

door colonies we save in bees when wintering in the cellar, and these indoor colonies, if in the cellar until the weather conditions become settled start work at once when eventually put out, and suffering no checks, rapidly build up into big, strong, surplus gathering colonies. Last winter we lost ten colonies out of doors and none in the cellar, a proof that it is worth something at times to be able to control wintering conditions.

Bedford, Que.

### "KEEP BETTER BEES"

indexed

By Joseph Gray.

Before the arrival of the C. B. J. I had been thinking of L. Hutchinson's slogan "Keep More Bees." Now comes A. B. Jarratt with "Keep Better Bees" and a still more recent slogan "Keep Bees Better."

The very interesting description of A. B. Jarratt's stock headed with a black queen make one think he is content on one point, viz., honey production, and if that point alone was to be considered he could increase the quality of his yard by two years breeding from that particular queen, the first year to produce queens for drone production, the second year to produce queens to mate with those drones. But he says he needs "better bees" in temper, and I suppose that his choice of Italian stock rests upon the assumption that Italians offer greater resistance to E. F. B.

### How to Get Better Bees.

If one trader has sent you virgins and treated you in an unbusinesslike way what about the one who sent you nine fine large queens? Honest goods can alone build up the reputation of the queen-breeders, be they private individuals or companies. Puff advertisements will not do. There must be a conscientious endeavor to keep better bees, and

pass on this standard of excellency to your customer.

Queens are not manufactured but bred, and I doubt if A. B. Jarratt would get any better delivery so early in the season if an Ontario Queen Co. were formed. Even in the land of the Western Sunset, which is ahead of you for queen-raising in spring we often have to wait over a fortnight for the virgin to become a laying queen so early in the season. It's patriotic to form a company in your own province, but I fail to see where any better service could result therefrom. A. B. Jarratt had one remedy and that was to place his order early, and I venture to say that the breeder who values his reputation will deal honestly with him and not take his order if he cannot fulfil by date named.

### Keep Bees Better

There is a wealth of thought in Miss Robson's statement "Instinct acquired by living with the bees." The passage of arms "Instinct versus System" between Miss Robson and Mr. Hand is interesting. Where would system be without instinct? Is not system the outcome of instinct? I well remember the Geary System coming up in the old country. It was claimed that a child could manipulate the slides. Yes, so it could but it required all the instinct of the experienced bee-keeper to tell when to manipulate them, and to work the system just right. Where is the Geary today? On the scrap-heap. All that was claimed for the Geary, all that is claimed for the Hand system, can be done by the bee-keeper who works his stocks in pairs a la Dr. Miller, and who has acquired instinct by living with the bees.

But it is to the enthusiasts that we owe progress, and in Mr. Hand's system he has made an advance on the Geary in that it needs only new bottom boards instead of new hives.

"The best laid plans of mice and men,  
Gang aft agley."

### Drone Par

The Editor is correct C.B.J. page 227. "The sect resulting from the single germ 'cell.' A tor, seeing that the a single germ cell, the of the preceding sire, at first in lineal ancestry, sire is second in lineal duces only quarter-blood error in friend Hand's "Only one parent" is real breeding therefore We are so accustomed descent in stock breeding most impossible to app with an open mind. is only one parent, lite two. The male influence generation is equal fluence of the present g other stock breeding.

"Son of his grandfather logical. Shure, he's his logical. The drone has but one present generation, i.e. ther; his sire dates back ing generation, the sire's transmitted to him in through the queen mother Wasco, Cal.

### indexed LINE BREEDING

By Joseph Gray

On page 316 Mr. Hand marks re "Line Breeding" "we should not pin our scientists." I certainly w that I quoted from any b scientists.

### The Drone is not the Pro Mother

I have not the precedin me for reference, but if the I stand corrected. The very drone has but one parent o