

The Apiary.

Bee-keeping in Scotland.

DURING a recent visit to Glasgow, I was attracted; by a magnificent display of top boxes of virgin honey in the window of Mr. Walker of Buchanan Street. On entering the shop I saw about sixty octagonal boxes each containing from 14 lbs. to 30 lbs of the finest virgin honey comb I had ever seen. There was not a single cell of pollen or bec-bread visible in any one of the boxes; and in excellence of color and regularity of comb I never saw the boxes equalled. They all came from the Ayrshire district, and were worked on octagonal hives made of half-inch pine. These hives are made in separate boxes for the purpose of being storified over one another. Each box contains about 800 cubic inches; two constitutes a hive in winter, but in the spring in order to prevent swarming, another box is added below, and sometimes even four are superposed. When the white clover comes into bloom, the top for receiving the virgin honey is put on, and Mr. Walker's exhibition shows with what effect. I was shown two top boxes taken successively from one hive, a third being partially filled. It must be borne in mind that the Ayrshire bee-masters are about the most skilled practical workers in the kingdom. They have no toolish prejudice for the old-fashioned moth-breeding straw skep; they know from experience that hives made of wood only half an inch part of Soctland, circumstances that would tell strongly on the honey harvest. W. B. Tequater in London Field.

attended with considerable labour and attenuou; son is over. You have taken away me noney, and better system of bee-keeping be adopted, it is necessary first, that the people become educated in regard to the nature and habits of the bee; secondly that better hives be obtained, hives such as give the apiatic perfect control of the bees, bee-comb, &c; and rian perfect control of the bees, bee-comb, &c; and thirdly that a winter management be adopted, one which will enable the apjarian to overcome the difficulties which are experienced in this cold climate As to the education of the people, the Canada Famer offers a medium through which it may easily be done. As regards the hives, none will ensure the end desi-As regards the inves, none will ensure the end desired, but those containing movable-comb-frames, of which several are already introduced into Canada. As regards winter management the plan spoken of on page 87, Canada Farmer for April 1st. 1864, involves the correct principle: but then, every bee-keeper has not an "old house" in which he does not himself live, and if he has, it requires that the hives he all removed and if he has, it requires that the hives he all removed from their stands in the fall, and replaced again in the spring. Yet the principle is correct. Keeping bees too warm, as in a cellar, creates uneasiness, causing them to consume honey, to the loss of the aplarian, and often to their own destruction by gener-

the congening of the breath of the hees, which cann at principle of tasking mives as a great improvement, escape, especially in most of the lives now in use I nor do we think our friend has made out a very To meet these difficulties something is needed; and strong esse against the boxes. We are inclined to I have as I think succeeded in overcoming them, by think that if , e were to give a really good modern means of a Combined Moveable-comb Bee Palace and Bee. Hive; for which Letters Patent have been applied for, and which will shortly be introduced to practice of killing the base Control of the bas applied for, and which will shortly be introduced to practice of killing the bees for their honey. to the public

to the public

I here subjoin an answer to "Question for BecKeepers," on page 88 of the Canada Farmer, viz:

"Why is it that bees will not always work and fill
the boxes placed on the top of bechives?" The
question is hardly definite enough to admit of an
exact reply, since the reason why bees will not work
in some boxes on one hive may not be reason why
bees will not work in others. I will therefore give
set and reasons why bees will not work in boxes. bees will not work in others. I will therefore give several reasons why bees will not work in boxes. There may be sufficient room for all the honey in the There may be sufficient room for all the honey in the body of the hive, and there are various causes for this. There may be a lack of heat in the boxes Sametimes the passage to the boxes is too small, and the workers are unwilling to enter when loaded. If allowed to finish work in a box, and cap over the cells before it is removed they will seldom enter another, thanking their work has ended above.

1. If THOMAS

Brooklin, C.W. April 12, 1861

Old-fashioned Bee Management.

To the Editor of The Canada Farmer.

Sir. -Of all the topics so ably treated in your valuable journal, the subject of practical (see keeping is the one most congenial to my taste, and I think that no country is better fitted than Canada to bring beekeeping to the greatest perfection, and to obtain a large return for the time and money invested. I have studied the habits of bees and experimented in order to find out the best mode of making them profitable thick, will enable their bees to stand the winter, if they have plenty of food stored for their support. Nor must the genial and equable character of the district pare overlooked. Ayrshire, as shown by recent meter overlooked. Ayrshire, as shown by recent meter or uniform summer temperature, than any other part of Soctiand, circumstances that would tell strongly on the honey harvest. W B Tequator in London Field. Defects in Bee Management.

To the Editor of The Canada Farmer:

Sir.—Having for some time devoted much attention to the nature, habits and wants, of the honey bee. I find the present system of hee-keeping, in Canada, very defective so far as I have been able to learn. Not only is there great ignorance with regard to the nature and habits of the bee, but the present system of management, especially vinter management, and the use of defective and awkward hives has led many persons to conclude that bee-keeping is an unprofitable business,—a certain failure.—True, some have met with comparative success but it has been attended with considerable labour and attention; more than many are able to devote thereto. That a are plenty of hives that are not worth killing, but are one queen can be in any live, he whole is dependent on her living. You have no change of queens in the latter method, unless she dies, and if this takes place in winter the whole colony will dwindle away. Of course, the small hives are subject to some casualties, but by carefully keeping hives that have young queens, they are not so liable, and even if some die have one to kill and two to keep over. The second year you commence with two to one of the bee-house keepers or on the patent hive plan

Hamilton, March 11th, 1861.

NOTE BY ED. CANADA FARMER. -Our correspondent is rather sweeping in his condemnation of patent hives and modern plans of bee-keeping. No doubt there have been many worthless hives which, by ample advertising and other means, have been made

ters, they are olding due consume more honey in order 1 keeping, well they old methods are to be always to keep up animal heat, and even then often pericipured We certainly regard the moveable-comb from cold and from ice collecting in the combs from cold and from ice collecting in the combs from principle of making hives as a great improvement, the congealing of the breath of the bees, which cannot be received as a great improvement.

~ +440pm+. How the Bees have Wintered.

To the Editor of THE CANADA FARMER.

Sin,-The past winter has been unusually ervere for bees. Spells of warm weather have been succeeded by periods of intense cold. The consequence has been that of twenty or thirty apiaries which I have visited in South Oxford and Norfolk during the past formight, only two or three have escaped without loss. Most unfortunate have been the patrons of a "patent" hive which was yended through this part of a "patent" hive which was vended through this part of the Province some two or three years since. Of these, some who had lust fall a stock of 20 to 40 families, find themselves this spring almost without any. The notably bad success of this hive causes it to merit description, as an illustration of what a hive should not be '- Three boxes—each containing about 1,000 cubic inches or one half of what Quinby says a hive should contain in lat. 42 "- are arranged upon one stand, with a space between them of say 2 inches. should contain in lat. 42 2 - are arranged upon one stand, with a space between them of say 2 inches, small tubes of wood or tin communicating between them for the passage of the bees. The consequence of this arrangement is, that while in warm weather, when the bees are lively, they can make their way to any part of the hive, and will probably fill two or three of the boves, as soon as cold weather approaches, they follow their natural instinct and clus ter into one of them for warmth, and after devouring for into one of them for warmth, and after devouring its contents, die of starvation, with an abundance of

the contents, die of starvation, with an administration honey frost-locked in the other apartments.

The only person using these hives that I have visited who escaped without loss, is Mr. R. Williams, just south of Mount Elgin, and his bees were in a tearn dry celler, only being brought out once during some fine day about midwinter, to allow a discharge of ac manualated faces. Mr. Schell of this place has wintered some 30 or 10 stock successfully in the open are but his hive is compact in its form, and thus or, but his hive is compact in its form, and thus conomizes heat, and places food within reach at all

Ingersoll, April 8, 1861.

Correspondence.

DEVON CATTLE. -John Laing, of Puslinch, wishes those who have had experience with Devons, to give their opinion of them through our columns, and particularly to state their dairy qualities.

PERENNIAL HYBRID CLOVER.-H. C. T. A. enquires, could you inform me where Perennial Hybrid Clover is to be had, and at what price."

ANS.-J. Fleming & Co., of this city, have it for sale at 20 cents per pound.

Rules of Measurement Engineed For .-- A correspondent asks: "How is hay in the bay or stack measured " Also, "The length, breadth, and depth of wheat in a grapary being given, how do you cal-culate the number of bushels."

WEIGHING CATTLE BY MEASURE .- We have received a number of communications on this subject, discussing the methods which have already appeared in our columns, and propounding new ones. It is impossible for all to appear just now, and in the meantime, we must "adjourn the debate."

AGRICULTURAL PAPERS IN NOVA SCOTIA AND NEW BRUNSWICK .- "George Young," of Ormstown, C. E., is informed that the Colonial Furner, published at Fredericton, N. B., is the only Agricultural paper in existence, so far as we know, in the Eastern Provinces mentioned by him. It is an excellent periodical of its class.

How to LAY DRAINS IN QUERSAND .- A correspondent asks, " What sort of drain will suit best in quicksand, where it will run in us fast as you dig it out? apiarral, and often to their own destruction by generating disease; also, the comb is liable to mould and become worthless. While on the other hand if kept too cold as when exposed unprotected from the sudden changes and extreme cold of our Canadian winders. The stream of water running from it would fill a bardly just to condemn them all We know no good described by those who have had experience in making such drains, reason why there is to be no advance in practical bee.