there."

gro in Virginia, who was remarkable for his isinglass are afterwards added. good sense, and his knowledge of the essential truths of Christianity, and especially for secret of earthly happiness.

THE CLERGYMAN AND THE SCEPTIC .- "If it?" was the caustic reply.

Scientific.

DISCOVERIES IN EASTERN AFRICA.-At recent meeting of the London Syro-Egyptian Soc., Dr. Beke communicated some "notes' on recent Geographical Discoveries in Eastern Africa, illustrated by a large map, on which he marked the position of the snowy mountains Kilma-Djaaro and Kenia, from the latter of were shown on the map.

tish Patent Laws: it is high time they were re- vidence. expires, unless it is found unprofitable, when virtues. ment.—Excelsior.

PERSEVERANCE OF THE SAINTS. -A clergy- singular process. In 1656, about two hund- Prof. Mapes of New-Jersey, in his 'Work- sures, general public drainage, &c., all man in Vermont was once trying to unsettle red years ago, a Venetian, named Jaquin, dis- ing Farmer' for April, thus bears testimony to requiring appropriations from the Public Trea the faith of a pious old lady, who was a firm covered that the scales of a species of fish pos- the effects of science in improving the Agri- sury. In addition to these appropriations by believer in the perseverance of the saints, To sessed the property of communicating a pearly culture of that State: his arguments she replied, "God has under- hue to water. He found by experiment, that "Within the last three years we have visit- vertisements in the Mark Lane Express of taken to save my soul, and I expect him to fi- beads, dipped in this water, assumed, when ed many farms in New-Jersey, and some of chartered companies, with capitals varying nish the work." "Ah," said he, "but what dried, the appearance of pearls. It proved, the owners of these farms sent certificates of from \$500,000 to \$5,000,000, offering to if he should leave you to fall away and pe-however, that the pearly coating, when placed results to Trenton. One represented that un-make loans for under-drainage of land in rish?" "And," said she, " what if God had outside, was easily rubbed off, and the next der our advice he had added the missing con-terms nearly as liberal as those offered by the let Elijah fall after he had taken him up to improvement was to make the beads hollow. stituents to his soil, at an expense of only Government. We find, also, the reports of carry him to heaven?"- "Oh," replied the The making of these beads is carried on even \$4 122 per acre, with proper tillage, and pro- County Agriculturists paid by County Socieminister. "it was not at all likely he would." to this day in Venice. The beads are all duced, in consequence, the following crops: ties, whose business is to visit the different lo-"Well," said the old lady, "no more likely is blown separately. By means of a small tube Corn 128 bushels of ears per acre, where for-it that God will undertake to carry me to heathe insides are delicately coated with the pearmerly, with much larger expenditures for maadvice to farmers. Schools for instruction in ven', and let me fall before he gets me half way by liquid, and a wax coating is placed over nures, but 30 bushels of shelled corn had been Scientific Agriculture are being established in that. It requires the scale of four thousand produced. Potatoes 310 bushels per acre. almost every township, and the wisest and best fishes to produce a half pint of the liquid, to Mangold-wurtzel 16 tons per acre, and other men in the land are lending their aid to the FALLING FLAT ON THE PROMISES. - A ne- which small quantities of sal ammonia and crops in proportion. Another (a member of general advancement of Agriculture.

his freedom from all gloomy fears in regard to saiah xviii. may have been perplexed to un-unworthy cultivation for corn, he had raised, home, and her offspring had gone to sleep. in this blessed frame of mind." "Why Mas-versally explained to mean, vessels of the pa-that the expenses for fertilization were less sa," he replied, "I just fall flat on the pro- pyrus plant. And modern research shows than for the ordinary method by barn-yard mises, and I pray right up:" an answer that that the Egyptians built their boats of the root manuring. would do honour to the head and heart of a of the papyrus; its stalk served them for masts; "We asserted, without the fear of contraphilosopher, and that contains in it the true its bark for sails; and its stoutest fibres, twist-diction, that in no case where we had been ed together, for cordage.

some certain knowledge of it?" said a sceptic its uses have been understood about 2,000 than one hundred farmers in New-Jersey. to a clergyman. "Why did'nt you have some years, and its utility in the arts more than 1,- In another article in the same paper, Prof knowledge of this world before you came into 000. The coal deposits of this country are Mapes gives the following glance at what is extensive and rich, and will beyond question doing for Agriculture in Europe by Governsupply all the demands that the steam-engine ments which we are accustomed to consider may make upon them even in the vast increase as far behind our own in knowledge of, and of commerce and manufactures soon to take devotion to, popular well-being: place in those parts of the world.

The Farm.

[From the N. Y. Tribune.] WILL GOOD FARMING PAY?

which Dr. Beke entertained little doubt that of letters from farmers who coolly undertake the waters poured into the Nile. Baron Von to set us right with regard to what we may Muller, late Austrian Consul General in Seterm High and Low Farming-they consider-ment are ever ready to lend judicious aid naar, had stated that the natives of the valley ing our notions occasionally indicated in The their farming interest. As an example :- by of the Bahrel Abyad, between four and five Tribune entirely erroneous, or at least un-long experience it has been ascertained that b degrees North latitude, were acquainted with suited to the present condition of Agriculture thorough underdraining, an acre of land wil a very lofty white mountain, "whose peaks in this Country. "Land is so cheap and La-Dr. Beke noticed the volcano in an active have no clear idea of what superior farming have been made during the last session of Parstate, of the existence of which, in the Wak- really is, but if pressed for a definition of it, liament, one of which is £2,000,000 sterling ern Africa; the ulterior object of which is said growing any crop of it at all, it will pay for ble the occupant to meet these payments.-

taining patents is demanded, and a reduction inches, and manures feebly, and gets in his luatons. of the fees to about \$130. I hope these re- crop late, and about half cultivates it through Now, look at the position of all the parties and \$35 every year afterwards, until the term against nature by exhausting the Soil of its amount of products.

and is well worthy of your attention in Ameri- it was before. It may not, indeed, be in con- nation, is it not ridiculous at this time to hear rarely happens when brick dust is used, and ca. It is derived from the French system, dition to produce a larger amount of that same American farmers railing against the prac- from the mass of fibre quickly thrown out from where the government prosecutes for infriuge- crop; if so, that is ample reason for changing tice of under-draining? In addition to this the bottom of the cuttings I am convinced cent.—Excelsior.

to something else. To say that a farmer can't loan of \$10,000,000, the Government have that there is something more than the texture afford the fertilization and culture needed to appropriated \$1,000,000 for similar purposes of the brick dust which causes the much obtain filty bushels of corn from an acre but in Ireland, and a further sum of \$4,000,000, greater vigor and success of cuttings planted tiful, inexpensive and common ornaments for can afford to own, fence, till and pay taxes on if the Commissioners shall think advisable.

the House of Assembly) represented that on a

furnished with an analysis of the soil, had we failed in increasing the income of the owner Coal in China .- Coal has not been known more than one-third, and this, too, after have we are to live after death, why don't we have in Europe more than 300 years. In China ing advised under such circumstances more

ADVANCEMENT OF AGRICULTURE.

Our readers will be surprised to learn how much is being done by European Governments for the advancement of Agriculture, while our own General and State Governments are su pinely inert on this all important subject.

We are sometimes provoked by the receipt | Every political economist knows that an increase of production adds permanently, to national wealth, and hence the English Governproduce one-third more nett results to the are completely white," situate at a considera-bor so dear," say they, "that we can't afford owner, and therefore the Government have ble distance to the south of their country, and to farm so high as the English and Belgians enacted laws and appropriated funds to be in which that river is said to have its 'origin. do." Now half the men who talk in this way used for this purpose. Several appropriations nafi country, north-west of Mount Kenia, Dr. will dilate on the unproductive expense of equal to \$10,000,000. This sum is placed Krapf received information from the natives; white-washing trees, plaining boards for fen- at the disposal of commissioners, who loan it also the country of the Uniamesi, in which is said to be a large lake named Usambiro, apparently the lake Zambre of the Portuguese, good or bad, may expend so much capital in a loan is made to him on mortgage, to be apand according to Dr. Krapf, quite distinct mere fancy-work as to render his farm unpro-plied to underdraining. This mortgage is from Nyassi, or Niassa, as the Dr. writes it. ductive and even an expense to him; but that only active on the increased value of the farm Dr. Beke agreed with Dr. Krapf in looking does not invalidate the sound general rule that by under-draining. The borrower is required the evidence beyond a cavil to any unprejuon the country of the Uniamesi, or "of the any thing can profitably be well done which to pay 5 per cent. interest, payable annually, moon," as the central point of division between can profitably be done at all. To this rule we and 5 per cent. of the principal, and thus the waters flowing to the Mediterranean, to know no exceptions. One man's land may be in 20 years both principal and interest will be the Atlantic, and to the Indian Ocean This unsuited to Corn, or Wheat, or Barley, so paid off: and the first instance has not yet occountry is to be made the centre of the mis- that he ought not to attempt the growing of curred where the increased products of the sionary system now being established in East-that particular grain; but if it will pay for land have not been sufficiently great to enato be "to extend an equinoctial chain of mis- growing a good one. If it will not pay for Should the borrower fail to meet the requiresionary stations across the whole breadth of such a crop, it will not for any; and should ments of the mortgage, then the farm may be luck depends not so much upon the treatment the continent from east to west." The proxi- be turned over to something of which it will sold, but before the Government can appromate sites of the first stations determined on yield a generous return; and, in default of priate any part of the amount toward the liqui- note of it" for the benefit of your readers. that, given up to pasturage and got into wood dation of their mortgage, they must first pay the as soon as possible. To raise a twenty-bushel borrower the amount at which the farm was va- kiln after burning, or what may be made by BRITISH PATENT LAWS .- Strong efforts crop of Indian Corn ought to be indictable as lued before being underdrained; and long ex- taking soft bricks and pounding them up. Eare now making to obtain a reform of the Bri- a perversion and waste of the bounties of Pro- perience has established, that underdrained nough may be had at any brick yard for a farms will always sell for more than the cost mere trifle to last a great while, but I think formed. A simplification of the mode of ob- The farmer who ploughs (once) five or six of underdraining added to Commissioners va-

forms will be carried through so that justice the Summer, and gets a meagre half-crop in at the end of twenty years? The owner of entirely with brick dust (except about an inch may be done by the Patent Laws of the Bri- the Fall, (unless cattle happen to break over the land having paid off the mortgage from intish realm to the poor inventor, as well as the his shiftless fences and eat it up meantime) creased products, is as much richer as the value rich. An improvement of the Patent Law re- not only dooms himself to fence, and watch, of the improvement; while the Government commended, is, that a patent be granted for and pay taxes to twice or thrice the extent he have been repaid, and the wealth of the nation dust and half sandy loam. 21 years, that \$25 be paid down when granted, ought, but he is committing a flagrant crime has been increased equal to the increased ability of the soil to continue to produce this brick dust than in sand or in loamy soil in the the patentee can let it expire just by not paying his yearly tax. I think this is a good plan, to be worth more after each year's tillage than us. In the face of the experience of a whole fatal to cuttings made in the ordinary way,

women now made, are produced by a very it for twenty bushels, is an amazing absurdity. Many other acts have been passed for inclo- ry way .- Exchange.

the Government, we find half a column of ad-

Necessity may truly be said to be the mother piece of ground in Passaic County, which had of invention; but in our country it would Vessels of Bulrushes .- Many a reader of I- been considered of very inferior quality and seem as if old Mrs. Necessity was away from his eternal state, was once addressed on this derstand how ambassadors could have been by adding the missing constituents of his soil, Why is it, that while our mechanics are busily wise: "You seem to be always comfortable sent by sea, in vessels constructed of such under our advisement, 138 bushels of ears of employed in the application of the sciences to in the hope of the Gospel. I wish you would materials. Alexander, in his commentary on corn per acre, and that his crop of long orange their vocations, that farmers alone will suffer tell me how you manage it, to keep so steadily the passage, says, that the phrase is now uni- carrots averaged 600 bushels per acre, and theirs to remain without improvement? The exceptions to this rule are really rare, nor do we claim from our legislators any amend-

> We find our Government ordering new steam vessels almost monthly, for the mere purpose of testing new inventions in steam machinery, and the whole mechanical interests of the country using their interest and influence to press forward the appropriation. More than \$100,000 have been spent for improvement in the telescope, and not one cent has yet ever been appropriated for improvements in the plough. Within the last twelve months France has endowed 180 Agricultural Colleges and Academies, while the politicians of the United States have told the farmers that they were the bone and sinew of the country, and paid nine-tenths of the taxes, in consideration of which they had better attend to their business in the old way, and vote for them again at the next election.

Prussia, and indeed all the continental powers, are organizing institutions for the advancement of the agricultural interest, and while all the world beside are busy in the good work, both our General and State Governments lear to act with promptness and decision. The hackneyed excuse that we have so much spare land will no longer avail. Our whole sea-board, and indeed our middle States, do not produce half the grain crops of thirty years ago. The great majority of our bread-stuffs are brought from the West; and even the wheat-growers of the far famed Mohawk and Genesee Valleys, are driven from the field by western competitors. One competent lecturer on Agriculture, visiting the different counties in either of the Northern Atlantic States, and delivering free lectures on Agriculture, would double the crops in five years. Let those who doubt it spend a diced mind, we will break our pen and cease to urge our readers to increased exertion.

Cuttings in Brick Dust.

I have had great success in propagating plants lately, especially the more tender kinds of greenhouse plants. As I think my good as the material I use, I beg you to "make a

This material is brick dust, the refuse of the fresher it is the better. For those plants most difficult to root, such as Daphnes Heaths, Cape Jasmines, &c., I fill shallow cutting pots at the bottom, which is filled with coarse lumps of brick, to secure a good drainage.) For plants that root more easily I use half brick

It is quite surprising how much more cer-Add to this the future tainly and quickly cuttings of all sorts root in in brick dust over those planted in the ordina-