Scientific.

Beauties of the Beavens.

not exactly known. La Piace fixes the time pearance of standing out in relief. This is and give it a good rubbing, once evey day. fourteen hundred years before the Christian also the case in representation of natural and ere; but Sir Isaac Newton published an other objects, especially those produced by memory of the Argonatic expedition. It themselves. characters, to the end of time.

every continent, island and ocean, it is, in a formed from the originals for her Majesty-

Before astronomical calculations were made don Morning Chronicle. with any degree of accuracy, the Greeks marked the rising of Arctutus, the Pleiades and A few days since, Mr. Francis Choate, of Orion, to determine the season for agricultu- Lynn, Mass., died at the Massachusetts Hosral labor; and should the knowledge we now pital in Boston, of Mortification of the bones possess of astronomy be obliterated by any of the jaw. The business of the deceased moral or physical convulsion, mankind would was the manufacture of friction matches, and again be necessitated to return to this mode of it is supposed that the poisonous exhalation determining the season. The rising of Sirius thus imbibed was the cause of the disease with sun announced to the Egyptians the pe which resulted in his death. giod when they might expect the overflowing The Scientific American says that this is of the Nile, and the time to sow their grain, not a singular case; "the disease is well make their canals and reservoirs, and pre-known, and peculiar to all those engaged in pare for their coming harvests.

ple them, and the peculiar displays of Divine been informed some time since. The dis benignity enjoyed in every world, without be-covery is the making of phosphorus amor ing overpowered in our conceptions; and we phous." Thou art mindful of him?" In the vast field of astronomy, the most luxuriant mind or imagination may revel at will; and in its boldast flights, it can scarcely soar beyond the reality of the magnificent objects which exist hin the range of creative intelligence.-Arthur's Home Gazette.

Claudets Stereoscopie Daguerrectype. In 1838 Prof. Wheatstone illustrated, at one I the meetings of the Royal Society, by means

of a small optical instrument which he termed a THE SKIN .- No part of the human body is added about equal parts of sand, making a

the constellations refer to a period and circum- curious optical discovery to the art of photo- is the very slight effusion of blood caused by rat or mouse can gain admittance, and it is so stances higher or of more remote antiquity graphy. Hitherto photographic pictures, not the wire as a dividing instrument. than that event. The most probable origin of withstanding their astonishing, and too often them is, that they were Chaldean and Egyp-unwelcome, accuracy and minuteness of detian hieroglyphics, intended to perpetuate, by tail, and despite the adventitious aid of color imperishable records, the memory of the times subsequently applied by the artist, but in the in which their discoverers lived, their religion, appearance of the objects represented, which manners and achievements in the arts and nothing could disguise or conceal. Astonishhistory. There is a grandeur in the idea of ing as were the results thus produced by the thus enrolling their history among the stars, effects of light in thus accurately producing those bright-eyed sentinels of heaven, which the most vivid representations and pictures, must survive and stand as living, blazing still more astonishing is it to find that under a particular mode of treatment, the same The benefits arising from the study of as- agent may be made to perform the work, not trouginy have not been sufficiently appreciate of the artist alone, but of the sculptor-to proed, except by the navigator, and to him it is duce not merely pictures, but models, not an interring guide, which enables him to per- merely portraits but statues, standing out in sue his way through the trackless seas, and to relief, and possessing all the appearance of ascertain his exact position, the distance he the most exquisite and wondrously-minute has travelled, and the rocks and shoals which productions of the sculptor's art. The stehe in his path. It is only by astronomy (for reoscopic representations, which we have seen on it the science of navigation is based) that at M. Claudet's establishment, of the interior these things are fully and particularly known. of the late Great Exhibition, the views of the In this light alone it has become of vast im- transept and nave, are of the most remarkable portance to trade and commerce, by promoting character. They possess all the appearance intercourse between the most distant nation. If of solid models. There is a proper distance science has explored almost every region; if between all the objects, each of which appears politics and pholosophy have opened commu- to stand out in bold and clear relief, while nications with the remotest kingdoms of the the most accurate notions may be formed earth, if alliances have been formed with the from looking at these productions, of the vari most distant races of mankind; if traffic has ed dimensions of the wondrous structure exchanged her multifarious productions with Complete sets of these views are now being great degree, in consequence of the aid de- who has expressed her warmest opproval of rived from the never-varying stars, which go them-for the Emperor of Russia, the Sultan, before the mariner "like a pillar of fire," to and various other continental sovereigns. But guide him on his way. The science of as-probably, by far the most successful applicatronomy lies at the foundation of our geogra-tion of stereoscopic photography will be found phical knowledge; it is subservient to the in the production of portraits, of which a very purposes of universal commerce; it deter-large number have already been taken by M. mines the seasons and directs the operations Claudet. In viewing through the stereoscope of the husbandman; it supplies us with an the portrait of any person, the illusion of reequable standard of time, and settles the events ality is perfectly astonishing. It need scarceof history it lends its aid to the propagation ly be said that, accurate as are the portraits of religion, and undermines the foundation of taken in the ordinary manner with one camasuperstition and astrology. Above all, it il ra, the representations obtained by the use of his universal empire; effords subjects of di-more complete, inasmuch as the features both vine contemplation; enlarges the conception upon the right and left side are portrayed, and and invigorates the mental powers; counte-unite to form one complete picture. A large racts the influence of pride; promotes the ex-collection of portraits as well as pictures ercise of humanity; prepares the soul for the taken upon this principle, may be inspected employments of the future world, and demon- at M. Claudet's establishment in Regent street. strates that the Creator has it in his power We may add that the stereoscope is, in form to open up endless, deversified sources of hap- and size, something similar to that of an operapiness to every order of his intelligent off-glass, and may be constructed so as to be perspring, throughout all the revolutions of eter- feetly portable, and is not likely, with ordinary treatment, to get out of order .- [Lon-

making phosphorated matches. The phos-We cannot contemplate the innumerable phorus used is the cause of it. A remedy for worlds which exist throughout the immensity the evil has been discovered, as those who are of space, the countless intelligences that peo-subscribers to the Scientific American have

> Mann, in alluding to ill-ventilated school-hous- was upon the upper edge of the strata of a es, remarks as follows: "To put children very soft rock, quite uneven and very wet neighbor dresses, and how little she can get will on a short allowance of fresh air, is as foolish most of the year. A plank floor would last look pleasanter if she talks about something else. deluge, to have put his family on short allow- decay, producing a very damp, unhealthy atatmosphere fifty miles deep, it is enough to many days. make a miser weep to see our children stint In the first place I procured a quantity ed in breath. To this

,, sterescope," his very curious and interesting neglected so much as the skin. We keep try- very coarse but tenacious mortar. discovery with respect to effects of binocular ing to reach the inside parts with physic, at a I filled the interstices of the wall, making a The Chaldeans and Egyptians were proba- vision that when the axes of vision are coinci- considerable expense, and upon the outside, tolerably even surface. I next covered the bly the first discoverers of the science of as-dent with any two figures and form but one the skin, we are not willing to expend so bottom to the depth of from 6 to 12 inches tronomy; but at what precise period the picture to the eye, such picture possesses all much as a bowl of water. If you want to be with small field stones, leveling the surface with heavens were arranged into constellations, is the properties of both, and presents the ap- well and lively, wash every part of you skin. smaller pebbles as well as I could. I then pro-

opinion, based, as he believed, on reliable da- the camera obscura upon photographic tables, -Some operations have been performed late- was made and spread as smoothly upon the ta, that the constellations were signs or figures which are identical in point of correctness and ly at Vienna, by means of platina wire heated stones as possible to the depth of 11 inches. used to commemorate the achievements and minuteness with those produced on the retine red-hot, which has been found to sever the In a few months this floor become almost as flesh with as much ease and celerity as a knife. hard as the "neither millstone," and is very should be remembered, however, that some of M. Claudet has now practically applied this One great advantage offered by this method, easily washed and kept clean and sweet.

> JONAH IN THE WHALE'S BELLY, -In the cavity of the whale, a safe and practicable asylum is afforded-not indeed in the stomach, but in another cavity of the whale: the throat is large, and is provided with a bay or intestines, so considerable in size, that whales frequently take into it two of their young ones when weak, especially during the tempest. In this vessel are two vents, which serve for inspiration and respiration; and here, in all probability, Jonah was preserved, not indeed, without a miracle, but with that economy of miracle so frequently exemplified in Scripture. -Plymouth Memorial.

The Farm.

General farm Management.

After reading a report of the discussion of the Winchester Farmers' Club, we write the following from memory as a synopsis of the more important facts elicted. The requisites for success were admitted to be good drainge, removal of useless enclosures, and consequent loss of room from useless hedges, deepening of the soil, extended employment of water as in irrigations, the enlarged introduction of root crops, the increase of live stock with suitable accommodations, and consequent large returns of grain crops; the selection of better seed and employment of better proportions; the improved and extended employment of manures and their more liberal apdication, and the introduction of more effectual machinery and implements.

Before a farmer commences operations he hould study well these requirements. Are these questions can be answered satisfactorily, completed. let the aspirant for agricultural fame either abandon his project, or cultivate only so much of his land as will enable him to meet all these one acre more than his means and facilities

ply cheerfulness and health. A good pay-dicates a hard feeder. master always makes good bargains and firm friends, comfort will surround him, and his work hands will render him happy by feeling themselves obliged .- Working Farmer.

A Good Cellar.

The following directions for making a good cellar possess merit, and we therefore give them a place in our columns. A good cellar is a most important advantage, especially to the farmer. We find the article in the Gran-

"A good cellar is almost a luxury, at any rate it is a very important item to every dwelling house. Having a very poor one myself, I determined to make it better if I could. The walls were laid with cobble stone mostly AN APT COMPARISON. - The Hon, Horace and seemed to defy the mason. The bottom as it would have been for Noah, during the but little while and was always in a state of ance of water. Since God has poured out an mosphere, wholly unfit to keep anything sweet

cured two or three casks of water cement, (now a common article, costing about \$1,50 A New Method of Amputating Limbs, per cask in Boston,) with this a simple mortan dry that I may lay my apples upon it if I chose: or other vegetables, or casks, without any injury from dampness. It is now in fact a first rate cellar."

> POULTRY AND Eggs,—I do a small business in raising and putting up garden seeds, and last fall, a year ago, as I was clearing out some red pepper seeds in my back yard, I threw the shucks and chaff promiscuously about. I soon observed my hens picking them up and swallowing them with great avidity. They soon commenced laying eggs, though they had laid none for a month before. I fed them regularly, two or three times a week. since then, with red pepper, and they havenever yet stopped laying, summer or winter, spring, or fall, except while they were hatching their chickens; and I am confident, frommore than a year's experience, that, by this method, hens may be made to lay the year round.—Dollar Newspaper.

> Judicious Cultivation.—Farmers who think that nothing can be done in their business unless the soil is cultivated by the hondred acres at least, cannot appreciate the extent to which one acre or a dozen acres can be developed. Take the experience of Mr. Cherry, of Black Rock, New York, who cultivated last season but twelve acres. He publishes in the Albany Cultivator that he raised : 800 bushels of corn, in ear, sold at 25c \$200 00 135 1-2 do. wheat at 100c. 135 50

> > \$710 50

HIGH MANURING.—The editor of the Michigan the out-houses proportionate to the extent of Farmer, in his foreign correspondence, states that farm? has he the necessary amount of capital Robert Craig, a very successful cultivator near to conduct so large a farm? has he sufficient Glasgow, applies manure at the rate of \$100 per knowledge of the science of agriculture to use acre !- and finds it profitable. Although he makes his capital with precise economy? are the fa- much on his excellent and fertile farm, he draws cilities for obtaining water adequate? and are over a dollar a load for it. It cost him over \$2,the supplies of manure sufficiently near to lustrates the glory of the perfections of the two, placed at different angles with the sitter, compensate for the materials to be removed each acre. This keeps the soil in fine condition is y the sales of crops and cattle? Unless all for several years, or till his five years' rotation is

> How to Junge Cattle.-In all domestic animals, the skin, or hide, forms one of the best requirements at an early date; for if he has means by which to estimate their fattening properties. In the sandling of oxen, if the hide be found soft and silky to the touch, it affords a proof will enable him to cultivate, in the best man- of tendency to take meat. A beast having a perner and at full profit, the loss on every other fect touch, will have a thick, loose skin, floating, acre will be as great as the profit on the one, as it were, on a layer of soft fat, yielding to the while the time for his farm to arrive at the slight est pressure, and springing back towards state of perfection and high profit, will be put the finger like a piece of soft leather. Such a off beyond the ordinary length of life of man.
>
> All these conditions being acquired, let him proceed and let promptness and industry supproceed and let pr

> > Musu.—It is very common to make mush by boiling only a few minutes. This is all wrong. It should be boiled one or two hours, and if longer will do no harm. It will be necessary to occasionally add some water, to keep the mass thin and prevent burning.

> > NUMBER ONE .- One hour lost in the morning by lying in bed, will put back all the business of the day

One hour gained by rising early, is worth one month in a year.

One hole in the fence will cost ten times as much as it will to fix it at once.

One diseased sheep will spoil a flock.
One unruly animal will teach all others in company bad tricks; and the Bible says, "One sinner estroyeth much good."

One drunkard will keep a family poor, and make them miserable. One wife that is always telling how fine her-

One good newspaper is one good thing in every.

The Rural New Yorker says, "We disbelieve In the first place I procured a quantity of grow poorer every year—and in farmer's sons lime from the limers of a tannery. To this I ashamed of their father's calling."