ed ; provided that the debtor and creditor ac- the wren, the warbling sparrow, chattering

Science.

Application of the Electric Light.

count which the patentees exhibit will ulti-black-bird, and lark, and occasionally mately bear the test of a vigorous commer-

cial application.-London Daily News.

Public curiosity, which has been much Artificial Light obtained from the Atmosphere.

stimulated by repeated and partially success-We believe we are not anticipated by any ful experiments with the electric light, is likecontemporary in the world in announcing that husbandman, as it is active in vegetable and ly to be soon fully satisfied by seeing that sin-Doctor A. Gesner has perfected a discovery, animal life. Lagging will not answer now. gularly beautiful and powerful application of voltaic electricity brought into permanent by which Air is changed into a brilliant illu- Your plans being laid, and your implements minating agent !!! There is no mistake, in order, you go to work with good nature, and profitable operation. It will be recolnothing ideal or theoretic in this assertion. with a stout heart and willing hands, and of the trench, making two rows in one trench, lected that up to the present time two serious We have enjoyed occular demonstration of every stroke will tell. obstacles have always opposed themselves to the fact, and are positive there is no jugglery

the use of this light as a means of illumination; one being the difficulty of obtaining a in it. Hearing, as we have done, so much steady and permanent light, the other the about Paine's light from water, and Spaight's great cost of the materials employed in its electric light, but seeing that both have ended generation. These two difficulties have been mere experiments, we were inclined to think at length grappled with by a young, but al- Dr. Gesner's idea of setting the air on fire was ready distinguished man of science (Dr. Wat- as far from being likely to succeed as the deson), who by a series of patient and highly vice of putting green spectacles on a horse to philosophic experiments, has attained certain make him feed on shavings as he would on results, which, he has sanguine hopes, will grass. Dr: Gesner has, however, brought his ultimately lead to the successful commercial discovery to maturity, and its trial affords a application of the light to various purposes. perfectly satisfactory result. He has made The uncertainty and flickering of the light no noise about the matter; he has not usherbeing caused by the gradual wearing away of ed the discovery to the world with an imposing array of certificates from a host of celethe points of the electrodes, and the consequent widening of the space through which brated professors of chemistry and erudite the fluid must pass, Dr. Watson has attempt-journalists. Yet the fame of his invention, we are confident, will soon be blazed through ed to obviate the difficulty, first by the employment of a new and patented material in the civilized world, and produce universal astonishment, like Erricsson's achievement in the electrodes, which makes them less liable substituting air for steam, as a means of proto wear in their incandescent state; and secondly, by the action of a magnet placed in pelling ships. Mr. Paine dexterously gulled the base of the lamp, which, by its attractive a large number of the most distinguished sapowers, restores any deviation which may vans of the United States, two or three years have taken place in the relative positions of ago, into the belief that he had found out a methe electricity under the influence of the thod of converting water into an agent for giving light, and they recorded, in the most light.

By this invention the lamp is rendered self regulating or automatic, and the first great difficulty, the inconstancy of the light, is to a considerable extent remedied. The light having thus been got into working order, the next point to be considered was the great commercial question of cost, as until the invention could practically be made to pay, there was little hope of its being brought into general application. Without entering into any detailed technical explanation, it will be sufficient to state that this end is attained by the substitution of cheaper metallic plates in the construction of the batteries, and the employment of such chemicals in the generation of the electric fluid, as shall, having first performed their illuminating duties, undergo such changes in their own forms as to become articles of considerable commercial value and ready sale. For the plates the inventor has substituted cast iron and platinized lead for the more expensive metals-silver, copper, and platina; and an idea of the saving here effected may be formed from the fact, that whereas a single plate of platina cost £3, one of platinized lead or cast iron can be made for Sweet MAY-1s. For exciting agents or electrolytes, as they are called, the patentee employs in one battery prussiate of potash, which, by the galvanic process, is converted in those valuable articles of commerce, Prussian blue and ultramarine. In another battery, which is excited colour for carriage builders, chrome yellow, mental beings. and by another chemical combination he gets

12 . Jac.

*** " all burst forth in choral minstrelsy, As if one quick and sudden gale had swept An hundred airy harps.

But MAY is too busy a month to afford us much time in a description of its beauties .-It is as crowded with active duties for the

which would pay well for being newly worked over by plowing, manuring, pruning, scraping and grafting. If there is a healthy shell of four inches thickness, we consider the tree worth this labour. Many trees where the heart-wood is entirely gone, bear plentifully duce food for young cattle and swine more sary to secure a good crop. cheaply than you can produce potatoes, corn

In grafting, do not cut off all the limbs the

first year, in so doing you check its natural and prune gradually afterwards.

flattering testimonials, their conviction of the THE GARDEN.- Examine, carefully, all the practicability of the experiments; his brother trees, shrubs, and plants in the garden, to see showed them, while the inventor himself hap-that nothing exists to obstruct their growth. pened to be absent from the exhibition. But Insects may have been sheltered on them the affair proved to be a mere sham, and Mr. through the winter which can now easily be Paine has ever since been consigned to ob- destroyed; or moss may have gathered which scurity.-Even with these facts before us, we must be rubbed off, and the trees washed with do not hesitate in predicting that Dr. Gesner's soft soap and water.

or hay.

invention, before long, will supply the world Sow an abundance of seed for kitchen ve at large with light for all the purposes that getables; beets, parsnips, carrots, early tur-Coal Gas is now applied to, at least equally nips, lettuce, radish, cabbage, cauliflower. brilliant, manageable and safe, and certainly broccoli, also mellons of various kinds, and if vastly cheaper than any other illuminating not done in April, set raspberries, currants, agent can be afforded. We hazard this opi- gooseberries and strawberries. All these fruits nion advisedly, for the process by which this are cheaper and more wholesome in hot new light is produced is extremely simple, and weather than any principal meat diet. Flesh Dr. Gesner makes no mystery of the means he is stimulating, while fruits are sufficiently nuemploys.-Halifax Recorder. tritious, and are cooling under our hot sum-

mer suns,

Screen the garden from the northeast and northwest winds by rows or clumps of pines and cedars, or other evergreens, interspersed unexpected beauty? Thousands there are with the maple, birch, beech, or oak. 'This who are doomed by dire necessity never to will require no cash outlay to the farmer, and a little done every year will wonderfully im- can and ought, and yet have not, for the sake prove and beautify the homestead.

Corn is valuable for household purposes. and for every sort of stock : is suited to our climate and most of our soils, and if accurate accounts are kept, will be found a profitable crop. We hope more attention will be given

Asparagus.-Obtain one or two hundred roots, and set them in a trench a foot wide and deep, and a foot apart in the trench.-Spread the roots out in their natual position, at the distance of one foot apart on each side or 100 plants in 50 feet. This is the plan recommended by Mr. Cutter, of Pelham, in GRAFTING.—There are thousands of old volume 4 of the Monthly Farmer, which may orchards still remaining in New England, be referred to for a more particular description.

> The plant is wholesome, easily cultivated, and a profitable market vegetable.

MAY is an important month to the farmer, as much of his success for the year depends through many successive years. Fruit may on his operations now. Most of the crops he be obtained from old trees in a much less time cultivates must be put in, and their value will than it can be from young ones; beside, they depend considerably upon the time and manare often old friends, have long served us ner of doing it. He that would get the best well, and form a pleasant part of the landscape. return for the least labor, must work season-Do not, then, cut down the old trees. At ably and systematically, and with such tholeast, grafted and well tended, they will pro- roughness as to leave nothing undone neces-

GARDENS.

" It is beyond mortal endurance to be told, forces and induce an unhealthy state. Beside, as we are continually told, by certain sapient the suitable season for grafting is not the best economists, that they do not care for a gartime for pruning. Therefore cut off only the den, and do not possess one, because they find limbs to be grafted, and leave the others to it cheaper to buy their fruits and vegetables shelter the young scions through the summer, Who doubts it? The pleasures of gardening depend not upon economic considerations. The fascination is in the very growing of your own fruit and flowers. Is there no pleasure in tending flowers, and watching their opening blossoms—in nursing the sickly and rejoicing over the strong-in culling a wellchosen boquet? Is there no pleasure in being able to send well-ripened grapes or peaches to a sick neighbor who has them not-in bestowing a capful of rosy-cheeked apples on a rosy-cheeked boy-inviting the children of the village to partake of your gooseberriesin sending, at the close of a severe winter, a hundred cauliflower plants to the minister of the parish? Is there no pleasure in exchanging rare flowers-in petting and giving floral gifts? Does your heart not heap up when the first snow-drop-bold chider of lingering winter, and venturous invader of his icy reignshows its welcome face on the green?

Is there no transport when the seedling holyhock bursts on your astonished vision in have a garden of their own; but those who of cheapness and from motives of a mean economy, ought to be banished to some desert PASTURES .--- Unless these are extensive and wilderness, where the green earth and nature's

CALENDAR FOR MAY,

Che Farm.

From the New England Farmer.

For thee, the fraguant zephyrs blow, For thee descends the sunny shower, The rills in soften murmurs flow And brighter blossoms gem the bower.

So sang DARWIN, and scarcely a poet but dition of bichromate of potash, the well-known approach and receive the greetings of the ele- season. Pastures fed close early in the sea-

The year awakes from her winter nap in months. red, the third primary colours, having thus, it April; but she only gets half awake, and does is almost needless to add, obtained the bases not seem to feel certain whether it ought to be month, to be cut green for early fodder. An a pound of sifted sugar, one egg, a little ginger, of almost all the pigments used in the useful winter or spring ! So she gives us a touch half acre devoted to this purpose will help out and a few caraway seeds, with as much flour as of both seasons-now fierce and cold winds,

The advantage which is expected from these and then balmy airs; scowling clouds and discoveries is, that the commercial value of soft sunshine; now hail and snow, then soft, these products of voltaic action will complete- pattering rains, washing the face of the fields, ly cover the cost of manufacture, and leave and bringing out a bright color here and there the light itself a clear and unembarrassed in her new dress.

source of profit. The value of all these im- But MAY unfolds unnumbered charms. She provements was tested by an exhibition of spreads the earth with green, and dots it with adage-

their results at the patentee's laboratory, at flowers of varied hue; fills the trees and Wandsworth, to a circle of both scientific and shrubs with bursting buds and expanding commercial gentlemen. A large apartment blossoms, and loads the air with fragrance. was steadily and beautifully illuminated by All is activity and love in lovely MAY! Fair then let it be wet or dry, you will rarely fail thick cream, boil it well with one blade of mace the light for several hours, and much interest maidens and bounding youth skim the hills, of obtaining a good crop of corn, -- one of the (or cinnamon if preferred), thicken with some flour. was excited by the mode in which, at regu- the margin of the winding brooks, and shel- most substantial and profitable crops of New add seven eggs, sweeten to your taste, put in some lar intervals, the regulating operation of the tered nooks in the wood, for early flowers. England. We have retained, in our practice, nutmeg, fry them in batter, and strew sugar over

magnets was brought to bear upon the elec- As the expanding flowers, so expand their many of the English modes of cultivation, and trodes. The illuminating process was probeating hearts, and knit in holy love, they others that of hilling corn, and perhaps all nounced to be completely satisfactory; pro- ripen together here for a still lovlier MAY the hoed crops. In a climate where moisture four tablespoonfuls of flour, a little nutmeg and using, as it and, a perfect and brilliant day-light. In another apartment the chromatic The elms and maples that for a week or products were exhibited, and were much com-two have held their pendent tassels, and in-mended for their brilliancy and truth of tints, vited whole colonies of here to test their mended for their brilliancy and truth of tints, vited whole colonies of bees to taste their those months, the practice is evidently a bad the batter to make a very thin pancake without so that both results-namely the production sweets, now scatter innumerable seeds, and one. Let the cultivation be deep, mellow, any fat to fry them, and only fry one side ; of a steady and continuous light, and a cost- go on with their work of growth. The robin and level, and we presume the crop will do strew sugar between them, and place the brown less exciting agent, may be said to be attain- is here, and the blue-bird, the early swallow, better on a level cultivation.

varied, that is hilly, and containing low, moist flowers may not waste their sweetness on places, affording very early feed, it is a good them." plan to keep the cattle from them until the praises, or describes, or alludes to the beau- first of June; the grass then becomes more ties of this month. He sings it as the off- vigorous-the roots gain a firmer hold, and by nitro-sulphuric acid, he gets, with the ad-spring of the solar beams, and invites it to consequently continue stronger through the son are worth but little during the dry, hot fortnight, then press and filter it. A little essence

> Soiling CATTLE.-Sow southern corn this product of your cows more than pay cost of biscuits.

labor. Then continue sowing, weekly, until July, and you will be able to keep up a large and when it boils put in a little salt. Stir in by flow of milk.

THE CORN CROP. - Remember the old

"When oaks look gray, Plant night and day.

RECEIPTS.

ESSENCE OF GINGER.-Let four ounces of Jamaica ginger be well bruised, and put it into a pint of rectified spirits of wine. Let it remain a of cayenne may be added, if wished.

your pastures wonderfully-and the increased will make it into a paste; roll it out and cut it into

HASTY PUDDING.-Set some milk on the fire, degrees as much flour as will make it of a proper thickness. Let it boil quickly a few minutes, beating it constantly while on the fire. Pour it into a dish, and eat it with cold butter and sugar. Some persons add eggs to this.

RICE FRITTERS .- Take half a pound of rice, Plow deep, pulverize and manure well, and boil it in water till tender, strain it to one quart of them.

> SANDBRIDGE PANCAKES.-Beat four eggs with side uppermost. - Godey's Lady's Book.