

JUST A BUMBLE-BEE

BY JENNIE A. REEHER.

The front yard of the big farm house was bright with early spring flowers: tulips, narcissus, and iris. Dandelions bespangled the grass like golden stars. Charlie, the ten-year-old son of the home, and I, a visitor, were enjoying the morning looking for new blossoms that might have opened during the night.

"There's a bumble-bee; let me kill him!" shouted the little boy.

"Stop!" I spoke quickly, as he grabbed a shingle and made for the bee. "Don't hurt it! Come here to the porch and I will tell you a story about this handsome bee."

"Huh! there's nothing pretty about an old bumble-bee. They sting. We boys like to rob their nests and get the honey," he said scornfully.

"And robbers you are, when you do such a thing, robbing Mother Nature of something she needs in the world's work. Listen to me," I continued. "This big bee we saw is not a 'he.' It is a Queen Mother bee. If you should kill her, you would destroy the little home she has founded. I think her black and yellow suit is handsome. I noticed you liked the black and yellow sweater your mother gave you. Anyhow, why do you want to kill the bee?" I smiled at him as I questioned.

"Don't know," answered Charlie, "guess it's because it might sting me." "She never would, unless you hurt her or invaded her home," I replied. "Now for the story. First, do you know what cocoons and larvae are?"

"Yes, indeed, we learned all about them in Nature Study at school," said the little boy.

"Fine, then you will understand everything I tell you. You know how hen broods her eggs and little chickens to keep them warm? Yes, well Mother Queen Bumble-bee does that very thing. She hovers her eggs and babies."

"How do you know that she does, Aunt Annie?" said Charlie, his face aglow with interest.

"Because wise men have watched her do it and have written in books all they observed," I returned. "This bee you wanted to kill came from the nest last August, a fine large young queen only a few days old. Her coat was fresh and glossy, her life free from any care as she flitted around all day sucking nectar from the flowers, and flying in the warm air where one day she met her mate. She was storing up energy for the future."

"Where did she go at night," asked the child, "did she go back to the nest?"

"No, she never went back after leaving it. At night she crept in a crevice on the south side of a building, or wall, or some such warm place. But later on the weather began to grow cold. Can you guess what she did? Bees cannot endure cold you know."

"She might have huddled up for the winter, like the chipmunks do," he answered.

"Good guess, Charlie, that is exactly what she did. She went searching around, as soon as the September chill came in the air, until she found a small hole extending far beneath the roots of a tree. Down at the furthest end of it she snugly slept all through the long winter, while the snow was piled a foot or more deep over the ground outside. One warm April day the Queen mother awoke. 'No more easy times for me,' she might have said, if she could have talked like a boy. She crawled out of the ground and filled herself with honey from the early spring flowers, then started to seek for a nest."

"I've seen 'em, I've seen 'em!" shouted Charlie, jumping up and down, "big bumblebees, alone, hunting around, going into and coming out of holes. Sometimes they get into the house, onto the window and we kill them."

"Oh Charlie," I said, "don't ever do that again. Now listen! The queen finally finds a place that suits her; often it is an abandoned nest of the wood mouse, in a log, or branch of grass, or under the roots of a tree. She tears off the floor, then arranges the bits of moss and grass in a circle around it. Then she goes away to gather pollen, which is, as you know, the dust of flowers. All kinds of bees gather it to feed their young. We call it bee bread. Did you ever see bee bread?"

"Yes. Sometimes it is in honeycomb from a hive of bees father has smoked out and put in another hive. It doesn't taste good."

"It tastes good to the baby bees. Queen Mother gathers a lump of pollen, mixes it with honey, then fastens it to the floor of her nest. Upon top of this lump she builds a circular wall of wax, then in this cell lays her first batch of eggs, about a dozen, and finishes by sealing a cover of wax over it. The whole thing is small, about the size of a pea. As soon as it is completed the mother, like a tiny hen, sits on those eggs night and day, only leaving when the sun is high to get honey for her own food. But you know that at this time of year cold storms, lasting for several days, are liable to come. If the bumble-bee left her eggs at such a time they would chill and she would perish. Therefore she builds a honey pot, and keeps it filled and thus has food for stormy days."

"How big is the honey pot, Aunt Annie, and what is it made of?" said Charlie, his eyes sparkling.

"It holds nearly a thumbful of

honey; it is made of wax, and it is round like a little bowl. It is placed near the entrance to the nest and close enough to the mother bee that she can eat from it without leaving her eggs. Thus, too, she is facing her door to guard against intruders. In about four days the eggs hatch and the larvae begin to eat the bee bread that forms the foundation of their home. Their mother enlarges the cell as they grow, thus always keeping them covered with wax. At first, she opens the cell and puts food among them, then closes it again, but in a few days they are large enough to stand up, wedged closely side by side, and then she feeds each baby bee separately. She fills each little mouth with honey and pollen mixed, from her crop, something similar to the way a canary bird feeds its young. Soon they are full grown and spin themselves thin, tough blankets for cocoons in which they go to sleep. Queen Mother pulls the wax from off them and then, she has rows of pale yellow sleeping babies. They must be kept warm, and so she broods them again night and day."

"Does she still keep the honey pot?" inquired Charlie.

"Oh, yes, there are yet many cold days. But here is something queer. She could not cover all the cocoons if they were flat, on the same level, therefore the two outer rows are higher than the centre ones. The larvae composing these rows have been laid a little better than the others, thus making them grow taller. Queen Bee knows her business, you see. In the groove thus made she sits—the groove is always made so her head faces the entrance—flattening and stretching her abdomen until the central cocoons are covered, and then putting her legs over the raised outside ones, she clasps them close to her sides. Thus all are kept warm."

"Why, she must love those babies of hers," exploded Charlie. "I never realized before that a bumble-bee knew anything. I like to hear about her. Go on, Aunt Annie."

"There isn't much more to tell. In

a few days the young bees come out of the cells and then the queen has plenty of helpers. This brood is much smaller-sized insects than those hatched later. The queen keeps on laying eggs which the workers care for, while they also gather much nectar and pollen. The big honey pot is broken up and the wax used for other cells. In a few weeks the colony has grown until there are hundreds of busy bumble bees in it. In the late summer a dozen or more larvae are fed in such a way that they grow into large, fine queens and are sent from the nest as was our queen mother last year. The weather will soon be cold, so Queen Mother lays no more eggs. One day she leaves the nest and wanders among some late flowers, enjoying their nectar. The sky is blue, the air warm, but the bee is old and rusty looking. She goes to sleep among the flowers, the cool night comes on, but she never wakes; her work is done, her busy little life ended."

"I won't ever kill another bumble-bee," said Charlie, "but tell me, auntie, what good are they anyhow?"

"They are most important to the farmers. All bees fertilize the flowers, that is, help them so they can bear seed; but the bumble-bee is the only one which has a tongue long enough to get the honey from red clover, and thus fertilize it. Not a head would bear seed unless a bumble-bee had first visited it, and therefore there would be no clover. Most farmers know this but few know the story of the life of the bumble-bee."

"There comes papa, and I'm going to tell him all about 'em. Wait, daddy!" and full of enthusiasm he left me, while I sauntered toward the house.

Egg-Laying Contests.

During the season of 1923-24 twelve egg-laying contests were conducted by the Poultry Division of the Central Experimental Farm. A Canadian contest was held at Ottawa, and the other eleven were provincial. These contests, which have been carried on since 1919, are intended to encourage and improve the breeding of poultry along lines of egg production, to provide reliable information for breeders and a medium of qualification for the registration of poultry.

According to the 1924 report of the Dominion Poultry Husbandman the contests have brought about a remarkable improvement in the breeding of poultry and have done much to stabilize the industry in Canada. The increase in production between the first and fifth years of the contests is .57 eggs per bird. The report, which is distributed by the Publications Branch Dept. of Agriculture, Ottawa, gives a detailed account of the 1923-24 contests in which 3,610 hens took part and laid an average of 169.6 eggs per hen. One bird in the Nova Scotia section laid 313 eggs in 52 weeks. Out of 1,088 birds laying 200 eggs and over, 753 qualified for registration.

Marketing problems will be much more easily solved when we have convinced our sales agencies that we are putting up an honest graded pack, when they understand that they can dispose of our fruits to an advantage.

"How big is the honey pot, Aunt Annie, and what is it made of?" said Charlie, his eyes sparkling.

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Registered Pedigree Poultry.

Notable progress has been made in poultry raising in Canada in recent years, to which the Laying Contests held in every province of the Dominion have materially contributed. A greatly increased average throughout all the Contests has been reached in a few years, which is direct evidence of a remarkable improvement in the breeding work behind hundreds of entries, representing thousands of matings.

With the advent of registration for poultry, the standard was raised from 150 to 200 two-ounce eggs as a minimum of qualification, and the bird must also conform closely to certain standard characters laid down for the breed.

The standard for the male is still more severe. He must be bred from a dam and grand-dam that have each laid in a contest at least 200 two-ounce eggs and be free from standard disqualifications. To breed such a male is an achievement worthy of an official record and a number of such males will be procurable this year, with authentic pedigree and tattooed with the breeders registered mark and carrying all the identification marks guaranteeing their breeding.

The number will be limited this year, but the supply will increase as the number of daughters of registered dams that qualify in the contest increases.

In breeding up to the excellent standard demanded in registered

ICED DRINKS FOR SUMMER DESSERTS

BY JANE HEMMINGWAY.

It may seem at first glance a darling idea, but upon reflection you will find it an attractive and sound one—that of serving an iced drink for the summer dessert. In the summertime a thirst quencher is far more acceptable at the end of the meal than any additional nourishment.

The old stand-bys are always welcome—lemonade, orangeade, ginger ale, grape juice, iced tea, coffee and chocolate, and currant or raspberry shrub and a wafer or a cookie or a piece of plain un-iced cake make a satisfying enough dessert for anyone. But there are many variations of these drinks that may be served when one wishes for a dessert a bit more elaborate.

Sherbet ale is delicious and refreshing. Place a large spoonful of orange or lemon ice in each glass and fill it up with ginger ale. Serve with rolled wafers. The very nicest ice to serve is one made with equal parts of orange and lemon juice with the beaten white of one egg added when the mixture is half frozen.

Peach Delight. Take a quart of sliced ripe peaches and rub them through the colander. Sweeten to taste, flavor with a few drops of almond extract and add a quart of rich milk. Fill glasses three-quarters full of this mixture, top with whipped cream and sprinkle with sliced blanched almonds. Serve very cold.

Liquid Gold. Make a very thin custard, using only the yolks of the eggs and no cornstarch or other thickening. Flavor it with rose or any other flavoring you wish. Dilute with cream if it is too thick. Add finely chopped dates and walnuts, just a sprinkling of them, and top with whipped cream dusted with macaroon crumbs. Serve with brandy snaps. These little snaps are so called because they are used often as an accompaniment to that spirit when it is served overseas.

The recipe was given me by an English friend. To make them, heat half a cupful of molasses to the boiling point and add a third of a cupful of butter. Remove from the fire, and when the butter is melted add gradually, beating all the time, a cupful of flour, mixed and sifted, with two-thirds of a cupful of sugar and three-quarters of a tablespoonful of ginger.

Drop single portions from the tip of a spoon onto an inverted baking pan,

two inches apart, and bake in a slow oven. Remove from the pan with a long-bladed knife and roll over the handle of a wooden spoon.

Little wafers and cookies may be made on a cool day or early in the morning and put away in air-tight

bottles. Bake in a moderate oven.

Mint Sangaree. Make a fruit compote of lemon, orange and pineapple juice. Color a light green with a harmless vegetable coloring paste and mint flavoring to taste. Serve with a sprig of fresh mint in each glass.

Orange Rickey. Fill each glass one-third full of cracked ice. Add orange juice until the glass is half full, then fill to the top with ginger ale. Serve with little nut cakes.

Mint Chocolate. Add mint flavoring to the food chocolate. Top with whipped cream. Sprinkle with a few tiny little green mint candies.

Fruit Limeade. Make your limeade of fresh limes. Add sliced strawberries and grated pineapple.

Serve with fruit cookies.

I make a very delicious fruit cookie using an old aunt's recipe and they are very popular with my patrons.

The recipe calls for a heaping cupful of butter, one and a half cupfuls of

sugar, two eggs beaten separately,

three tablespoonfuls of sour milk, one small teaspoonful of soda, one pound

of raisins and as little flour as possible

to make the batter stiff enough to roll out. Bake in a moderate oven.

Have You a Foot Scraper?

If the men folks had to sweep the house just one week there would be more foot scrapers at the doors of the farm homes. A foot scraper costs practically nothing, and yet it will save a great deal of dirt from being taken into the house.

Several things may be used to make a good foot scraper. One may use an old plowshare, or any piece of metal, or they may be purchased cheaply.

However, the blade of an old shovel,

upturned and set in the edge of the concrete step will make a dandy foot scraper. It should lean slightly outward so that falling dirt will clear the step. A box may be set under the scraper to catch the dirt and when it is full it may be conveniently emptied.

A foot-scraper not only prevents a

great deal of work for the women-folks, but it also saves shoe leather by

more cleanly removing manure and

other leather-eating substances from the soles.—H. L. H.

A Summer Drink.

In trying to combine a number of necessary food values in one summer drink for my three-year-old daughter I evolved the following nourishing, refreshing drink for adults as well as children:

Juice 1 orange, 1 lemon, 1/2 cup sugar, 2 eggs, yolks and whites beaten separately, 1 quart milk.

Beat all ingredients together. The white of the egg will rise to the top of the pitcher. Cracked ice is added for adults. —Mrs. P. W.

CLIPSE FASHIONS

Exclusive Patterns

by Hazel Day



1127

CHARMINGLY SLENDERIZING

Plaited frocks are the success of the season, and this clever frock of printed crepe gives a lovely long line to the figure. The plait contributes a panel effect to both the front and back of the frock, which is particularly flattering to women of generous proportions. The front is cut rather low and opens back to form reveres, to which a close-fitting collar with pointed ends is attached. The sleeves are made short and trimmed with a cuff, and shaped patch pockets are attractively placed over the plait. The diagram shows how easy this frock is to make and the small front view pictures it on a woman of generous proportions. The front is cut rather low and opens back to form reveres, to which a close-fitting collar with pointed ends is attached. The sleeves are made short and trimmed with a cuff, and shaped patch pockets are attractively placed over the plait. The diagram shows how easy this frock is to make and the small front view pictures it on a woman of generous proportions. 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