



### Intensified Farming

**CHAPTER XII. Bees; Their Value to the Fruits of the Farm.**

The fruit trees and the vine must have the bees in order to help fertilize the fruit; it is one of the greatest items in successful farming of fruits. had not a kind providence supplied the ignorant and careless farmer with honey gathering insects, we would not have as well as we do—we would be barren of many of our fruits. Look about you and see the bees at work; note the honey secretions of flowers. For what real purpose? To entice the insects, the bees, to gather pollen on their bodies, carrying it to other flowers in order to fertilize the bloom of the fruit trees and vines. This value alone should cause every farmer to look about him, wisely, and note this important item in farming. It is in the gardening, or fruit raising can be successfully followed is adapted to the profitable keeping of bees—in a limited way at least, if not extensively. Many localities will support many colonies of bees in spring, April and May the garden and orchard

flowers, in June and July, buckwheat that was sown in very early spring for green fertilizing and clearing the soil from soil diseases, the sweet or white clover, rape (for green manuring) yield much honey. Rape sown late in the fall will blossom the next April and May; sown in spring blossoms in June. Its sweets are an excellent stimulus for brood rearing. Bird rape grown in the orchard for the poultry yields an abundant amount of seeds, and blossoms about a month after sowing, yielding much honey for the bees. It does best in spring and fall, the cooler part of the growing season. Thus a twofold value is realized—honey and poultry food. Russian vetch is a hardy leguminous plant of great value for forage and for green manuring. The blossoms appear early in the season, and where there is any lack in early pollen, especially in northern and early regions this vetch will be found of great value to the bees.

Apple, peach, plum, currant, gooseberries, strawberries, blackberries all yield honey in a more or less degree. The value of bees in the pollination of various fruits and seed crops is sufficient reason to warrant the keeping of a small apiary, even if circum-

stances do not favor its maintenance in such a manner as to secure the largest possible crop of honey or insure the saving of all the swarms. The quantity and quality of many varieties of fruits depend absolutely upon complete cross-pollination. The most active agents in this work are honey bees.

The loquat tree of the wood lot yields light colored, clear honey of fine quality and fair flavor. Thus the wood lot yields posts, honey and shade for the cattle and poultry. All the clovers yield honey from April to August. Cucumber, squash, pumpkin and melon blossoms furnish honey and some pollen in July and August; tomatoes from April to late on in the fall. Buckwheat is an important honey and pollen producer. Its blossoms appear in about four weeks after seed is sown, hence it may be made to fill a summer dearth of honey plants. Buckwheat has three values when sown in the orchard (in drills one foot apart so as to till it): feeds the bees, and poultry and hums for the orchard soil; rape, two values, honey and seed, feed for the poultry.

We would advise you to raise the Caucasian bee, for they are exceedingly gentle, good workers, good defenders

of their hives, prolific, built many of their cells and swarm often if confined in small hives. Change your colonies by replacing the queens with queens of this desired race. Any bee journal (you should take one) will tell you where you can get a queen. They are sent in small boxes by mail.

The novice in bee culture should carefully read up what is said about swarming and hiving. Work with one who knows how to handle them. One or two lessons is quite sufficient to enable anyone to manage the simpler part of bee keeping.

The wintering of bees in the colder part of the United States and Canada may give anxiety to all who are about to attempt it for the first time; but you can make a success of it from the first. Build your bee house in the gable of the kitchen or wood shed, so as to be dry and protected. Plant a hop vine, better an ivy vine, at both corners of the house and shade the wall and roof. Did you not know that the roof will not rot as quickly when these vines grow upon it? Such is the fact. Whatever method be followed in wintering, certain conditions regarding the colony itself are plainly essential: First, it should have a good queen; second, a fair sized class

ter of healthy bees, neither too old nor too young; third, a plentiful supply of good food. The latter can be supplied with fairly thick syrup, made from white cane sugar, which is fed during the summer while the blossoms are plentiful. There is evidently a chemical compound extracted from plants that helps mediate and flavor the syrup and makes good honey, well ripened for the bees or the table. You can add this bees in the formation of the comb by giving them the syrup which they mix with the wax—can they mix with the wax so much honey for the table and to feed upon in winter. The syrup is prepared by dissolving three pounds of granulated cane sugar in one quart of boiling water and adding to this one pound of pure extracted honey, the honey from the spring flowers. Thus the bees may be kept at labor during the season when there is a dearth of flowers.

A hive of bees should have not less than 25 pounds of honey in the south and 40 pounds in the north to begin the winter with. If a good supply is at hand the bees will show a greater confidence—will begin to extend the brood nest in early spring. Feed the bees and they will feed you, in honey and in better fruits from the orchard and the vine. The novice is warned, however, not to expect too much from a small area. He must remember that as bees commonly go 2 1/2 to 3 miles in all directions from their home they range over an area of 1800 to 180,000 acres, and if one square foot in one hundred produces during the summer one honey yielding plant, they still have 180 to 180,000 acres of pasture; scarcely at any time during the summer months, maybe, less than this, if the orchards are kept supplied with poultry food, hairy vetch, sweet clover, bird rape, buckwheat and the never failing syrup pun and rye flour at hand.

### Fortune Telling

Does not take into consideration the one essential to woman's happiness—womanly health. The woman who neglects her health is neglecting the very foundation of all good fortune. For without health love loses its lustre and gold is but dross. Womanly health when lost or impaired may generally be regained by the use of Dr. Pierce's Favorite Prescription.



This Prescription has, for over 40 years, been curing delicate, weak, pain-wracked women, by the hundreds of thousands and this too in the privacy of their homes without their having to submit to indelicate examinations and offensively repugnant examinations.

Sick women are invited to consult Dr. Pierce by letter free. All correspondence held as sacredly confidential. Address World's Dispensary Medical Association, R. V. Pierce, M. D., President, Buffalo, N. Y. Dr. Pierce's Great Family Doctor Book, The People's Common Sense Medical Adviser, newly revised up-to-date edition—1000 pages, answers in Plain English hosts of delicate questions which every woman, single or married, ought to know about. Sent free, in plain wrapper to any address on receipt of 21 one-cent stamps to cover mailing only, or in cloth binding for 31 stamps.

A word to the industrious is sufficient. When you cannot as yet help yourself there are those who can help you. Take a good bee journal. The Bee Keepers' Review, Flint, Mich.; Western Bee Journal, Kingsberg, Cal.; Rural Bee Keeper, River Falls, Wis.; there are others. Keep posted. Let the reading of this article be only a preface, an introduction, to your study on apiculture. That which you make a careful study of you are most likely to do.

The value of bee keeping is little known by the average farmer. He is waiting in ignorance, however, for the small acreage farmer to develop the broad acres of our fair land.

Berry crates and boxes for sale at Oregon City Commission Company.

Don't think that piles can't be cured. Thousands of obstinate cases have been cured by Dean's Ointment. 50 cents at any drug store.

A wonderful postcard—Everybody should see the picture, Way of Life, and read carefully the explanation of one of the most clear, truthful and sublime relations of the doctrine of salvation, "the Faith of Jesus," ever printed, superior, as this age of light and revealed truth is superior, to the greatest wisdom and skill of the old masters. Price 2 for 5c. Huntley Bros. Co., Postcard Headquarters and Jones Drug Co.

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# A Fair Comparison

BETWEEN A NATIONAL BANK OF PORTLAND, OREGON  
And the UNION PACIFIC LIFE INSURANCE COMPANY

## SAFETY

In Every investment there are two considerations—Safety and profit.

The most important is safety; no one is justified in putting money into any enterprise unless it can be shown that the money so invested is practically insured against loss.

To place funds in a concern of any other character is speculation.

The capital stock of the UNION PACIFIC LIFE INSURANCE COMPANY is an absolutely safe investment.

In considering this investment offer, therefore the following should be kept in mind:

First—that immense fortunes have been and are being made in life insurance—the most profitable of all forms of legitimate business.

Second—That there is a growing sentiment towards the upbuilding of home institutions of every kind, and especially in regard to life insurance.

Third—That the Union Pacific Life Insurance Company stock is absolutely safe under the legal reserve laws, and will grow more rapidly in value than any other stock available.

Fourth—That by securing stock in the Union Pacific Life Insurance Company you have the opportunity of personally and effectively promoting the business of a company in which you are interested, and thus adding to your profits, and the value of your holdings.

## Profit

On account of the high percentage of success, and because the profits are greater than in any other business, there is no better investment than that in a flourishing life insurance company.

Life insurance companies have, therefore been practically financed, with the result that the enormous profits which they have made, and are making, remain in a few hands.

The plan of the Union Pacific Life Insurance Company in distributing its capital stock in a way by which it not only offers a remarkable opportunity for investment, but at the same time, puts into effect a successful method of securing the co-operation of its stockholders in the upbuilding of the company, affords an opportunity which will be quickly seen and accepted.

Don't wait until the Stock is either Advanced in price or Withdrawn from the Market. BUY NOW.

## A National Bank of Portland

Capital Stock - - \$ 500,000  
Surplus - - - 1,000,000  
Capital Stock and Surplus - \$1,500,000

Market value of capital stock on basis of capital and surplus on hand (value \$100) \$300 per share.

The bank has paid 7 per cent. quarterly cash dividends for 25 years, which is equal to 30 per cent. on the par value of the stock.

Market value of its capital stock on the basis of dividends earned and paid in cash each year on basis of 5 per cent. interest earnings will equal to \$600 per share or 600 per cent. above par.

## UNION PACIFIC LIFE INSURANCE COMPANY

The Union Pacific Life Insurance Company of Portland, Oregon, will have--

Capital Stock, - - \$200,000  
Surplus, - - - 400,000  
Capital and Surplus - - \$600,000

Taking the above figures as a basis of calculation, market value of capital stock on basis of capital and surplus (par value \$100) equal \$300 per share.

The average annual cash dividend earned and paid by the ten leading life insurance companies for the past 25 years amounts to 50 per cent. on the par value of the stock.

Market value of stock on basis of dividends earned by the ten leading life insurance companies on basis of 5 per cent. interest earnings would be equal to \$1000, per share or 1000 per cent. above par.

The security of a life insurance company is many times greater than any national bank, because the laws of Oregon limit the insurance company to investing its assets in first mortgages on improved real estate of double the actual value of the amount loaned, while National Banks must loan its funds on commercial paper without security.

The fact that the securities in which the insurance companies can invest are restricted by the laws of the state to high-grade securities, and the insurance department of each state in which we do business supervises the operation, certainly surrounds the investor with a safeguard that he could not possibly get with many classes of investments.

While every other stock was depreciated during the last panic, not a single share of stock in a life insurance company depreciated in value the fraction of a dollar.

On the contrary, it has been more forcibly brought to the attention of the investing public that the value of life insurance stock is more stable than the value of any other stocks on the market. The same firm and fluctuating value of life insurance stocks has obtained during every panic this country has ever had. This cannot be said of any other kind of stocks.

## Union Pacific Life Insurance Company

Home Office, Portland, Oregon

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