batched all the eggs but one; which, with all the young ones, except the cuckoo, was turned out of the nelt. The young birds, conflitting of five, were found upon a rafter that projected from under the thatch, and with them was the egg, not in the least injured. On examining the egg I found the young wagtailit contained quite perfect, and just in such a state as birds are when ready to be disengaged from the shell. The cuckoo was reared by the wagtails till it was nearly capable of siying, when it was killed by an accident.

Example III.

A hedge sparrow built her nest in a hawthorn bush in a timber yard; after she had laid two eggs, a cuckoo dropped in a third. The sparrow continued laying as if nothing had happened, till the had laid five, her usual number, and then sat.

June 20, 1786. On inspecting the nest I found, that the bird had hatched this morning, and that every thing but the young cucioos was thrown out. Under the nest I found one of the Redge sparrows dead, and one egg by the fide of the neft entangled with the coarle woody materials that formed its outfide covering. On examining the egg, I found one end of the the firell a little cracked, and could fee that the sparrow it contained was yet alive. It was then reffered to the neft, but in a few minutes was thrown out. The egg being again suspended by the outside of the nest, was faved a second time from break. ing. To see what would happen if the cuckoo was removed, I took out the cuekoo, and placed the egg containing the hedge sparrow in the nest in its stead. The old birds, during this time, flew a. bout the spot, showing signs of great anxiety; but when a withdrew, they quickly came to the nest again. On looking into it in a quarter of an flour afterward, I found the young one completely hatched, warm and lively. The hedge sparrows were suffered to remain undiffurbed with their new charge for three hours (during which time they paid every attention to it) when the cuckoo was again put into the The old sparrows had been so much nest. disturbed by these intrusions, that for some, time they showed an unwillingness to come to it: however, at length they came, and and on examining the nell again in a few minutes, I found the young sparrow was tumbled out. It was a second time resto. red, but experienced the same sate,

From these experiments, and supposing, from the feesle appearance of the young euckeo just disensing the from the shell, that it was utterly incapable either of removing the egg of the young sparrows, I was indu-

ced to believe, that the old sparrows were the only agents in this seeming unnatural business; but lasterwards clearly perceived the cause of this strange phanomenon, by discovering the young cuckoo in the act of displacing its sellow nealings, as the sollowing relation will evince.

June 18, 1787, I examined the neft of a hedge-sparrow, which then contained a cuckoo's and three hedge sparrow's eggs. On inspecting it the day following, I found the bird had hatched, but that the nest now contained only a young cuckoo and one young hedge-sparrow. The nest was placed so near the extremity of a hedge, that I could distinctly see what was going forward in it; and, to my assorishment, saw the young cuckoo, though so newly hatched, in the act of turning out the young

hedge-sparrow,

The mode of accomplishing this was very curious. The little animal, with the affiftance of its rump and wings, contrived to get the bird up n its back, and making a lodgment for the burden by elevating its. elbows, clambered backward with it up the fide of the nest till it reached the top. where resting for a mement, it threw off. its load with a jerk, and quite difengaged it from the neft. It remained in this lituation a short time, seeling about with the extremities of its wings, as if to be convinced whether the butiness was properly executed, and then dropped into the nest again. With these (the extremities of its; wings) I have often feen it examine as it were, an egg and nestling before it began its operation; and the nice sensibility which these parts appeared to possess seemed sufficiently to compensate the want of fight, which as yet it was destitute of. afterwards put in an egg, and this, by a fimilar process, was conveyed to the edge of the nest, and thrown out. These experiments I have fince repeated feveral times in different nefts, and have always found the young cuckoo disposed to act in the same manner. In climbing up the nest, it fometimes drops its burden, and thus is foiled in its endeavours; but, after a little respite, the work is resumed, and goes on almost incessantly till it is effected. It is wonderful to fee the extraordinary exertions of the young cuckeo, when it is two or three days old, if a bird he put into the nell with it that is too weighty for it to list out. In this state it seems ever restless and uneafy. But this dispesition for turning out, its companions begins to decline from the time it is two or three till it is about twelve days old, when, as far as I have hitherto feen, it ceafes. Indeed, the disposition for throwing out the egg appears to cease a sew days somer; fir I