Rural Economy.

IF YOU SHOULD E'ER GET MARRIED. If you should e'er get married, John, [']] tell you what to do-Goget a little tenement, Just big enough for two ! And one spare room for company. (and one spare bed within itn'd begin love's life aright, You'd better thus begin it.

In terniture be moderate, John, And let the stuffed chairs wait; Oper looking-glass will do for both Yourself and loving mate; And Brussels too, and other things Which make a fine appearance. It you can better afford it, they Will better look a year hence.

Some think they must have pictures, John, Superb and costly, too ; Your wife will be a picture, John, Let that suffice for you. Remember what the wise man said, A tent and love within it, Is better than a splendid house With bickerings every minute.

And one word as to cooking, John-Your wife can do that best; For love, to make the bigenit rise, Is better far than yeast." No matter if each day you don't Bring turkey to the table, 'Twill better relish by and by, When you are better able

For all you buy pay money, John, Money earned every day; If you would have your life run smooth, There is no better way. A note to pay is an ugly thing (If thing you choose to call it), When it hangs o'er a man who has No money in his wallet.

And now when you are married, John, Don't try to ape the rich; It took them many a toilsome year It foor them many a tonsome year To gain their envied niche; And if you'digain the summit, John, Look well to your beginning, And then will all you win repay The care and toil of winning.

WINTERING BEES.

Many colonies of bees perish every winter, which is a most serious drawback to the business. Now, if the theory of the matter was better understood, this would not be the case, for it is entirely unnecessary. Bees need but two things in order to winter safely wherever they may be placed, and these are, plenty of air for ventilation without a draft through the hive, and abundance of food where they can get at it. Bear these requisites in mind and your ingenuity to provide them for weir bees.

Bees never perish from cold if they have minient numbers. Nature provides for strety in this way. Go to one of your er ng colonies the coldest day in winter and thrust your hand into the middle of the aster and it will rise to summer heat. A any weak in numbers, however rich in stres, would perish for want of bees to weure this degree of heat. In cold, steady winters, like those of Maine and Canada, wes winter better than in our changeable winters. They cluster together and remain in a semi-torpid state and really coname less honey than they do here, where etten a warm day rouses them to new life, when they fly out, return to eat, or perish tion the chill air.

Bees naturally store their honey in the in of the hive and cluster in a ball below The heat of the colony constantly as-

ding, keeps the stores warm at all times.

rection by MM. Blanchard and Chateau, number to one of the twenty-four negawho, by mixing acid, phosphate of iron and tives. These negatives, having been meanmagnesia with night soil, have succeeded while reproduced of a greatly magnified in fixing its volatile principles. Acid size, No. 1, let us say, is set up before the phosphate of magnesia and iron is cheap, section answering to it, and the pantograph and, moreover, an excellent disinfecting substance, and it appears from the experi-is a rod suspended in a frame, with one end ments which the city of Paris has made on pointed and the other containing either a a large scale, that both as an agricultural and sanitary agent this phosphate will ren- used for drawing on paper or working on der great services to society.-Paris Galignani.

DRY EARTH A DEODORIZER.

Dry earth, of a loamy sort, is the most convenient and attainable deodorizer which the farmer can use in many places about his premises. The hen-house should be floored with this material, and fif it is for sale in the statuaries' shops, are made stirred up every day with a hoe, no disa- by the pantograph, and in Paris, all the greeable smell will emanate from hen ma-nure. In due time the earth will be formed into a very rich fertilizer, especially valuable for the garden. Loam may also be used with good results at the outlet of the drain from the house sink—down which formless lump of clay on the modeling so much of the soapsuds flows; and also. that, if you have one, from the barn-yard, which often carries away a stream of liquid graph is swung being moved nearer to one manure. In these positions the loam ree end or the other. The copy thus made tains all the manurial ingredients cast upon is, of course, mathematically exact, and the place. Dry loam is also excellent to mix with night soil in the vault. A mistake traces the profiles of a picture of a statue is frequently made in the construction of the latter; the vault is made too deep, and without any outside opening. If possible it should be provided with a falling slide-door. So far, all in the process is mechanical, above, it is deodorized and converted into valuable manure, and it can be removed at any time, without offense, from the slidedoor at the botom of the vault.

HOUSE BUILDING.

lowing remarks :----He stated that he now dwells in a house largest stick of upright timber in the building being only two by four inches' square. He had adopted the practice, now in vogue in many other localities, of "back lathing and plastering," which is not only a most effectual way of rendering a house warm in winter and cool in hot weather, but the back lathing renders the house much stiffer than all the braces that could be put into the frame. The back lathing is done by nailing strips of boards on the is more mechanical than artistic; as will be sides of the studs, sawing dath in short most easily seen, perhaps by comparing the pieces, just long enough to extend from one stud to another, and nailing them to feature in the statue of Desderi. the strips that are fastened to the studs. A heavy coat of mortar is then laid on the status, so tull of life and character, will lath, as any wall is plastered. Clay will exclaim, "This will put an end to sculp-serve a good purpose for the back plastertered. By this means there will be two there is nothing to fear. It may, indeed, air chambers, instead of only one, between throw many had sculptors out of work, but the outside siding and the papered or this will be no matter of regret; and, whitewashed wall on the inside of the beside, many of them will find employment building.

obtained from scientific investigation. An nally by lines drawn on its surface into important step has been taken in this dis twenty four sections, each corresponding by pencil or a scraper, according as it is to be clay. It is not a new invention, but has been long in use; the only novelty in this sunk to the bottom. It is a received opincase is in its application.

Its-use is, to make a copy of a drawing or a statue that shall exactly reproduce the original model in any required size, although it is generally used for reductions. The beautiful small copies of the Venus of ing-place after long tossing about in the most famous antiques have been reproduced by it with the same fidelity. The process is simple. One end of the rod is applied to the surface of the original statue, while stool, to the same profile, the size being regulated by the point at which the panto-

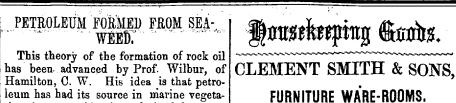
and so constructed that this opening is easily accessible from the outside. Then by put-ting dry earth upon the night soil from above, it is decirized and the solution of the process is soly spartially completed when the nantograph's mark So far, all in the process is mechanical when the pantograph's work is ended. It is necessary that the clay be now submitted to the hands of an artist, a sculptor, who shall carefully go over it with his tools, and applychies tagte Fands skill to perfecting the ATELLER PHOTOGRAPHIC finish of its details, When this has been well done, the result is a statue whose life and grace are in proportion to the natural At a late meeting of the New York, perception and technical ability of the Farmer's Club, Mr. Solon Robinson, of the artist. The different examples of Mr. Tribune, is reported to have made the fol. Willeme's manufacture will make this very plain. Compare this bust in baked clay, for instance, with this small statue of Des built on the balloon style of trames, the deri, the well known photographer. Both are mathematically exact copies of their subjects, but the one has been worked upon, after the mechanical process was finished by the hand of some accomplished artist, who has so touched it with this own spirit and skill that all true traces of its mechani cal origin have entirely disappeared. The PRESBYTERIAN HOUSE other, on the contrary, although a better bust, and probably a better portait than could be made by any professed sculptors, treatment of the hair with that of the same Many persons, on seeing these little ing. After the mortar has become hard, graphs were made, "This will be the death the inside of the study is lathed and plasand a needed training in working upon the artist, for more patient study and more careful work, so that a new school of painting—a nineteenth-century school—is-being Photosculpture, as may be easily infer- built up on broad and sure foundations, the popular eye to natural ease of attitude, and anatomical accuracy, and truth of drapery, and will' give us a new standard by genius, the creative mind, when such an NO. one shall be born in America, will find work enough to do, and an audience which, if not prepared to comprehend his thought. will, at least, have been educated, by the perfection of these very mechanical arts, to appreciate his technical skill.-N. Y. Tribune. BRITISH RAILROAD SYSTEM. Mr. Moses Beach, of the New York Sun, is writing letters from London. Of the British railroad system, he says :---"I confess that my Yankee pride gives way in the comparison. We have stood still, comparatively, these twenty years in railroad affairs, and hence from being first, are now in the second rank. The Englishman sticks to his compartment cars, but adds to the number of compartments in each car. until, on the newest roads, the length of car fully equals the American. Then his system of rigid attachment of cars produces steadiness of motion much to be preferred over our jerking rattle-traps. But, perhaps, the most striking change is in the mode of taking water. What think you of running train of a dozen cars two hundred miles or more in five hours, and without a stop of any kind? The thing is done here. A sufficiency of coal for fuel is easily provided, of course, and only necessitating the carriage of a few pounds extra weight. The water is taken up once by a simple contrivance, cute enough to have originated in a Yankee brain, if it did not. A trough, As the train passes over this trough, one end of a pipe reaching forward from the a non-mechanical mind, but those who have as you have done, will understand this out a stop, if that were desirable." HYPOCBISY is the sin which is always

PETROLEUM FORMED FROM SEA-WEED. This theory of the formation of rock oil leum has had its source in marine vegetation, just as coal has been derived from terrestrial plants. Few persons have an ade quate idea of the immense growth of seaweed in the depths of the ocean. After their term of growth was completed they became detached, floated off, and finally ion among geologists that this portion of the North American Continent had once been the bed of a salt water ocean. The ocean floor, as must be remembered, was not level, but had throughout its whole extent deep hollows and ridges. It was, of course, in these deep hollows that these seaweed deposits would find their last rest-

seaweed became covered to various depths. He considered it no very unreasonable or unscientific supposition that these masses tains all the manuful ingrequence cast upon it, turns dark in color, and becomes ex-tremely rich. When thoroughly saturated it should be removed and fresh put in its follows; for, of course, it makes no differ-it should be removed and fresh put in its of oily, carbonaceous matter, should, under Photographic. Ω. g WENDEROTH, TAYLOR & BROWN'S FINE ART GALLERY. 912 and 914 CHESTNUT STREET, ž PHILADELPHIA. 1019-1y memory brew a to histo AGENCY, 353 BROADWAY, NEW YORK A. J. DE MORAT. S. E. corner Eighth and Arch Streets. PHILADELPHIA. The public are invited to exame specimens of Life Size in Oil, Water Colors, Ivorytype, India Ink, and Porcelian Pictures of all sizes. CARD PICTURES, \$2 50 PER DOZEN. Entrance on Eighth Street. M. P. SIMONS would call attention to his LIFE SIZE PHOTOGRAPHS. Those living at a distance can have Diguerreotypes, Photographs, &c., copied any size, and colored any style, bymailing the picture and description of complexiton, hair, &c. All pic-tures are warranted to give full satisfaction. M. P. SIMONS, 1050-1y 1320 Chestnut Street, Philadelphia, Pa. SMYTH & ADAIR, MANUFACTURERS OF ILVER-PLATED WARE GOLD AND SILVER PLATERS, No. 1334 Chestnut Street, OPPOSITE U. S. MINT

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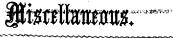
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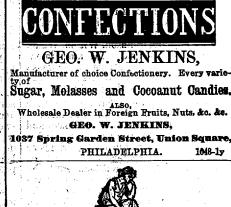
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a the shallow forms of hive, much of the onev is one side or both sides of the clusand in cold weather is always frosty, bees are chilled when they go to it. whing is colder than sealed honey when warmed by the heat of the bees. Bethe coldest weather comes every shalwhive should be put in a cellar or ark room, or if these are not handy, the ves should be buried. I know of the ss of hundreds of colonies, the two past inters, in the Langstroth hive-the bees tezing or starying with plenty of honey the side of them. When this hive is ut in a cellar or house, too much ventilabuild be guarded against. Close the en. ance below, so as to admit the passage of by one bee at a time, and instead of takag the honey-board off entirely, raise it draft.

Bees in box hives, or the various hives " of doors if they have honey enough. Th corn-corbs and straw and replaced. emoisture is then absorbed and the bad passes off. The cap should not fit too sely. The entrance should be secured sing all bees, as experiments have fully should always be perfectly dark and ould be disturbed as little as possible.airie Farmer.

MANURE: NO.

One of the most important problems in cientific agriculture is undoubtedly the uestion as to how those chemical princilies that have been subtracted from the il by vegetation can be restored to it in he same measure so as not to weaken the ext crop. The putrefaction of vegetable "that, in point of fact, plants and trees aving deciduous leaves, restore in auumn a large portion of what their growth and development had abstracted during he spring. This kind of manure, how rer, is deficient in nitrogen, one of the ^{40st} valuable ingredients of animal ma-'araguet's calculation, the supply from fat source does not exceed seven millions one of it left, and other means will have nious. The mass of clay which is to be ⁰ be resorted to, according to the results | converted into a statue is divided longitudi- punished the hardest.

Scientific.

PHOTOSCULPTURE.

red, is the art of bringing photography to that will resemble no predecessor; so will the aid of sculpture, and is the invention this new device of photosculpture accustom of a Mr. Willeme, of Paris, who has practiced it successfully in that capital since 1863, and who has recently sold the right which to judge the work of future sculp, for England to a company in London, for a tors: And the true sculptor, the man of fabulous sum. Nothing but their necessarily high price will prevent these little statues from becoming as common as the ordinary visiting card photograph. It seems to have been prophesied, as one may say, in the stereoscope; but, although that and put a sixpenny nail under cach corner produced roundness to the eye, it required it. No bee can pass through this open-a quick wit; and perhaps the suggestion of a happy accident, to suggest the method and sufficient ventilation is secured without of accomplishing roundness to the touch, and the quick wit was found in the brain

of Mr. Willeme. Mounting to the very top a de of that shape, can be safely wintered | of the building, we find a large room having twenty-four sides, and lighted by a roof the entrance should be nearly closed, the composed entirely of glass, like the roof of inter-boxes taken off, and the cap filled a green-house. In the exact middle of the room is a small, circular platform, which can be raised or lowered at pleasure, to bring the centre of the subject, whether sitting or standing; an adult or child, unst mice. Much honey is saved by opposite the centre of the camera. In the middle of each of the twenty-four sides of Dred. They should be put in the first the chamber is a camera, the same as that y cold days, and box hives should ordinarily used by photographers, and the "ays be inverted. The place where they covers of the whole twenty-four are so arranged with cords and pulleys, that they much above the freezing point. They can be opened and shut with clock-work simultaneousness. If the reader will now place himself on the platform and assume any attitude he may choose, either standing or sitting, at a given signal the twenty four camera covers will fly open, twenty-four separate pictures of his person showing it on all sides, as to one walking all round him will be taken on as many negative plates, prepared in the usual way; at another signal the twenty-four covers will half a mile long, one foot wide, and four close as simultaneously as they opened, and so inches deep, made of cast iron, is placed inches he is concerned, the matter is ended. between the tails and filled with water atter certainly yields an excellent manure, The photographers are now in possession, of twenty-four negatives, which, when looked at together, give as we have said; a complete picture of his entire person, a complete picture of his entire person, a complete series, from the full face round to the full face again, with every fold in the the full face again, with every fold in the dress from head to foot, and it is easy to a non-mechanical mind, but those who have see that if a point of connection can be found by which all these twenty four piethe discovery of guano. on the three that the discovery of guano. on the three that as a boon; but ss. according. to M. graph. It is this point of connection be-tween the picture and the clay which in f tons, it becomes evident that in the reality constitutes Mr. Willeme's invenourse of ten or twelve years there will be tion, and it is equally simple and inge-

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