

## \Jew Inventions.

Paper Folding Hachine.
We stated a few weeks since that Mr. Crane of Mass., had invented a machine for fulding newspapers, to be attached to printing presses. We have since learned that Messrs. Smith \& Wells, of Springfield, Mass. are the inventors of this contrivance, Mr. Crane's machine being for catching the sheets as they come from the press and laying them evenly together, an operation called "flying." The Paper Folder is now in successful operation at Spring. der is now in successful operation at Springfield, and is pronounced by those who bave
seen it to be one of the most curious and in. seen it to be one of the most curious and in-
genious pieces of mechanism which have been brought out in a long time. It will no doubt appear wonderful to most of our readers, that a newspaper, the Scientific American forinstance, can be taken in open sheet from the steam press, and instantly folded into as many different folds as desired by the unaided operation of machinery! Yet this is accomplishedby Messrs. Smith \& Wells' invention. We omit a more particular description at present as we shall give an engraving of the machine in a veek or two.

Shingle Shaving Machine. Mr. S. Brewer, of Mount Heary, Manrgomery county, Tenn., has obtained a patent for a new and improved machine for shaving shingles.

The Machine shaves both sides of two shingles at every stroke of the pittman, giving the proper slope, and throwing the shingles clear of the Machine. It is simple in its construction; not liable to get out of order; may be tended bs a single hand; is a light draught for a horse or mule, but may be worked by
any power; and may be easily removed from place to place and set up with little loss of time. The shingles made on the machine are of uniform thickness and of the very best qual ity, and may be made of any timbers of which shingles are usually made bs hand.

## New Parlate-Whicel.

Mr. Jacob R. Custer, of Norristown, has constructed a hanging padde-wheel to be u$s \in d$ in propelling boats on rivers and canals. The paddles hang in a vertical position, sup ported by spur wheels and pinions, so that they dip and rise without disturbing the water. There are some five or six padjles on the wheel, adapted to each stroke of the engine: one will be dipping and another rising, alternalely. The Norristown Herald states, that it has been brought out to the or der of a company, and judging from the ex periments which we have seen made with it it cannot fail to prove the thing se long want ed totake the place of horse-power on our canals.
[It is rather a fingular description and pre cludes any favorable impression regarding it The cranks of all the shafts to drive the pad dles are placed at right angles with one another, so that is nothing new, other parts may be new, but $\operatorname{cog}$ wheels and pinions are ob jectionable.-Ed.

More Telegraphs.
An Erglish paper by the last steamer says,-" Last week a number of gentlemen interested in mechanical science were afforded a 'private view,' at the effices of Mr . Whisbaw, Gray's-inn-square, of a number of inventions for facilitating verbal communication. Amons the most remarkable were severai hydraulic telegraphs, all in working order, and performing their functions in a very satisfactory manner."
We suppose the inventors are afraid to make them public. At best they will not be valuable private properiy.

## Bane Pens.

Pens made nut of bones are now in uge in England and sold at the rate of fify fur twen. y two cents. They a:e pronouncer to be as flesible as the quill and far more durable.
E. Burt's Plaid Loom.
We have seen a letter of Mr. W. Norton, jr. of Marlboro Mills to Enoch Burt, Esq. of Manchester, Conn, the first American inventor of the Power Pl:id Loom, which speaks volumes in praise of his invention. Mr. Norton says: "In one week's work, performed by one weaver (Mrs. Bell,) in regular mill hours, the cloth room book records 923 yards, equivalent to 39 yards and a fraction to a loom per day. I have no hesitancy in challenging the whole United States to beat it ; and Mr. Blythe, the foreman, adds," the Continent of Europe too." The cloth woven was forty eight picks to the inch. It is but a few years since it was deemed impossible to weave ginghams by the power loom. When we reflect upon the great improvements made within a few years upen machinery for manufac turing, and the greatly reduced prices of cloth arising therefrom, we cannot but feel, that our inventors, manufacturers, mechanics and operatives, are not estimated according to their value, neith $\in \mathrm{r}$ are they rewarded according to the benefits they have conferred upon the country. They are the class of persons that " have done the state some service."

## COG WHEELS OF UNLIMITED POWER AND VELOCITY. <br> 

This is an arrangement of cog or toothed wheels, by which unlimited power or velocity can be obtained by means of only four wheels, and also of turning in the same or contrary directions relatively to their partners. This is an extension of Watt's highly ingenious sun and planet wheels, and is as fullows:-
A and C (in the plate) are two wheels on the same axle, free of each other, and B and $1)$ are two concentric wheels on another centre; but these two are fastened together, so that one cannot move without the other: all these four wheels being fixed on a ba: so that they work together, and if they were all the same size they would in no resirect differ from the sun and planet wheels in their motions; but in order to producea power or velocity unlimited by anything but friction, or difficulty of vorkmanship, the four wheels are not all of the same diameter, but the less the difference of diameter of the two wheels $A$ and $B$, which work together, the greater is the difference of their motions. If then we wish to give a very slow motion to C , A must be a little larger than B; C and D being equal, the motion then is produced by keeping $A$ and C stationary while the bar is turned round their centre, which will cause $C$ to move very slowiy, because the wheel B being a little smaller than the wheel $A$, must. evidently in orling round it once, revolve round its own centre a little more than once, and wheel D being a tixture with wheel B , must do the same. But wheel $D$ and wheel $A$ being of

## Preserving Wood.

A Mr. Payne, is England, has patented a process for preserving tumber, the result of which s, that wood so preserved becomes imperishable,-impervious to wet or dry rot, and perfectly uninflammable. The sofiest woods so prepared become susceptible of the Givest polish.

Fire amilhilator.
The London Builder describes a small machine, called "the fire anribilator," which, by means of a sudden explosion of nitre, carbon, and gypsum "creates instantaneously an enormus quantity of steam, cyuivalent to anc as effective as a fire engine."
Well, that is something new in the chemical worla!" nitre, carben, (charcoal) and

The common rotary handle churn, so old and well known, can be constructed to answe all the purposes of any atmospheric churn in existence, without increasing the cos more than six or seven cents. All that is necessary for this purpose, is simply to use two tubes on the lid instead of one. Let them be placed at right angles to one another running in an oblique direction in the lid, near to the curve line of the paddle and as the handle acts as a blower, one tube will supply the churn with the atmospheric and trom the other the gas will be expelled and butter made in a very short time, and each tube will answer for the reverse purpose according to the motion of the handle.

## New Maxble.

A patent has been granted by the authori ies of Cu'sa for five years to Messrs. V. Pelopi \& A. Potel esta, for the invention of a compound made from the mineral productions of the Island, which compound becomes in a short time as hard as marble, and may be used for the same purpose, with the advantage of beirg far less expensive.


SSUED from the united states patent office,
For the week ending July 2.5, 1848. To Thomas Spencer, of Syracuse, N. Y., for improvement in Furnaces for Evaporators. Patented July 25, 1848 .
To William S. Barnes, of Buffalo, N. Y. for improvement in Water Wheels. Patented July $25,1848$.
To Edwin J. Smith and Horace Griswold, of Delhi, N. Y., for improvement in Hill Side Ploughs. Patented July 25, 1848.
To Robert Robinson, of Newburyport, Mass. for improvement in Radiators. Patented July $25,1848$.
To John M. Palton and S. D. Ball, of Milton, Pa., for improvement in Cooking Stoves. Patented July 25, 1848.
To Charles Stumer, of New York, for improvement in Enamels for Iron. Patcon'ed July $25,1848$.

To William T. Barnes, of Buffalo, N. Y., for improvement in Twyeres. Patented in the United States July 25, 1848. In Canada

## INVENTOR'S CLAIMS.

## Brick Kilns.

To Joseph Ogle, of Baltimore, Md., for innprovement in Brick Kilns. Patented 9th May. Claim.-What I claim as my invention, and desire to secure by Letters Patent, is:-
desire to secure by Letters Patent, is:-
" 1 st : The interposition of grating of fine brick or other material applicable to the purpose, between the fire snd the brick to be burned, in the manner herein described, by means of which I prevent the fire in the arches from immediate contact with the brick to be burnt, thereby obviating the danger of the bricks adhering together in the lower portion of the kiln, and blocking up the channels formed in the setting of the brick for the circulation of the heat.
" 2nd: The construction of a grating along the floor of the kiln of fine brick or other suitable material, in the manner above specified, and combining the same with the grating ( $D$, ) and draft holes in the roof, by means of which I cause the greater part of the heat emanating from the arches to circulate between the floor of the kilstand the grating ( $d$, D, ,) and thence upward to every part of the kiln, thus enabliig the operator to burn the brick to any degree of hardness requisite.'

## isficiss.

To Nathan Towson, of Washington, D. C. mprovement in Bricks, Patented 16th May, 2848. Claim-What I claim as my invention and desire to woure by Letters Patent, is the forming brick with dove-tail indentations, by means of which the brick, when covered with mortar, will be held together, and by which mortar, plaster, or other material used in plastering, stucceing, or rough casting brick work, will be securely fastened thereto, and prevented cracking and falling or peeling off.

## Bending Sheet Metal.

To John Epply of York, Pa, for improvement in machines for_. Bending Sheet Metal, Patented 18ih May, 1848. Claim -Having thus fully described by invention, what I claim and desire to eccure by Letters Palent, is the combination of the revolving mandrel and concave recess, coustructed substantially in the manner and for the purpose described

## New Material for Cloth.

It has recently oeen found that the leaves ofthe pine apple contain an extremely fine, glossy, and silken fibre, easily separated by heating and washing. Tle ultimate fibres are finer than those of coiton or linen, appli.
cable to the same purposes. cable to the same purposes.

