

Reported Oficially for the Scientific American LIST OF PATENT CLAIMS Issued from the United States Patent offc for the weer ending february, 10,1852
Whioe Brushes-By J. J. Adams, of Boston, Mas



 against the enuckles of the joints, and
tene opening, substantially as described.
Secondi, in combination Second, in combination witith the stivivivel so made, I
claim the swivel joint, made substantially as descri-
bed.

Hose Coupling-By A. W. Cary, of Brockport,
N. Y. I claim the class of the earticular form above
described described, hating a part of one or both ends exten-
den beyond both places of fastening, so as to extend
the contracting pressure directly around the entire ded beyond both places of fastening, so as to textend
the contracting
circumperensure dircelty around the entire circumference of an inserted tube
 tion by means of a brake worked by a governor, con-
structed substantially as described, so as to operate
 and then instantly release the brake, so that no un-
necessary labor may be imposed upon the animals, when working at the proper speed.

 whe els and trounh beine formed as set orth, so thet
the former will run in the latter, without tendency the former will run in the latter, without tendency
to run over its edges, except as it may be influenced by centrifugal force.
I also claim the
Wheel rim, with a trough of or cresponding form, Wheel rim, with a trough of corresponding form,
wherey the lumps of quarto or other substane be,
ing ground, are grasped by the wheel in its rolling, betwen the angular groove or furrow contained be-
tween the two ritges, and being thus prevented



 $\underset{\substack{\text { which this clain refers. } \\ \text { I also claim the method }}}{ }$
 tions, substant
pose set forth

 comotive engine or train of cars, arraned as as dee
scribed, so that the enginer, or another, can anseer
tain, by sonund, the approach of a

GranN Harvesprrs-By Byron Densmore, of Swe
den, N . $\mathrm{Y}: \mathrm{I}$ claim, first, the combination of the

 Second, controlling the motion of the rake, by
meansof the combined action of the hand, ratchet,
and lever as set means of the combined
and liver, has set forth.
nhird, the arrantheme
for equalizing the power of the spring on the teantric for equalizing the power of the spring on the lever,
as sesibibd
Fourth forming supports for the vibrating blade Fourth, $\begin{aligned} & \text { rorming supports for the vibrat } \\ & \text { oingerke by the phates, in sectionseparat } \\ & \text { fingers, to prevent choking, as described. }\end{aligned}$

 gulating the
set forth.
 arrangen dubstantially as desercibect, in such mannoer
that the switches are always locked securely in the

 main track, and lockerd there, an soon as the force by
which they were shifted is withdrawn.

 permit a train to pass from a branch to the tain
track, and is maintanine in such position until he
last car has passed off it when it returns, automatilast car has passed off ot when it eturns, automati
cally to restore the continuity of the main track.
 tub for a portable shower bath, made in two hal hes,
in combination with the siliee leaves, and slides, $G$,
ic in combination with substantially as set forth.
 piece in the manner set forth, by projecting a
from the frame abot the grass and belind
which it is oconecte by the rods, as set forth.
 the rack piece, substan
the purpose described.


 chanism, forgiving motion to the disce.
But 1 claim, Grrst, the employm
But I claim, frrst, the employment for the purpose
of registering the fow of gases and fuutas, through
$\left|\begin{array}{l}\text { an aperture of a disc receiving a constant rotary } \\ \text { motion, at anuniform paed and } \\ \text { whien iving motion to a }\end{array}\right|$ motion, an an uniform speed, and diving motion to a
when, in connetion with the indicating apparatus
and t,
 bea, wot the entreo f the gisco, as star oock is open
nearer to
ea or closed, so as to govern the speed of the whet
and and, consequently, the indicators, according to th
area of the passage through which the gases or fuid area orthe pa
are passing
Second, the
 iever, substantially as shewn.
Third the the manner of closing
Third, the manner of closing the valve, and shut-
ting oft the gas, or fuid, when the clock is run
down, by an arm on thin
 and released by the unwin
substantially as specified
Goverxors-By Ephraim Morris, of New Yor
City: Iclaim an incline, or inclines, between a hui
 Risting spring, or its equivalent, whereby the mo
tion of the parts due to the eompression of the
spring, or itsequivalent, by the incline, produces mo-
s. spring, or itsequiralent, by the incline produces mo
tionto reguate the pot eve
sistance, as described.
 tainingthe quartz, ,sce., and rotating in one direc
tion, forth purpose of loosening up the material tion, orthe parpose of loosening up the material to
be ground or roshed. the curved armsarranged up.
on a sha ftherein, rotating in a contrary direction on a shar ftherein, rotating in a contrary dirrection
for the purpose of catching, carrying an, and throw-
in for the purpose of catching, carrying up, and throw-
ing orer the balls by which said materill is groud
or crushed, the whole being airanged and combined in the manner set fort
SExD Plantrrs-By Ed ward Wickg, of Bart, Pa.
Ido not claim, exclusively, causing the tistributing

 wheil works, and that by being motable operates th
avoid friction of the wheel upon the sides of the
apertur aperture, communicating with the hopper, as liable
to be produced by the play of the shafitupun which
thed istribti to be
the
fied
fiss




 and siding rubers upon the adiacent axle of a rail
rond can ombination with the intermediate ocog
wheels, the mhole arranged and operating substan Whels, the mole
tially as set forth.



 moved, and limitining the detth to which the cutter
mays ink, saldesribe.
Second I I claim so connecting the machinery raising and lowering the frames carrying the plows
and bubkets with the ruvining power of the machine
that the buckets may be lowered autmaticall in such porporkion to the enotions of the onther parts o
he machine, as the character of the bottom to be exca vated may demand,
purpose as described.
 Fishea of Northern New York-.-.Frozen Fish, dec.-.-Conclusion.
Adrondac Iron Woris, Essex Co., N. Y Messrs. Editors-Our lakes and streams, which, I believe, are the highest fishing waters in the State, and perhaps in the United States, were originally well stocked with the lake and brook or spotted trout. We have yet good fishing in all except lakes Sandford and Henderson, whose waters have been raised from their former level by the construc tion of dams, thereby destroying their spawn-
ing beas. Besides the trout, we have pickerel, ing beas. Besides the trout, we have pickerel,
perch, and a variety of smaller fish. The pickerel were introduced into Lake Sandford from Schroon Lake, five years ago. The stock originally came from Lake Champlain, though now our pickerel are quite different in appearance, and far superior, both in flesh and flavor to the Lake Champlain pickerel: perhaps on account of the purity of water here. They have so multiplied in Lake Saudford, that upwards of three hundred have been caught through the ice, this winter, weighing from two to fourteen pounds each.
But to the point. I have witnessed, repeatedly, the two winters I have been here, the resuscitation of frozen trout, pickerel, and perch on thawing them out in fresh running water, even after they had been carried for
miles.
It is only under certain circumstances, however, that they will revive. If caught on a day when it is cloudy and freezing hard, and if not hurt with the hook, and they freeze im-
mediately on being thrown on the ice, they mediately on being thrown on the ice, they
will revive on being thawed out. But if allowed to toss about in the sun, on a clear day, and prabably not freeze for an hour or two af-
ter they are canght, then they will never revive.
ver
le

It is such a common thing, that I have only to go back to the last day I was fishing foran example of it. I went down to Lake Sandford with one of our men, on the 29th ult., and at night we carried home in our packs eleven pickerel, all frozen hard and bent and curved, just as they happened to twist themselves before freezing. We put them into a trough of running spring water, and when thawed out found six of them alive. The others had probably been caught in the warmest part of the day, and died before they froze. The same day fifteen fine brook trout were brought trom Lake Andrew, five miles distant, in a pack, and on being thawed out several of them revived; though I did not notice ow many. They are, however, a much more delicate fish than either the pickerel or perch, and more easily hurt and killed than either of hem.
On the afternoon of the 24th ult. I had fished faithfully for pickerel till sundown, without even getting an encouraging nibble ; tired at last, of that fun, I took out a small hook and line, and soon had twenty-five perch; they frozemelmost instantly; I strung them on a crotched twig, carried them so for two
miles, and when thawed out, found fourteen of miles, and when thawed out, found fourteen of
them alive, the rest having been hurt either them alive, the rest havi
by the hook or the twig.
The pord behind the village, formed by the damming of the river, is full of young pickerdamming of the river, is full of young picker-
el; $;$ they are all from three fish put in there last winter-one male and two females; every ne of them were brought from Lake Sandord frozen, and were put into the pond after they had been thawed out in a trough. The male one I caught, it lay on the ice, frozen, for three hours, and then not finding a mate for him, I run a stick through his gills and dragged him home on the snow, two miles, threw him into the trough, and thought no more of him till next morning, when I found him alive and seemingly enjoying himself as well as his narrow limits would permit him. I took pity on the poor fellow, carried him down to the pond, and he went off with a The
rs heare but a few instances of what oc cars here almost every day the winter through. The fact of their resuscitation, after being frozen as I have described, is known to every
one here who is in the habit of fishing in winter, and cannot escape being noticed, as the weather here is cold enough almost all the time to freeze them, and they have to thawed out before they can be cleaned.
I have heard some say that they have taken trout when frozen and whittled the fins and tail off, and on being thawed, found them alive; but I have never tried this nor any
other experiment with them, and would not ouch for the truth of it. Robert Clarie.
[We have received a great number of communications on this subject, for which we are very much obliged to our correspondents. We have never requested information on any subject from our readers that we did not receive kindly, freely, and promptly. No paper in the world has such a number of obliging reat
ers: for which we are indeed thankful. ers: for which we are indeed thankful.
We have published information on the subject of the resuscitation of frozen fishes that sets the matter forever at rest, and will b news to many of our readers, who live South In the foregoing letter it will be observed that a certain fact is stated, which militates
against a statement made in our last week's against a statement made in our last week'
number, viz., that all resuscitated fishes were rendered blind. We have evidence here tha frozen fish, transported a number of miles, have become the parents of a numerous pro-geny-they retain all their functions, even a ter being frozen. We do not intend to publish
any more on the subject at present; we have received a great many well written letters on it, and being so numerous we could not publish but a very few.-[ED.

Strike of the English Engineers.
The great strike of the working engineers continues to engross more of public attention than would be easily believed by those at distance. The quarrel remains without even ing equally opposed to submission. One fea ture of the strike is remarkable, and we believe unprecedented; we mean the resolve of the
men, as faras practicable, to set up for them-
selves, and execute orders on their own account. This is a much more sensible course than that of distributing their funds in the shape of relief albeit the probability of ultimate success is but small, judging from the fate of former co-operative experiments. Several of these are now in the course of trial by tailors, bakers, printers, and others in the metropolis, but though they have received much extraneous aid from well-wishers in the principle involved, we do not hear of one unequivocal case of success. Some thousands of engineers are now unemployed in London, Marchester, and other places, owing to their resolve to "organize labor," and dictate terms to their employers. The struggle will be of no common kind, and promises to be a lasting

Improvement of the Ohio River
A large meeting was held at Pittsburg, Pa ., on Monday, the 9th inst., relative to the obstruction to navigation by the falls of the Ohio at Louisville. The object of it was to memorialize Congress to construct an additional canal around the falls at Louisville. It was suggested that the new canal should be constructed with locks, 400 feet long, on either side of the river, so as to prevent the present great amount of navigation being obstructed Elwood Morris, the well known civil engineer, addressed the meeting, and alluded to the magnificent scheme of Mr. Ellett, C. E., which we have spoken of more than once in the Scientific American, viz., the improvement of the Ohio River by making artificial reservoirs near its sources, so as to retain as much water as will supply the river with a certain quantity during the dry weather, and maintain its depth, at a specific line, at all times, for steamboats and other vessels. The Ohio River is too shallow during a part of the dry summer weather, to allow vessels to pass up or down; this improvement would do away with the evil complained of. The cost for the construction of suitable reservoirs, it is estimated, would be about $\$ 1,500,000$.

Meteorological Observation
A pamphlet has been received from Washington, containing a correspordence in relation to a universal system of meteorological obser vations for sea and land. It is by Lieut. Mau ry, U. S. Navy, the able officer who is at the head of the National Observatory, and who has done and is doing so much for the spread of nautical knowledge in our country

Observatorx, Washington, 1852 . The Government of Great Britain having greatly enlarged its system of meteorological observations, and wishing
further, invited the co-operation of the Go vernment of the United States therein; the Governmentot the United States, appreciating the importance of the subject, and desiring to make the system of observations universal suggested the propriety of including the sea as well as the land, and of enlisting in the meteorological field the voluntary co-opera tion of the commercial as well as the aid of the naval marines, not only of England and the United States, but of all other maritime na tions.
For more detailed information on the subect, I refer to the accompanying pamphlet By it, it will be observed that I am authorized o confer with individuals, societies, corpora tions, \&c., "at home and abroad," upon the subject, and in concert with them to agree upn such general system.
Therefore, I have the pleasure of inviting your attention to the subject, and of soliciting such assistance in devising, and stuch co-opera tion as may be convenient and proper for giving effect to the undertaking: Respec fully, \&c. M. F. Maury.

## Upas Tree on the Isthmus.

The Panama Star states that a man named ames Linn, while hunting on the Gorgona Road, grew tired and lay down to sleep under a tree. On waking he found his limbs and body swelling, and diath soon ensufd. The Star says that a tree grows on the Isthmus under which cattle avoid eating or ruminating.
The tobacco crop of Missouri, for 1851, is estimated at from 14,000 to 15,000 hhds., Thequality is said to be good.

