

brood" is an entirely different disease to that which our European cousins have to deal with. While the evidence to hand seems to make it clear that there are two different diseases, yet it seems ridiculous to assume that there is no genuine foul brood in Europe.

In connection with this matter, Mr. C. P. Dadant had an excellent article in a recent issue of the A. B. J., which should prove to the satisfaction of the most doubtful that notwithstanding all claims to the contrary, the "foul brood" of Europe and America are identical. Of much more practical interest to the bee-keeper and scientist is the recent claim that foul brood is not caused by bacillus alvei. On the contrary, said bacillus is found in "black brood," but not in genuine foul brood, the assumption being that Cheshire was mistaken in his diagnosis and had samples of "black brood" instead of foul brood when making his experiments. If bacillus alvei does not cause foul brood, what is the guilty agent? When "doctors disagree the patient dies," so, in the interests of the bee-keeping fraternity, the sooner these things are investigated satisfactorily the better for all concerned.

#### Early Packing For Winter.

When reading your editorial in November C. B. J. relative to Mr. Alpaugh's system of outdoor wintering, was reminded that during friend Alpaugh's visit with me last August, that next to abundance of stores he classed "early packing" as the essential for good wintering. He told me that in different years he had packed three apiaries as follows: First week in October, first week of November, and during the latter part of November. With conditions as nearly identical as possible every time, bees wintered from good to bad in proportion to the time of the year they were

packed. If possible, he would have all colonies ready to be left alone after October 1st. If there is anything in early preparation I should have the benefit of it this year, as "all my bees were packed by October 15th. Another item in connection with outdoor wintering is given by Allen Latham in different journals, and has caused me some anxiety. He states that if colonies have entrances of hives contracted to one side—if the clusters are formed at opposite side of the hive to where entrance is open—that such colonies will perish nearly every time.

As we happened to do that with one yard this fall, have been wondering if Mr. Latham's claims are right or not. At any rate, believe I will change at least part of the hive entrances and note results. Might say, for benefit of any who may not have read Mr. Latham's article, that the reason advanced for mortality in hives with entrance to one side is lack of ventilation, Mr. Latham asserting that if left to themselves bees always cluster directly above and in front of entrance to ensure perfect ventilation of the hive.

#### Cleaning Pollen-clogged Combs.

The plan of cleaning combs of pollen, as given in November C. B. J., viz., soaking the combs in water for three or four days, and then syringing the pollen out, will no doubt work all right, but to my mind it is too slow and laborious a process. It is about on a par with the recipe for killing potato bugs for which a farmer paid one dollar, in response to an advertisement in a local paper. He received by mail two small blocks with the following printed instructions: "Place bug between the two blocks and squeeze; remove bug and proceed as before."

#### Quali

E. W. Alpaugh's vines keepin then pouring the wax, th used for st spring. He than using making vine opinion vineg equal to that there has b different in t gar Mr. Alexi compared wit ples it has be At any rate, who have be after tasting having the lat Possibly buck an inferior vin experience, car ter; but I pos ings from clov an almost w beautiful flavor jority of testers store where the bled over that vinegars comb

#### Honey in

In October 18 France, among c ollent article, s than enough ho early in July tha er a colony. rather unorthodo an extensive eeper, he certai talking about, at one thing is sure, large hive to h possible; even th account to a gr at bees will sto when there is no a brood-nest.