

erations in order to secure combs to store their crop. The loss is then threefold. There is the actual cost of the wax in honey consumption; the loss of time to the bees whose abdomens are full and that cannot harvest more until they can unload; and the loss in breeding caused by the filling of all available cells with honey, in the brood nest as well as the supers.

Some will say that such sudden crops are rare. Not in this part of Illinois. Our crops are sudden and short. We have weighed hives at times to ascertain the amount gathered each day, and we have several times noticed an increase of 18 to 19 pounds in one day. This weighing of colonies is not carried on as persistently on this side of the Atlantic as in Europe. The "Societe d'Apiculture pour la Suisse Romande" publishes statements every year of weights of hives regularly taken in different localities. Such a statement was published in the

December number of their Bulletin, from twenty-three different localities. Those reports show plainly how sudden crops may be. In some instances crops of 11 pounds are recorded following a day of entire failure. In one instance there is a record of 9, 10 and 11 pounds of increase for six or seven consecutive days. Bear in mind that these large crops are made with extracting supers filled with combs. I doubt very much if such crops would be possible if the bees had to build their combs, no matter how favorable the circumstances might be.

The reader knows that we are almost exclusively producers of extracted honey, but there was a time when we produced comb. I never could secure results at all adequate when the bees had to build their own combs. At one time we had an apiary of 87 colonies with all supers full and the crop still on. We went to extracting and took off about 5,000 pounds in three days; at the end of the

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third day we extracted two and did not have a surplus. I would have those bees to amount if they combs. Yet because the bees retain honey and do not digest it, while if they would have been

I have never had instances where it was not advisable as possible. I am an apiarist of 100 colonies from civilization means of transportation to secure more than one pound for his labor. I am able to have the combs converted into the combs and build. The one of Phillips on Harlowe, Bureau of Entomology, is a very interesting status of apiculture. It appears that the bees there is from all kinds, but dark is so inferior and suggests that it honey transform

But in our case to economize the wax I do not have very positive testimony to "Cleanings" for 1902, Mr. Louis accidentally supplied colonies with supers while a similar one were supplied with the latter yielded a colony more than the excess of honey in full sheet

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