Meeting Houses.

The following excellent suggestions are from the " Home Missionary," and were carefully prepared.

On the building of Meeting-houses there may be a great improvement both in convenience, taste and expense. The sad experience of many worthy men is sufficient proof against building too large and too costly. But the time has come when it is believed "a house for the Lord" can be erected without useless appendages. We know of two houses of worship in the same town—one cost \$13,000, and the other \$6,000. Of the two the latter is universally preferred for simplicity, beauty and convenience.

"Facility of speaking and hearing is promoted by the dimensions of the room. It should be such that the width equals eighttenths, and the height three and a half tenths of the length, i. e. if the length be forty feet, the width should be thirty-two, and the height fourteen feet. This is the best proportion for elevation of the back seats.

chosen with reference to several particulars, The appearance of the edifice in the landscape, six motions of the piston to the second, and is better for being on elevated ground, and at each of these motions a valve is opened or yet if placed on a very high or steep hill, it closed, for the taking or exhausting steam may be difficult of access. In the country from the cylinder. This must be a complete care should be taken that the situation be not and perfect operation, each time, to produce exposed to the force of storms. Sheds for the the speed. But there are two cylinders. shelter of carriages and horses are almost in- working at opposite sides of the engine, and meeting on the Subbath, because its head or axle, as may be, and they do not move at feels unwilling to expose his horse to the pelt- the same instant, or, rather, they alternate, ing of the rain and sleet, when he would readi- and thus, each performing the same office ly go if he knew that his team would be shel. they divide a second into twelve equal parts

the endurance of them, is to many persons a ear could not distinguish the exhausts, though weather-washed clap-boards-rumous steps- ving at this rate?" smoky stoves-or none at all-pews with high strait backs and narrow seats; the pulpit a logenious floisting Apparatus. little octagonal box, perched just beneath the they first heard her teachings."

the views we cherish respecting the " house the rate of one thousand barrels an hour. of the Lord." Houses of worship may be The bed commonly makes three revolutions as the team advanced leave them in winnows, erected and fitted up at too much expense, per minute, carrying four barrels at each reand men may manifest more interest in the volution, 720 barrels per hour. The apparasplendor of the sanctuary than for the worship tus is worked by steam in connection with of God. But does not the character of the the grain elevators in the same building. services, and the dignity of the Being we there

-so cheerless and forsaken as to be reminded high polish. It may be mixed with various They will vegetate much more readily, and father by a place of worship in one of the New tific American. England towns. It is desirable in entering the courts of the Lord's house, to have the mind so elevated, both by the character of the services, and the suitable appearance of the sanctuary, as to be able to say with an ancient worshipper, " How amiable are thy tabernacles. O Lord of hosts!"

Scientific.

Forty Miles an Hour.

A correspondent of the Albany Journal, in an article under the title of "Railroad Accidents and Legislation Thereon," speaking of speed at forty miles an hour, says :--

"Men who are used to the railroad, and to easy speaking and hearing. The floor of the the working of the rolling stock, know what pulpit should be on a level with the heads of such a rate of speed is and how wonderful is the auditory while sitting down, i. e. about the operation. Let us examine it. An enfour feet above the floor. In small rooms the gine, tender and train of four passenger cars elevation may be reduced to two feet, and in and one baggage car, when properly loaded very large ones increased not over five feet, will not be much less than eighty tons weight. The breast work of the gallery should not be This body at the rate of forty miles an hour, broad, else it will create echoes. The under moves about sixty feet in a second. That is, side of the gallery should be from seven to between two beats of a clock, it flies across a nine feet above the main floor, according to common street. The driving wheels, if six the height of the room. A low front will thus feet in diameter, revolve three times in a seallow the gallery to have a sufficient pitch or cond. The common wheels of the cars revolve about eight times in a second. The re-"The site of a meeting house should be volutions of the driving wheels are produced by the motion of the piston. Thus there are dispensable. Many a family is kept from at different points on the crank of the wheel tered, while he is enjoying a comfortable seat or periods, in each of which the perfect and complete operation of taking or exhausting "Too little attention is given to make our steam is performed, and at the end of each houses of worship comfortable and attractive, motion the piston actually stops and turns How often they are constructed and finished the other way. Now, the eye could not with so little regard to comfort and taste, that count or comprehend these motions. The present misery, and the recollection of them each is as perfect and distinct as when in after life raises a prejudice against religion the engine is drawing a heavy load four itself. How many are those whose associal or five miles an hour, when it seems to labor tions with the house of God are of the most and to cough as if struggling with its load. gloomy and repulsive character! They re- This is a speed of forty miles an hour analyzed. member it as an uncouth and tasteless build. Now must there not be very greatly increase ing, on some bleak and naked hill; lonely hability to accident at such a rate of speed but for the surrounding dead; with broken Who can see the strains upon parts of machiwindows that rattled with the wind, and nery that may result in a fracture when mo-

The Detroit Tribune describes an ingenious ceiling, and the whole fitted up so comfort- contrivance in use at the Central Railroad Deless, so unlike what a man provides for him- pot in that city, for hoisting flour. The apself, for enjoyment, that a chill passes over paratus resembles a treading mill in an upthem at the remembrance, and the claims of right position, the top of which projects about piety are repressed by a thousand prejudices, one foot above the floor of the upper story, at the very door of the heart. All this may and the bottom the same distance below the easily be prevented, if a few days' labor in ground floor. From what would be called each year were bestowed on the grounds the revolving floor or bed (were it a treading around the house. How much more agreea- mill) projects four pairs of arms equi-distant ble would its aspect become. A plain fence from each other, or about ten feet apart. The might be set up-the enclosed area laid out barrel is rolled against this revolving bed, and in plots and walks, and seeded with grass, and as a pair of arms come up from beneath the planted with a few of our own beautiful forest floor the barrel is taken and carried into the trees. Children might be taught to rear their story above. Immediately it arrives at the flowers within the ballowed enclosure, and top of the bed its momentum carries it on an their thoughts of religion, in after life, be con- inclined plane, and it rolls away to the side nected with the clear, verdant, and shady of the room. Thus it unloads itself, and only church yard, within whose pleasant precincts seeds one person to feed it below. It is said to save the labor of five men.-It has been These remarks are perfectly consistent with operated for a few minutes so as to hoist at

profess to worship, require a reasonable at- VALUABLE RECEIPT.—Take plaster of Partention to the appearance of the building? is and soak it in a saturated solution of alum, Shall private dwellings be fitted up, and the then bake the two in an oven, the same as land around them be laid out to the fancy of gypsum is baked, to make it plaster of Paris, their occupants, and the place sacredly ap-after which they are ground to powder. It is pointed to the Lord and honored by His spethen used as wanted, being mixed up with ally for early use, should be taken from the soap suds. Good keeping and cleanliness will cial presence be neglected? We have seen water, like plaster, and applied. It sets into cettar and spread upon some floor where the produce a soft oily skin, and that is the best

at once of the plaintive sighs of the Jews over coloring minerals to produce a cement, of any can be brought to maturity earlier by so dotheir " pleasant places laid waste." " What a color capable of imitating marble. This is a ing. A few could be started in the hot-bed looking house ! I never could go to meeting very valuable receipt, and is worth twenty or by placing them in a warm situation and there!" is the spontaneous exclamation of a dollars to many of our subscribers, any of covering them with horse manure. little girl five years old, as she passed with her whom can prepare it for themselves. - Scien-

The Farm.

Value of Book Farming.

The few thoughts expressed last week were suggested to my mind by an incident, which, farming," I will relate.

My neighbor D. and I were getting in a crop of Ruta Bagas. At the commencement of the year, when I renewed my subscription I gave him an invitation to subscribe also But no. He was not going to fool away his money so. He could get along well enough of poor butter. It it were not for the tons of farming from his own head without book farming it. In the course of the season I noticed an article in the Farmer, recommending The remedy is very simple, work out all the the soaking of turnip seed for 24 hours in fi-h oil to prevent injury to the young plants, by flies or bugs. I mentioned it to my neighbor, at the same time intimating I should give it a trial. A little rivalry had existed between us, as our feels joined, and the more so, as he was fond of cracking his jokes at the expense of book farming. So this determination of mine only subjected me to a greater degree of his railery. He'd show me turnips as were turnips, and beat me out of sight and hearing, Guessed I'd got satisfied with book farming.

However, I kept quietly on, determined to oil-soak my seed, knowing I could re-seed with the flat turning if the ruta bagas should fail. In the character of the soil, our ground was very nearly or quite alike. His had been cropped once, while mine was newly broke. We both expended considerable labor and got the ground in high tilth, I had one and a quarter acres, which, after I had thoroughly harrowed, I burned every grub, root, stick and turf of grass, and removed the stones, raking the ground with a fine rake, after which, polverized it with a heavy coal rake, to the depth of four inches. I soaked my seed in the oil for 48 hours, rolled them in ashes and sowed broad cast, covering lightly; after which I bestowed no more care upon them till they were harvested, as the ground was free from weeds. Neighbor D. sowed his in like manner, but without soaking, and one day earlier. They came up so evenly and looked so finely, he could but indulge in his own propensity again. "See, neighbor Tower, how nice they look-don't you think I'll show you the turnips over there." " Better wait and see what the bugs say to it," I suggested.

insect whatever. But in the adjoining field myriads, making riotous work, sweeping the tender things down so clean that hardly one twelve hundred bushels.

cows to feed down the tops, he hitched his poor economy to stint them. [The Plew. team to a three-cornered harrow, adding weight enough to make the timbers hug the ground, when he started it through the field. The wings would press the turnips out, and between which he drove with his wagon and I understood him to say he gave it.

Brief Hints.

houses for religious worship so ragged and old hard composition, capable of taking a very sun may full upon them part of the time. preventive. N. E. Farmer.

If you want good radishes, spade in a good quantity of manure, so as to make the ground ight and rich. They will then grow rapidly, and of course be tender and nice. You can have them in this way, without the trouble of mixing half sand with the soil, as some old cultivators contend.

In setting young trees, after the holes are as it strongly exemplifies the value of "book dag, make a little "hill" in the whole upon which to stand the tree. Press and work it down so as to fill up perfectly among the reots on the under side, that there may be no vacuums or hollows.

Recollect that the high price of butter is owing, in a great measure, to the vast amount rancid, worthless butter, we should not hear of its being sold at 37 12 cents per pound. buttermilk!

Farmers are mostly agreed in the opinion that small potatoes are just as good for seed as the larger ones. But as the "eves" are the germ of the plant, and as a small potato may have nearly the same number of these that the larger have, care must be taken not to seed too highly. High seeding will certainly produce a small crop of small potatoes.

The Pig.

Few animals yield less waste matter, after being dressed for market, than the big : every part is useful, as a sailor would say, from stem to stern; the head for baking, the tail for roasting. Every part is made palatable and useful-feet, minister's face and shanks, are all admired, when properly "soused" and cooked. The rich and poor alike admire a meal from the pluck and portions of the loin; the intestines make excellent envelopes for sausage meat; the blood makes a savory pudding, and the bristles a brush for purposes too numerous to mention." The pig is a short lived but useful animal; and " works his own passage" through life by mixing muck and making manure for his owner. At death he invariably goes squeeling out of his pen into "lard, and pork, and bacon," and is soon off on a voyage at sea in pursuit of a whale.

We never liked the long-legged, slab-sided. apron-eared grunters, except for the race course, for the reason that they eat too much food to keep them in deceut working order. They might do for a "show" occasionally as fine specimens of a living skeleton, but for porkers give us the short-legged, small-head-Mine came up also, in good order, the leaves ed, quiet and contented pig, round as an apshowing a darker color, which they continued ple and hearty as a buck, with sufficient good to sustain as they grew larger. Their growth sense to know when he has eat enough and was rapid, as they were not troubled by any where to go and lay down to be rubbed or curried; and, withal, as Uncle Ziba used to of my neighbor, the little pests soon came in say, a "hog, with a remarkably good disposition." - Vermont Watchman.

was left. And what were, were so stinted AMOUNT OF FOOD REQUIRED BY AND they could not grow to any thing worth har MALS .- Of hay, an ox requires two per cent. vesting, and in fact my neighbor did not gather a day of his live weight. That is, if the ox a single bushel, -whilst I, after freely feeding weighs 2000 lbs., he requires 40 lbs, of hay. six head of cattle all through the fall from the If he is working, he will take two and a half field, harvested nine hundred bushels, which, per cent. A milch cow should have three with those fed to the stock and not measured, per cent, of her weight, as she is proportionamust have made the yield nearly if not fully bly lighter than the ox, and part of the substance of her food goes to form milk. A fat-By this time I had the laugh all on my side, ting ox may be fed five per cent, at first, four and my neighbor became a strong convert to and a haf per cent, when half fat, and afterbook farming. Before this he could not be wards four per cent. This is independent of induced to take any publication. But he soon other food. A grown sheep will take three became a regular subscriber for a half dozen. and a third per cent, of its weight in hay, to Mr. Tower's method of harvesting his tur- keep in good store condition. Animals in a nips was new to me. After turning in his growing state require most food, and it is very

To DESTROY LICE IN CATTLE. - Sand must be sifted upon the back, neck and head of the animal to be beneficial. Ashes sifted upon them in small quantities is also good. flung them in. This method not only saved But the best way is to watch the animals and him a good deal of time, without injury or ascertain when the vermin first make their bruising the turnips, but left the ground in appearance; the application of a little lard. hue order to receive a seeding of wheat, which oil or grease of any kind well rubbed in. "where they most do congregate," will stop their nibbling most effectually. A friend at our elbow who keeps a large stock of cattle, says an effectual remedy is a wash made of Potatoes designed for planting, and especi- a strong decoction of tobacco, or very strong