

Iosued from the United States Patent Onfe yor tide theis enming jantary $5,1858$. [Raported offcially for ihe Scientific American.]
SEED Pr.ANTERs-HH. F. Baker, of Centerville, Ind.
I do no claim broady, the uso of clearers, in combina-
tion with seed drill teeth stion tion with seed drill teeth, as this is common.
But I claim the arangement of hook poointed edged
blades, or other suitablececlearers, in such relation to the
 come on opposite sides of the teeth, and pass down
slighthy below the points of the same, substantially as
and for the purposes sct forth. [For a
umn.]
Spinning OAkLM-Smith Baldwin, of St. Louis, Mo. Mo.
I claim, first . The employment of two series of revolving, straight or knife-edged combs, $J, J$, arranged and
operating as descri bed. for the purpose of taksing the
webo of thrded oakum in
do unter.
 e. belonging to the firsst, conductors, $P P$ P. of t.
er, S , operating as and for the purpose speci fied.
[A notice of this will be found on another page.]
 in general terms, the idea of drawing the upper end of
the brake lever, $x, \& \in$., towards the center of the car (thus clampinct the whecls with the brake blocks by a
winding upor the chainsat the end of rods, ${ }^{\text {m m }}$, for this
has been done already by means of a rod passing up has been done already by means of a rod passing up
into a car with a wheel fixed at its upper end, and
ind worked by a man usually called a brakeman.
Bat we claim the drum arranged and worked as set

 Soppur-Cocks-Wm. S. Carr, of New York City: I do
not claim the use and secondary supply of water, neither
do I claim any peculiar arrangement of pipes, in con-

 of my invention
But I claim a
 equivale
water b
cified.
PaINT VEriouss-A. C. Church, of Union City, Mich.
I claim the compond for nixing paints, composed of the within specified materials, condinined in the manner
substantially as and in abont the proportions set forth. substantially as and in abont he prob
[This is described on another page.]


 W, and the slides, , d, connected topether, and orarat.
ing in the manner set forth. for the purpose of making
such a separation of the round material as will obvint ing in the manner set forth, for the purpose of makin
such a separation of the rround material as will obviate
the neesity of requiring the bott to arry the material
any farther than
 that wbich is too light to be re-ground, to the stones, a
explained. Bolstrir for Plated Table Kninmo-Orestes Cleve-
land, of New York City I claim a table knife made
substantially as describca. [The object of this invention is to supply a bolster to plated knives, so that when the plating wears of the
bolster, it being made of a white metal, if the blade is bolster, it being made of a white metal, if the blade is
coated with silver, or a yellow, if gold is the plating emwith the blade, and the wear will not be soon dis-
covered.]
 glove, as dessribed, as a new article of manufacture,
when constructed and onerated substantianly in the
manner and for the purposes set forth. manner and for the purposes set forth
 the required novement along the plattorm and parallel
or thereabouts vith the same, by mean of the siding
frame, E, and sloted bracket, i, in combination with
fhe lever K , the lever, Ke arm, M, and sements, m and n, when ar-
rangedin relation to each other as shown, and for the
purpose specified.
 pendayes, by means of the connected radial arms, G
and $\mathrm{G}^{\prime}$, as actuated by the crank, D , and rod, F . SEEDivg Macuinss-I. H. Conklin. of Rockford, III.
I clain, first, The hoppers, j, and the hoper,
arranged with the bare arranged with the bar, B, as shown, and usedin con-
nection with the bar, provided with sharesag de-
grcied so that the seed may, by the gane mechanism,
be distbibuted trom either hopper, and sown either in
 and provided with teeth, d, arranged in connection
with the disk. ${ }^{\text {bit }}$ for the purpos of operating intermit-
tently the bar. B , for the purpose specified. [This invention consists in the peculiar construction of the machine, whereby it may sow either in hills,
drils or broadcast, and give a greater or less quantity of









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Fio description of this appears on page 147.]

 way there
[The object of this invention is to avoid the necessity of re-bolting al the meal, good and inferior, in one an
the same bolt, and thereby keeping the superior portion free from those substances which darken it or render it speckled.]
 that in the patent of Geo. Jarvis, 1843 , a rack and
pinion are used tor the purpose of iving the necessary
cxtension of the side frame, therefore I disclaim suck uxtengion or the sidc frame, there fore I disclaim such
usof rack and pinions.
I caim the combination of an adjustable foot-piece
, with the board, A, substantially as set forth [This is a very good splint to hold fractured limbs in a sition while healing.]
SEED PLANTEES-Marshall Hunt and J. H. Haines,
of Rising Sunt Mad: . We claim a vibrating shide formed
with an offect, d, substantially in the maner and for The purpose decsiribed.
Scoond. Givid slide a vibrating motion by
means of cross-heads, G, having a third arm, $H$, ex meang of cross heads, G , having a third d arm, H , ex-
tending fronits hubstantially in the manner and for the
purpose sct forth.
 the levers iuto dots, lines, and spaces of any desired
lenght, herchy securnin perfect mathematicacalacecurncy
in the fornation of the
"Morse Teles
"Manh Alphabet." BrT IIOIDER-B. B. Hill and S. W. Adams, of Chico-
pee. Mass. . We claim the combination of the tovo boxes
or berins
 Hypranct-John Hyde of New York City: I I clain
the apppication and use of asiphon to hydrants for the purposes specififed, const tructed and arranged substan.
tially as set described.
Condurss-James Ingram, of New York City : I claim
 nation with said fugers, a ${ }^{\text {a so }}$ set and actuating,
claim the clamp plate, c , on the rod, c , for the purposes
spccified. Messurn
 the armo lever, C the mechanism carried by such
lever and the indicator apparatus, the whole being con
structed levcr and the indicator apparatus, the whole being con
structed and made to operate substantially in the man
ner and for the purpose set torth.
 ranged substantially as and for the purpose set forth.
Second, The peculina means employed for searing
and adjusting the bolt, I in the pengulous frame, E
and
 [A description of this invention will be found on an-Crunk-S. F. Lefler, of Racine, Wis. : I claim a churn
constructed in two compartments. $A$ and $B$ the on constructed in two compartments, A and B, the one
open and other closed, when rovided wink gate ways,
and $y$, and gate, $G$, or their equivalents, the whol being, arranged in the marner substantially as se
forth, wherchy the creamduring the operation of churn
ong is passed in a continuous current through them, an ing is passed in a continuous current through them, and
 che arm.
sut c caim the mode described of attaching spira
cutters to the curve segmental surface of the arms by tongues and grooves for the deternnination of their pro
pern poisition, and for forming recesses for the head oo
the bolts by which they are affixed alla fuly set forth. Process For Dyaina Suk-Nicholas Mary Aine, ot
Philadelphia, Pa.
the combinimed action of sumbitting the faning, and to that of friction rollers, during or after the dyeing process, as described
 been proviously used and arranzed in a great variet
of ways, and Ithere fore do not claim separately, eithe
of the parts shown. In claim the arrangement and combination as shown
of a lever, D, washhoard, $B$, arm, F, and dasb-bord
G , so that by the movement of lever, D , the boards, B
 vork, and by ar reverse movement of lever, D, the
boards, G G, will simultaneously zeparate, and eave
an open space tor the admission or removal of the
clothes.
[This invention consists in the employment of an ad justable wash-board and a reciprocating dash-boar
placed within a suitable box, whereby a very efficien machine is obtained, and one that may be made to oper-
ate equally well for light or heavy articles, fine or ate equally well
coarse fabrics.]
 at an angle to each other, with each leg of the angle
hinged to the bed, ot that' he apex of the angle can b
raised from the bed to insert the sheets of metal, an closed down upon them to bend them, and raised agai
to remove the bent shets, an described.
And in combination with the described clampin
 described the spring gage, R, so arranged that it may be
raisedim to gage the sheets, and spring down, so that it
may be removed.

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 joints, so that the whisks of broom corn may be secured
or clamped between them, for the purpose set forth. [This invention consists in having a metal socket at-
tached to two clamps, whereby the whisks of corn are firmlysecuredtogether, and also the socket which reeives the handle is firmly secured to the whisks of tained. $]$
METAL Tips Fon ToEs of Boors And Shoes-George
A. Mitchell. for Turner, Maine: I am aware that in
 tion of such tips to lasts.
I claim a boot or haoe toe part of which is provi-
ded with a m metalic tip, A, as described. Corton Gris-James F. Orr, of Orrville, Ala, in
claim malking in the ribs or grates of coton gins, either sinted or riegid, one or mo
seed and dirt, as set forth.
 or other suitable speed governor to re gulate the motion
of the machine or instrument with, or by which such governor is driven, by making the goverror close and
break a current of electricity, which operate anelectro-
magnetic contrivance, arranged to work whatever demagnetic contrivance, arranged to torrk whatever re-
mice ormechanism is employed, to change the speed of
the machine or instrument, as described.
C. Yonstrucrion of Ships- John Reeves, of Brooklyn, ship, hull together, and nlso preventing vibrations of
the sides of the hull, by means of stron knees which
conform to the curve of the bilge and diagonal braces

[Fordescription of this invention, refer to another age.]
 provided with the sockets, e, and the rod, F, provided
with the catch, , in combination with he rod, i, and
corrugated plate, j , the wholearranged and operated in [This is described on another page.]
MANUFACTURING PapER-Stephen Rossman, of Stuy-
vesant, N. $Y: I$ am aware that the usc of guide rollers in various relations to the main cylinders is common in
naper machiner, e examples are seen in the patcots of
G. Turner. January 27,1852 , and D . G. Jones, Dc-

 I claim lifting the web of paper from the upper press
roll, c , me mean of a lifting roll, F , arranged and oper-
atins as et forth.
[We have noticed this invention in another portion [We have notic
Shears for Cuting Bank Notes, \&C.-Stephen P.
Ruggles, of Boston, Mass. $: ~$ I claim the keeping of the moving blade in close and equal contact with the sta-
tionary one throughout their entire length, and the altionary one throughout their entire length, and the al-
lowing of the blades toseparate at the heel when in the act of cutting, as described and represented.
 movable or detachable bottoms and sides of the vessel, that they may bbedropped out, and thus,
vessel of its weight, in the manner set forth.
 nan arranged in releation to each other, in the manner
as and for the purposes set forth. Raminoad Car Couthing-John Schneider of Chi-
cago. Ill.: I claim the circular rotating hook bolt, in combination with tumbler and trigser, when so coon-
structed and arrangea a to operate substantially in the
manner set forth manner set forth, that is to asy, when both the ooupling
and uncoupling efictect automatically, by lifining the
bolt for the passage of the link, either by the direct ac-

Orspre Opreners- John Seipel and William Rupp, of
Washington, D. C: We claim the hollow shaft, in com-
 rest, the whole being
tructed as set forth.
TURNING Lathes-William D. 7 Sloan, of New York
Gity: Inaim the combination of the series of radially
sliding resta, as described, in combination with the seSity: I craim the combination of the series of radialy
siding roesta, as deseribed, in combination with the se-
ried.
Dentisis' Operativa Chair--George W. Tripp, of
Auburn, N. Y. I claim first, The arrangement of the holding and releasing caithes and of the adjusting
mechanism, as escribeat sothat althe adusiment
can be made from the rear of the chair without stooping.
Second, The combination of supporting rods, 1 , with
the nclining link, r, arranged as described, for the purpose set forth.
 road rails, in order that they may rest more firm on
their foundation, and for increasing their strenth and
solidity, thereby rendering them less liable either to
tion fractures, wear, unevenness or destruction at their ends
or joints, essentially in the manner described and set
forth.
Porth. liams, of Farmingdale, N. J. We We dont claim the emin planting, being aware that such has been be fore used.
But we clam the combination of a trippong fork, H, H,
with areciprocating trolgh, I, so that the fork will by
inh a uniform movement, alternatelyo take a potato from the
troulsh and deposit it in the drill tuke as specified.
 per L, provided with removable bottoms, m m, where-
by hepotaoed are rippiid as fast as required to the
the troughs as described. the troughs as described.
Wealso claim the wedge-like projections h , in com.
bination with the recirocating trough, in the manner
and for the purpose set forth. bination with the reciprocating
and for the purpose set forth.
I Hapvestire-Jesse Whitehead, of Manchester, Va. : fore on harvesters, therefore I make no claim to a con-
cave wheel as such.
 nation with the recess in the shoe, for receiving the
rim of azid supporting wheel, the whole being construct-
ed in the manner and for the purposes set forth.

 Cerns or gurdes acting in combination with sprinss. ${ }^{\text {pat- }}$ But claim the use of cuttersides, $M$ and $N$, moving
tion with the lecting by their own weight, in combina-
 L, eonstructed nad a.
and ${ }^{\text {as }}$ described.
Iturther claim
Itirther claim the combination of the cutter slides
and cutters, arranged and operated as described, with
the slides, H and $J$, and their operatin and cutters, airanged and operated as described, with
the slides, H and J and thir operating mechanism, so
at st support the article being turned as to support the article being turned close to the cutt-
ters, exceeting when the square parts of the article
need passage through the said slides, substantially as
described.
Osonlating STEAM Eng ines-Adam Wood, of Pitts-
burgh, Pa. I do not claim the exhaustion of the steam
through the valve hrough the valve.
Nor or ol clady, the attachment of the steam
chest to the cylinder to oscillate therevith, and operate in combination with a stationary valle.
I claim the employment of a treble-armed centrally
ananced valve D, ,
[This invention relates to the arrangement of the
steam-chest, the valve, and the passages for the induc-steam-chest, the valve, and the passages for the induc-
tion and eduction of the steam to and from the cylin-
der.] der.]

 lowed to turn so as to accommodate itself to the lateral
movement of the looper.
Second. The combinan of the finger, p with the $\underset{\text { Hossisnor to John - Eana Falirney, of Deep River, Iowa, }}{\text { Honaldson, of Mount M Mris, IIL) }}$
 slides one arranged at top, and the othy at bottom of
the cylinder, sided ilides beling operated alternately by
cam wheel, driven by a worm whecl and screve shaft,
 to me on the 15th of May, 1855 , the employment of


 [This hominy mill has an intermittent feeding and discharging device, so that only a certain quantity of
corn is admitted into the mill at once, and when that is thoroughly broken it is discharged, and a fresh quan tily admitted.]
 combination of the bars, B, by linking together the ex-
tremitias of the arms, when the sato bars and arms
are arranged in cespect to each other, as set forth. arc arranged in respect to each other, as set forth.
[Full particulars of this invention will be found in another column.]


 Ingtrungent for Orening Cans-Ezra J. Warner,
(assignor to himself, William H. Warner and Mufus F , Hitchococ, of Waterbury, Conn. Wirner and claim the combi.
nation of the carved cutter, a, with the looped bar nation of the carved cutter a, with the looped bar, c,
when constructed and made to operate, substantially as
described.

STovEe-N. S. Vedder, of Troy, N. Y., (assignor to W.
Eddy, of Waterford, N. Y.). Cooks' STroves-Garretson Smith, Henry Brownand
Sanuel H. Sailor, of Philademiphia, Pa., (Cassignors to
Alexander Small and E. G. Smyser, of York, Pa Stoves-Charles J. Shephard, of Brooklyn, N. Y

PLows-Beniah C. Hoyt, of Port Washington, Wis,
Patent
 propelling or driwing wheel, N , as and for the purposes
set forth.

## Our Patent Business.

During the last three weeks, sixty-five patents have been issued to applicants whose papers were prepared at the Scientific American Patent Agency. This is unprecedented in the history of inventive progress, and cannot fail to attract the attention of all who have patent business to transact. We pay special attention not only to the preparation of applications, but also to rejected cases. We invite all who have such cases to correspond with us. Our force is equal to any amount of business of this character that may come into our hands.
Circulars of information sent free.
Philadelphin Statistics.
The Pennsylvania Inquirer publishes certain statistical information of the above city, from which we extract the following. In 1857, the mean temperature for the whole year was $51^{\circ} 01^{\prime}$; 1856 being but $51^{\circ} 20^{\prime}$, the average of the whole year differed but a part of a degree from the preceeding. In 1856 there fell 43.92 inches of rain, while in 1857, 42.20 inches fell-a decrease of over one inch. The quantity of gas made in the three works belonging to the city was $470,000,000$ cubic feet.
A magnificent electrical machine has heen constructed
Mississippi

