

fewer than the disadvantages. To those not having experience, no one need hesitate to condemn such a hive; the chances for blundering are too great, and the box hive would be far better. The eight-frame Langstock hive—which is not patented—is used more generally throughout America than any other; in fact, it would be safe to estimate that eighty out of one hundred are of this design. Other hives of about the same capacity are probably just as good, as far as results in honey production go, but supplies for this hive are more easily purchased, and when the time comes that these hives are to be sold (that time, however distant, is almost sure to come) they can be sold more readily in this hive than any other.

An old and successful bee-keeper, who has tried many hives, and who has a hive of his own design in the majority, stated to me, "After all my experimentation, I confess with regret that Father Langstock struck it just about right when he made the first movable frame hive." Above all, do not get up an odd sized frame of your own if you continue in the business. You will surely regret it. Take, at least, some hive that is somewhat generally used. The chaff hive may be sufficient protection for winter; but a severe winter may come when it is not. A single-walled hive is cheaper, and if outside wintering is desired they can be put in large boxes and packing placed between.

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FERTILIZERS FOR ORCHARDS.—The Michigan Experiment Station strongly recommends unleached ashes for apple orchards, to be for several years the exclusive application; and in addition to this on light soils twenty loads of rotted stable manure, and in other cases fifty pounds of nitrate of soda and two hundred pounds of fine ground bone. In most instances ashes have proved highly beneficial to orchards, but discrimination should be made with varying soils, as in some cases it has greatly increased growth, while in others it has produced no sensible effect. The above authority, in recommending 50 or 100 pounds of nitrate of soda, and 100 or 200 pounds of muriate of potash and 400 pounds of ground bone, regarded 50 to 100 bushels of wood ashes as better to take their place, and would supply at least one-half the phosphoric acid. The only objection we would make to this prescription would be in strongly modifying the substances and their quantities, according to variations in the nature or composition of the soil, to be determined by careful measured trials.

PACKING APPLES FOR MARKET.—I use a table eight feet long with side boards six inches high, that will hold two barrels of apples. Sort them into two grades at least. For the first grade set two tiers of smooth, good-colored, medium-sized apples, and fill up the barrel with apples that will run as good or better. Shake them well, level off the end, press the head in so tight that there is no chance for an apple to move, and after the head is nailed turn the barrel upside down and put your name on it as guarantee of a No. 1 apple, to be sold for what the buyer is willing to give.—NELSON COX, at Farmers' Institute in Ohio.