## The Christian Distlor.

united to him, as the branch is united to the cently performed in Philadelphia, which is old window-frame, where the Pewee has built condition, in one year from the time it is set. vine; then we know what it is to have our deserving of notice. A young lady from its tiny nest, and baby hands have scattered may be counted worth one dollar; and if prolives hid with Christ in God.

are here to-day, principally professors or non-next step was to supply, by artificial means, wind, and shield us from the summer sun, and In selecting the kinds of fruit, I would seit."-Presbyterian.

enter into controversy with God about the mouth, the form of which is first carefully takcternal ruin .--- Venn.

### Scientific.

the Flight of a Projectile.

earth, viz :- The amount of its effect upon a through the nose. With the plate in the mouth. projectile in causing it, during its flight, to the tongue is able to perform its office, and deflect from the object to which it is directed, fluids are easily swallowed. The idea of supor mere correctly speaking, the object to al- plying so serious a loss in this manner is as ter its position with regard to the path of the ingenious as it is successful. shot. He finds by calculation, based upon data taken from actual practice, that in latitude 52 ° a ball projected due south 5600 lisan," of Springfield, Pa., gives on its own auyards, whose time of flight was 34 seconds, thority, as a well known fact, the following acwould fall 10,914 yards to the west or to the count, to which I have seen no contradiction, right of its direction. If fired due north the though I have looked for it. I think therefore. shot will fall nearly the same distance east of there is proof enough of the fact. The statethe object, but still to the right of its direction. ment is, that Hiram De Witt, of that town.

that the same amount of effect would be pro- Thanksgiving day showing a piece of quariz duced if the ball be projected due east or gold rock to some friends, when it accidentally west, and finally arrives at the conclusion that fell on the floor and broke open. Near the the deviation of the shot will be the same in centre, firmly and closely imbedded in the rock amount in the same latitude, or nearly so, was an iron nail, about the size of a sixpenuy, whatever may be the direction of the range, straight, with a perfect head, and but slightly and that the deviation will in all cases be to corroded. the right of the object. He does not consider it of any importance in the present state of said of the immense periods necessary to progunnery, yet he farther remarks perhaps, at duce certain rocks, &c., but we have no facts some future time such perfection may be ob- by which to determine their length. Now here tained in the machine from which the shot is is a fact of importance. How long does it take propelled, as well as in the projectile itself, as the Creator to 'make any thing, is a question to make it worth while taking into account the which some pretenders of science had better rotation of the earth.

#### Fire Without Coals.

Dr. Bachhoffner proposes to effect the warming of towns by means of gas. We were invited to the Polytechnic Institution on Saturday evening to enjoy the private view of Dr. Bachhoffner's "patent fire." Ushered into the lecture-room, we saw a large party of gentlemen chatting and laughing round what of this particular quality of sheet iron has been we would call a roaring fire, only that it burned fiercely without making the slightest noise. It was an ordinary small drawing-room grate, that they have discovered this process, as aping fire of what we took to be the " cleau best screened." We saw nothing peculiar about the matter, except a woven gutta percha pipe attached to the back of the grate, and shaking off into some distant region of the mysterious institution. Dr. Bachhoffner stated that he had applied a well known combination to ordinary purposes; that what we took to be period the manufacture of the article known prove dry, put about the trees some hay or Walls-end were thin layers, or flakes of metal as Russia sheet-iron, within the limits of the straw by the last of June or first July; let (platina,) over and through which a stream of water-gas was passed, that when set on fire with a lighted taper these flakes of metal throw out a heat far greater than could be got from the same body of coals; that they were, nevertheless, indestructible-the metal (vice the coal) merchant never having the chance. of getting more than one order per house; and we were, ourselves, enabled to give evidence that there was no smell. The flakes were red hot; and the large amount of radiating surface they presented, licking over one another, completed the illusion of a brisk coal fire. The new fire could be used at once in all direct saving in expense, as compared with the costs of coals-coals involving wood too. But the patentees desire to apply non carbonis. ed gas, obtained by the decomposition of water; and with this object are starting a company to lay such " gas" on in towns. Their calculation is, that this gas would cost about 1s. per 1.000 cubic feet .- London Daily News.

Maryland, afflicted with painful and dangerous the fragrant blossoms. And does not the pa- perly taken care of for nine years more, will malignant tumor, had as the only remedy rent reap another joy in such expressions? gain a dollar each year-making a sum of WHAT SHALL I PREACH ABOUT ?- "What which promised relief, a large portion of the Think, then, of the moral influence of planting ten dollars; and for the next twenty-seven shall I preach about ?" inquired a clergyman, upper jaw-bone, on the right side of the face, a shrub or a tree, and thus in that pleasant years will pay the owner the principal and inon a visit to a neighboring pastor, as they sat removed. 'I'he operation proved successful, way add something to the progress of the race. terest, and leave him the tree at thirty years together in the pulpit. " Are the people, who the lady recovered from its effects, and the Trees promote health. They break the winter old nett profit.

professors ?" " Preach the gospel," was the the absence of the jaw-bone and the loss of breathe the air which we have expelled and is lect some of every good kind, both early and reply ; " they are all sinners, and they all need teeth, which caused an ugly disfigurement of poisonous for us to breathe again. And then late, sour and sweet ; but Baldwins I would the face. This has been done by a dentist the heart that is oppressed by care or softened make the principal. I will not spend time to

of that city. The plate upon which the teeth by affliction finds sympathy and peace in their prove that no man is too young to set out an As soon as pride is humbled enough, not to are set covers the whole of the roof of the gentle whisperings,

justice of his own declarations, every man con- en, so as to make the plate fit accurately. But say nothing about-we desire to touch an other My own dear mother, when she was between lesses himself a guilty sinner, in danger of as, in this instance, there is only half of the chord. Picture to yourself what charms you 88 and 89 years old, wished me to send her roof of the mouth solid enough for the plate may cause to clu ster about your dwelling, and four apple trees to set out in the four corners to rest upon, the plate is accommodated in what true enjoyment you may realize in their of her garden; I did so, and she superintendform to the inequalities upon which it rests, creation ; what bouds of affection you may im- ed the setting of them out and helped with her and is exten led by hollow projections-accu plant in the hearts of your children, so that the own hands, and has lived to eat fruit from one The Effect of the Rotation of the Barth upon rately fitting the mould-up into the space se ductions of wealth, or the blandishments of of these trees.

which the jaw-bone occupied, forming an arti- courts, or elegant life, shall never alienate their Captain E. M. Boxer, of Woolwich, Eng-ficial maxillary. The person, without this love from the old rural flower-embosomed land, has recently been investigating a curi-plate, is unable to speak distinctly, or to take home, and then you will be thankful to him ous question with regard to the rotation of the fluids into the mouth without their passing out who first induced you to PLANT A TREE.

A FACT TO BE EXPLAINED .- The " Repub-Captain B. by a process of reasoning shows lately returned from California, was on last

> This fact deserves consideration. Much is settle, before they set aside the Bible on the ground of the mere assertion that periods must have been as long as they guess .- Christian Chronicle.

RUSSIA SHEET IRON. The method of manufacturing Russia sheet iron is one of the secrets which have been successfully locked up within the dominions of the Czar, and the production monopolized by the iron workers of tha and within the bars was a very ordinary look pears by the following extract of the record of possible the same depth that they grew in the doings in the U.S. Senate on Wednesday last.

N. England Farmer

## From the New England Farmer. Nursery and Transplauting. BY A. G. SHELDON.

Were I about to select a piece of land for a nursery, I should choose a sandy loam that is free from stones. I would be careful that there should be no hollows where water would stand and ice freeze in the water. It will be found convenient in cultivating the trees to have the land perfectly free from stones. think it well to have the rows from 4 to 5 feet wide. This gives good room to take up the trees in one row without injuring the roots of When the trees become big the others. enough to inoculate and at the time of inoculating, it is well to cover the ground with meadow grass. This preserves the moisture in the earth, and if the weather should prove dry, as it often does in the month of August, the buds will be much more likely to live In wet, misty weather, sift ashes on to nursery trees-this helps to preserve their health. One, two, and three years' growth from the bud is the right time to transplant the trees. In taking the trees from the nursery, always be sure that the spade is sharp, to cut the roots in pulling it up. Trees should be taken up pondent quantity for cucumbers, squas early in the spring. If your ground is not dry pumpkins, melons, peas, onions, strawber enough for setting out your trees, cover up or any other fruit vegetables or grain, re the roots with earth in a cool place where the ing rich warm manure, and our word f sun will not shine on the tops; let them re-you will have a large crop of a superio main until the land is fit to receive them. lity. Thus you will become one of th When you set them out dig the hole broad who is desirous to benefit himself, an

169

orehard; but I will say a few words to prove

Dollars and cents, in this connection, we that no man here is too old to set out one.

By way of caution, I would say to nurserymen who raise apple trees to sell, never deceive your customers in the name of the fruit ; and to farmers I woud say, never set out an orchard until you are determined you will take good care of it ; for that man who sets out an orchard and takes no care of it, is to the society of farmers as the backsliding professor is to the society of Christians. Worse than a ciphere

REMARKS -Friend Sheldon utters above some sound doctrines in relation to the culture of trees, and some excellent advice, which we trust none of us will forget.

ing learned the value of poultry manure, we suppose now our readers would like to know what is the best manner to save it :

First, build you a poultry-house, if it be no more than a rough scaffold of poles or slabs, laid upon crotchets, forming a double pitch roof, with end boards in winter, to keep out the wind and driving storms. Under this, place paralled roosts; and manure during the night, then will all drop down into a narrow row beneath. Here place light loam about a foot deep, rather wider and longer than the roost, and give it a sprinkling of plaster of Paris about an inch thick with manure, give it a layer of loam four inches deep, and another sprinkle of an inch of plaster, and se continue. In the spring, mix all well toget' smooth. Be sure you cut off the the tap-root er, keep it from the rain, and use it at the r under the tree, lest you should strain the tree of one pint to a hill of corn, or in a corr

A Singular Case of Surger and Dentistry.

he characterized as important, coming from sun is good to sift in among the roots. After G. J. H. Shoenburgh & Co., of Pitsburgh, Pernsylvania, and citizens of St. Louis, Missouri, asking the passage of a law by which there may be secured to them for a limited

# The Farm.

United States.

Plant a Tree. "A thing of beauty is a joy forever."

There has been such a change in the views where within the length of the roots of the of our people with regard to the beautiful, as tree. well as the profitable, that all who can control Particular care should be taken in prunthe merest patch of land, proceed at once to do ing trees, that the top be well balanced. something which shall both please the eye have thought, sometimes, that it needed and gratify the taste. How much better this hard-hearted man to trim an orchard, for if a than to see the back yard cluttered with brick branch be ever so thrifty where it is not needed bats, old shoes, and the cast-off rubbish of years. to balance the tree, it should be cut off; this houses where "gas" is already "on," and in A man loves his wife and children better for a done, although you have nothing but a bud pleasant prospect. especially if within the left in the right place, you will soon find the els of wood ashes, and five limits of that prospect they may run and gather branch where it is needed. Very small limbs slaked lime, all well mixe delicious and wholesome fruits for the dessert may be cut off in May. Large limbs should or to offer their friends; and they certainly will be cut in August. Wood, cut at this time, love him better for surrounding them with cool- will remain sound and hard, although it may ing shades and gratifying their tastes. Here, be some years healing over. Wash trees then, is a moral effect not taken into account once or twice a year with soap suds and ashes, ed to run upon the mowing when the old boots are ostracized-the heart and scrub them with an old broom. Destroy They poach it badly, mr is sustained and made better as well as the all caterpillars' eggs in the month of March. to mow and rake, and corporeal frame. It is a real pleasure for a child to say, "My addition of my own experience, I am firm in afterwards, and per A very singular and a very successful ope- father set and cultivated this tree ; my mother the belief that a good apple tree set on good young trees than -

Standard Standard

nough to receive the roots at the whole length in saving more than a million of dolla country. Some gentlemen at the West claim in the same direction from the trunk that they ally to the country .- Am. Agricultu had naturally grown, and set them as near as

nursery. Fine pulverized soil from the gar-"Mr. Brodhead presented a memorial, which den or from the corn hills well warmed by the most simple contrivances; it me the trees is set out, it is well to lay some flat driving small stakes by the s stones around them; this will keep down the roots and steady the bodies in the wind much ing the whole to the south. T better than staking. If the season should ed with fine loam and rotter this remain till the first of October, then remove it for fear of mice, and put about the body of the tree compost manure. In the thing else that you may far spring, spread this out as far as the end of little attention you will get the roots. If you can keep the whole of the ent and wholesome vegetal ground plowed in the young orchard it is well ; the system in the spring th if you cannot, never let the grass grow any- and veal diet.

From what I have learned of others and the grass, which makes ? ration in surgery and dentistry has been re-planted this rose-bush and trained it about this ground, if well cared tor, being in a thrifty at after the min

THE HOT-BED.-This may be without hammer or nail, if you boards to keep them on their ed your delicate seeds will come as in a gilded frame. But a bed would be cheaper in the tuce, tomatoes, radishes, pe

MEADOWS AND OLD F any meadows or old fie bound, or which bore but hay last season, give them ing as soon as the frost is while the ground is soft, t quarts of timothy seed, ter rolling .- Arterican Agirich

GRASS LANDS. -Cattler fiel king .hey get : .hem de bab!" 10" will have party Will Mont nief is done.

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