

ISSUED FROM THE UNITED STATES PATENT OFFICE for the week ending june 11, 1861.
** Pamphets giving full particulars of the mode of applying for
 1,498.-Hiram Aldridge, of Michigan City, Ind., for an Im provement in Machines for Thrashing and Separating
Grain: Grain:
I claim, first, The arrangement on the front of the concave, A, of a
thrashing machine of two slotted a and pertorated ears, a a, said ears

 hingeat and owelled together, and torm, when on the machine, a con
described
Thire, The arrangement of a beater, $G$, which has a space existing
between its blades and its axis, and operates, in the manner dexscribed, Third, The arrangement ofa beater, $G$, which has a space existing
between its blades and its axis, and operates, in the mander esscribed,
between the end of he canvas belt, $F$, and open straw carrier belt, $E$,








 the shatts, U W, curved slots, $n$, and sceev. thres dex bearings, $m$,
with clamp nuts, substantialy in the manner and or the purpose
scribed, 'The extension tailboard, $\mathcal{Y}^{\prime}$, in combination with an inclined
sieve, which isadjustable on a
fixed ax is, $U$, in the path of a vertical

1,499.-John Andrews, of Brunswick, Maine, for an Im-
proved Mode of Securing Circular Saws to Arbors.
 [In adjusting circular saws on their shafts or arbors, great dificulty is generally experienced in consequence of the variation in the diam eter of the eyes of the saws. When too large, the eyes require to be bushed in orderthat theymay fit their arbors, and when too small they require to be filed out. The object of this invention is to obviate this dificulty, and to this end a siding or adjustable bush is employed, in connection with a fixed and an adjustable collar and nut, to effec
1,500.-C. L. W. Baker (assignor to himself and J. W.
Bliss), of Hartford, Conn., for an lmproved Corn Brom:
I claiman im
I claim an improved article of manufacture, consisting of a broom
being composed of the tiber of broom corn set in turts in a block o
wood, Enbstantially in the manner as and for the purpose described.
1,501--H. L. Baldwin, of Branford, Conn., for an Improve ment in Curry Combs:
I claim the described curry comb as a new article of manutacture,
having tis back plate, A, and teeth, a, cast in one piece, the teeth being
of cyindrical or an approximate form, and about of an equal thickness of cylindrical or an approximate form, and about of an equ
throughout their length, as and for the purpose specified.
[This invention consists in casting the plate or back of the curry comb and the teeth in one plece, whereby an implement is obtained which possesses many ad vantages over those manufactured in the ordinary way.]
1,502 .
1,502.-Sarah A. Baldwin, of Waterbury, 'Conn., for an Improvement in Skirt Supporters:
Iclaim the combination of the several strips, A B, arranged and
secured to gether and furnished with shoulder straps, $D$, , lacing
hooks, $i$ i i, and spring pins for attaching the skirt to the supporter, all hooks, it $i$, and spring pins for
as described and represented.
[The nature of this invention consists in forming the supporter of strips of covered steel, whalebone or reed, put together with clasps so
as to form a waistband which will encompass the bod, and in comas to form a waistband which will encompass the body, and in com-
bining with their band shoulder straps and backstays, and a means bining with their band shoulder straps and backstays, and a means
for lacing the band around the body, and also spring pinsfor attaching the skirts to the band.]
1,503.-LL. D. Barrand, of New York City, for an Improved Claim, first, The two inclined

connected to the guide bars, $\mathrm{C} \mathrm{C}^{\prime}$, between which thesaw is hung, sub-
stantially as described
: Second, The slotted lever, $G$, connected to the lower carriage on the
 [This invention relates to certain improvements in that class of sawing machines in which a saw frame or sash is not employed, and 1,504.-H. H. Beach, of Philadelphia, Pa., for an Improvement in Grain Winnowers:
provement in Grain Winnowers:
I claim the two serie of chutes represented by the letters, e and $d$,
when combined and arranged substantially as and for the purposes set
1,505.-S. W. Bidwell, of Hartford, Conn., for an Improved Machine for Boring and Mortising:
I claim the arrangement.of the pulless, i, belt, d, fric tion rollers, e, with the sliding arran hee
purpose described.
1,506.-C. H. Burd, of Roxbury, Mass., for an Improved Telegraphic Apparatus:
I claim the combination of the permanent magnet, $\mathbf{A}$, the two
heilces, $\boldsymbol{B}$
$\mathbf{B}$, and the non-magnetic morable $\mathbf{U}$-piece, $\mathbf{C}$, the whole
arranged substantially as explained, and so as to operate togethe
under circumstances and in manner as specifed.
I also claim the key as constructed and made to operate with a bat under circumstances and in manner as specified.
I also claim the key as constructed and made with a bat
tery the two he lices, the permanent magnet and the non-magnetic
U-piece, substantially as described 1,507.-Amos Chase, of North Weare, N. H., for an Im-,507.-Amos Chase, of North Weare, N. H., for an Im
proved Adjustable Chair:
I claim the rod, cesured to the under side of the seat, D, and fitted in the socket, $\mathbf{B}$, when used in combination with the bar or
brace rod, , connect with the back, F, and secured at its lower end
to an arm, H , which is attache toc rod, C , and is fited in a slot, c , in
the socket to an arm, H, which is attached to rod, C , and is fitted in a slot, c , in
the socket,
sliding or adjustable chaie being arranged as shown to form an improved
[An engraving of this invention will appear soon.]
1,508.-Darwin DeForest Douglass, of Springfield, Mass.,
for an Improvement in Window Blinds: for an Improvement in Window Blinds:
 Second, The rack and pinion, $G$ and $I$, or its equivalent, in combina-
tion with the guide bars, A and C and blinds, for the purpose speci-
fied, and operating substantially in the manner described. 1,509.-W. C. and J. Dunn, of New York City, for an Improvement in Carriage Bodies
 Second, The combination of the permanent open body and calash
top with a standing top, constructed as explained, the whole beimg
adapted and arranged to form a new and improved convertible body adapted a sed arrangedep, constructed as explained, the whole being
for vehicles, as set forth. [The object of this invention is to combine an open body, brett or barouche body and close or standing top coach body all in one vehicle, so that either form of vehicle, by a simple manipulation, may
be had as desired, and the whole device rendered capable of being manufactured nearly as cheap as the ordmary coach,]
1,510.-R. Finnegan and A.F. W. Schulte, of New York City, for an Improved Pressure Gage :
I claim, firstr The employment for transmitting

the flexible plate, $B$, to the index, g , of a lever, $F$, and spirally grooved
spinde, $H$, combine and aplied sustantialy as specitied the lever, $F$, Second, The movable block, E, carrying the fucrum of the lever, F,
and the screw, I, applied in combination with the slotted bar, D, or its
equivalent, and operating substantially as specified, for the adjustment equivalent, and operating
or correction of thegage.
1,511 .--John Griffin, of Louisville, Ky., for an Improve-
ment in Engines, \&c., for Overcoming Dead Point in Cranks :
I claim the combination with the crank, B, of a suspended ring $\mathbf{D}$,
suspended between springw, $\mathbf{E}$ E, so as to act upon the crank when 1,512.-David Haines, of Union Bridge, Md., for an Improvement in Hominy Machines:
Frinectirg rods, $\mathrm{j}, \mathrm{arm}, \mathbf{k}$, and crank shaft, $G$, all arranged and operatigg as and fort the p prmposes described.
[This invention relates to cerank
[This invention relates to certain novel improvements in machines for making hommy, andclearmgthe same of its bran and other impurities. The nature of this invention consists in arranging within a perforated cylinder a series of toothed beaters of a peculiar chatacter,
and in giving opposite rotary motions to sald cylinder and beaters, for he more perfect and rapid reduction of grains of corn to hominy. It also consists in the arrangement of a vibrating stirrer within the hopper forkeeping up a regularfeed, said stirrer being combined with
and operated by the crank shaft, which gives the shaking motion to and operat
1,513.-Edward Howell, of Ashtabula, Ohio, for an Im provement insewing Machines:
I claim the operating of
ranged as described, by means of the elastic paci, K, substantially as
1,514.-E.F. Hyde, of Brooklyn, N. Y., for an Improve ment in City Railroads:
I claim the arrangement of the sliding adjustable wheel, $D$, with the
axle, $\mathrm{C}^{\prime}$, and lever, E , as and for the purpose shown and described [The object of this invention is to supersede the use of the ordinary switches and switchmen which are necessarily employed to adjust or operate them, so as to not only economize in labor but also to econo-
mize in the expense of the construction of the ward at the turn-outs mize in the expense of the construction or the
as well as in keeping the same in proper repair.)
1,515.-G. L. Jencks, of Providence, R. I., for an Improve ment in Hemming Guides :
I claim the peculiar arrangement or method, substantially as de-
scribed, of uniting the fingers, 123 , upon the stock of a pressure pad,
tor the purpose specitied.
1,516.-Rhodolphus Kinsley, of Springfield, Mass., for an
Improved Bell-ringing Apparatus :
I claim, first, The employment or use of one or more hammers, $N$,
secured to a re tating platform, C and operated simultaneously and automatically with the platforn, C , so as to strike the bell, A , and
gradually rotate within or beneath it, for the purpose specifite.
Second, The placing of the hammers, $N$, within ad justable tubes or sockets, L, arranged substantially as shown, for the purpase of adjust-
ing the hammer, so that the latter will always strike the bell at right

 Fourth, I claim the combin
check springs,
and for the purpon applie specified
1,517.-W. S. Kirkham, of Branford, Conn., for an ImI claim constructing the hub, $F$, of two Latches:
I claim constructing the hub, $F$, of two parts, f g, fitted together as shown, and both parts paaced on the knob arbor, and used in con-
nection with the spring. H, the above parts being arranged with the
slide, E, lever, D, and latch, C , to operate as and forthe purpose set orth.
[This
[This invention relates to an improvement in locks or knob latches, whereby the latches may be turned so as to suit either right or left
hand doors, and properly secured in position so that they cannot be casually turned.]
1,518.-Wm. A. Lighthall, of New York City, for an Im-
provement in the Construction of Tube Sheets for
provement in the Construction of Tube Sheets for
Coolers and Condensers: Coolers and Condensers

## anner set forth.

1,519.-Henry Lowe, of Baltimore, Md., for an Improvement in the Manufacture of Caustic Soda:
I claim the molding and burnmg of artificial carbonate of lime, substantially in the manner and for the purposes set forth.
1,520 .-Richard Mansley, of Philadelphia, Pa., for an Im-
provement in Machines for Opening Rope :
 scribed and for the purpose aforesaid.
Second The combination of the beaters,, , knife blades, $b^{\prime}$, and the
adjustable feeding apparatus, the whole consiructed and arranged sub. 1,521.-James McCarty, of Reading, Pa., for an Improvement in Annealing Cut Nails
I claim annealing cut nails by confining them in a suitable vessel,
subjecting both vessel and contents o a red heat, and allowing the
whole to cool from six to twelve hours, according to the size of the
nails and tube, and maintaining the vessel airtight during the heating 1,522.-H. McKenzie, of Talladega, Ala., for an Improvement in Tanning Leather
I claim the employment or use of the root and other parts of the plant
known by the name of Ceanothus Americanus, either alone or mixed
with oak bark or other tannig materis. with oak bark or orther tanning materials, as described, for the purpose
of tanning hides or skin 1,523.-W. H. Nichols and F. D. Strong, of East Hampton, Conn., for an Implrowerent in Nail Heads : first cast upon the shank and then pressed in the manner shown and described.
[This invention is an improvement in forming ornamental metallic heads on the heads of common nails or screws by first casting a circular blank on the head of a nail or screw, suitably adapted to the size thereof, and then producing from said blank a head of the desired hape and ornamentation, by subjecting the btank to swaging dies aded to the purpose, thereby obtaining a superior article, at less cost and with less imperfect work than can be made in the ordinary methods of forming ornamental heads on nails and screws.]
1,524.-J. S. Parker, of West Willington, Conn., for an Im provement in Machines for Turning Spools :
I claim the combination of the protecting dog, E, or its equivalent,
with the cutter head, $A$, for the purpose described.
[This invention consists in the arrangement of a hinged dog, in combination with an adjustable slide, and in such relation to the longitudinally sliding cutter head that, by the action of said dog, the end of the block is kept clear of the cutter intended to square said end until, by pushing the cutter out, the other end of the block is firmly driven nto the spurs of the spur center, and a turning of the block independ nt of the said spur center.]
1,525.-F. A. Perry, of St. Louis, Mo., for an Improved Shades: I claim as a new manufacture, a thin fabric prepared in the manner anner set forth. 1,526.-J. H. Fhillips, of Waverly, Mo., for an Improve-
ment in Hemp Jrikes: ment in Hemp srikes
I claim having the edges of the clearers, a a, made in scolloped form,
and so operated and geared that the scollowed blades of one whee and so operated and geared that the scollowed blades of one wheel
shall alternately pass between the blades of the opposite wheel, thus
alternately elevating and depressing the hemp between alternately elevating and depressing the hemp between the scolloped
edges, all in the manner and for the purpose shown and described. [The nature of this invention donsists in possing the stalks of hemp or flax (the machine being well adapted for either purpose) between two breaking feed rollers which bruiseand crack the woody matter, and afterward submitting the bruised 3talks to two peculiar rotating cleaners, the slats of the wheels spread the stalks, and break away or knoek of the boon from both sides of thestalk, and, at the same
1,527.-S. S. Putnam, of Dorchester, Mass., for an Improved Horseshoe Nail Machine
 Second, to combination with of the above, I claim the connecting rods,
Send
sand $\mathbf{v}$, and eyebolts, $r$ and $u$, or their equlvalents, operating as set Thth, for the purpose specinied.
Thir I Iaiminterruptingthe action of the hammers while open,
and holdimg them open at the will of the operator, for the purpose specified.
Fourth, $I$ claim the rod, $I$, in combination with the levers, $G$ and $H$,
and with the hand lever, W, and lever, $r^{\prime}$ or their and with' the hand lever, W, and lever, $r^{\prime}$, or their equivarents, $\mathbf{G}$ and H , t ,
hy the hammers may be stopped and started at the wll of the operator, as set torth.
Fifth, The gage, d2, which is brought into position to gace the nail
roo while the hammers are stationary, and is drawn nut of He way before they are again started by devices acting by the power of the ma-
chine itself, but brought into action of the operator, as set forth.
Sixth, I claim the rod, F, with its notch, 15 , and shoulder, 2 , in com.
 with, whereby the nailrod isalwaysreturned to its position, and the
cutter, $y$, is raised out of the way of the hammers before they are
started, as set forth. 1,528.-G. W. Rains, of Newburgh, N. Y., for an Improved Apparatus for Steam Boilers
relativcly to the water pipe or passagc, a, and in combination whth a piston rod passiug
throughte bottom of the cylinder, substantially as and for the pur-
pose specified. Second, Furnishing the piston, B, with one or more valves, e, ap-
plied to operate substantially as described for the purpose set forth.
Third The independent plied to operate substantially as aescribed for the purpose set forth.
Third, The independent weight, J, applied to the piston rad, C, to
operate in combination with the dog, IL, substantially as and for the purpose specified.
[This invention consists in certaimimprovements in the apparatus which constitutes the subject matter of Seller's patent, issued to the same inventor on April 24, 1860, and re-issued July 24, 1860. It could explaine without an illustration. 1
1,529.-J. R. Robinson, of Boston, Mass., for a Damper for Steam Boilers
I claim the oombination with a sliding damper applied to the rear
tube sheet of a horizontal multitubular boiler, or a stationary frame,
C interposed between the said tube sheet and the C, interposed between the said tube sheet and the damper, to form a
space between the said damper and the tube sheet, substantially as and
for the for the purpose specified.
And I also olain ine construction of the so applied frame, $C_{\text {, with }}$
two or more openings, b bl b2, each or a size to communicate with one two or more openings, b b1 b2, each or a size to communicate with one
or more tiers of tubes, said openings beeng separated by bar-like parti-
tions, which either fit 0 the tube sheet or not, as shown atd and e , in 1,530.-J. R. Robinson, of Boston, Mass., for an Improvement in Valve Gear of Steam Engines
I claim, first, The employment of two eccentrics connected by a link,
for the purpose of closing the ports at various points in the stroke of
the piston, in combination with independent mean of opening the the piston, in combination with independent means of opening the
porss for the induction of stean, substantianly as described.
Second, The employment in combination with the so applied link, and its supporting rocker, $X$, of a t togle, $O P$, so arranged and applied
that, by a continued movement in one direction, it will carry the link that, by a continued move ment in one direction, it will carry the link
throungout tits whole range of motion on the valve wrist, and back
again, substantially as and for the purpose specified. again, substantially as and for the purpose specified.
Third, The employment for combining the throttle valve with the
toggle, P , which effects the movement of the cut-off link, of a
toothed pin, p, notehed hook, Xor or its equivalent, a stationary pan toothed pin, $p$, a notched hook, $X$, or its equivalent, a stationary pan,
$\mathrm{p}^{\prime}$, and a spring, $\mathbf{q}$, the whole combined and operating substantially as
specified. 1,531.-J. B. Sawyer, of Templeton, Mass., for an Improved Cane Seat for Chairs :
I claim, as a new article of manufacture, a cane bottom chair made
single but the strandsor ratan in which are so interwoven as to form a contunuous bearing surface, and are sec ured to the frame, $\mathbf{A}$, by suit-
able holes, fi, in the manner substantially as specified. 1,532.-W. B. Strong, of New York C̣ity, for an Improved Trunk Convertible into a Bedstead :
I claim a trunk formed of two equal parts, a a', connected by hinges rame, c, a framing co mbined with bars, e d, a cover, C, of waterproof
cloth or mosuquito netting, and a suitable matress, B, al arranged to
orm a combined army trunk and bedstead or couch, as set forth
[The object of this invention is to combine a trunk and bedstead in uch a manner that the trunk may have nearly its usual available ca pacity for the reception of clothing, and still admit of being readily con

The use of the army. Oficers and such members of the army as are allowed to carry trunks with them while occupying the tents of a flying gimp, cannot be generally provided with anything in the way of a bed stead to keep them elevated above the surface of the ground $]$
1,533.-E. F. Slocum, of Chicago, Ill., for an Improvement in Lamps
claim the combination of three or more springs with a lamp top, ar
1,534.-E. W. Smith, of New York City, for an Improve
ment in Steam Engines: : of a marine steam engine by in-
I clain, first Heating the cylinder on
closing said vyinder in wholo in in part within steam, which is gener-

1,535.-George Smith, of New York City, for an Improve
ment in Combined Burglar Alarm and Animal Trap
I claim the sere, E, arranged or pivoted as shown, to admit of
cords or chains being attiached to bouth ends of it, in combination with

and for the purposes descrived.
connected to one or more doors or windows of a building, so as t sound an alarm if anyone of them is opened, the implement at the same time being capable of advantageous use as an animal trap.]
1,536.-Abraham Stroh, of Port Jervis, N. Y., for an Im proveil Car Coupling

and described.
f.an hat will admit of cars having liatforms of dile erent lengths being connected together, the coupling also admitting of a perfectly free vibra on of the cars both laterally and vertically. Another object of the invention is, that it may couple itself and the parts be so arranged that in uncoupling or disconnecting the cars, the piece used need not be withdrawn from the draw-head but merely elevated a certain distance The invention has further for its object the applying of springs in such manner as to insure durability and a perfect action thereof.]
1,537.-S. C. Sturtevant, of Cleveland, Ohio, for an Im
provement in Tubular Grates for .Steam Boilers: I claim a series of detwehabile flue grates when
with the pipe, $F$, its and for the purpose specitied
1,538.-John Trageser, of New York City, for an Improvement in Apparatus for Evaporating Liguids

1,539.-A. H. Trego, of Lambertville, N. J., for an Improvement in Car Coupling
I clain the staching of rods or bars, C , to the bolts, B, when the
said rods or bars are arranged as sin own go that their lower ends may
st the bolis are elevated, drop by their own gravity in sadid rods or bars are arranged as shown, so that their lower ends may,
as the bolts are elevated, drop by their own gravity inte the back karts
of the draw-heads and sustain the bolts, the rods or bars being at the same time, in such sosition as to be act acted upon or throvvnout by the the
entrace of the shackle or link into the raw-heas, so that the bolt
may drop into the linis, substantially as described
1,540.-C. Van Name, of Binghamton, N. Y., for an Improved Stanchion for Canal Boats
I claim the employment of cast iron stanchions, $A$, with fianches, a
, and attached to the deck, B, by.means of bolts, $c$, , as and for the
purpose descrived.
[This invention consists in the employment, for the purpose of sup orting the rail, of a cast iron stanchion secured by bolts, which pass hown through the deck, ore of them into one of the beams which support the deck, and another into one of the ribs, in such a manner that n the rail does not injure the structure of the boat
1,541.-James Weathers, of Greensburg, Ind., for an Im provement in Heading Bolts:
I ciam the headingtool, A A A
op ${ }^{\prime} B, C, \mathrm{C}^{\prime}, \mathrm{c}, \mathrm{D}, \mathrm{D}^{\prime}$, constructed and
opting substantialy as set forih.
1,542.-E. R. Weston, of East Corinth, Me., for an Im
provement in the Process of Converting Iron into Stee by Cementation
I clam the use of the fused or fusible metal upon the clay covering
in the crucible, as set forth.
1,543.-S. R. Wilmot, of Brooklyn, N. Y., for an Improve-
ment in Hoop Skirts: with a lip or stop, , , of a length equal to the thickness of the hoop,
substantially as and for the purpose set forth.
[The object of this invention is to provide tips and slides for the hoops of skirts with stops, so arranged as to prevent the hoops from slipping hrongh them and at the same time admit of the tips and slides bein tion of any kind, thereby greatly economizing in time in their manufacture.]
1,544.-S. E. Woodworth, of Murpliys, and J. E. Weth
44.-S. E. Woodworth, of Murphys, and J. E. Weth-
ered, of San Francisco, California, for an Inproved Arastra :
We clamm the combination of a cast iron arastra with ball bearings,
$G \mathrm{E}$, and ball pivot, $H$, of hollow center shaft, $I$, constructed in
$G$,
1,545.-G. W. Bridgman (assignor to himself and Osgood Dane, ) of Somerville, Mass., for an Improvement in Car Brakes :
 the racks, I I, the gear, H, and the two pinons, G G, and drums, F F,
or the mechanical equivacat suchpinion, And diums, applied to
the carriage body or plat ormin frame, and the draft chains ot the brakes I also claim the arrangement and combination of the hand wheel
shats, $N$, pinions, $M$, $M$, and racks, $L \mathrm{~L}$, or their mechanical equiv
aients, with the carriage and the rack bars, $K$, the racks, II, the gear, H, the two pinons, G G, and drums, FF, or the mechanical
equvalen of such pinions and drums, the whole being to operate sub-
stantially as and for the purpose or purnoses, as specited

1,546.-S. L. Fitts (assignor to C. and G. C. Winchester) of Ashburnham, Mass., for an Improved Boring Ma chine
I claim the construction of an automatic machine for boring holes
around the edge of an irregular-shaped article, when arranged and operating substunially as set torth.
Second, I claim the ratchet, and feed mechanism, © PQRS, in
combination with the revolving buring or drill shaft, D; operating sub. Second, I claim the ratchet, $r$, and feed mechanism, $\bullet$ P QR S, in
combination with the revolving buring or drill shaft, $D$; operating sub-
stantially as described. Third, I Ilaim the sliding carriage, I , and spring, L. for holding the
carringe, M, ut the stop, v , or its equivalent, operating substantially
in the manner set forth.

1,547.-A. M. Hill (assignor to W. S. Kirkham), of Branford, Conn., for an Improvement in Locks and Knob Latches
[This invention relates to a simple means for admitting of the latch of the lock being turned to suit either a right or left hand door, an consists in leaving the outer part of the latch fitted in a collar which splaced in the face plate of the lock case and allowed to rotate theren , thecollar being retained or prevented from casually turning by means of a catchor fastening.

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re-issues.
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90.-J. A. Vaughn, of Cuyahoga Falls, O., for an Improve ment in Grain Separators. Patented April 24,1860 . Boards, having a shake motion imparted to them with a short tan, when 91.-J. A. Vaughn, of Cuyahoga Falls, O., for an Improve ment in Grain Separators. Patented April 24, 1861 I claim in combination with a series of zig-ag screens or riddiles,
and a series of directing boards having a shake motion, the stationary
receiving chambers, for recedving the mathrial from the screens, subreceiving chambers, for recelving the material (rom the screens, sub-
stantially as herein descrived.
I also claim the combination of the series of zig-zag screens and diI also claim the combination of the series of zig-zag screens and di
ecting boards having a shake motion, the stationary receiving cham
bers, and short tan, when arranged to operate sibstautiaily as herein described.
I also claim the combination of the directing board, $P$, cockle riddie
and cockle board, substantially as and for the purpose herein de scribed. 2.-Ira Perego, Jr., of New York City, for an Impr
ment in Shirt Bosoms. Patented Sept. 25, 1860 : ment in shirt Bosoms. Patented Sept. 25, 860 : suitable mat
set forth.
Second. A shirt bosom having the upper portion thicke
[Theobject of this invention and improvement in shirt bosoms, is to prevent the upper part of the bosom, which is in sight, from rumpling $r$ drawing up, and thus presenting a very unsighty appearance after being worn buta short time. The náture of the investion consists in the employment of an extra thicknes or hom, roper suble material supplie to the bosom ne:1.ft. triat ti. red less fiexible than the or that part whichis in wism. w.in rem tares in arched and ironed in the usual manner. It will be perceived tha the unstiff ened part will break first and have the eff ect of keeping the
upper portion stiff and unbroken for a considerable length of time.]
designs.
67.-Levi L. Tower (assignor to Cutter, Tower \& Co.), of Boston, Mass., for a Design for Trade Mark.

## New Books and Periodicals Received.

Tre Athantic Monthly. Published by Ticknor \& Felds, Boston.
The Jumber is full of patriotism and heart-stirring literature It opens with an ode, entitted "Marching Orders," the periods of
which thrill unpo the ear like the sound of marching armies poing
forth to batle. It also contains a spirited and tovihing arricle Washington as a Camp,", by the latelamented Major Wint hrop, also
touching biography of Colonel Ellsworth, who was assassinated at
American Journal of Photography. Published by CharlesA. Seely, No. 244 Canal-street, New York.
This orignai. able and most usetul iounal connected with photo-
Taphy commenced a new volume this month, in an enlarged and graphy, commenced a new volume this month, in an enlarged and
improved style. It is a semi-monthl publication, and deserves the
support of the entire photographic propession. Its editor is an able improved style. It is a semi-monithly pubication, and deserves the
supprt of the entire photographic propssion. Its editor is an able
chemist, as well as prof essor of photography and the allied arts.

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H. H., of Mass.-Your pistol bomb is an old thing, and not patentable. The drilling of radial chambers for powder and ball as an improvement on the shrapnell shell.
A. D., of Mass.-Of your specimens, No. 1 is a sulphuret of iron becoming oxydized; No. 2 is quartz; No. 3 is one of the com plex earths-it contains clay and magnesia; and No. 4 is gneiss or stratiae granite, the shining particles being mica. All four are worthless. You would gain nothing by placing an undershot whee below an overshot. On the contrary, you would lose that portion of the fallrequired to fill an
R. E. G., of N. Y.-You will find illustrations of a good valve for an oscillating engine on page 81, Vol. XII. (old series), of our iournal, and another on page 256 , Vol. I. (new series). The for
mer' was invente by Cridge \& Wadsworth, of Pittsburgh, Pa the latter by Adam Wood, of Arsenal, Pa
Y. G., of N. Y.-You are entitled to withdraw $\$ 20$ on your rejected case if it wasfiled in the Patent Onice previous to the 2d March. Since that time the schedule of fees has been changed We mail you one of our pamphlets of advice to inventors, which we send free to any one who may wish a copy.
N. P., of N. Y.--You seem to be prolific of inventions, and it seems to us that youridea sa re novel. Send us sketches and a de scription of your devices, and we will carefully examine them.
C. B. K., of Mass.-You will find a good rifle illustrated in T. H. W, f P We We think tho in , of Pa.-We have received your very kind note in reference to the renewal of your subscription. We certainly fee ery much obliged to you ror your past exertions in endeavoring t extend our circulation, and we regret exceeding to hear of you suffer from this heavy national ca lamity, and do our best to support the government, without which we are in a state of anarchy and disgrace.
B. H. J., of N. J.-We suppose that no nation in the world is making stronger efi orts toward advancing in the arts than France and we infer from this fact that useful inventions ought to be valufrancs to enable French manufacturers to purchase improved ma chinery, and thus compete with the English manufacturers. Wear not possessed of full particulars of this judicious movernent.
). C., of N. Y.-Fillsworth, in his act of taking possession of the secession fiag at Alexandria, showed courage; but it was a hasty and ill-adise movement. Having taken military possession of the town under the orders of the goverement, he had a right to re move an emblem of offence to that government. He should have first called upon the proprietor of the Marshall House to remove it and, upon being refused, a force adequate to this end ought to have been detailed by the Colonel. He should have remained in charge of his regiment.
B. H. W., of C. W.-The specimen of stone which you send us is perfectly worthless. We are much obliged for your suggestions, and will take them into due consideration. We hope you will be able to procure a large list of subscribers in your vicinity. C. C., of Conn.-It is impossible to fix any definite scale of values respectingpatents. This question has been discussed time and again, without any practical results. Itrecently came up befor a cond and a and merch 14 . a system of government payments proportioned the value of the pression the the was granting patents was the very best which had ever bren devised for granting patents was the
fostering art and science.
P. S., of Md.-Brown linen cannot be prevented from washing white, as the repeated application of soap and water
bleaches the linen. We not think there $1 s$ any chemical that will bleaches the linen. W
F. H., of Pa.-You are unquestionably right in asserting that, "since the introduction of gunpowder and frearms, wars have been less sanguinary, because decide wih greater rapidity." The listory of ancient and modern warfare fully confirms this assertion. E. B., of N. Y., asks :-" Is it patentable to apply an old principle to a new purpose"" We
H. L., of N. Y.-Spectacles which would enable persons to see at night would be very useful, and, no doubt, very profitable to the discoverer. They would be of great advantage to night-scout ng partie
D. D. G., of Mass.-If you have been a careful reader of our paper, we are surprised that you should be ignorant of the name
of the Commissioner of Patents. Refer to your back numbers, and of the Commissioner of
you will soon find out.
H. C., of Md.-We have examined your alleged improvementin conical shells, and it seems to us that you have hit upon an excellentidea. We adrise you, by all means, to try an experiment and test its merits. There may be some radical defect in it that can only be found out by actual trial.
S. M. G., of Vt.-We are glad to learn that your invention works well, and that you are offere a liberal sum for the right. The patent law docs not require a citizen to work or put on sale his pat ent within any specified time. This is required only of foreigners. E. M. F., of Pa.-We believe you can obtain the composi tion used in printers'rollers in Philadelphia, from any nerson who sells printers' materials; if not, E. R. Webb \& Co., corner of Fulton and Dutch streets, this city, will supply you
R. W., of N. Y.-The city of Washington was taken by the British, under General Ross, on the 24th of August, 1814. The army of the invaders numbered only $4,000 \mathrm{men}$. They lavded at Benedict, on the Patuxent, on the 20th, and marched for three days to the capital. The American militia, numbering 8,000 , did not stand five minutesafter the British opened fire; but the saiiors under Cap tain Barneyderended their batery to the last inch. Rather than retreat, they suffered themselves to be cut down at their guns. General Ross declared that had the militia behaved like the sailors the British army would have been muihilated. They lost 500 men mostiy by the cannon of the
R. W. T., of N. Y.-lf you propose, by establishing the revenue laws, of course it would not be ?ermitted

## Money Received

At the Scientiflc American Olfice on account of Patent Offce business, during one week preceding Wednesday, June 26 1861:-
A. M. ©., of Wis., $\$ 25$; O. B. \& K., of ©., $\$ 15$; C. C. P. W., of N. Y., $\$ 43$; J. E. F., of Mass., $\$ 25$; J. H. S., of N. Y., $\$ 15$; A. W., of of Mich., $\$ 10 ;$ L. D. G. of N.J. $\$ 15$; G. K., of N. Y., $\$ 250 ;$ F. G. L. ol Iowa, $\$ 25$; G. W. B., of N. Y., $\$ 43$; R. W., of Pa., $\$ 15$; C. M. P. J.., Mass., $\$ 25$; F. $\&$ H., of N. Y., $\$ 10$; S. \& L., of N. Y., $\$ 20$; J. L., Jr., Mass., $\$ 25$; F. \& H., of N. Y., $\$ 10$; S. $\&$ L., of N. Y., $\$ 22$; J. L.,
o Mich., $\$ 15$; B. \& R., of Ohio, $\$ 25 ;$ A. H. H., of Mass., $\$ 15$; J. J., of Mich., $\$ 15$; B. \& R., of Ohio, $\$ 25$; A. H. H., of Mass., $\$ 15$; J. J.,
of N. Y., $\$ 75$; G. W. B., of L. I., $\$ 20$; H. H., of Ill,, $\$ 10$; S. I., of Pa., $\$ 10$; G. D. H., of Ill., $\$ 1 \overline{0}$; J. M., of ©., $\$ 15$; G. R. S., of Wis.,
 $\$ 15$; T. C. It., of Mass., $\$ 15$; J. B. McM., of N. Y., $\$ 2 \pm 5$; T. F., of Y., $\$ 15$; W. H, of Ct., $\$ 15$; J. C., of Pa., $\$ 20$; J. C. B., of N. Y., $\$ 20$; N. G. S., of N. Y., $\$ 20$; L. B. S., of C.., $\$ 20$; B. T. B., of N. Y., $\$ 20$; B. S., of N. Y., $\$ 20$; C. B., of N. Y., $\$ 20 ;$ G. \& S., of O., $\$ 45$; D. S., of N. Y. $\$ 20$; E. C. M., of Iowa, $\$ 25$; F. B. McG., of Md., $\$ 25$; W. M., of Hass., \$25 ; M. D. C., of Vt., \$25; E. M. A., of Iowa, \$25; D. L., of V., $\$ 20$; W. M., of Mass., $\$ 45$; A. D., of N. J., $\$ 20$; O. L., of N. Y., $\$ 40$; P. D., of N. Y., $\$ 25$; S. E. ©., of Ohio, $\$ 25$; A. M., of N. Y.,
$\$ 25$; G. \& S., of Ohio, $\$ 25$; C. N. B., of Pa., $\$ 25$; W. S., of N. Y., $\$ 15$; W. F., of In., $\$ 35$; C. H. B., of Pa., $\$ 20$; E. S., of Mass., $\$ 20$; L. H. D., of Iowa, $\$ 20$; A. H. B., of N. Y., $\$ 43$; J. G., of L. I, $\$ 20$; E. K.
M., of N. J., $\$ 25$; G. S., of N. Y., $\$ 20$; S. $\&$ L., of N. Y., $\$ 10 ;$ S. S. H., of Mass., $\$ 25$; B. M., of Ind., $\$ 15$; J. B., of Ohio, $\$ 25$; H. W. W., of of Mass.,
Cal., $\$ 20$.

Specifications and drawings and models belonging to parties with the following initials have been forwarded to the Pat ent Ollce from June 19 to Wednesday, June 26, 1861 :
R. W., of Pa.; F. G. L., of Iowa; J. W. C., of Mich.; S. E. O., of Ohio; A. M. O., of Wis. ; B. \& R., of Ohio; W. F., of Ill.; S. S. H., of Mass.; A. H. B., of N. Y.; C. M. P., Jr., of Mass.; P. D., of N. Y.;E. K. M., of N. J.; G. W. B., of N. Y.; W. E. F., of Mass.; G. S., of N X.; G. W. B., of L. I. ; M. D. C., of V.; J. B., of Ohio; B. M., of Ind. A. M., of N. Y.; H. W. W., of Cal.; S. \& L., of N. Y.

