter is new and useful; and it appears to us that, by casting the most fractlous on the top of the loast fractions metal, as proposed, sou will accomplish the desired refult.
W. J. P., of Vt :-The hone side of a razor strap is made with ine envery laid on with glue; the polishlng sidels made of calcined tis or colcothar, but if you cannot get these use black-lead and a litule grease. 'The finishing side le simply buff leather.
C. M. E., of Pa . - There is no patent in existence which covers the use of compreseed air as a motor. Any person masy use comprcesed air in the United States f ormoving cars, cs alt is pablic property.
C. A. F., of Mo.-The coating for iron to which you refer is sillicate of coda, and will not answer for iron boilers to prevent cormoion,
200 Brosdway, New York. Your subseriptionerpines
. B.,
E. B., of S. C.-You omitted to sign your name to your letter oflnquiry a bout the double boat, but there being evidence of
good faith on your part we reply that it is an old idea, and we cangood faith on your part wo reply that it is an old idea, and we cabnot adiviso you to apply for a patent on it. Your money would be thrown away upa he goverameat and tho ageat.
Turner, Maine-A con'espondent from this place seeks information from us, and is diasppolnted, doubuless, in not roceiv-
ing an answer. The reason is he forgot to sign his namo to bis letter.
J. II. R., of Mass.-By all means have your well covored, as it will then be protected from dust and dist. W. B. G., of N. Y.-Under some conditions, we have no doubt but that electro-magnetic engines would be most suitable, cspecially fordriving light machinery, such as sewing machines, J. ${ }^{\text {miHe }}$
. II. L., of Ind.-The spirit obtained from grain is f-om that 12 int which may be converted into starch, and for this reason starch manufactu ers are exceedingly careful to prevent may be obtained from starch, butat present we cunnot give you the exnct quantity. The Postmasterordered your paper to be stopped ns uncalled for.
P. F. K., of Ga.-We do not know where you can get sour old ten-trays japapned, but we will tell you how to do it soursotif. First clean them thoroughly with soap and water and a fitlie Now, get some good copal varnieh, mix with it somebronze porder, nad appl; with a brush to the denuded parts. After which sct the tea-lraj in a oven at a heat of $212^{\circ}$ or 2000 until the varalab is drs. Two coats will make it equal to new.

## Money Received

At the Scientific American Office on account of Patent Office business, for the week ending Satnrday, Aug. 26, 1859:-
F. S. P., of N. Y., $\$ 35$; J. A. S., of Mo., $\$ 30$; L. M., of Wis., $\$ 7$;
A. C. P., of N. Y., $\$ 30$; C. \& L., of N. C., $\$ 31$ S. S. La R., of Ind., A. C. P., of N. Y., $\$ 30 ;$ C. \& L., of N. C., $\$ 313$ S. \& La R., ot Ind.,
$\$ 20$ W. \& W. M'fg (O., of N. Y., $\$ 525 ;$ L. W., of Mich., $\$ 3 ;$ I. N. P., of Ind.. $\$ 3$ ni L $\mathbf{L}$. of Cal., $\$ 103$; C. E. Rm, of N. Y., \$2J; J. W. \& II. A. G., of Pa., \$33: J. S., of Maine, $\$ 30 ;$ J. B.. of N. Y., $\$ 33$; 1I. K. S., of Miss., $\$ 35 ; \mathbf{W}$. C. P., of Iud., $\$ 5 ; N$. S., of Minn. Ter., $\$ 33 ;$ G. G. N.. of Mars., $\$ 30 ;$ C. \& C., of Pa ., $\$ 30$ : K. \& M., of Vt., $\$ 10 ;$ G. E. S., of nl. , $\$ 25$; T. \& J., of Pa., $\$ 25$; A. P., of N. Y., $\$ 35$; P. C. F., of N. Y., $\$ 25$; II. P. I., of Conn., $\$ 25 ;$ I. O., of Texas, $\$ 10$;
I. P., of N. 1. ., $\$ 3$; L. R.F., of Ga ., $\$ 15$ J. P. A., of Ga., $\$ 25 ; \mathrm{J}$. I. P., of N. I., $\$ 37$; L. R.F., of Ga., $\$ 15 ;$ J. P. A., of Ga., $\$ 35$; J.
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$\$ 50$; B. \& C., of N. Y. $\$ 25$. $\$ 50 ;$ B. \& C., of N. Y., \$25.

Specification ${ }_{\diamond}$, drawings and models belonging to partlee with the following Initials have been forwarded to the Patent Offlce during the week ending Saturday, Aug.26, 1859 :-
H. K.S., of Mass.; E. D., of La.; C. E.R. R., of N.Y.; L. M., of Wis.; C. L. R., of Wis.; P. C. F., of N. Y.: A. P., of N. Y.; L. R. F., of Ga.;
A. L. F, of N. Y.; G. W. R. B., of Li. W. P C. A. L. F., of N. Y.: G. W. R. B., of L.; W. P. C., of Ind.; J. W.. of
S. C.; J. P. A., of Ga.; S. \& La R., of Ind.; F. S. R., of N. Y.; H. P. J., of Conn.; L. E. En Cal.; I. N. P. of InN.; G. E. S. . of ILL; T. P.,
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