The Ants,

be

In a recent book on the Origin of Species, Mr. Darwin, an eminint English naturalist, gives some account of two species of ants, whose custom it is to make alves of other species, Of these slave-making ants there are two species, which differ in some respects in their restment of and dependence on their slaves. One is the red ant, formica rubeiens, which inhabits Switzerland, and whose habits were observed by Huber, a son of the colebrated observer of bees. "This ant," saya Darwin, "is absolutely dependent on its alaves; without their aid the species would certainly become extinct in a single year. The males and fertile females do no work. The workers, or sterile females, though most energetic and corrageous in capturing laves, do no other work. They are incepable of making their own nests or of feeding their own larva. When the old event in found inconvenient, and they have to migrate, it is the slaves which determine the migration and actually carry their masters in their jaws.

So utterly helpless are the masters, that when Huber slut up thirty of them without a slave, but with plenty of the food they like best, and with their larvee, on purpose to stimulate them to work, they did nothing. They could not feed themselves, and many perished of hunger. Huber then introduced a single slave, and she instantly set to work, fed the survivors, made some cells, and tended the larve, and put all to rights."

The other species, the bloody ant, formica sanguinea, is found also in England, and was observed by Darwin himself as well as by Huber. Says Darwin, "males and fortile females of the slave species are found only in their proper communities, and have aveer been observed in the nests of F. Sanguinea.— *The slaves are blacks*, and not above half the size of their red masters, so that the contrast in their appearance is very great.

When the next is slightly disturbed, the slaves occasionally come out, and like their masters, are much agitated and defend the next; when the the next is much agitated, the slaves work energetically with their masters in carrying them away to a place of safety. They are considered by observers as "strictly household slaves." This species differs from the other, in doing something to get their own living and in protecting the nexts. "The masters," says Darwin, "umy be constantly seen bringing in materials for the rest, and food of all kinds."

Sometimes the slave communities resist the filbuster attacks of the masters. Darwin saw a body of the latter, who approached a ness of the former, vigorously repelled by an independent community of the slave species. Many of the latter were killed and earried away as food, but the attempt to get any of the punne. to rear as slaves, fulled.

as root, but the steam to give any of the pupe, to rear as shares, failed. There is another species, the yellow ant, which, though small, is very courageous, and attacks courageously its big neighbors. The latter have learned to distinguish the pupe of the yellow ants, and appeared much terrified whon they came across it, or even the earth from the nest of the yellow ant, and quickly ran away; but after the yellow ants had crawled away, they took heart and carried off, the pupe.