Improved Plan of Kiln for Burning Drain Titles and Pipes.

From the Mark Lane Express we gather the following information relative to an improved method of burning tiles for agricultural draining.

Almost every tile-yard where the present plan of burning prevails, in large covered the tiles so as to keep pace with the moulding. And this difficulty is increased by the tiles from drying, and the sheds soon become

There was exhibited at the meeting of the Yorkshire Agricultural Society, by Mr. Charises to obviate the inconvenience alluded to

Instead of the present large kilns, the model consisted of a series of small compartments placed alongside each other; each compartment or kiln, being fifteen feet long by four feet wide, and eight feet high, and holding about 4,000 2 inch pipes, besides the bricks at the bottom. The plan of operating is to burn every alternate compartment, and at the same time to have each compartment between those that are in process of burning, set with either dry or half-dry tiles; so that by the time the tiles on either side are sufficiently burnt, those between are dried up to ovenheat, and the fires may be put under them as soon as the other compartments are ready to draw. Thus with a kiln containing such a number of these compartments as may be found suitable to the requirements of each yard, a constant and regular succession of with the process of moulding, and an opportunity be thereby afforded of clearing the sheds of tiles in an incomplete state of dry-

The plan is novel and presents advantages and many competent and practical men have concurred in thinking it a valuable improvement. And as Mr. Charnock expressed his readiness to afford every information to parties desirous of adopting it, we shall be curious to learn whether our opinion of its merits is confirmed in practice.

Mr. Charnock stated that his experience more economical, and certainly more convenient for the systematic conducting of the works, to burn the pipes in two kilns of smaller size, rather than in one large one containing the same number; and it was in the conviction he believed the extension of that principle might be most beneficially adopted in the form we have endeavored to describe

Fermentation.

Fermentation was the subject of consideration at the last weekly meeting of the New ark, N. J. Franklin Institute.

Starch may be changed into sugar artificially by mixing it with water, and then throwing in a little sulphuric acid, without which it will not dissolve, and then add something to take out the acid, as common chalk, which | is a carbonic acid, and forming a sulphate of lime, or plaster of Paris, which sinks to the bottom of the liquid, leaving the water a syrup, which which may be evaporated and leave the sugar dry. If a little more oxygen be added to this syrup it will then become al-

of a month. A few years ago some persons in London attempted to evade the duty on the manufacture of sugar; instead of making sugar directly, they converted starch into syrup, they called honey, which this syrup very much | pent or cavman, and that they re-unite themresembles, and thus evaded the duty.

Wheat flour contains gluten and starch, which may be separated by maceration; the gluten assists fermentation.

Molasses, in being transferred to rum will give gallon for gallon.

comes from the press.

The Inventor of Printing with Moveable Type.

Hancock, and Adams.

oppression in useful knowledge: and on the fourth is Christianity, surrounded by the repanity! Heaven-born Christianity! Divine Philosophy! look down with indifference or disdain on that bearded man, at work with tools in his smutty shop, away on the Rhine. Affect to overlook and undervalue him as a the nations think. The inventive thought and him into a greater preacher than Paul, or burning may be kept up simultaneously Ambrose, or Chrysostom. He is constructing wings for Christianity herself, which will bear her with the music of her silver trumpet to all the abodes of men. The secular is transmitted into the religious, for the press gives power and progress to religion, and Christianity rewards with smiles all art which aids her advancement.

Serpents in a Pile in South America.

In the Savannahs of Izacubos in Guiana, I saw the most wonderful, and most terrible spectacle that can be seen; and although it be not uncommon to the inhabitants, no travhad led him to the conviction that it was eller has ever mentioned it. We were ten men on horseback, two of whom took the lead, in order to sound the passages, whilst I preferred to skirt the great forests. One of the blacks who formed the vangaurd, returned at full gallop, and called to me-" Here, sir, come and see the serpents in a pile." He pointed out to me something elevated in the tion. Remember the solemnity of your vows, middle of the Savannah or swamp, which apthe assemblages of serpents, which heap themselves on each other after a violent tempest; I have heard of these but have never seen any; let us proceed cautiously and not go too near." When we were within twenty paces of it, the terror of our horses prevented nearer approach, to which none of us were incli-

On a sudden the pyramid mass became afiery eyes to us. I own I was one of the first and instead of drying it to sugar, made what losean enemy, which might be the great serselves after having seen this enemy, in order to resist him in a mass.—Humboldt.

Ancient Dentists.

all Greek slaves, who extracted teeth and professed to cure the toothache. They supplied hole in his pocket and was futively endeavor-Wine begins to ferment as soon as the juice the loss of natural by artificial teeth, which ing to shake a a shiling down the leg of his were made of ivory and fastened by gold wire. trowsers."

Russian Marriages.

Marriages in Russia are curious The In the city of Strasburg, on the Eastern priest meets the parties at the door of the frontier of France, there stands, in the prin-church. The relatives also enter, having recipal square, a large bronze statue of Gutten- ceived the henediction of the priest. They burg, the inventor of the art of printing with go with him to the altar, where he puts wax moveable types. It is a full length figure of candles in their hands—a crown is placed on that fortunate individual with a printing the bridegroom's head. The priest puts a kilns, very great inconvenience and delay are press at his side, and an open scroll in his ring upon one of their fingers, and it is passoften experienced by the difficulty, and in hand, with this inscription And there ed round till it is placed on the finger of the dentity with the comet of 1585 as supposed most cases the impracticability, of burning was light. Upon the several sides of the bride. He goes round the altar, followed by by M. M. Laugier and Mauvais.—A note was high pedestal on, which the effigy stands are the friends and the couple—he gives them his communicated from M. Vico, announcing the tour tableaux in bas relief, designed to rep- benediction. It takes place in the richest disappearance from the heavens of three adoption of machinery, and during the earli. resent the art of printing or the general pro churches in Russia. The same ceremonies er and later parts of the season, when the gress of the world. In one stand the names are performed on a marriage in the family of more fickle state of the weather prevents the of the most distinguished scholars, philoso- the Emperor, except that the crown is held ters were received giving an account of an auphers and poets, of all times; in another the above, not placed on their heads. Being rora borealis seen in the evening of the 17th names of those who have been most eminent once present at a marriage of the royal family, | ult., in the departments of the Seine, Seinefor their achievements in the cause of human the crown was held up by boys, and it was afreedom; conspicuous among which is an almusing to see them stretching themselves to nock, of Wakefield, a Tile Kiln which prom- lusion to our Declaration of Independence, hold it up. The music was delightful. I with the names of Washington, Franklin, have frequently heard the choir of the Pope, but it is nothing when compared with what I On the third side is a representation of Phi- heard at that marriage. I never heard music gave an account of a new break for railway lanthropy knocking off the fetters of the so touching. Their dresses were beautiful. | carriages which, he says, has an instantaneslave, and instructing the tawny children of The bride had a train 12 reet long, made of ous action, whereas on all the other breaks rich velvet, and lined throughout with ermine there is a loss of 10 or 12 seconds during and it took five men to bear her train, and as which the train may advance more than 150 resentatives of all nations, and tribes, and peo- she moved round the altar, followed her. It yards. A letter was received from M. Gueple, receiving from her hand, in their own | was attached to her dress below the shoulder. tongue, the word of Eternal Truth. Christi- There were many things about it very impo- ful experiments with the use of salt as a ma sing. The Te Deum was sung most beauti- nure in the growing of corn.-A paper was tifully. There are many singular things connected with their private life. When making the manufacture of Sulphuric acid without a dinner, the host and hostess do not sit, but like Abraham, serve their guests The genmechanic? A mechanic? Why out of those tlemen go up to the ladies and kiss their bars of wood and pounds of metal, and ounces hands and if they are intimate, the lady kisses the babies, serves as a baby jumper, rocks the of ink, he is constructing a machine to make his cheek. These are Asiatic customs but there is no doubt in a few years they will manual skill of that workmen of tools convert pass away and European be introduced in their place.—Dr. Baird.

A Mother to Her Daughter on her Marriage.

ed you, and directed your every step, and at st. The present plan is a great improvement length conducted you to a safe, honorable and of the "Eccaleobion," which was simply an happy protection, in the very bosom of love India-rubber machine, which is tilled with and honor. You must now be no longer, the hot water, and it being placed upon the eggs flighty, inconsiderate, haughty, passionate they are kept at an equal temperature of heat girl, but ever, with reverence and delight, and the result in every instance has been have the merit of your husband in view. Re- most successful, as only a small per centage of flect how vast the sum of your obligation, to the eggs are lost. His exhibition has attractthe man who confers upon you independance ed much attention. - Jerrola's Mag. distinction, and above all, felicity. Moderate ses, and proportion your general expenditure bung hole. to the standard of his fortune, or rather, his wishes. I fear not that, with your education and principles, you can ever forget the more sacred duties, so soon to be your sphere ofacthe dignity of your character, the sanctity of peared like a bundle of arms. One of my your condition. You are amenable to sociecompany then said, "this is certainly one of ty for your example, to your husband for his honor and happiness, and to Heaven for those rich talents entrusted to your care and your improvement.

Chinese Grass.

There is in China an article grown and manufactured into clothing, no description of which is to be found in any of the works of travellers who have been in that country. Its native name is Mae and it angitated; horrible hissing issued from it, thou- swers the purpose of silkand hemp combined. sands of serpents rolled spirally on each other. It is an annual, sown in drills, in February, shot forth out of their circle their hideous and gathered in August. It grows on dry hilheads, presenting their envenomed darts and ly soil, like tea, all over China, and in every variety of climate—much of it within two or to draw back, but when I saw this formidable three day's journey of Canton. Its consum-One part of starch, with 12 parts of water | phalanx remained at its post, and appeared to | mation is enormous; it may be found in its -which must be renewed as fast as it evapo- be more disposed to defend itself than attack various degrees of quality, among all classes will become sugar and gum at the end us, I rode around it in order to view its order of the vast population, worked into almost of battle, which faced the enemy on every every description of fabric; in the largest ca- life which are not spent in anything imporside. I then thought what could be the design bles of their junks and in the choicest texture of this numerous assemblage, and I concluded of clothing worn by the luxurious classes that this species of serpents dread some col- Like silk, it is there an article of universal consumption. There is no article at present known in the country that could be substituted for it. It is scarcely exported at all.

Dancing.

A gentleman describing the absurdity of a Among the Romans there were men, mostly man's dancing the Polka, appropriately said, "that it appeared as if the individual had a

Foreign Items.

At the meeting of the Paris Academy of Science on the 20th Dec, M. Le Verrier read a paper on the periodical comet discovered at Rome in August 1844 by M. Vico. M. Le Verrier is of opinion that the periodical comets of 1844 and 1770 are two different bodies, and not identical, as supposed by some astronomers. He also thinks that there is no istars of different magnitudes which had been marked on the celestial charts. Several let-Inferieure, Seine-et-Marne, and Loire-Inferieure.—A letter was received from M. Perro. an engineer of Piedmont, giving an account of the working of clocks on the compensation system laid down by M. Laugier. M. Olin nard, a farmer, communicating some successreceived from M. Schneider of Strasburgh, on the use of leaden chambers.

Humoraus Inventions.

The Victoria Pap spoon. This spoon feeds oradle, draws the baby wagen, plays with the poodles, takes paregoric, and washes out diapers. As a nursery assistant it is indispensable.

Egg Hatching Machine.

The system of artificial incubation or hatch-You are now, my beloved child about to ing eggs by artificial means is revived by Mr leave those arms which have hitherto cherish | Cantelo, at the Cosmorama rooms in Regent

This does not yet equal the Illinois machine then, my beloved child, your private expen- of a barrel full of eggs and the hen on the

> The latest invention for juveniles, (an ac companiment to the baby-jumper,) is a sort of mill turned by a crank, by which three children can be licked at a time. By the aid of this machine too, much labor is expected to be saved to the school teacher in the discharge of his arduous duties

How we Look.

How we appear to other people's eyes, is an oft proposed query, yet one that cannot be hardly satisfactorily answered.

"If Providence the gift would gie'us To see ourselves as others see us,"-

we should think we were looking through the wrong end of thetelescope at our virtues, and had a highly magnified view of our vices -we should at least, did we look with some people's eyes,-others might flatter us, even more than our own.

At a late sale in London the auctioneer in offering tor sale some busts of Shakspeare and Milton, described them to be portraits of two of the most brilliant stars of the age.

There are many hours in every person's tant: but it is necessary they should not be passed idly.

Great men like great cities, have many crooked parts and dark allies in their hearts, whereby he that knows them may save himself much time and trouble.

Earthenware is glazed with lead, acids dissolve it, and is therefore dangerous to be used for domestic purposes.

Pickles and vinegar should never be kept in earthenware dishes. Stoneware or wood vessels are best.