AN EASY METHOD OF MANAGING BEES, frequently the cause of their destruction by the IN THE MOST PROFITABLE MANNER moth, which is more particularly explained in TO THEIR OWNER. TO THEIR OWNER.

erowned with success.

purn their attention to the business.

In the hope that the management of Bees will sective more attention than formerly by the Ca sadian population, we shall publish the manual before us in the present and four subsequent numbers for all purposes except such as are used for mul I the Cultivator.

RULE I.

On the Construction of a Bcs Hive.

fee from shakes and cracks; it should also be bees from destruction by mice, reptiles, and other planed smooth, inside and out, made in a workmanlike manner, and painted white on its ou side.

werkman has neglected, by plastering up all such trost, or nearly melted in hot weather.

Seachs and crevices, or bad joints, as are left open trost, or nearly melted in hot weather.

By the joiner. The substance they use for this paper is neither honey nor many that the laws and a should be placed very purpose is neither honey nor many that the laws and a should be placed very purpose is neither honey nor many that the laws and a should be placed very purpose is neither honey nor many that the laws and a should be placed very purpose is neither honey nor many that the laws and a should be placed very purpose is neither honey nor many that the laws and the law in the first stages of its existence.

the night-makes an incision into the glue, or any unnecessary steps.

The heart in the slie when it is a step in the steps.

The heart is the slie when it is a step in the slie when it i posited in the glue, where it remains secure from the bees; it being guarded by the timber on its sdes. Thus, while a maggot, (larva.) the moth uses the cement for food until it arrives so far to wards a state of maturity as to be able to spin a web, which is more fully explained in remarks on Lule 10.

The size of a hive should be in accordance with the strictest rules of economy, and adapted to in such a manner as to offord a free entrance and be.

The lower apartment of the hive, where they store their food, raise their young bees, and perform their ordinary labors, should hold as much as a box of thirteen inches and one-half or fourtem inches square, or one bushel.

Nature has fixed certain principles in the peculier instinct of the koney-bee, which are unalterable by human wisdom.—(See General Observations.)

if the hive is much larger than the one already described, the bees cannot work to advantage, and will not be likely to fill the drawers in several years if they swarm, and their prosperity depends principally on swarming, for it is their nature to do so, and any management which counteracts their saural habits, impedes them in their labors, and readers them of little profit to their owner; and such a manner as to exclude the light from the they finally run out, or come to an end in a few windows of the drawers, and also to prevent the

be robbed.

The chamber of the hive should hold about two The above is the title of a neatly printed manual, thirds as much as the lower apartment, and be which was lately presented to us by Mr. David made perfectly tight, so as to exclude all light Leflar, of Churchville, Home District. Mr. L. from the windows of the drawer, and also to proinforms us that he has followed out in detail the tree them from the chilly night-air:—otherwise, the cold air of night so siters the condition of the directions of the author, and his efforts have been animal h a in the drawer, that the bees are compelled to he in idleness until an equilibrium can If the Canadian farmers would turn their at make comb in the night, and fill up the cells with tention largely to the management of Bees, the honey in the day-time. Comb is made of honey, article of honey would very shortly become a ruminated in the stomachs of the working bees: considerable item on our list of exports to Eng. it exudes from the interior of its abdomen, and terms in little flakes betweet its folds, and is taken by the bees in their mouth from thence, and yearly into the Mother Country from Holland and, weided on to enlarge the cells and fill up their other continental countries, all of which might be tenement with comb. Now, as it requires an supplied from this country if the people would only exact uniformity of heat in all cases to make comb and enlarg) the cells of a colony, we are able to account for the fact that bees will store much more honey in drawers than caps, which are more exposed to the cold and damp air of mght.

Drawers should be small, like No. 2, 4, and 8, uplying colonies and transferring swarms, which should always be large, like No. I.

Hives should have cleats on their sides, so as A Bee-Hive should be made of sound boards, the floor of the apary, the better to secure the vermin.

The back side, or rear of the lower apartment REMARKS .- That a Bec-Hive should be made of the hive, should slant forward so as to render perfect, so as to exclude light and air, is obvious the same smatter at the buttom, the better to secure the combs from failing when cracked by

purpose is neither honey nor wax, but a kind of near the lower edge of the hive, because it facilijuipose is neither noney nor wax, but a kind of tates the entrance of depreda ors. That the back is used by the bees, to fill up all imperfect joints and should slam forward, is obvious from the fact, and exclude all light, and air. This coment, or that bees generally rest one edge of their combs gue, is very congenial to the growth of the Moth, on that side, and build towards the front in such a manner as to enter upon the same sheet where they intend to deposit their stores, when they first

The bottom of the hive should slant downward from the front, so as to affird the greater facility to the bees to clear their tenement of all offensive substances, and let the water, which is occasioned by the breath and vapor of the bees, run off in cold weather. It also aids the bees very much in preventing the entrance of robbers.

The bottom board should be suspended by in order to make them profitable to their egress to the bees on all its sides, which will better enable them to keep their tenement clear of the moths.

> There should be a button attached to the lower edge of the rear of the hive, so as to enable the apiarian to govern the bottom board in such a manner as to give all the air they need, or close the hive at pleasure.

> The hive should have two sticks placed at equal distances, extending from front to rear, resting on the rear, with a screw driven through the front into the end of the stick, which holds it fast in its place, and a ventilator near the top of the lower apartment of the hive, to let off the vapor which trequently causes the death of the bees in the winter by freezing.

The door to the chamber should be made to fit in the rabitings of the same against the jams, in entrance of the little ants. It should also be hung by butts, or fastened by a bar, ronning vertically hives much less than the one already described dobut little else than raire young bees, and lay on a sufficient quantity of food to supply them through the coming winter, and are more little to the planed smooth, then scratched through the coming winter, and are more little. sough the coming winter, and are more liable to enable the hear to hald feet the little fidges, to enable the hear to hald feet enable the bees to hold fast, otherwise they may be robbed.

All hives of bees that swarm, are liable to induce them to leave the hive and fise to the fact that comb induce their colonies so low woods. That the inside of the hive should be of May to the 15th of July: in late seasone sent as numbers as to materially injure them, and is

adheres much more firmly to a smooth board than it does to the small fibres, or splinters which are left by the saw, and the comb is less likely to drop.

Sime good managers of bees, mended rubbing the inside of the sides of the hive with bees-wax, to enable the bees to hold fast until they had secured the comb at the top of the hive, where they always commence their labors. The old custom of washing the hives with salt and water, sweet heros, and other substances, to give a pleasant effluvia, should be speedily them abolished.

When bees die, the hive should be cleared of its contents, and scraped out, and the chamber rubbed with a cloth wet in clear water, then set in its place in the apiary, and there let it stand until wanted for use. An old hive thus prepared, is better than a new one for the reception of a swarm of bees. The task, which is aiduous and difficult in attaching the comb to the new wood, in this case, has been accomplished by the previous swarm.

Note -It is found by experiment that the combe in all hives, under two years old, that are robbed, die of starvation, or otherwise, may be preserved tor a new swarm, which forwards the labors of a new colony, nearly half, if the combs remain in a good state of preservation. The apiarian should examine before using, to see that the hive is clear from spiders and cobwebs.

There should be three sheet-iron slides, which answers for a whole establishment. One of which should be nearly as wide as the chamber, and one or two inches longer than the length of the cham-The other two should be the same length of the first, and half its width only.

All'hives, and all their appenlages, should be made exactly of a size, and shape, in the same apiary. The trouble of equalizing colonies is far less than it is to accommodate hives to swarms. Much preplexity, and sometimes serious difficulties occur, where the apiarian uses different sized hives, and drawers. But this part of the subject will be more fully discussed under its proper ruls.

A perfect snow-white is the best color for a be-All shades of colors are conductors of heat and cold, in proportion to their proximity towards a perfect black. It is better to let the hive remain the color of the wood than paint any shade of color, which may be the cause of melting the combs in summer, or freezing the bees in winter. To preserve the greatest uniformity of temperature in the hive, both summer and winter, the apiarian will find it for his interest to make all his hives of plank at least one and a half inch thick, or boards three-fourths of an inch thick, doubled in such a manner as to exclude insects from the joints.

RULE II.

On Swarming and Hiving.

The apiarian, or bee-owner, should have his readiness, and in their places in the hives in apiary, with the drawers in their chambers, bottom up, so as to prevent entrance.

When a swarm comes forth, and has alighted, cut off the limb, if convenient, (unless the hiver is used)—shake it gently, so we to disengage the bees, and let them fall gently on to the table, board or ground, (as the case may be,)—place the hive over them before many rise into the air, taking care at the same time to lay one or more sticks in such a manner as to raise the hive so as to give the bees rapid ingress and egress. If the bees act reluctantly in taking possession of their new habitation, disturb them by brushing them with a goose-quill or some other instrument not harsh, and they will soon enter. In case it is found necessary to invert the hive to receive the bees, (which is frequent from their manner of alighting,) then first secure the drawers down to the floor, by inserting a handkerchief or something above them: now invert the hive and shake or brush the been into it: now turn it gently right and up to the table, or other place, observing the rule aforesaid.

REMARKS.-Bees swarm from 9 o'clock in the morning to 3 o'clock in the afternoon on a fair day,