larvae which have died of this disease have a very characteristic odor which resembles a poor quality of glue. This disease seldom attacks drone or queen larvae. It appears to be much more virulent in the western part of the United States than in the East.

European Foul Brood.

European foul brood (often called "black brood") is not nearly as widespread in the United States as is American foul brood, but in certain parts of the country it has caused enormous losses. It is steadily on the increase and is constantly being reported from new localities. It is therefore desirable that bee-keepers be on the watch for it.

Adult bees in infected colonies are not very active, but do succeed in cleaning out some of the dried scales. This disease attacks larvae earlier than does American foul brood, and a comparatively small percentage of the diseased brood is ever capped. The diseased larvae which are capped over have sunken and perforated cappings. The larvae when first attacked show a small yellow spot on the body near the head and move uneasily in the cell. When death occurs they turn yellow, then brown, and finally almost black. Decaying larvae which have died of this disease do not usually stretch out in a long thread when a small sick is inserted and slowly removed. Occasionally there is a very slight "ropiness." but this is never very marked. The thoroughly dried larvae form irregular scales which are not strongly adherent to the lower side wall of the cell. There is very little odor from decaying larvae which have died from this disease, and when an odor is noticeable it is not the "glue-pot" odor of the American foul brood, but more nearly resembles that of soured dead brood. This disease attacks drone and

queen larvae very soon after the where disease is ony is infected. It is as a rule haking of the bee more infectious than American be done at a til brood and spreads more rapidly ees in the apiary the other hand, it sometimes has spread diseas. that the disease will disappear This can be done own accord, a thing which the after bees have never knew to occur in a genuir by during a good of American foul brood. Europe re should be exercised is most destructive during the material away spring and early summer, offs till it can be con most disappearing in late summ or the combs r_{ϵ} autumn.

The treatment for both An igh heating is us. foul brood and European foul balar wax extractor. foul broad and European roll is implied wax extractor.

practically the same. It is implied is a prevent burning to give minute directions to prevent burning every case, but care and comma by sterilized by h will enable any bee-keeper sum at half an hour, if to fight diseases of brood.

Drugs-Drugs, either to be good, it should be rectly in food or to be used for saned, and special (gating combs, cannot be recom for either of these diseases.

Shaking treatment.—To cure equently necessary ony of either form of foul by shaking h necessary first to remove from all of the infected material. done by shaking the bees into or must determine hive on clean frames with small cessary, but when of foundation, care being tal infected honey does not drop! father than run th infected combs. The healthy the infected combs may be sa vided there is enough to make the from deserting t itable, by piling up combs from the queen may eral infected hives on one of t est of the diseased colonies. week or ten days all the boot with bee esca is worth saving will have he g treatment may h at which time all these come it instead of shak be removed and the colony the he combs the hive i the case of box hives or skept and, and in its place may be drummed out into an or preferably into a hive with frames. Box hives are hard ve, and the field h for disease and are a men

ees in the neigh Wax from diseas Treatment of Infectious Disse e rendered by son to the bees. If that no infected left in the hive.

> bundation in new f five days. The l it is safer to re a. If repeated, the uld be destroyed. or a queen-exclud entrance.

ames and foundation is at once transfe