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## BEE CULTURE.

We subjoin an interesting extract from a paper recently read by James Hedden, of Dowagic, Michigan, before the Farmers' Institute of Cassopolis, in that state. Mr. Hedden's views on the prospects of apiculture as a business should command attention. He also gives some facts on "over stocking" which we think is a subject which has not received much attention from beekeepers; or at least from bee-keeping farmers :

Regarding apiculture as a specialty, what are the prospects for him who would embark? I do not see how they can be bad. Let us take a look at the two influencing factors outside of the ability of the operator, namely : supply and demand. The price of all produce fluctuates or ebbs and flows, like the tide of the ocean, sometimes above and sometimes below the cost of production. The product honey cannot escape this law. My own opinion is that just in the near future we will experience a reaction from a few years' excellent prices, re-cently passed through, but the immutable law of action and reaction so well known to you all, will keep it hovering about the cost-of-production point, the same as it does all other products.

Now, regarding sapply, I doubt if one-twentieth part (possibly it would be correct to say one-hundredth part) of the honey secreted by the flora of the United States is ever gathered by bees. I feel very confident that the time is far distant, if ever to come, when it can all be gathered at a profit. There are at present many unocenpied areas waiting or the future apilirist. Whether he can work any of them at a living profit or not depends mainly upon his personal ability. It may not be out of place to define what is meant in apiarian vocapulary by an area of field. A single bee has been known to visit nearly two thous .nd blossoms in obtaining one load or a half drop of honey, though sometimes they get it from a few dozen, or even less. They have been found nine miles from home. My own observations taken with great care in various directions and at varied seasons of the year. have proven to me that my bees go five miles for honey during times of scarcity, while in times of plenty they seem to look upon three or four miles travel as being merely good exercise. In fact our surplus is supplied the most rapidly when our bees reach the first blossoms at two miles, extending their flight to three and one-half, a few scatter ing out to four. There is such a thing as "over-stock-

ing" known among bee-kcepers; that is, wing too many colonies in one area, and when such a condition of affairs takes place, the apiarist establishes "out" apiaries, and these are necessarialy managed at a considerable greater expense and quite a smaller income. You will see that an area of "bee range" consists of a circular field of not less than six miles in diameter, and how important it is that each apievy should alone enjoy this field. In fact, it is impossible for two aparies to long succeed, both occupying one area. Sooner or later one must succumb to the "survival of the fittest."

About one hundred pounds of honey has been estimated as the amount required by a colony annually, the most of which is, of course, consumed during the summer season, in brood rearing and as daily food. It will require fifty pounds surplus for each colony at 10c per pound for extracted honey to pay expenses of an apiary of one hundred been sick for nearly two years. She died colonies. Thus it will be seen that one very suddenly, and the doctor said it area must scerete 15,000 ponnels before was heart disease. It makes us all feel the business begins to pay. Bee-keep-ors have decided that from sixty to one hundred colonies is all one area will cousin will give me lessons when she lessening the amount of surplus obtained. Many have been surprised at modern reports of the amount of honey taken from a few bees, but when, by a light in the matter, they were more surprised at the amount of labor and capital required to produce this modern income. Ideas of ancient out goes, with modare incomes, regarding bee culture, have cost many a one many a dollar and failure. In conclusion I will say that the same inexocable laws pervades all lasses of production, viz : He who produces at maximum cost will fail. who produces at minimum cost will succeed.

## The Home Circle.

MES. HARRIOT T. CLARKE, BOITOR.

DAWN.

On the upturned face of the quivering sea Shimmering the dawn ; White bars of light stole up in the sky. And the night was gone.

Was gone-with the tear af a followed fawn And with hurrying fest, To find in shades of the forest plades

A safe retreat. The legions of stars that had watched wearily, Crept out of sight : Uprose the helm of advancing day,

And fast fled the Night.

A fresh wind blew from the edge of the sea, From the gates of the East, That plashed the tide on the feet of the land And the light increased.

And the glittoring tips of myriad spears Shot up from the sea.

With guidons, pennants and lances of light-A spiendor to see.

A hundred flags were upheld in the sky, And unfolded there-Banners of light that glimmered and gleamed In the morning sir. 1.1

Then from the glowing East uprose The kingly San, And the sea grew gold as a stool for his test

To rest upon. -The Manhattan.

CHICKENS AGAIN.

A lady writes to the Circle wishing to know what was the matter with her chickens; they would apparently choke this water is nearly absorbed, if for inand then the head would swell after a side work, throw in the boiling lime a while and perhaps the bird would go piece of glue about 11 inches square, blind and die. Before we had time to and continue to add water so as to keep place the question before authority we the water boiling, but do not let it get receive another letter explaining the matter. It seems that wild oats will get drowned with water as to stop boiling lodged sometimes in the throat and will it. When the lime has been broken to work into the tissues of the throat and pieces by boiling, do not stir it, but perhead, causing great pain and swelling of orate it with a stick so that water will go the head, producing blindness. Our to the bottom of it. When it has ceased lady friend says that now when she sees boiling, which will be signalled by its rea chick in trouble she catches it, exam- fising to smoke, throw in a handiul of ines the throat and will always find the salt, and pour in the remainder of the oat, and on removing it the fowl will be water slowly, and be sure to stir it in at all right again. The writer has often the same time. If for wood-work and noticed this said wild oat; a certain va- the first coat (outside) it should have a riety will assume an appearance of ani- little more glue and be put on thick, but mal life and actually, when held in the the second coat will readily bear another palm of the open hand, it will turn over gallon of water. Brick or stone work and move about a screw like movement ; requires the first application to be made it has formidable spines, being much thinner, or with six gallons of water, so harder and rougher than those on the that it will take hold of pourous subhusk of the common oat. Altogether stances. The subsequent application and be able to pass creditably as a letter this wild out, which we may thank our should be of a thicker substance. Apply California cousins for, is a great plague, as it is quite impossible to get rid of it when it once gets into the field.

It is possible that other ladies in Eastern Oregon may have had similar trouble, and we thank our friend for taking Journal of Commerce. the trouble of giving the public the benefit of her experience. Much might be

## SUCCOTASH

Is the old Indian name for a most deliwill score). Senson with a lump of but- in the cloth until is sent to the table. ter, pepper and salt, and we have a dish fit for a king.

and the crust as light as a puff, it is a dish that the most fastidious can hardly fail to enjoy. AUNT SUE.

Cooking Tomatoes.

Editor Home Circle:

In cooking tomatoes if a little onion s first sliced fine and stewed a little before putting in the tomatoes it will be found a nice way of coeving them for a change-of course all persons do not relish onions. Then another change is to cut a few cars of sweet corn from the cob, scraping the cob to get the milk : this will cook about as quick as the tomatoes will.

CHOICE RECIPES.

Poached Eggs.-Eggs are poached by dropping them raw from the broken shells into a pot of hot water ; lift them from the water with a perforated ladie, and do not let them remain long enough in the water for the whites to be made opaque. The beauty of the posched egg is the visibility of the yellow yolk as seen through the semi-transparent white envelope. Served on a slice of hot, buttered toast, and lightly sprinkled with pepper, a poached egg is most appetizing. In the spring of the year, as a top-dressing to boiled greens of any kind, eggs prepared in this way are almost universally liked.

A Reliable Whitewash .- Take two quarts of unslacked lime, five gallons of warm or hot water, some glue and fine salt. Put the lime in a vessel and add one gallon of warm water, and when by and lumpy, neither let it get so the above with an ordinary whitewash brush, the hairs of which have been thoroughly wet (in order to swell them and prevent drying) before they are introduced in the lime-wash .- New York

How to Make Graham Bread .-- Graham bread that can be started after learned by such interchanges of thought. breakfast and baked before dinner is made of one pint and a half of sour milk, two scant teaspoonfuls of soda dissolved in a little water, half a cup of New Or-

cious dish made of corn and beans. The leans molasses, a teaspoorful of salt and first white settlers in America found the as much sifted graham flour as can be Indians in mass using corn and raising stirred in with a spoon. Grease a large it, and the Indian name for this partic- bread tin very evenly, as the molasses in ntar dish has been handed down. First the bread renders it liable to stick, put put in a pint or so of young shelled into the oven and bake two hours. Have beans, as they need longer cooking, add the oven hot when the bread is put in some slices of pickled pork or a little and toward the last half of the last hour bacon, cut the corn lightly from the cob, let it cool gradually. Or this bread may scraping the cob down to save all the be steamed one hour and three-quarters, milk. The corn may be added as soon and be dried off in the oven twenty as the locans get soit, but I prefer to minutes. When it is taken from the save the milk of it until later, as it is oven wrap a towel around the loaf, the more ap; to burn on the bottom; in- tin and all, and in ten minutes remove deed, it must be watched very elose or it from the tin, and keep the loaf wrapped

NOBILITY True worth is the being, not seeming, -In doing each day that goes by Some little good-not in the dreaming

For The Children.

Of the great things to do by and by. For whatever men say in blindness, And spite of the fancies of youth, There's nothing so kingly as kindness, And nothing so royal as truth.

We get back our mete as we measure-We cannot do wrong and feel right, . Nor can we give pain and gain pleasure, For justice avenges each slight. The air for the wing of the sparrow, The bush for the robbin and wren, But always the path that is narrow

And straight, for the children of men.

'Tis not in the pages of story The heart of its ills to beguile, Th u h ne who makes courtship to glo y Gives all that he hath for her smile, For when from her heights he has won her, Alas! it is only to prove,

That nothing's so sacred as honor, And nothing so loyal as love !

We cannot make bargains for blusses, Nor eatch them like fishes in nets; And sometimes the thing our life misses, Help more than the things which it gets. For good lieth not in pursuing, Nor gaining of great nor of small, But just in the doing, and doing As we would be done by, is all.

-Alice Cary.

## OUR LETTER BOX

Day comes around every seventh day, and we perhaps enjoy opening the letters as well our little friends do in reading them after they are printed. There is not a week passes that some young friend does not tell us how the family and the children enjoy this columnone gentleman said that sometimes the paper got torn before it got from the wagon, as the youngsters each wanted to get hold of the paper first.

Lizzie is very good to write again. even if she did not see her letter in print -it probably has been printed, or perhaps it was lost before it came to to us, for we always publish every one unless we suspect there is something wrong about them, as one or two low fellows have attempted to get matter printed that was intended to ridicule the small children who were doing their very best to write, and who would, if encouraged, be able after a little time to compose well writer. We thank Lizzie for acting so nicely; some little girls might have pouted about it, and felt angry, while we ought to remember that accidents will happen to every one, and we should not be too hasty in judgment. Many little quarrels might be pleasantly explained or adjusted if each one would rise above little petty jealousy, and ask for

explanations of things that happen to hurt the feelings of each other. The little song is good, and it's a nice

idea to copy such little scraps that each may fancy. It shows a desire to aim for higher development. The world need not be all hard work. Let the mind sometimes rise above the petty ourse of every day life and cultivate a love for the beautiful in nature and in I can play on the organ a little. My stand without being overstocked, thus literature.

It seems that the letter box is getting empty so I thought I would write a few lines. Etta Handsaker and Sarah W. Kelly about answered my questions correctly, so I will send them each a card. I will answer their questions : Etta's first. It is the 8th verse of the 112 Psalm. Sarah's is : Saul was converted near Damascus, and his name was changed to Paul. The answer to the the next question is: There were two people in the house. If I have answer ed them correctly I will be glad to receive their cards. J will close by asking a question : Where did Christ perform his first miracle and what was it. The first one that answers this I will send

CRESSWELL, Or., Aug. 5, 1884.

Editor Home Circle :

Editor Home Circle:

As 'my last letter was not in print I thought I would write again. Would like to hear from Bessie Settlemire again. She hasen't wrote for a long time. 1 think it would be very nice for the little folks when they write to give a song at the end of their letters. If anyone wants any songs that I know I will write them to the Home Circle. I will give a song and if anyone wants it they can cut it out. "The Dying Captive." There is a grave in the forest no white man has ever seen,

green ;

Lies the poor body of the fair Mary Ann. She died while a captive, not a kindred was

near Except one poor sister who loved her most

I connot express, with my paper and pen, The sad thoughts of dear O ive, having lost

that dear triend.

stand

Ann :

The white man may never forget that lone grave.

Though the wolves may how and the heathen cry,

doth lie :

Disturbs not the dreamer, whose form is at reat.

native home,

tomb.

doth lie.

If anyone knows the song "Just before the Battle Mother" they will please send LIZZIE BRYAN. it to me.

Editor Home Circle :

This is my first letter to Aunt Hetty. I am a little girl 9 years old and live on a farm away out here in Western Kansas, on what is known as the Paradise Flats, two miles north of Plainsville. My sister Mary died the 29th of May; she had

them my card. ALDERT F. DAVIS. TANGENT, Or., Aug. 2, 1884.

Where wave no red roses, no weeping willows

There in the forest, in the cold clay and saud

dear.

At the head of her grave no ton betone doth

To express the sad thoughts of the fair Mary

But as long as the flag in triumph shall wave,

Around that lone grave, where sweet Mary

But the cry of the heathen in joy or distress,

Though away in the forest, far from her

In the land of the heathen, her body is in

But how little doth it matter where the body

When the spirit's at rest with Thee on high.

PLANSVILLE, Kan., Aug. 1, 1884.

About Pot-Pies.

ALBANY, Aug. 21, 1884. Editor Home Circle:

properly seasoned. Cut the chicken up mer pickle there is, and almost every as for stewing or fricassee, and the lamb body likes them. or yeal in the same way. The crusts should be thinner than for soda biscuit, the tomatoes scald them in salt and was and dropped from a spoon in round ter until soft. Test them by pinching a balls ; they can be of light bread or bis- slice between the thumb and finger, and cuit dough. Grease the bottom of the skim out nearly as soon as they boil up. steamer and place the balls on it, not too Drain and put them in a jar, and turn near each other, so they can have room to swell, and also admit among them the steam from the cooking meat below. egar to dissolve the sugar and get the Care is needed to prevent the liquor strength out of the spices, which may getting too low, as it is to be nicely thick- be cinnamon and ground cloves, tied up ened and seasoned, and poured over the in little this bags or pieces of cloth, dish when served. First take out the three or four to a gallon of pickles. meat and place it in the center of the Pour this over the tomatoes while hot. platter, and put the dumblings or crust These are always in good demand. as a garnish around the outside. With the meat properly cooked and seasoned,

Pickled Beans .- Pickled green beans are a nice relish at this time of year, String one gallon of beans, without breaking them up ; put them in enough water to cover, with two tablespoonfulof salt, and boil until tender. Dip out Pot-pics are always a great favorite of the water and drain a few minutes. with all, and especially with the chill then cover them with hot vinegar, adddren. As for the means, of course noth- ing a few whole peppers or ground peping is better than a good tender chicken; per. If the vinegar is very strong, add but yeal and lamb, and even beef are half water. We do not like them if too very palatable when well cooked and sour. Beans make about the best sum-

GREEN TOMATO PRORIES .- After slicing on the vinegar. Take half as many pints of sugar as vinegar. Heat the vin-

Send us one new subscriber.

question.

Orah is a Kausas girl, so you must all welcome her as a stranger should be She seems to have read many of your others.

Leonora improves. Her letter is written well. It has a next appearance. She evidently has taken pains that it should be well done. Anything that is worth doing at all is worth doing well. Can't some of our little housekeepers and each a good receipt? Now, Aunt Hetty will give one good idea to begin on : then let each one tell of some good. ence. Now every little girl knows that even the best of housekeepers and the the best of dishwashers will have dishes. that show a sort of yellow rim around in creases or by the handles, and the dishes will have a worn, scratched appearance. Take all the dishes, putting platters and pitchers, then put in one-half of a paper of common baking-pewder, pour boiling and wipe; see if mamma won't think that the dishes are just from the store. This might be done on scrubbing day or wash day so as to utilize the soapy water. Now, let Aunt Hetty know who has tried this excellent hint.

Next comes a welcome letter from Al- comes this fall. Will answer Sarah W. bert. It's so seldom the boys remember Kelly; there were two. Uncle Enoch the Circle that they ought to be treated Skirvine, from your State, made us a little experience, they reacive further with so much more courtesy, so that short visit last May and we all had a they will come again. Some of our good time with him, but would have little Bible girls must answer that good better. I will write more next time.

ORAH SEIRVISE.

EAGLE CREWS, Or., Aug. 3, 1834. Editor Home Circle:

As I have not written for some time I will try and write again. It has been very warm weather the last few days. The farmers are busy cutting their grain. My uncle has a reaper : he has cut grain for three in the last week. I will try and answer Sarah W. Kelly's puzzle; two persons were all that were in the house. She said, to the first one who answers it correctly she would send a nice card ; I way to do something-something that never saw the puzzle before, but I supperhaps has been learned by experi- posed it was only two persons who lived in the house. I went to church twice to-day-I like to go very much, an Advent preacher preached. I will try and answer Sarah Kelley's Bible question, Saul was converted near Damaseus and his name changed Saul to Paul. It is cloudy and I think it will be raining in plates first in the bottom of a wash the morning. I have a second cousin here boiler, then pack in all the cups and on a visit, she is from California, she is going back in a week or two-her name is Towne, and I have a cousin living here water on till the disloss are covered, then this summer, she has a little boy two water on the the district are covered, then boil five minutes, then take out and rinse has two canary birds, but they don't sing much. Very respectfully, LEONORA S. MAREWOOD,

> In Chicago, "Col." Frank Thompson was cowhided by Justice Woodman, for libelous statements made by the former.

