

accumulate. No fly took place from the 12th of November until the 7th of March when several bees flew out. From March 8th to 26th they flew nine days, but were very weak. Another examination was made April 21st but both colonies had deserted. The combs were quite dry and clean and there was plenty of sealed honey in the hives. An average amount of honey consumed during the past five years, fifteen pounds fifteen ounces.

Experiment No. 6—Two colonies were put into the cellar with bottoms of the hives left on, just as they were brought in from the bee yard. The wooden covers were removed and nothing left on except a tightly sealed propolis quilt. The entrance was left wide open. During the entire winter the bees kept perfectly dry and a very slight hum could be heard. Both hives came out in excellent condition. Average amount of honey consumed during the past four years eleven pounds seven and one-half ounces.

Experiment No. 7—Two colonies were placed in the cellar and placed on the shelves, a three inch block being placed between the bottom board and brood chamber, only in front, making the full entrance three inches high across the whole front. The wooden covers were removed, and replaced with a chaff cushion. Temperature the same as No. 1. During the whole winter both colonies in this experiment were perfectly dry and clean, and showed no uneasiness of any kind and came out in the spring in excellent condition. Average amount of honey consumed during the past four years, ten pound eight and three-quarter ounces.

Experiment No. 8—Wintering on summer stands. Two colonies were left on their summer stands with extra packing around the back and top. A box one foot larger each way

was placed over the hive and filled with cut straw. The wooden cover was removed and replaced with a chaff cushion. A small shaft $1\frac{1}{2}$ in. square extended from the opening of each hive to the outside of the box. No flying took place from the 12th of November until the 7th of March when a slight hum was perceptible and a few bees made their appearance.

On the 15th of April the hives were taken out of the packing case and found to be deserted. Many dead bees lay at the back end of each hive; the frames were all dry and clean and had abundance of sealed stores. Average loss of weight, including honey and bees, during the past six years, nineteen pounds one and one-half ounces. Only three seasons out of the six the bees came out in good condition. From experience gained I would recommend wintering in the cellar in any section where the temperature goes fifteen below zero. Average loss in weight of honey and bees:

No. 1—11 lbs. $\frac{1}{2}$ oz. Wintered in cellar.
 No. 2—13 lbs. $1\frac{1}{4}$ oz. Wintered in cellar.
 No. 3—14 lbs. 3 oz. Wintered in root house.
 No. 4—11 lbs. $4\frac{1}{2}$ oz. Wintered in pit.
 No. 5—15 lbs. 15 oz. Wintered in house apiary.
 No. 6—11 lbs. $7\frac{1}{2}$ oz. Wintered in cellar.
 No. 7—10 lbs. $8\frac{3}{4}$ oz. Wintered in cellar.
 No. 8—19 lbs. $1\frac{1}{2}$ oz. Wintered on summer stands.

Mr. Darling.—As to experiment No. 6, where did you winter your hives?

Mr. Fixter—In the same cellar as No. 1.

Mr. Post—Referring to experiment No. 7, what distance were these from

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