

Reported Officially for the Scientific American LIST OF PATENT CLAIMS Issued from the United States Patent Offl For the weer bnding Marci 2, 1852
Preservers-By Stephen Albro, of Buffa-
Y.; I claim the gectional berth bottoms, as

Steam Boiler-By Wm. Barnhill, of Pittsburg,
Pa. I am aware that tit is not new to locate a cylinPa.: I am aware that it is not new to locate a cylin-
drical water vessel in the fuue of a boilier, and also,
trat such vessel sometimes contained flues, but these trat such vessel sometimes contained flues, but these
flues were, in this instance, direct flues, and the fireflues were, in this instance, direct flues, and the fire-
box was placed outside of the boiler proper.
I claim the arrangement of the cylindrical boiler, Yaviaim retur arrangemement of the cylindrical boiler,
main boiler, in such manner within the fue of the
mat the front ond main boiler, in such manner that the front end of
said cylindrical vessel extend oorer the fire.grates,
and so that nearly its whole outer surface is exposed
to the action of to the action of the flames, gases, \&c., which, after
their passing through the annular fle, proceed to
the chimney, through the small flues iu such cylindrical vessel.
[Not very
Amot very different from the one on page 192 Sc
Grain Dryers-By H. G. Bulkley, of Kalamazoo Mich.: I claim soarranging an open steam box or pan,
in connection with the fire chamber and steam cham-
ber, and flue, for the escape ber, and flue, for the escape heat, that the steam
shall rise freely into the steam chamber, and the heat kept up by contact with the escape flues, as de-
scribed, for the purpose of producing a high degree
of heat, vet not of heat, yet not so so high a a to io inure thig
other materials to be dried by its agency.
Omnibus Rraisters-By F. O. Deschamps, of Phi-
ladelphia, Pa.: I claim the use of the ratchet wheel and its paw., or their equivalents, for the purpose
substantially as set forth, of preventing the possibisubstantially as set forth, of preventing the possibi-
lity of giving a blow to the hammer by means of a recoil of the wheel.
I also claim the co
I also claim the combination, substantially as de-
scribed, of the toothed wheel to thich the dial
plate is affixed, with the notched cylinder and click, scrate is a fixied, with the notched cylinder and click,
phatereby the dial plate for registering the concealed
Wher Whereby the dial plate for registering t
dial plate, or any number of fares mat
dial plates, substantially as set forth.
Cratrs-By G. O. Donnell, of New London, N. Y.
I claim the construction and application of a metal.
lic combination to the lock posts of chairs, so as to lic combination to the lock posts of chairs, so as to
let the chairs take their natural motion of rocking let the chairs take their natural motion of rocking
backwards and forwards,while the metallic feet rest unmoved, flat and square, on the floor or carpet, or
any other metallic affixion, substantially the same,
and which will produce the intended motion CAST-IRoN CAR WHERLS-By Orson Moulton, of
Blackstone, Mass: I claim connecting the hub a and
rim of railroad wheels, by curved parts, having rais-
ed or projecting ribs of cyma form on their inner ed or projecting ribs of cyma form on their inner
sidee, extending also arosse the inside of the rim,
the said ribs on each plate being placed opposite the
middle of the spaces between those on the middle of the spaces between those on the opposite
plate, and each rib terminating in the opposite plate
to that on which it stands. Knitting Loons-By William Henson, of New-
ark, N. .: I claim, fifst, the relative motions of the needles, hooks and presser, a a combined, to form
the looped or knitted fabric, in combination with
the stops or guards on the hook bar, to prevent the the stops or guards on the hook bar, to prevent the
presure from coming in contact with the hooks, the
whole being constructed and arranged substantially $\underset{\text { as set forth. }}{\text { Whole }}$ Second, I claim the combination of mechanism for
regulating the take up motion, according to the
quantity of fabric formed, without varying the tenregulating the take-up motion,
quantity of fabric formed, with.
sion of the fabric, as described.
Corton Presses-By Lewis Lewis, of Vicksburgh,
Miss. : I claim the arrangement described, of a verMiss.: I claim the arrangement described, of a ver-
ticai revolving press, with toggle joint, operated by
the toothed racks and fixed pinions, substantially as the tooth.
set forth.
Plates of Trunir
Loorss- Conrad Liebrich, of Philadelphia, Pa. : I claim the guard, constructed
and applied as describeat, by which the lock is pre-
vented from being wrenched or torn off from the arvented from bich it is attached, and by which the hasp
ticle is prevented from being pryedor twisted, so as to be
freed from the bolt, thus obviating the necessity of freed from the bolt, thus obviating th
the ordinary back plate, as set forth.
Blasting Rocks UNDER WATER-By Benj. Maille-
fert. of New York City : I claim the blasting of rocks
under water by under water, by placing the explosive charge on or
against the surface of the rock to be blasted, and aging the surrounding water as the means of resist-
unce to the explosion, substantially as specifed.
[We should like to inquire of the Patent Office if
this invention is the discovery of Mons. Maillefert? this invention is the discovery of Mons. Maillefert?
We understand it to be public property-a wellWe understand it to be public property-a well-
known invention-nothing new at all. The whole plan, operation, and principle of it, with full illus. trations, were published in the Illustrated London
News, May. 1845 ; also in the same paper in 1849 . News, May, 8455 ; also in the same paper in 1849
The invention is public property, and no man has a right to a patent-it is giving away the property of
the people. The patent could not be sustained in any of the United States' Courts. Those who have the Illustrated London News, as we have, of the years referred to, will be pleased to look them over, and see for themselves, that we speak only the truth.

- ED $^{2}$ -ED]
CAST-Iron CAR Wherls-Hiram W. Moore, of and located as descrimed. in combination with the
spokes or braces, in the exterior ring, and the conspokes or braces, in the exterior ring, and the con-
caro-convex plate or partition, arranged and com-
bined substantially as set forth.
Machings for Printing Floor Clotrs-By Si-
meun Savage, of Lowell, Mass. : I claim the arrangemeun Savage, of Lowell, Mass.: I claim the arrange-
ment of the printing mechanism, the stamping down ment of the printing mechanism, the stamping down
mechanism, the mechanism for advancing the
piecy of cloth, or of material to be printed end piect of cloth, or of material to be printed end presss.
ed, or stamped, fuch arrangement being as described.
And I alsoclaim the combination of the lip plate, the series of bent levers, the slide bar, and the
bar C, as made and operated, substantially for the purpose of seizing the selvedge edge
and moving the piece, as described.

And I also claim the combination of mechanism,
for operating the coloring carriage, or imparting to
it its back and forth movements and necessary interfor operating the coloring carriage, or imparting to
it itt back and forth movements and necessary inter-
 rotating shaft with its circular discs and their pro-
iections, four hook bars, together with the vibrating
bars, as applied together, and operated substantially $\begin{aligned} & \text { bects, as applie } \\ & \text { as specifed. }\end{aligned}$
Endesss Cbain Morse-Powers-By Theodore
Sharp, of Albany, $\mathbf{N}$. Y: : I claim the combinetion Sharp, of Albany, N. Y.: I claim the combination of
the bent links. the revoiving drums, and the pinions,
constructed and operating in the manner and for the constructed and ope
purpose described.
Bridging Navigable Sitreams-By Benj. F. Lee
of New York City: I claim the combination of a ca all tunnel, bridge, and road, constructed and arran ged substantially as described
Friction Clutiches-By Gerard Sickels, of Brook-
yn, $\mathbf{N} . \mathbf{Y}: \mathbf{I}$ claim, first, the arrangement of the Yn, N. Y.: I claim, first, the arrangement of the le-
vers and arms for operating the segments, substan tially as described, by which arrangement, the seg.
ments are made to bind in the $V$ collar, or be relieved rom it, as desired, the segments, when bound in the
collar, remaining in that state, the points or pivots
having passed the line of pressure, unless acted having passed the line of pressure, unless acted up-
on by some extraneous force, as the moving of the n by some ex.
vibating slide.
Second, I clai
ment of levers and in combination with the arrangesaid segments being adjusted by screw rods and nuts,
as set form EnOircling SUspender For Garments-By H.
H. Tucker, of New London, Ct.: I claim the combi-
nation of the spring or belt, with the straps and the
cirne nation of the spring or belt with the straps and the
circular pads, for the purpose of sustaining garments
upon the human body, arranged substantially as set forth.
Brior Maciings-By S. L. Speissegger, of Savan-
nah, Ga: I claim the employment of the plate of the travelling mould table, operating simultaneously on
the rods and pistons in the moulds, in combination with the pressing plate of a steam or other press, for
the formation and delivery of brick, as sulstantially the format
set forth.
 a suitable elastic packing, between the wick tube and
air tube, attached in any convenient manner, in air tube, attached in any convenient manner
camphene lamps, for the purposes as described. Second, I claim the application of a suitable ring
or chamber around the wick tube, to receive or con-
duct water or other fluid to the wick, so that the duct water or other fluid to the wick, so that the
light is extinguished, in case of accident, as descri-
bed.

Compasses for Determining Variation from
Local Causes-By J. R. St. John of New York N. Y., (assignor to the St. John's Compass and Log
Compan) patented in England, Dec. 27 , 1851 :
do not claim the invention of a newr Mariner's do not claim the invention of a new. Mariner's or
Surveyor's Compass. because these improvements
can, in most instances, be added to compasses al can, in most instances, be added to compasses al
ready in use.
But I claim the application of satellite or auxilia But I claim the application of satellite or auxilia
ry needles to the magnetic compass, such needle being prepared, applied, and adjusted in the manner
and for the purpose set forth, nincluding any merely
mechanical variations that shall be actual equivalents of the means employed, as described. and sub-
stantially the same as applied by me, for the purpo stantially the
ses set forth.
[Note-Five of the patents in the above list were Agency."]

Morne's Telegraph in Germany.
We have been favored by a friend of Erof Morse with the annexed extract of a letter from Germany, for publication.
These testimonials from abroad must be the more grateful to Prof. Morse, on account of the hostility evinced by many of his own countrymen, and among them men who ought so be above the feeling
seems to actuate them.
How often has Prof. Steinheil's name been held in court and in the country, as that of a prior inventor, depriving Morse of all claims of originality? Yet Steinheil, with a magnanimity which some of our learned countrymen would honor themselves by ifitating: pronounces Morse's invention "unique," and
recommends it instead of his own! We be lieve he is at the head of the telegraph system in Austria or Bavaria.
We are proud, as Americans, to see an American invention overcoming, by its own merits, European prejudices; and we are gratified that the estimable inventor finds consolation in the justice of other countries, for the harassment, slander, and in
which he suffers at home.
Thus tar the courts, notwithstanding most persevering efforts to operate upon them through a misdirected public opinion, have done their best to protect his name, fame, and property, and we have no doubt they will
continue to do so to the end. And we trust our esteemed countryman may live long enough, not only to hear the universal verdict which the world will pronounce in his favor but also to enjoy all the comforts and pleasures which wealth can bestow, as the rewar of his ingenuity, perseverance and suffering. Extract of a letter from Mr. Fleishman,
United States Consul, to Professor Morse, dated

Stuttgard, Feb. 1st., 1852. "I hasten to inform you that I have suc ceeded in bringing the government to the final conclusion, to send you a letter acknow ledging the merits of your invention, with
gold medal of Wurtemburg for Arts and Scien gold medal of Wurtemburg for Arts and Scien
ces. This has been semi-officially communi
cated to me, and I hope in a few weeks letter and medal will be on their way to Baltimore where the Consul-General of Wurtemburg, Mr. Brown, will hand it to you.
I have further asked for a more important matter to you, viz., I requested the Minister of the Interior to let me have a copy of the proceedings of the Electro-Magnetic Telegraph Convention (of all German States), held at Vienna, last autumn, which concluded to employ your system in all Germany as being the only reliable and practical one, having previously tried all, others, and even Steinheil, a rival inventor and a German, pronounced yours nnique. You see they are more generous a
Wurtemburg was the first German State that adopted your system out and out, and I am sure you would be pleased to see your ap paratus, which is most exquisitely finishedreally it is a beautiful monument of your in-genuity.- [Phila. Ledger.
[The Ledger enunciates the very doctrines which the friends of Professor Morse-and one United States Court only-have violated We wish to give every inventor his due, his just praise for his own invention, and we
have never occupied any other grotnd. It was wrong to deny Prof. Morse a patent in England, it was wrong for him and his friends to be awarded without a jury trial-a most outrageous proceeding-the telegraph of Bain in the late trial at Philadelphia. Professor Morse's invention is unique ; it is perhaps the best telegraph in the world, but it is not the only one. There are other good telegraphs, and it is wrong, very wrong, to slander the inventors of them, and not only slander but plunder them of their inventions. We have only one principle which guides us in re Winentors, that is, justice to each one.
We feel proud of Prof. Morse's telegraph and it has rejoiced us to see that he is reaping a bounteous reward for his invention, but while we rejoice at this, we grieve that other inventors have been only reaping the bitter fruits of persecution.

## The Woodworth Paten

The Assembly of New York, on Wednesday, last week, passed a resolution expressive of the sentiment of the people of New York, in opposition to the extension of the Woodworth Patent. The Albany Knickerbocker states that there was only one man in the whole assembly, Mr. Van Santvoord, who had the hardihood to raise his voice against the resolution. He, says the Knickerbocker, "opposed the resolution on the ground that the Legislature was travelling out of its way to advise and instruct our Senators and Representatives in Congress on a matter of a private character. Mr. Cushing knocked the stilts from under the juvenile Demosthenes from Columbia County, and showed that every man in the community was interested in preventing the further extension of the overshadowing monopoly. Col. Monroe and others followed in the same strain, demonstrating the great injustice done to the working classes of this State by the Woodworth monopoly. But four votes were recorded against the passage of the resolution."
We have received quite a number of communications on this subject lately, but have not published any of them. These communications were from parties interested in the Wood worth patent and parties opposed to it The authers have offered to pay for them, but we considered it to be our duty not to accept the pay nor publish the articles
We are opposed to the extension of this pa tent, not from personal feelings against the owners of said patent-some of these gentlemen we esteem as men; we oppose its extension upon what we conceive to be a good and honest general principle.
It may be of interest to many of our readers to know that Judge Sprague, of Boston, a short time ago, refused to grant an injunction against Mr. Norcross, of Lowell, for infringement of the Woodworth patent.
As we have great opportunities of knowing what the general feeling of our people is, about the extension, we assert, and challenge contradiction, that ninety-nine out of every hundred are opposed to it. Resolutions expres-
sive of the feelings of the people of Pennsyl-

Yania, as opposed to the extension, are now before the Legislature of that State, and will, no doubt, pass by an almost unanimous vote.
The following are the resolutions passed by he Assembly of this State :-
Resolved, (it the Senate concur), That, in the judgment of this Legislature, the sentiment of the people of this State is opposed to the passage of any law, by Congress, extending the time of any patent heretofore granted to Wm. Woodworth for a planing machine, or to his personal representatives or assignees, or any law sanctioning or giving any force or validity to the re-issue of any such patent in 1845, founded upon amended specifications; and against any law which gives to the judgment of any court, in any personal action relating to patents or otherwise, a conclusive effort upon persons who are not parties or privies to the parties, and who have no opportuity to control the minds on any such action. Resolved, (if the Senate concur), That the Governor be requested to transmit a copy of the foregoing resolution to each of the Senators and Representatives in Congress from this -

The Leading Chemists of Europe.
We are repeatedly asked by our correspondents, who are, at present, the most celebrated chemists of England, Germany, France, and even of America. To comply with our readers' wishes, we append a list of those most distinguished in Europe and America. It is gleaned from conversations with persons rom the several countries. France-Dumas, Regnault; Laurent. Austria-Redtenbacher and Schrotter. Germany-Rose, Mitscherlich, and Bunsen. Italy-Sobrero and Peyroni. England-Faraday, Muspratt, Playfair. Ireland.-Kane and Apjohn. Scotland-Gre gory, Anderson, Thompson. America-Hare, Jackson, Rogers, Horsford, Dana.-[Mining

## Journal.

[The above is an exceedingly meagre, and we say unjust, catalogue of the leading chemists of the world. There are names above of men who are not yet distinguished as leading men, and where is the name of Liebig the most prominent of all at the present moment? The name of Herepath is not there or England; nor is that of Ure for Scotland. Prof. Draper, of New York, need not feel that he has been omitted, it is no censure to be omitted from a catalogue which shows it has been made up by one not fully acquainted with the names of the greatest living chemists, or else it was made too hastily-a fault in both cases.

Oscillation of Water Falls.
At a recent meeting of the Society of Natural History in Boston, Mr. Briggs referred to a subject which had been previously discuesed, namely, the oscillation of the sheet of water at Hadley Falls, which is accompanied by a loud noise and a jarring sensation which can be perceived at a great distance. It had been attributed in part to the vibration of the timber of which the dam is constructed. He had recently observed the same phenomenon at Tienton, where there is a dam of 60 feet in length, with a fall of 12 feet. Here the sheet at certain stages of water undulates through a distance, forward and back, of 3 or 4 feet, causing, by the jarring which it produces, great annoyance to the dwellers in houses in its vicinity. The dam is built of stone on a stone foundation, up to within three feet of the top, where it is constructed of timber. In this case, therefore, the oscillation cannot be properly attrlbuted to the vibration of the dam. The phenomenon occurs when the water is about four inches deep on the dam, ceasing as it becomes deeper. Mr. Briggs found that by inserting a board at one end of the fall, thus diminishing the width of the sheet the oscillating immediately ceased. In fact, it was evident that it depended upon a relation between the width of the sheet, its thickness, and the air beneath it.
Ot this fact every rerson can satisfy himself by paying attention to the falling of the water over every dam. He will see vibrations of the sheet of water always when it is thin.
Our list of claims being now printed in smaller type, our readers have at least two columns more of reading matter than they columns more of reading matter than
had at the beginning of this volume.

