

BEES

HOW TO MAKE \$500 A YEAR BY THE CULTIVATION OF BEES.

THE PRACTICAL EXPERIENCE OF AN ENGLISH APOCARY—THE ENTIRE PROCESS IN A NUTSHELL—SMALL OUTLAY—LARGE PROFITS.

(CONCLUDED.)

FEEDING BEES.
To feeding Mr. P. attributes principally his great success as an apocary. To every pound of loaf or best moist sugar add half a pint of water, boil for a few minutes, and when put into a bottle, each gallon will support ten colonies and one teaspoonful of salt. Administer the food with a bottle at the top of the hive. When properly adjusted the supply will escape only so fast as the bees can stow it away. The bottle must be covered by an empty hive, and thrown over this some soaking and wet cloth. Do not shed any portion of the liquid on the outside of the hive.

In the spring all light hives must be fed with four to six pounds of prepared food. The strongest hives may be fed to advantage, as the queen will not begin to lay eggs until she finds some new stores accumulated. All stock hives that do not weigh sixteen pounds in the autumn, independent of the bees, must be fed up to that weight before the coming winter. All new swarms should be fed until the stock hive is filled with comb.

Mr. P. has also tried summer feeding to great advantage. He fed the bees at night, on wet days, and fourteen days from the time the new swarm began to work he had taken \$2.50 worth of honeycomb. The sirup cost \$1.75.

DEPRIVING STOCK HIVES.

After the honey gathering season was past, he deprived several of the stock hives of from three to five pounds of honeycomb each, then fed to make up the weight. The bees treated in this way during the winter, and came out as strong and vigorous as the others. Bee feeding, says Mr. P., is a matter of common sense, and, indeed, we can only conjecture the extent to which it may be practised.

TO RENDER BEES HARMLESS.

The olfactory nerves of the honey bee are so delicate that any fumigation immediately produces a sort of paralysis of the system, which for a time renders them quite harmless. Mr. P. uses a tin tube, one end being turned for two inches and flattened, leaving a passage through the center. The flat end of the tube in the entrance and gives them three or four good puffs of tobacco smoke. The bees remain for several minutes perfectly under control.

REMOVING BEES.

The most favorable time to remove bees is in the autumn or the early spring. Mr. P. removes the pieces of packing wrapper three feet square, spread on the ground near the hive, then administering a few puffs of tobacco smoke, and take the hive without the door board, and place it on the cloth. Pull the corners close up to the side of the hive, and then with strong strings. Then turn the hive crown downward, which saves the combs from being displaced. He packed sixteen hives in this way, and removed them in a spring day, and drove them a distance of ten miles without damage. When he reached the ground he placed the hives on the cloth, and on the cloth, and the bees were allowed the canvas to remain a few days, and then drew it away. Young swarms should be removed the same day on which they swarmed, or left for removal till the autumn. Should the hive be taken when only partly filled with comb, the excitement will be so great that the combs will fly away, and all full-time confused mass.

BEES' ENEMIES.

Never put a new swarm of bees in an old hive, as there will almost certainly be the eggs of the honey moth deposited in the crevices of the hive, which will hatch out and probably destroy the swarm. When the moth once gains an entrance to the hive, it will enter, and the maggots begin to eat their way into the combs, the bees sense the danger, and they will fly out and knock it on the ground. Do not have a large round entrance to the hive, convenient to mice, slugs, and other enemies have an entrance of only about a quarter of an inch, and a small hole in the top of the hive, in length in summer. Should wasps or other bees attack a hive, the only plan is to narrow the entrance at the top, and if bees can pass at a time.

JOINING SWARMS.

Should you wish to join two swarms, lay down two short sticks nine inches apart, take one of the hives and knock it on the ground, and place it on the sticks over those shaken on the ground for the night, and they will be found peacefully united with one dead queen in the morning.

PROFITS OF BEE-KEEPING.

Mr. Pettigrew, a laborer, made \$450 in one year by bee-keeping. He had a large number of colonies, and an average of twenty-five pounds from each stock hive, and a fair return for time and trouble. The figures are not applicable to England, very much larger profits may be expected in the United States. We close this brief outline with the following remarkable story.

Heed have neither pride nor vanity in the exterior decorations of their dwellings, and when more room is required for their operations they will, as readily as a man, a tub, a bucket, or flowerpot, as in the most easily adapted and ornamental position that can be placed.

NEW ADVERTISEMENTS.

WALKER BROS.

Wholesale and Retail

FAMILY GROCERS.

The Choicest Teas, Coffees, Spices, Pickles, Sauces, Hams, Bacon, Cheese, Lard, &c.

A FULL STOCK OF MINING SUPPLIES, POWDER, FUSE, ROPE.

Just Received!

2,000 BOXES LEYR'S MINING CANDLES.

Waker Brothers

HAVE MADE STILL GREATER REDUCTION IN THEIR DRY GOODS DEPARTMENT.

To make room for the Largest Stock of Spring and Summer Goods ever brought to this market.

FEBRUARY 18th, 1917.

at their disposal. But it must be remembered that all entrances from the stock hives into any of these super appliances must be guarded by three-sixteenths of an inch passage. I commenced my present plan of bee-keeping with only one hive, purposely to prove the self-supporting nature of a properly managed colony, and also to convince the cottager how, by starting in the same manner, he may soon, as a bee-keeper, attain the same position. I have myself attained it, and will show him the satisfaction of knowing that his bees will supply him with double the income he could gain by expending all his strength and labor in the field. In fact, the more he then lay down his shovel and hoe, I would say to the cottager the same as I. "Feared bishop," wishing to better the condition of his poor energy, once said to them, "Keep Bees! Keep Bees!"

UTAH FORWARDING COM'Y.

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Brown and Bleached Muslin, DIRECT FROM THE MANUFACTORY.

SHAWLS, CORSETS, Hosiery, Notions, Etc.

HAYNES & SON.

CHAIN & BOILER

All kinds of Smith Work done. Copper and Iron Fire Boilers made and repaired, and all kinds of Boiler Work on the most reasonable terms. All work guaranteed, as the best iron in use.

Address: HAYNES & SON, 420 South P. O. Box 127, Salt Lake City.

UTAH SOUTHERN RAILROAD

On and after Feb. 25, 1917, Going South.

Name of Station	Trains leave	Trains arrive
Terminus	12:00 P.M.	12:00 P.M.
Provo	1:00 P.M.	1:00 P.M.
Spanish Fork	2:00 P.M.	2:00 P.M.
Payson	3:00 P.M.	3:00 P.M.
Alpine	4:00 P.M.	4:00 P.M.
Alpine	5:00 P.M.	5:00 P.M.
Alpine	6:00 P.M.	6:00 P.M.
Alpine	7:00 P.M.	7:00 P.M.
Alpine	8:00 P.M.	8:00 P.M.
Alpine	9:00 P.M.	9:00 P.M.
Alpine	10:00 P.M.	10:00 P.M.
Alpine	11:00 P.M.	11:00 P.M.
Alpine	12:00 A.M.	12:00 A.M.

Going North.

Name of Station	Trains leave	Trains arrive
Terminus	12:00 P.M.	12:00 P.M.
Provo	1:00 P.M.	1:00 P.M.
Spanish Fork	2:00 P.M.	2:00 P.M.
Payson	3:00 P.M.	3:00 P.M.
Alpine	4:00 P.M.	4:00 P.M.
Alpine	5:00 P.M.	5:00 P.M.
Alpine	6:00 P.M.	6:00 P.M.
Alpine	7:00 P.M.	7:00 P.M.
Alpine	8:00 P.M.	8:00 P.M.
Alpine	9:00 P.M.	9:00 P.M.
Alpine	10:00 P.M.	10:00 P.M.
Alpine	11:00 P.M.	11:00 P.M.
Alpine	12:00 A.M.	12:00 A.M.

No. 1 and 2 will be run daily. No. 3, 4, 5 and 6 will be run daily, Sundays excepted.

For all information concerning Freight or Passenger, apply to F. LITTLE, General Superintendent.

JAMES SHARPE, General Freight and Ticket Agent.

UTAH CENTRAL RAILROAD.

Pioneer Line of Utah.

On and after JANUARY 1st, 1917.

Daily Trains

Name of Station	Trains leave	Trains arrive
Terminus	8:00 A.M.	8:00 A.M.
Provo	9:00 A.M.	9:00 A.M.
Spanish Fork	10:00 A.M.	10:00 A.M.
Payson	11:00 A.M.	11:00 A.M.
Alpine	12:00 P.M.	12:00 P.M.
Alpine	1:00 P.M.	1:00 P.M.
Alpine	2:00 P.M.	2:00 P.M.
Alpine	3:00 P.M.	3:00 P.M.
Alpine	4:00 P.M.	4:00 P.M.
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Alpine	12:00 A.M.	12:00 A.M.

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UTAH WESTERN RAILWAY.

On and after MONDAY, MARCH 19th, 1917, and until further notice.

Utah Western Railway Co.

Will run daily trains for passengers and freight, between

SALT LAKE CITY AND CLINTON.

Arrive Salt Lake City at 8:00 a.m. and 4:00 p.m. Leave Salt Lake City at 9:00 a.m. and 5:00 p.m.

Arrive Clinton at 10:00 a.m. and 6:00 p.m. Leave Clinton at 11:00 a.m. and 7:00 p.m.

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JAMES SHARPE, General Freight and Ticket Agent.

UTAH NORTHERN RAILROAD.

Trains leave Salt Lake City at 8:00 a.m. and 4:00 p.m. Leave Salt Lake City at 9:00 a.m. and 5:00 p.m.

Arrive Ogden at 10:00 a.m. and 6:00 p.m. Leave Ogden at 11:00 a.m. and 7:00 p.m.

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JAMES SHARPE, General Freight and Ticket Agent.

THE CHICAGO, ROCK ISLAND & PACIFIC RAILROAD.

Trains leave Salt Lake City at 8:00 a.m. and 4:00 p.m. Leave Salt Lake City at 9:00 a.m. and 5:00 p.m.

Arrive Chicago at 10:00 a.m. and 6:00 p.m. Leave Chicago at 11:00 a.m. and 7:00 p.m.

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PULLMAN PALACE CARS.

Chicago to Baltimore.

Washington City.

Without Change.

Leaving Chicago Daily at 10:00 p.m.

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U. P. R. R.

Trains leave Salt Lake City at 8:00 a.m. and 4:00 p.m. Leave Salt Lake City at 9:00 a.m. and 5:00 p.m.

Arrive Chicago at 10:00 a.m. and 6:00 p.m. Leave Chicago at 11:00 a.m. and 7:00 p.m.

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Will Make Up in Suits to Order in the Best Styles.

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This change in our business will enable us to carry a much larger and better stock of Sewing Machines, and all Articles pertaining to Sewing Machines.

From this date we will sell our machines on EASY MONTHLY PAYMENTS, and a discount of TEN PER CENT. will be made for cash.

THE SINGER MFG CO.

General Office, East Temple St.

Salt Lake City, Nov. 11, 1914.

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Chicago to Baltimore.

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