friends in the village that a table was needed to complete the farniture of the study, there was a voluntary and prompt response to con- Mr. Richard Shaw, son of a prominent matribute the means to procure one. This is nufacturer in Norwich, has succeeded in acthe first study of the first Nestorian pastor, complishing an invention which gives the of September may be considered the most faand is likely to introduce a new and striking power to weave by hand two perfect pieces of vorable part of the year for making improveidea into the minds of Nestorian ecclesiastics goods, however varied in color, complicated ments on the farm. At this season, the earlier which the plough reaches. Those who have in regard to their appropriate calling.

Scientific.

ELECTRO-MAGNETISM.

PROF. PAGE'S EXPERIMENTS .- A series of lectures have been given at the Smithsonian Institution, in Washington, by Prof. Page, of the Patent Office, in illustration of his recent experiments on Electro-Magnetism as a motive power. He states that there is no longer any doubt of the application of this power as a substitute for steam. He exhibited the most imposing experiments ever witnessed in this branch of science. An immense bar of iron, weighing one hundred and sixty pounds, was made to spring up by magnetic action, and to move rapidly up and down, dancing like a feather in the air, without any visible support. to average three hundred pounds through ten faces of sheet-iron. I have found a very thin roadsides. &c. These are not only great an acre.-Cultivator. this bar one hundred feet as readily as through preserve Russia-iron stoves and grates from unsightly to the eye, and conveying an unpleainches of its motion. He said he could raise ten inches, and he expected no difficulty in doing the same with a bar weighing one ton, tions. or a hundred tons. He could make a pile driver, or a forge-hammer, with great simplicity, and could make an engine with a stroke of six, twelve, twenty, or any number of feet.

The most beautiful experiment we ever witnessed was the loud sound and brilliant flash from the galvanic spark, when produced near a certain point in his great magnet. Each recent discovery he stated to have a practical bearing upon the construction of an electroinagnetic engine. Truly, a great power is here; and where is the limit to it?

He then exhibited his engine of between vented. four and five horse power, operated by a battery contained within a space of three cubic feet. It looked very unlike a magnetic machine. It was a reciprocating engine of two feet stroke, and the whole engine and battery weighed about one ton. When the power was thrown on by the motion of a lever, the engine started off magnificently, making one hundred and fourteen strokes per minute; though, when it drove a circular saw ten inches in diameter, sawing up boards an inch and a quarter thick into laths, the engine made but about eighty strokes per minute. There was of Mr. Junius Smith, now of South Carolina, great anxiety on the part of the spectators to to cultivate the tea plant in that State, and throughout the whole motion of two feet, was learns from a gentleman deeply interested in gine was moving very slowly; but he had not plant is eminently trumphant. He adds :--been able to ascertain what the force was when the engine was running at a working speed, highly and delicious flavored than that imthough it was considerably less. The most ported, being in all respects like that drank important and interesting point, however, is by the wealthy in China. The grand differ-the expense of the power. Professor Page ence between the American grown and the stated that he had reduced the cost so far, that imported being the loss of flavor occasioned the breeding places of worthless plants and it was less than steam under many and most by the sea voyage. Latitude thirty-four north, disgusting reptiles, and filling the atmosphere conditions, though not so low as the cheapest in Alabama, Georgia, and North Carolina, with seeds of human disease, may often be to alternations of hunger and surfeit. Like huconditions, though not so low as the cheapest in Altabalia, decogia, and Horn Ontonia, brought into most profitable and station.— steam engines. With all the imperfections of proves better suited for the cultivation of the proves better suited for the proves better suited for the proves better suited for the cultivation of the proves better suited for the proves better su power. The larger his engines, (contrary to ment, is already realizing handsomely by the produce, when redeemed from the effects of of hay chaff, with a plentiful allowance of Swewhat has been known before,) the greater the sale of his young trees, which are eagerly stagnant water and wild plants. They are dish turnips, has been recommended as a daily particularly natural to grass, and when pro- allowance. The use of linseed oil in feeding. prised at the result. There were yet practical turists. prised at the result. There were yet practical difficulties to be overcome; the battery had yet to be improved; and it remained yet to try the experiment on a grander scale, to make a power of one hundred horse, or more. The straw to be frequently blossom; one of the straw to be frequently account of its lovely blossom; one of the straw to be frequently of September. Timothy, and the large reda power of one hundred horse, or more.

Improvement in Weaving.

The Norwich (Eng.) Mercury states that have, we believe, been made to accomplish forded, there are other circumstances which the same end, and the great difficulty experi-render this a suitable period for such operaenced has been to obtain the salvages of the tions. The ground is generally drier than at separate pieces.

A Useful Composition.

the latter forming those acids which corrode metals-copper and brass, for example :---

Several important practical applications recoating, applied with a brush, sufficient to drawbacks on the beauty of the farm, being rusting during summer, even in damp situa- sant idea of careless and slovenly habits; but

weight,) the tendency to grow rancid is pre- dead loss; but besides this, grass and other

in a close cup a cake of any common shaving soap, so as to reduce it to a soft consistence. and then mixing intimately with it half its

weight of our resinous preparation, adding a few drops of some odoriferous substance .-The same compound forms an excellent water-proof paste for leather.

American Tea.

We noticed some months since the attempt obtain specimens of these laths, to preserve mentioned that he was greatly encouraged to or less, and this settling will facilitate further as trophies of this great mechanical triumph. hope for entire success. A correspondent of operatioas in several ways. The solidity ac-The force operating upon this great cy'inder, the Sun, writing from Washington, says he quired will admit of taking on teams for getting out stones, stumps and bushes, and all hogs must be watched. stated to be six hundred pounds when the en- the experiment that the naturalization of the such objects are left by the settling of the earth, mostly on the surface, from which they may be readily removed.

The Farm.

IMPROVEMENTS ON THE FARM.

The latter part of August and the fore part weaving a single piece. Several attempts to the comparative leisure which is thus af-ploying men and teams to take them away.

any other time during the year, which permits the labor of men and teams on places which at other times are inaccessible from wetness. In the Scientific Convention, at New Ha- This is particularly favorable to the drainage ven, Professor Olmstead stated that rosin of bogs, and to the excavation of peat or muck added to lard gives it a degree of fluidity not for manure. The growth of bushes and shrubs before possessed by the lard, and also prevents has also reached that crisis in which they may be more easily killed by cutting or bruising. DESTROYING BUSHES AND WEEDS.

One of the first objects to which attention sult from this property. Its use for lubricating should be directed in the improvement of the surfaces of brass or copper has already been farm, is the eradication of bushes and perniadverted to. It is equally applicable to sur- cious plants in fields, along lines of fences, hundred, and sometimes two hundred dollars

they are very detrimental to the pecuniary in-protected in some way against the winter I usually add to it a portion of black lead, terests of the farmer. They draw nourish- winds. When the ground is frozen hard they and this preparation, when applied with a ment from the ground which should go to the will stand firm, but before that they need a brush in the thinnest possible film, will be support of valuable plants, and by propagating prop. and in spring they will need the same. found a complete protection to sheet-iron themselves, are constantly increasing and to common Windsor soap, (say one-half its that is occupied by these worthless pests, is a termixed, is better in such cases than any.

crops are robbed of moisture by them during for it keeps the earth more moist through the A very soft and agreeable shaving com- the drought, and at other times are soured and succeeding summer than any kind of highland pound, or cream, may be made by steaming diminished in growth by their shade and roots. earth ; and this muck should be used on set-

WASTE LANDS.

The reclamation of waste lands, generally but especially those of a wet and swampy nature, may be prosecuted with advantage at this season. With these drainage is the first of springs should be cut off by deep channels should never be permitted. Earth or manure object. The water which appears in the form along their sources, and these channels should convey the water to such points as will best the fall, if for nothing else but to prevent the insure its discharge from the land. As the water is taken away, the soil will settle, more

wall-layer, will know how to select and place the stones so as to make the most substantial and permanent fence.

Boulders that are not wanted for walls, may be sunk by digging holes under or beside them. so deep that they may fall below the depth to in pattern, or fine in texture, by the same crops have been secured, the cultivation of the adopted this mode of disposing of boulders, throw of the shuttle, and extremely lime in-later ones has been finished, and the farmer is state that it is much less expensive than it is crease of labor beyond what is required in only waiting for their maturity. In addition to get them out by blasting with powder, em-

IMPROVEMENTS PAY.

It is an erroneous idea, though entertained by many farmers, that improvements will not pay. We believe this is, in many instances, urged merely as an excuse for carelessness and negligence. It is a safe maxim that what is worth doing, is worth doing well. We could refer to hundreds of instances where such improvements as we have spoken of have been made, with greater profit on the money so expended, than is realized in the ordinary routine of farming. The lands operated on are

frequently of little or no value; but an outlay of fifteen to twenty-five dollars, are made to pay an annual interest of from fifty to one

Care of Young Trees.

Trees that have been set this fall should be

As it is not prudent to keep straw or litter stoves and pipes. The same property renders spreading the injury. Thistles, docks, briers about the trunks through the winter, and as the compound of lard and rosin a valuable in- and thorns are often allowed to flourish un- stakes prove injurious by fretting and lacegredient in the composition of shaving soap. molested in the situations mentioned. On rating the bark, to say nothing of the cost of The quality of shaving soap is greatly improved the borders of fields they occupy the richest procuring them; we advise you to support by a larger proportion of oil than is usually of the soil, and annually extend their encroach-them through the winter by a bank of earth, produced the same spark at a little distance employed, so as completely to saturate the al- ments. They are not unfrequently seen in in case the soil is already rich enough, and if it from this point, it made no noise at all. This kali; but such soap easily becomes rancid good lands, that are devoted to various crops, is not, then by a wheelbarrow full of manure when wet with water, and suffered to remain and in pastures are quite common-many far- that is not so strawy as to invite the mice to damp-as it commonly is when in use. If a mers being apparently regardless of their pre-make nests. The manure that is made at the certain proportion of this compound is added sence and effects. The great extent of ground sink drain-suds, ashes, and such matter in-

Peat muck is excellent to be intermixed, ting the trees, but it should be dug long before it is used that it may become fine and mingle readily with the other soil.

On setting young trees a cavity is often left. about the trunk where water stands and freezes. This is injurious to all kinds of trees, and accumulation of ice around the roots.

Cattle must not be permitted to approach a young tree. They never trim well, and have no right to meddle with orchards. Hogs are better stock to take care of trees; and even

to burn, scald, and destroy .- Nat. Int.

Important Scientific Discovery. taken us to become the great cotton producing

stand, discovered a method of decomposing plant are not such as to make it interfere at tageously. Stone walls are generally the best pidly stirs the mixture. This occupies another water by mechanical means, and without the all with the production of cotton; tea lands and most economical fences in such situations five minutes." accident, in the pursuit of his business as a tributes as they well can be. blacksmith, and was first made aware of the exploding, though fortunately without doing more ready to shut than to open. much damage.-Pittsburg Gazette, Aug. 13. One man's fault is another man's lesson.

SWAMP HOLES.

The "swamp holes," which, like plague if the ground is not too wet.-Ploughman. spots, disfigure the surface of farms, forming

perly prepared by drainage, the wild growth has been attended with much success. "The Truly the age is traught with wonders; and prettiest flowers in the calendar of Horticul- top are the best grasses for such situations; by which time the oil will be absorbed, and we can now look forward with certainty to the time when coal will be put to better uses than know the history of the cotton-raising businesss of this country, are generally of opinion to its cleanness,) is the proper quantity for an Compound, highly esteemed for fattening catthat tea-growing is about to become quite as an acre. It may be scratched in with rakes, tle. "Put 166 lbs. water into a boiling caui-

REMOVING ROCKS.

suitable for the wall. A skilful and practical land Farmer.

Now is a good time to dig muck to be used next spring where trees are to be set-and now is a leisure time when almost every farmer can procure this material to be used on any of his lands next season-now is not too late

Fattening Catile.

In stall feeding, cattle should not be exposed important to us in even less time than it has or by a bush harrow. dron, and when boiling, stir into it for five minutes, 21 lbs. linseed meal. Then 63 lbs Mr. Solomon Shutter, a highly respectable country of the world. The character of soil Digging rocks (boulders) from grounds en- of crushed barley is sprinkled upon the boiling mechanic of Alleghany City, has, we under- and climate adapted to the growth of the tea cumbered by them, may now be done advan- mucilage, by one person, while another ra-

use of a galvanic battery, at a merely nominal and cotton lands-those which produce these They have the important recommendation, It is then left to cool; if there is much expense. He made this discovery by mere plants best-being as different in all their at that when once made in a proper manner, they fire it should be put out. It should be used are perpetual. A trench, two feet deep and the next day, or by being excluded from the somewhat wider than the base of the wall, air, may be kept longer. The quantity gifact, by the hydrogen evolved from the water A wise man is like a spring lock, always should be dug for the foundation, which should ven to each bullock per day is eight pounds, be filled with the smaller stones that are not with hay or straw in addition .- New Eng-