

I think not. If we have gained the editor's confidence somewhat by writing some articles that are worthy of publication we have no right to abuse that confidence by trying to smuggle in a spoiled fish now and then. I would not read an article written by a person who thought he was so infallible, that anything that dropped from his pen must not see the waste-basket. Boys don't try to degrade one kind of honey, because you want to boost the kind you raise. It takes a long time to form public opinion, but when once prejudiced you need not think you can undo the mischief in a hurry. It is by taking precaution that we sail clear of the rocks. With the ten thousand publications in this country ready and eager to catch every sensation, a man should be very careful what ideas he sets afloat which might tend to prejudice the public against any part of our apian products. Boys, if you like to raise comb honey talk and write in its favor all you can, but don't try to degrade extracted honey. Lift your business in this way and others will help you lift it. Push down any part of our business and others will help you push it down, and they won't let go when you tell them so either. They will push it down to your hearts content if you set them the example. Follow the one course and in a few years there will be no trouble to sell honey in any shape, but follow the reverse and there will soon be no demand for any kind of honey.

JOHN F. GATES,

Ovid, Erie Co., Pa., June 3rd, '89.

FOR THE CANADIAN BEE JOURNAL.

#### Temperature of Brood Nest in Winter. Reply to W. Z. Hutchinson.

**I** LIKE a true citizen of the United States the above writer on page 945, Feb. 20, 1889, gives a very vivid illustration in evidence of my impeachment, about them having no time to correct themselves. He says: "If this Hallamshire bee-keeper" will turn to page 74 of the Review he will see, if he has time to read carefully, that this 65° occurs in a quotation from Mr. Cheshire's work and it is given as such and marked with quotation marks while I refer to it in a manner to lead the reader to believe that it was given as the views of the Review. I did nothing of the kind as all may see if they will turn up the JOURNAL for Feb. 6th. Then he says he is prepared to defend 65° as the normal temperature of the inside of a colony of bees in winter.

Why does he now say "in winter" and put it in italics. I said "brood nest" and what bee-keeper in his senses wants a brood nest in win-

ter? Or does he make this blunder because he had not "time" to read "carefully" what I wrote. Let me quote the whole paragraph on page 74 of the Review as follows:

"In the April Review Mr. Heddon advised thin packing in the spring in order that the bees might receive warmth from the sun. Upon this point Mr. Cheshire says: "The idea that thin walls are superior to thick because the sun's heat passes through, to warm the bees is certainly inaccurate. If the transitory advantage existed it would be at the cost of constant loss, but it does not exist. Bees maintain 65° and must uninterruptedly, though very slowly, lose heat through the hive walls until this be- reached, but before then the bees would be in full flight, and beyond the need of sun-warming."

Now does not every normal stock have a brood nest in spring; if so, then the temperature of that brood nest is 95° and not 65°. Clearly spring or early summer is referred to by both Hutchinson and Cheshire and I call on the former to stand up to plead guilty that he had not "time to read carefully" what he had in hand. I am not going to defend Cheshire; he makes mistakes like everyone else, but I do give him credit for knowing the correct temperature of the brood nest. "65°" was evidently a printer's error, which would never have done any harm if left in Cheshire's book.

He says "Mr. Cheshire was speaking of winter or spring and knew what he was talking about." No doubt he did, but clearly he was not speaking of, or referred to winter, or why does he talk of bees being in "full flight, and beyond the need of sun-warming." Mr. Hutchinson knows bees are not in "full flight" "in winter," or beyond the "need" of sun-warming.

What is his object, pray, in trying to make out something different from the true facts. No honest man would do this or insinuate that the man who hit him with a "random shot" was a "coward" or "sneak" and put the words in italics too. If I live and all goes well he will find that I am neither the one nor the other I guess; but I am not going to drop my *nom de plume* and be mistaken for one of those who prostitute their names for lucre. True Britons have always avoided this. Take the late Mr. T. W. Woodbury who carried on a large supply trade, and always signed his articles "A Devonshire Bee-keeper." "A Lanarkshire Bee-keeper," another comes the temperature of the external air. Those therefore in the thicker hives will be warmer until this external temperature is supply dealer, who made and sold foundation ten years before it could be made across the