BEES.

HOW TO MAKE \$350 A YEAR BY THE CULTIVATION OF BEES.

THE PRACTICAL EXPERIENCE OF AN ENGLISH AGRICULTURIST-THE ENTIRE PROCESS IN A NUTSHELL-SMALL OUT-LAY-LARGE PROFITS.

In a brochure of some forty-five pages, Mr. J. W. Pagden, of England, very generously gives the an outlay of \$3. He has now 100 frame, leave one end projecting. spring van, and drove them a dis- his hoe." tem.

HIVES.

Mr. Pagden starts out by setting his face entirely against ranging hives against a southern wall. He has tried every point of the com- ing the side hive when filled a swarmed, or left for removal till pass and finds east, or a point north or south of this, to be the best. A straw hive will last twice as long in this position as in the others. It is not necessary to range hives under a wall or hedge; they should sim- served that the bees had clustered ply be placed two or three feet over the block, and apparently disapart, with the back of the hives to appeared. On raising the hive he the garden wall. Bee houses are noticed a small hole in the centre worse than useless, and every hive of the floor-board, and through should rest upon its own stand which bees were passing. In an apart from others. Mr. Pagden, old chimney pot he found forty after many trials, has found the pounds of pure, white honey. He straw one to be the best for all prac- then adopted the idea by cutting tical purposes. It must be made three slits in the bottom of a cheese with a flat top, and a hole in the box three sixteenths of an inch wide center, three inches in diameter. and three or four in length. He When the bees show symptoms of put on the lid and turned the box swarming, place on the crown an upside down on four bricks. He adapting board, with slits cut in has also invented a nadir hive of the center corresponding with the wood and straw which answers the hele in the stock hive. The slits purpose quite as well. The temthrough the adapting board must perature of the warehouse below is be exactly three-sixteenths of an kept at a much lower temperature inch in width. Drones will never than the top hive, and the queen pass through an aperture this size, will not condescend to visit the and the queen will rarely, if ever, lower regions. Of all plans for do so. For stands he recommends taking honey without destroying an empty American cheese-box. the bees this may be considered the First, place your bricks flat upon best. the ground, place the box securely upside down upon the bricks, leaning from back to front. Cover your hive well over with a sack or artificial manure bag, so that the drip culturist. To every pound of loaf probably destroy the swarm. When "I also preached at Aberaman

SWARMS.

A swarm is said to contain from 12,000 to 20,000 bees. When the bees require more room the queen, at the top of the hive. When prowith a great number of her subjects, perly adjusted the syrup will escape trance to the hive, convenient to the Church years ago, and some leaves the hive. When the bees only so fast as the bees can stow it mice, slugs and other enemies; that have fallen away through the them too soon. It is a good plan to by an empty hive, and thrown over syringe or sprinkle them with cold | this some sacking and matting. Do water; this cools them, and makes not shed any portion of the liquid inches in length in summer. the Poor-house at Newport, Mon., them more ready to crawl into on the outside of the hive. their new habitation. You may half drown outsiders with water. be fed with from four to six pounds entrance so that only one or two ous, and encouraged them to come When you have ascertained that of prepared food. The strongest bees can pass at a time. the queen is quietly settled in her hives may be fed to advantage, as new abode do not allow the new the queen will not begin to lay swarm to remain in the same posi- eggs until she finds some new tion until evening. Having re- stores accumulating. All stock to the nests, and leave it there one they all felt pleased to see me, and moved the old hive place the new hives that do not weigh sixteen swarm on the old stand. Full pounds in the autumn, independgrown bees and stragglers will then ent of the hive, must be fed up to find their way back. One fully that weight before you consider populated hive will produce more them safe to pass the coming winhoney than three or four weakly ter. All new swarms should be fed ones. When the new swarm has until the stock hive is filled with been working fifteen days or so cemb. open the hole at the top, place on your adapting board, and put on a feeding to great advantage. He fed super hive, box or glass, and the the bees at night, or on wet days, bees will store for you fifteen or and fourteen days from the time twenty pounds of honey comb, as the new swarm began to work he well as a plentiful provision for had taken \$9.50 worth of honeythemselves. After the great depop- | comb. The sirup cost \$1.75. ulation the bees generally give up all desire for more swarming, and destroy all embryo queens. The queen will have left thousands of was past, he deprived several of the eggs in the old hive to be hatched stock hives of from three to five out, and as they will be rather pounds of honeycomb each, then \$450 in one year by bees; and a her last evening, and she felt very tience, I will venture to give a deshort of bees to be sent on foraging fed to make up the weight. The Scotchman in Lancashire made well, and has strong faith and a excursions, assistance must be given bees treated in this way passed the \$200 from nine or ten stock hives, good, noble spirit. them in the way of sugar syrup. winter, and came out as strong and An average of twenty-five pounds "President Watts requests me to The inhabitants will then multiply vigorous as the others. Bee feed- from each stock hive is regarded as stay here over Sunday, which I inin a wonderful manner. Place a ing, says Mr. P., is only partly un- a fair return for time and trouble. cup on the top of the hive and derstood, and, indeed, we can only The figures named by Mr. Pagleave them to work.

small outlay, the following summer you will have one swarm independent of the old stock, and will have

honey than is generally supposed; ly under control. they have the power of flying at a a speed of 100 miles an hour.

your bees.

SIDE HIVING.

ed on the top of the old hive.

NADIR OR UNDERHIVING.

Mr. Pagden, on one occasion, ob-

FEEDING BEES.

To feeding Mr. P. attributes prineach gallon two tablespoonfuls of rum and one teaspoonful of salt. Administer the food with a bottle are fumigated the better.

Mr. P. has also tried summer

DEPRIVING STOCK HIVES.

After the honey gathering season Having secured a swarm at a may be practised.

TO RENDER BEES HARMLESS.

taken sufficient honey to cover ex- ey bee are so delicate that any fu- writer: penses, and also to purchase an- migation immediately produces a Bees have neither pride nor van-

REMOVING BEES.

When your stock has reached a The most favorable time to re- inch passage. close up to the old stock; the bees allowed the canvass to remain a "KEEP BEES!"-Ex. will then begin to fill the collateral few days, and then drew it away. straw hive as readily as one of a Young swarms should be removed more extensive nature. In remov- the same day on which they small cup or bell glass may be plac- the autumn. Should the hive be taken when only partly filled with great that the combs will give way, and all fall in one confused mass.

TO WEIGH HIVES.

hang the ring of a Salter's spring are yet some few honest in heart balance. A scale of half inch about here, that will come forth." board, thirty inches square, with cord through each corner, and confined by a ring at the top, will 16complete a very convenient weighing machine.

to number or name all hives, and to Wales of eight days. I passed my samlest one left to itself.

BEES' ENEMIES.

cipally his great success as an api- the hive, which will hatch out and his Spirit on each occasion. or best moist sugar add half a pint the moth once gains an entrance and enjoyed myself well in so doa milk pan for a roof, your hive is of water, boil for a few minutes, to the hive the bees appear power- ing. I feel to rejoice exceedingly ther-When I left Liverpool I proand when put out to cool stir into less to expel them. When the that I have been called on this maggots begin to eat their way in- mission. to the combs the sooner the bees | "I have visited several of the

> quarter of an inch in height, and have apostatized and gone to the from an inch in winter to four | dogs long ago; one of them died in Should wasps or other bees attack a a short time ago, 'a perfect wreck.' In the spring all light hives must hive, the only plan is to narrow the I talked with them long and seri-

piece of woolen rag with spirits of once knew them; most of them turpentine, put into the entrance promised me they would do so night. The next morning every treated me very kindly, and also wasp will be dead.

JOINING SWARMS.

queen in the morning.

PROFITS OF BEE-KEEPING.

other swarm. Should you continue sort of paralysis of the system, ity in the exterior decorations of acre Mr. Pagden finds that forty inches and flattened, leaving a a straw hive, an old box, a tub, a ence, and that at no period since ty-nine are inhabited, nineteen

hives can work without inconve- passage through. He inserts the bucket, or flowerpot, as in the most the commencement of my labors

certain size, you may commence move bees is in the autumn or the I commenced my present plan of them and converse upon the faith the humane system of taking honey early spring. Mr. P. recommends bee-keeping with only one hive, without swarming or destroying pieces of packing wrapper three purposely to prove the self-support- taught and practised by him and feet square, spread on the ground ing nature of a properly managed his apostles, and restored to the near the hive, then administering apiary, and also to convince the children of men by the Angel a few puffs of tobacco smoke, and cottager how, by starting in the through the Prophet Joseph. The cottage hive can be easily take the hive without the floor same manner, he may soon, as a public the benefit of his experience adapted to this plan: you have but board, and place it on the cloth. bee-keeper, attain the same position how, by following his directions, with a small frame-a flat trough side of the hive, and bind them then have the satisfaction of knowkeeping bees some four years ago on to the floor board, and fit in the way last autumn, loaded them in a may then lay down his shovel and were handed in for baptism.

best evidence in the world as to the for a few days; then cut a corres- When he reached the ground he same as "a French bishop," wish- cial prayer meeting, which Elder success and excellence of his sys- ponding notch to fit the frame in placed the hives, canvass and all, ing to better the condition of his Hardy and myself expect to atan empty hive to place at the side on the block, unfastened the string, poor clergy, once said to them, tend.

> The British Mission.-From the Millennial Star, Feb. 9-

"Elder Henry Hughes writes comb, the excitement will be so from Merthyr-'It grieves me to tell you that the state of this part of the country is deplorable; there are over one hundred thousand men out of employment in South Wales, Have a tripod, the three legs of so you can have some idea of the which may be six feet in length, state of affairs here. Nevertheless with a bolt passing through the it affords me pleasure to tell you whole. A hook must also be fixed | that we are baptizing a few all the on the bolt at the top, on which to time, and to all appearance there

From the Millennial Star of Feb.

"Bristol, Feb. 6th .- I arrived at It is necessary in a large apiary this place after a visit in South tion of Zion. enter them in a book, keeping a time very pleasantly while there in nesday to make another visit to record of such facts as you may visiting the Saints at their houses the branches of the Church in find necessary. Two or three in company with Brother Henry Berks, Bucks and Wilts. Elder W. swarms united in the autumn in Hughes, who is doing a very good L. Binder has fairly entered upon one hive will consume no more work in that country in connection his missionary labors, having just honey through the winter than the with Brothers Thomas and Willi- returned from a visit to the Saints ams, and have the full confidence in Hants, etc. of the Saints wherever we visited. While at Merthyr I had the privi-Never put a new swarm of bees lege of preaching twice in the in an old hive, as there will almost Saints' Hall, several strangers being motion of the Kingdom of God upcertainly be the eggs of the honey present each time, and I felt that moth deposited in the crevices of the Lord blessed me with much of

people in Aberdare, Merthyr and Do not have a large round en- Newport, who have been cut off along and be re-baptized, and strive To destroy wasps, saturate a to make lively good Saints, as I Brother Hughes who accompanied me to their houses.

"I arrived in this place on last Should you wish to join two Tuesday evening at 6.20 o'clock, and swarms, lay down two short sticks | was met by a lady who heard mynine inches apart; take one of the self and Brother White preach on hives and knock it on the ground Sunday, Jan. 24th, the first time been fulfilled to the very letter. I two or three times until the bees she ever heard the Gospel. She am well in body and mind-never are all shaken out of the hive: said she was very much pleased, felt better. I know I am engaged then sprinkle them quickly with and greatly surprised to learn that in the work of God. their syrup, place the hive with | we preached good sound doctrine the other swarms on the stick over | instead of carrying on all sorts of those shaken on the ground for the games, as she had heard reported, night, and they will be found and told me that if I would wait starting for Nottingham, as I inshe would like me to haptize her.

tend doing; will leave for Nottingham on Monday morning, visiting conjecture the extent to which it den are of course only applicable to three of my relatives between here England; very much larger profits and that place, and shall make may be expected in the United as short visits as I possibly can, as States. We close this brief epitome I feel more and more anxious to be The olfactory nerves of the hon- with the following remarks by the at work in the place assigned me. "GEO. L. FARRELL."

"London, Feb. 8th.-I am very At high water the islands number this system for six years, without which for a time renders them their dwellings; and when more thankful that I can report to you seventy-three, at low water only losses, you would have 729 hives. quite harmless. Mr. P. uses a tin room is required for their operations that the Cause of Truth is mov- fifty-six, the rise and fall of the In one garden of a quarter of an tube, one end being turned for two they will as readily store honey in ing steadily onward in this Confer- tide being about twelve feet. Twen-

nience; but if you are disposed to flat end of the tube in the entrance costly, highly-finished and orna- here have the prospects been so make a business of bees, gardens and gives them three or four good mental pavilion that can be placed cheering as at present. The Saints may be hired for any number. He puffs of tobacco smoke. The bees at their disposal. But it must be exhibit more life and faith, meetthinks that bees roam further for remain for several minutes perfect- remembered that all entrances ings better attended, and a more from the stock hive into any of earnest spirit of inquiry is evinced these super appliances must be by strangers who attend our meetguarded by three-sixteenths of an ings, from some of whom we receive pressing invitations to visit and doctrines of the Savior as

"Quite a number have been added by baptism since you were here in the cultivation of bees, and shows to make a passage on the floor board Pull the corners close up to the I have myself arrived at. He will in November last. Yesterday four were baptized at Spring Baths they may make \$350a year-a very four inches square and a quarter of with strong strings. Then turn the ing that his bees will supply him (Lordon), and not with standing neat little addition to the income of an inch in height. When the hive crown downward, which saves with double the income he could the inchemency of the weather yesthe farmer, or the working gar- bees show symptoms of swarming, the combs from being displaced. gain by expending all his strength terday, some of our meeting houses dener. Mr. Pagden commenced cut a notch in the stock hive next He packed sixteen hives in this and labor in the fields; in fact, "he were well filled, and other names

"On Sunday next we have an apstocks, all strong and vigorous—the Allcw the bees to have free passage tance of ten miles without damage. I would say to the cottager the pointment at Woolwich for a spe-

> "Elder Fowler will leave" in a day or two for another visit to Hampshire and Sussex, where we have prospects of doing quite a work, especially in Bosham and Southampton; in the latter place we find great difficulty in obtaining a suitable meeting room, this, however, as you understand, is one of the greatest difficulties we experience in almost every instance, in consequence of the great prejudice in the minds of the people, and their almost entire ignorance of the faith and belief of the Latter-day Saints. Those whose crafts are in danger are still earnestly seeking by misrepresentation to keep this prejudice alive; but we rejoice in the Lord God of Israel, that however much his enemies plan and propose, he still disposes and overrules all things for the good of his people and the ultimate redemp-

"Elder Carrington starts on Wed-

"All are in the enjoyment of excellent health and spirits, laboring earnestly and hopefully for the proon the earth.

"R. T. BURTON."

From the Millennial Star, Feb. 16:

ceeded to Glasgow, where I remained one day. I then went to Edinburgh, where I stayed about fourteen days, busy all the time going from house to house preaching the Gospel. I got the few have quietly settled do not disturb away. The bottle must be covered have an entrance of only about a misdeeds of others, which 'others' and had a meeting, and instructed them to meet every Sabbath. A few that I have conversed with are friendly; I think I removed a good deal of prejudice. I then left for Tirnent, and found two families of Saints there; they were very kind to me; from there I came to Galashiels-have found two families of Saints here of old standing. I am going to meet with them to-day. There is another family in Selkirk.

"I have enjoyed myself first rate; wherever I have gone I have been received with the greatest of kindness and respect, far beyond what I expected. The blessing that was prenounced upon my head has

"ROBERT HOGG."

"Gremsey, Orkney, Feb. 8th .am trudging along as best I peaceably united with one dead until Friday evening, instead of can, in my simple and humble way, watching the dictates of the tended, on Wednesday morning, Spirit and trying to govern my movements accordingly. In hopes Mr. Pettigrew, a laborer, made I therefore waited and baptized that it will not weary your pascription of these northern islands. The Orkneys-the 'Orcades' of the Romans-lie off the north coast of Scotland, between the 58° and 60° (degrees) of north latitude and between the 2° and 4° (degrees) of west longitude. So you see that I am about 1,200 miles north of Salt Lake City and 300 north of Liverpool, consequently there is some difference between the climate here in mid-winter and that of St. George; our days are very short.