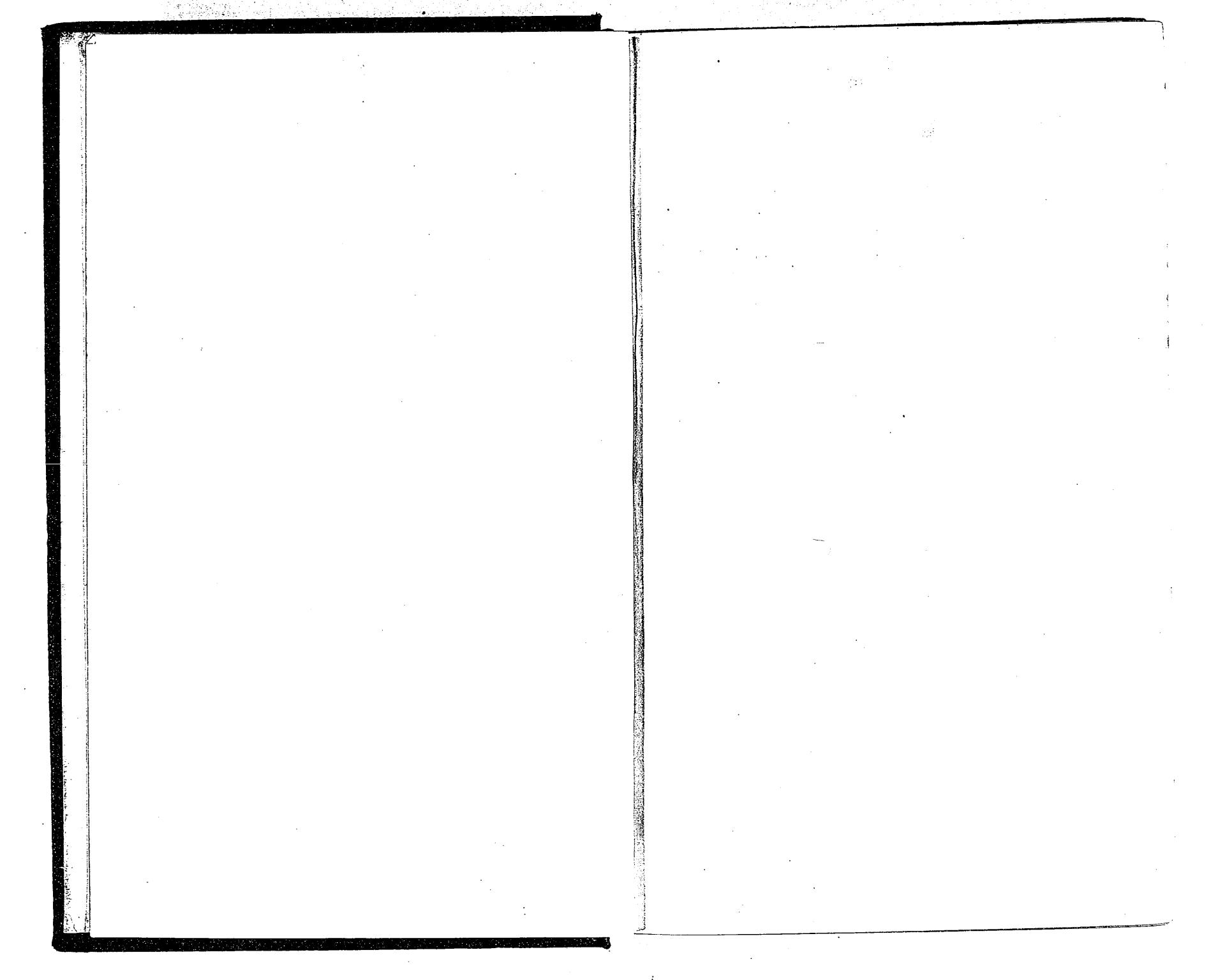
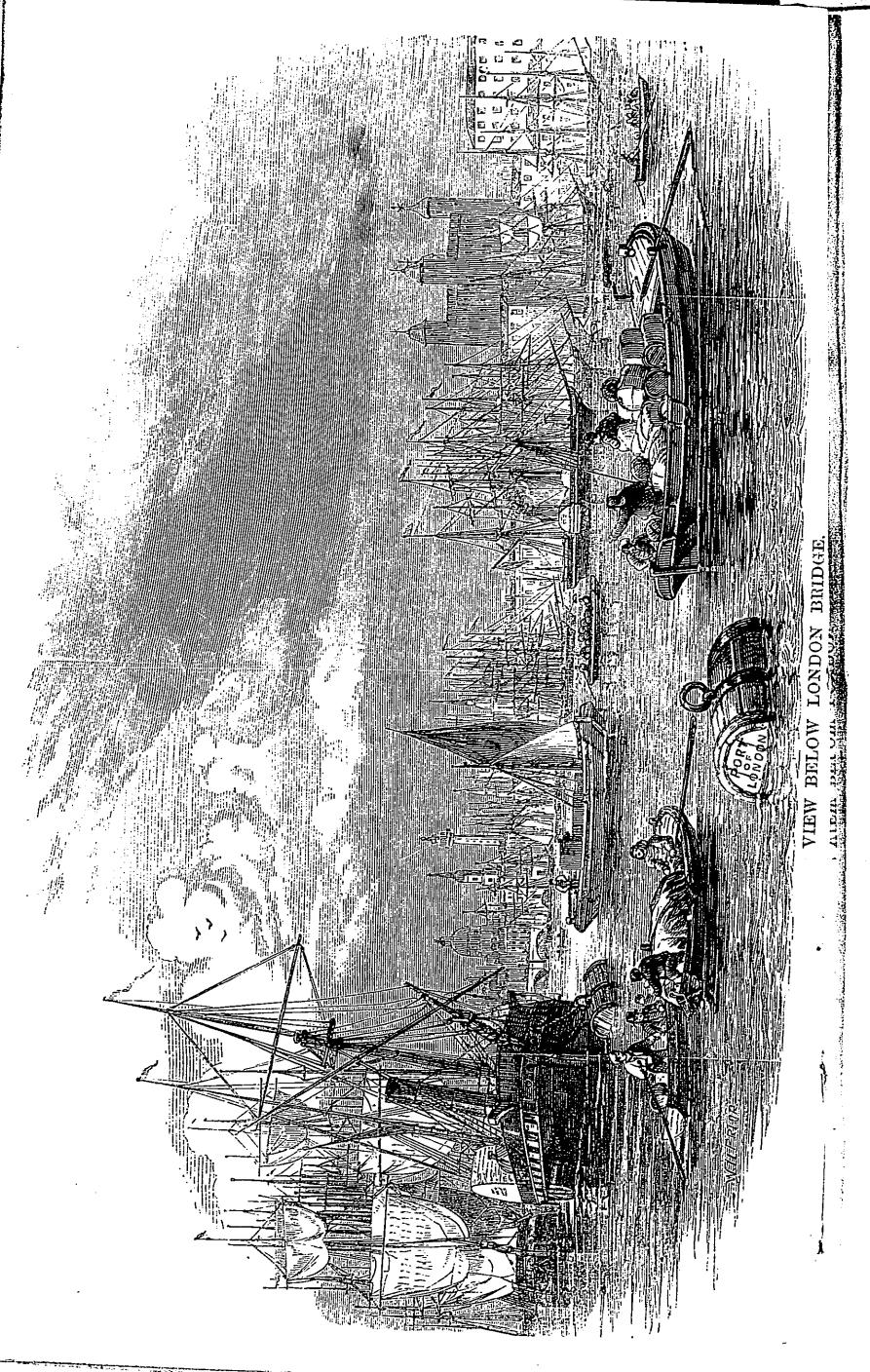


LONDON LABOUR

AND THE

LONDON POOR.





LONDON LABOUR AND THE LONDON POOR:

THE CONDITION AND EARNINGS OF

THOSE THAT WILL WORK, CANNOT WORK, AND WILL NOT WORK.

HENRY MAYHEW.

VOL. III.

CHARLES GRIFFIN AND COMPANY,
STATIONERS' HALL COURT.

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LONDON LABOUR AND THE LONDON POOR.



STREET PORTER WITH KNOT.

[From a Photograph.]

LONDON LABOUR

AND

LONDON POOR. THE

THE DESTROYERS OF VERMIN.

THE RAT-KILLER.

IN "the Brill," or rather in Brill-place, get 'em. Somers'-town, there is a variety of courts one of the most angular and obscure of these is | shells, and the other eels; these are the comto be found a perfect nest of rat-catchers—not modities in which he deals at present, so that altogether professional rat-catchers, but for he is properly what one would call a "pickledthe most part sporting mechanics and coster- | eel seller." mongers. The court is not easily to be found, We found his room on the first-floor clean being inhabited by men not so well known in and tidy, of a good size, containing two bedthe immediate neighbourhood as perhaps a steads and a large sea-chest, besides an oldmile or two away, and only to be discovered by fashioned, rickety, mahogany table, while in a the aid and direction of the little girl at the far corner of the room, perhaps waiting for the neighbouring cat's-meat shop.

usual disturbance at the entrance. I found leads, made of strong leather, and ornamented one end or branch of it filled with a mob of eager | with brass. Against one side of the wall were listeners, principally women, all attracted to a two framed engravings of animals, and a sort particular house by the sounds of quarrelling. of chart of animated nature, while over the One man gave it as his opinion that the dis- mantel-shelf was a variety of most characterturbers must have earned too much money istic articles. Among these appeared a model yesterday; and a woman, speaking to another of a bull-dog's head, cut out of sandstone, and who had just come out, lifting up both her painted in imitation of nature—a most marhands and laughing, said, "Here they are—at vellous piece of ugliness. "He was the best it again!"

was out at his stall in Chapel-street when we as worked in the New Road took and made called, but his wife soon fetched him. He was this model—he was a real beauty, was that dog. a strong, sturdy-looking man, rather above the The man as carved that there, didn't have no middle height, with light hair, ending in sandy difficulty in holdin' him still, becos he was very whiskers, reaching under his chin, sharp deep- good at that sort o' thing; and when he'd set eyes, a tight-skinned nose that looked as if looked at anything he couldn't be off doin' it." the cuticle had been stretched to its utmost on | There were also a great many common tion, a dark blue Guernsey drawn over his ratting-a game cock, two Robinson Crusoes, waistcoat.

rats were not his only diversion; and in con- favourite dog which he'd "had give him." sequence he took us into the yard of the house,

I not belong to him, but he said he did a good deal in the way of curing dogs when he could

On a shelf in this shed were two large branching out into Chapel-street, and in dishes, the one containing mussels without the

cold weather and the winter's fire, was an arm-My first experience of this court was the chair. Behind the door hung a couple of dogdog I ever see," said the host, "and when I parted with him for a ten-pound note, a man

its bridge. He was dressed in the ordinary prints about the walls, "a penny each, frame corduroy costermonger habit, having, in addiand all," amongst which were four dogs—all and three scripture subjects.

The man's first anxiety was to show us that There was, besides, a photograph of another

The man apologised for the bareness of the where in a shed lay a bull-dog, a bull-bitch, room, but said, "You see, master, my brother and a litter of pups just a week old. They did went over to 'Merica contracting for a railway

under Peto's, and they sends to me about a gone to America, and taken a contract for a year ago, telling me to get together as many railway at St. John's, New Brunswick, British likely fellows as I could (about a dozen), and North America. I can do anything in the take them over as excavators; and when I was | eshkewating way-I don't care what it is. ready, to go to Peto's and get what money I wanted. But when I'd got the men, sold off went to Billingsgate, and bought anythink I all my sticks, and went for the money, they could see a chance of gettin' a shilling out on, told me my brother had got plenty, and that if or to ards keeping my family. he wanted me he ought to be ashamed of | "All my lifetime I've been a-dealing a little hisself not to send some over hisself; so I in rats; but it was not till I come to London just got together these few things again, and I that I turned my mind fully to that sort of ain't heard of nothing at all about it since."

collector of dog-tax, trying to find out how any on us was in the country, and the farmers many animals he kept, he gave me what he wanted us to, we'd do it. If anybody heerd evidently thought was "a treat"—a peep at tell of my being an activish chap like, in that his bull-dog, which he fetched from upstairs, sort of way, they'd get me to come for a day and let it jump about the room with a most or so. unpleasant liberty, informing me the while | "If anybody has a place that's eaten up as quietly as a man would a woman in a pas- | you get for the job. sion, and only went at her just to save his eyes. But you couldn't easy get him off, mas- for 5s. or 7s.—it all depends; you can't get ter, when he once got a holt. He was a good | them all at one price, some of 'em is real one for rats, and, he believed, the stanchest and cowards to what others is; some won't even tricksiest dog in London."

made the following statement:—

at these lodgings, and five year in London one on 'em, why he ain't worth a farden. altogether up to last September.

sir - a labouring man, an eshkewator. I come | I've had them get loose; but, bless you, they to London the same as the rest, to do anythink | do no harm, they're as hinnocent as cats; they I could. I was at work at the eshkewations at | won't hurt nothink; you can play with them man in London, I think.

large family, thought I'd do the best I could, and nothink else. so I went to be foreman at the Caledonian Sawn.ills. I stopped there a twelvemonth; but square; there was a shore come right along, one day I went for a load and a-half of lime, | and a few holes - they was swarmed with 'em and where you fetches a load and a half of lime | there - and didn't know how it was; but the they always gives you fourpence. So as I was | cleverest men in the world couldn't ketch

by and saw me drinking, and give me the down the hole into the shore, and no dog could sack. Then he wanted me to ax his pardon, get through a rat-hole. and I might stop; but I told him I wouldn't beg no one's pardon for drinking a pint of beer | business. If any gentleman comes to me and as was give me. So I left there.

"Ever since the Great Western was begun, stroyed, I does it. my family has been distributed all over the "In the country they give you fourpence a country, wherever there was a railway making. rat, and you can kill sometimes as many in a My brothers were contractors for Peto, and I farmyard as you can in London. The most I

"After I left the Caledonian Sawmills I

thing. My father always had a great notion After I had satisfied him that I was not a of the same. We all like the sport. When

how he had given five pound for him, and with rats, I goes and gets some ferruts, and that one of the first pups he got by a bull he takes a dog, if I've got one, and manages to had got five pounds for, and that cleared him. kill 'em. Sometimes I keep my own ferruts, "That Punch" (the bull-dog's name), he said, but mostly I borrows them. This young man " is as quiet as a lamb-wouldn't hurt nobody; | that's with me, he'll sometimes have an order I frequently takes him through the streets to go fifty or sixty mile into the country, and without a lead. Sartainly he killed a cat the then he buys his ferruts, or gets them the t'other afternoon, but he couldn't help that, best way he can. They charges a good sum 'cause the cat flew at him; though he took it for the loan of 'em-sometimes as much as

"You can buy ferruts at Leadenhall-market kill a rat. The way we tries 'em is, we puts When he had taken the brute upstairs, for | 'em down anywhere, in a room maybe, with a which I was not a little thankful, the man | rat, and if they smell about and won't go up to it, why they won't do; 'cause you see, "I a'n't a Londoner. I've travelled all sometimes the ferrut has to go up a hole, and about the country. I'm a native of Iver, in | at the end there may be a dozen or sixteen Buckinghamshire. I've been three year here rats, and if he hasn't got the heart to tackle

"I have kept ferruts for four or five months "Before I come to London I was nothink, at a time, but they're nasty stinking things. King's Cross Station. I work as hard as any like a kitten. Some puts things down to ketch rats - sorts of pison, which is their secret-"When the station was finished, I, having a but I don't. I relies upon my dogs and ferruts,

"I went to destroy a few rats up at Russellhaving a pint of beer out of it, my master come | many there, 'cause you see, master, they run

> "I couldn't get my living, though, at that says he wants a dog cured, or a few rats de-

generally worked for my brothers; but they've ever got for destroying rats was four bob, and

holes good, and there was no more come.

selves general dealers, but I doesn't. I goes to | dusky scales, thinly interspersed with short market, and if one thing don't suit, why I buys another.

"I don't know whether you've heerd of it, master, or not, but I'm the man as they say kills rats—that's to say, I kills 'em like a dog. I'm almost ashamed to mention it, and I shall never do it any more, but I've killed rats for a wager often. You see it's only been done like for a lark; we've bin all together daring one another, and trying to do something as nobody else could. I remember the first time I did it for a wager, it was up at ----, where they've got a pit. There was a bull-dog a killing rats, so I says,

"'Öh, that's a duffin' dog; any dog could kill quicker than him. I'd kill again him my-

self.'

"Well, then they chaffed me, and I warn't goin' to be done; so I says, "'I'll kill again that dog for a sov'rin.'

"The sov'rin was staked. I went down to kill eight rats again the dog, and I beat him. I killed 'em like a dog, with my teeth. I went down hands and knees and bit 'em. I've done it three times for a sov'rin, and I've won each itself, is dreaded by those of its own species as time. I feels very much ashamed of it,

though. "On the hind part of my neck, as you may see, sir, there's a scar; that's where I was bit have been devoured in their holes have freby one; the rat twisted hisself round and quently been found curiously turned inside held on like a vice. It was very bad, sir, for out, every part being completely inverted,

or twice, but it's all right now."

RATS.

"THE rat, though small, weak, and contemptible in its appearance, possesses properties inveterate enemies, that take every occasion to that render it a more formidable enemy to destroy them. Mankind have contrived varimankind, and more injurious to the interests ous methods of exterminating these bold inof society, than even those animals that are truders. For this purpose traps are often endued with the greatest strength and the found ineffectual, such being the sagacity of most rapacious dispositions. To the one we the animals, that when any are drawn into can oppose united powers and superior arts; the snare, the others by such means learn to with regard to the other, experience has con- avoid the dangerous allurement, notwithvinced us that no art can counteract the standing the utmost caution may have been effects of its amazing fecundity, and that used to conceal the design. The surest meforce is ineffectually directed against an animal possessed of such variety of means to

country, - the black rat, which was formerly tual. universal here, but is now very rarely seen, having been almost extirpated by the large the Norway rat; its head larger and its nose brown kind, which is generally distinguished thicker; its eyes are small; its ears short; by the name of the Norway rat.

whence every method has been tried in vain mon rat, and chiefly of a dark brown colour to exterminate it. This species is about nine mixed with red; the belly is grey; the tail five inches long, of a light-brown colour, mixed inches long, covered with short black hairs, with tawny and ash; the throat and belly are and the tip with white.

then I filled up the brickwork and made the of a dirty white, inclining to grey; its feet are naked, and of a pale flesh-colour; the tail is "I calls myself a coster; some calls their- as long as the body, covered with minute hairs. In summer it frequents the banks of rivers, ponds, and ditches, where it lives on frogs, fishes, and small animals. But its rapacity is not entirely confined to these. It destroys rabbits, poultry, young pigeons, &c. It infests the granary, the barn, and the storehouse; does infinite mischief among corn and fruit of all kinds; and not content with satisfying its hunger, frequently carries off large quantities to its hiding-place. It is a bold and fierce little animal, and when closely pursued, will turn and fasten on its assailant. Its bite is keen, and the wound it inflicts is painful and difficult to heal, owing to the form of its teeth, which are long, sharp, and of an irregular shape.

"The rat is amazingly prolific, usually producing from twelve to eighteen young ones at one time. Their numbers would soon increase beyond all power of restraint, were it not for an insatiable appetite, that impels them to destroy and devour each other. The weaker always fall a prey to the stronger; and a large male rat, which usually lives by

their most formidable enemy.

" It is a singular fact in the history of those animals, that the skins of such of them as a long time; it festered, and broke out once even to the ends of the toss. How the operation is performed it would be difficult to ascertain; but it appears to be effected in some peculiar mode of eating out the contents.

"Besides the numbers that perish in these unnatural conflicts, they have many fierce and thod of killing them is by poison. Nux vomica ground and mixed with oatmeal, with a small proportion of oil of rhodium and musk, have "There are two kinds of rats known in this | been found from experience to be very effec-

"The water-rat is somewhat smaller than scarcely appearing through the hair; its teeth "This formidable invader is now universally are large, strong, and yellow; the hair on its diffused through the whole country, from body thicker and longer than that of the com-

under water."*

few paragraphs which relate to the subject in confined to no particular season of the year.

precision, and regularity with which the natural checks in the superabundant increase of moment when another litter is dropping into each tribe of animals are managed; and every family is subject to the operation of checks peculiar to the species—whatever it may be arise from an ever-active populative principle. is kept in due strength and equilibrium.

most serious consideration."

"" This great law," Mr. F. proceeds, " pervades and affects the whole animal creation, and so active, unwearied, and rapid is the principle of increase over the means of subsects, have been created for the express purproper limits.

"But even the natural checks are insufficient to restrain the effects of a too-rapid populative principle in some animals, which have, therefore, certain destructive propensities given to them by the Creator, that operate | fertile plains and rich cities be undermined powerfully upon themselves and their off- and destroyed, but the whole surface of the spring, as may be particularly observed in the earth in a very few years would be rendered a natural history of the rabbit, but which is still | barren and hideous waste, covered with my-

life and economy of the rat.

and there can be no doubt of the truth of the their existence, has also restricted their numstatement, that the astonishing number of bers within proper bounds, by creating to them 1,274,840 may be produced from a single pair | many very powerful enemies, and still more of rabbits in the short space of four years, as effectually by establishing a propensity in these animals in their wild state breed seven | themselves, the gratification of which has contimes in a-year, and generally produce eight tinually the effect of lessening their numbers, young ones each time. They are capable of even more than any of their foreign enemies. procreation at the age of five or six months. and the doe carries her burthen no more than the blood of his own offspring; the female, thirty days.

"The water-rat generally frequents the | more powerful, active, and effective in the sides of rivers, ponds, and ditches, where it common grey rat than in any other animal of burrows and forms its nest. It feeds on frogs, equal size. This destructive animal is contismall fish and spawn, swims and dives re- nually under the furor of animal love. The markably fast, and can continue a long time | female carries her young for one month only; and she seldom or never produces a less num-In Mr. Charles Fothergill's Essay on the ber than twelve, but sometimes as many as Philosophy, Study, and Use of Natural History | eighteen at a litter—the medium number may (1813), we find some reflections which remind | be taken for an average — and the period of us of Ray and Derham. We shall extract a gestation, though of such short continuance, is

"The embraces of the male are admitted "Nothing can afford a finer illustration of immediately after the birth of the vindictive the beautiful order and simplicity of the laws progeny; and it is a fact which I have aswhich govern the creation, than the certainty, certained beyond any doubt, that the female suckles her young ones almost to the very

the world as their successors.

"A celebrated Yorkshire rat-catcher whom I have occasionally employed, one day killed a and established by a wise law of the Most large female rat, that was in the act of suck-High, to counteract the fatal effects that might ling twelve young ones, which had attained a very considerable growth; nevertheless, upon It is by the admirable disposition of these opening her swollen body, he found thirteen checks, the contemplation of which is alone quick young, that were within a few days of sufficient to astonish the loftiest and most their birth. Supposing, therefore, that the comprehensive soul of man, that the whole rat produces ten litters in the course of a system of animal life, in all its various forms, | year, and that no check on their increase should operate destructively for the space of "This subject is worthy of the naturalist's four years, a number not far short of 3,000,000 might be produced from a single pair in that

"Now, the consequence of such an active and productive principle of increase, if suffered continually to operate without check, would sistence amongst the inferior animals, that it soon be fatally obvious. We have heard of is evident whole genera of carnivorous beings | fertile plains devastated, and large towns unamongst beasts, birds, fish, reptiles, and in- dermined, in Spain, by rabbits; and even that a military force from Rome was once repose (?) of suppressing the redundancy of quested of the great Augustus to suppress the others, and restraining their numbers within astonishing numbers of the same animal overrunning the island of Majorca and Minorca. This circumstance is recorded by Pliny.

"If, therefore, rats were suffered to multiply without the restraint of the most powerful and positive natural checks, not only would more evidently and strikingly displayed in the | riads of famished grey rats, against which man himself would contend in vain. But the same "It has been calculated by Mr. Pennant, Almighty Being who perceived a necessity for

"The male rat has an insatiable thirst for being aware of this passion, hides her young "But the principle of increase is much in such secret places as she supposes likely to escape notice or discovery, till her progeny are lold enough to venture forth and stand upon

other with the most ferocious and desperate | selves of their dogs' "performances." avidity, inasmuch as it not unfrequently happens, in a colony of these destructive animals, that a single male of more than ordinary powers, after having overcome and devoured generally." all competitors with the exception of a few females, reigns the sole bloody and muchdreaded tyrant over a considerable territory, dwelling by himself in some solitary hole, and never appearing abroad without spreading terror and dismay even amongst the females | and conversation of the customers who were whose embraces he seeks. In this relentless and bloody character may be found one of the most powerful and positive of the checks which operate to the repression of this species within proper bounds; a character which attaches, in a greater or less degree, to the whole Mus genus, and in which we may readily perceive the cause of the extirpation of the old black rats of England, Mus rathus; for the large grey rats, having superior bodily powers united to the same carnivorous propensities, would easily conquer and destroy their black opponents wherever they could be found, and whenever they met to dispute the title of possession or of sovereignty."

When the young rats begin to issue from their holes, the mother watches, defends, and even fights with the cats, in order to save them. A large rat is more mischievous than a young cat, and nearly as strong: the rat uses her fore-teeth, and the cat makes most use of her claws; so that the latter requires in order to destroy her adversary.

The weasel, though smaller, is a much more dangerous and formidable enemy to the rat, because it can follow it into its retreat. Its strength being nearly equal to that of the rat, the combat often continues for a long time, but the method of using their arms by the which are better formed for gnawing than rat is always killed.

A NIGHT AT RAT-KILLING.

of the lower orders, whose business it is to nose, and indeed at all the edges of its body.

their own energies; but, notwithstanding this | keep them for the purpose of rat matches, I precaution, the male rat frequently discovers | thought it necessary, for the full elucidation them, and destroys as many as he can; nor is of my subject, to visit the well-known publicthe defence of the mother any very effectual | house in London, where, on a certain night in protection, since she herself sometimes falls a the week, a pit is built up, and regular ratvictim to her temerity and her maternal ten- killing matches take place, and where those who have sporting dogs, and are anxious to "Besides this propensity to the destruction | test their qualities, can, after such matches are of their own offspring, when other food fails | finished, purchase half a dozen or a dozen rats them, rats hunt down and prey upon each | for them to practise upon, and judge for them-

To quote the words printed on the proprietor's card, " he is always at his old house at home, as usual, to discuss the fancy

I arrived at about eight o'clock at the tavern where the performances were to take place. I was too early, but there was plenty to occupy my leisure in looking at the curious scene around me, and taking notes of the habits

flocking in. The front of the long bar was crowded with men of every grade of society, all smoking, drinking, and talking about dogs. Many of them had brought with them their "fancy" animals, so that a kind of "canine exhibition" was going on; some carried under their arm small bull-dogs, whose flat pink noses rubbed against my arm as I passed; others had Skyeterriers, curled up like balls of hair, and sleeping like children, as they were nursed by their owners. The only animals that seemed awake, and under continual excitement, were the little brown English terriers, who, despite the neat black leathern collars by which they were held, struggled to get loose, as if they smelt the rats in the room above, and were impatient to begin the fray.

There is a business-like look about this tavern which at once lets you into the character of the person who owns it. The drinking seems to have been a secondary notion in both to be vigorous and accustomed to fight, its formation, for it is a low-roofed room without any of those adornments which are now generally considered so necessary to render a public-house attractive. The tubs where the spirits are kept are blistered with the heat of the gas, and so dirty that the once brilliant gilt

hoops are now quite black.

Sleeping on an old hall-chair lay an enoropponents is very different. The rat wounds | mous white bulldog, "a great beauty," as I only by repeated strokes with his fore-teeth, was informed, with a head as round and smooth as a clenched boxing-glove, and seembiting; and, being situated at the extremity of | ingly too large for the body. Its forehead the lever or jaw, they have not much force. appeared to protrude in a manner significant But the weasel bites cruelly with the whole of water on the brain, and almost overhung jaw, and, instead of letting go its hold, sucks the short nose, through which the animal the blood from the wounded part, so that the | breathed heavily. When this dog, which was the admiration of all beholders, rose up, its legs were as bowed as a tailor's, leaving a peculiar pear-shaped opening between them, which, I was informed, was one of its points Considering the immense number of rats of beauty. It was a white dog, with a sore look, which form an article of commerce with many from its being peculiarly pink round the eyes.

^{*} Bewick's History of Quadrupeds, 1790, 354 et seq.

On the other side of the fire-place was a | an ulcer is formed, which we are obleeged to white bull-terrier dog, with a black patch over | lance; that's what killed her." the eye, which gave him rather a disreputable look. This animal was watching the movements of the customers in front, and occasionally, when the entrance-door was swung the fresh-comer wanted. The proprietor was kind enough to inform me, as he patted this animal's ribs, which showed like the hoops on been a "little of the greyhound in some of out from the shop to see the sport.

leather collars, adorned with brass rings and legs of the forms, or sleeping in their owners' clasps, and pre-eminent was a silver dog-col- arms, and were in turn minutely criticised lar, which, from the conversation of those their limbs being stretched out as if they were about me, I learnt was to be the prize in a being felt for fractures, and their mouths looked

bar," took their seats in the parlour, and, ac- a fierce-looking bull-terrier, although he did companied by a waiter, who kept shouting, not mention at the same time what line in life "Give your orders, gentlemen," I entered the the little animal ought to pursue.

place were square glazed boxes, in which were minutes and a half." the stuffed forms of dogs famous in their day. rats. This engraving had a singular look, handkerchief. Tiny had been a great favourite with the proprietor, and used to wear a lady's bracelet as a collar.

Among the stuffed heads was one of a white bull-dog, with tremendous glass eyes sticking out, as if it had died of strangulation. The proprietor's son was kind enough to explain chair in the parlour, at the same time giving to me the qualities that had once belonged to the order to "shut up the shutters in the this favourite. "They've spoilt her in stuffing, room above, and light up the pit." This ansir," he said; "made her so short in the head; nouncement seemed to rouse the spirits of the but she was the wonder of her day. There impatient assembly, and even the dogs tied to wasn't a dog in England as would come nigh | the legs of the tables ran out to the length of her. There's her daughter," he added, point- | their leathern thongs, and their tails curled ing to another head, something like that of a like eels, as if they understood the meaning of seal, "but she wasn't reckoned half as hand- the words. some as her mother, though she was very much admired in her time.

ing to one represented with a rat in its mouth, to its ears. "Well, it is a beauty! I wish I "it was as good as any in England, though | could gammon you to take a 'fiver' for it." it's so small. I've seen her kill a dozen rats Then looking round the room, he added, almost as big as herself, though they killed "Well, gents, I'm glad to see you look so her at last; for sewer-rats are dreadful for comfortable." giving dogs canker in the mouth, and she wore herself out with continually killing them, what hurried on by the entering of a young though we always rinsed her mouth out well gentleman, whom the waiters called "Cap'an." with peppermint and water while she were at | "Now, Jem, when is this match coming off?"

The company assembled in "the parlour" consisted of sporting men, or those who, from curiosity, had come to witness what a ratmatch was like. Seated at the same table, back, would give a growl of inquiry as to what | talking together, were those dressed in the costermonger's suit of corduroy, soldiers with their uniforms carelessly unbuttoned, coachmen in their livery, and tradesmen who had a butter-firkin, that he considered there had slipped on their evening frock-coats, and run

The dogs belonging to the company were About the walls were hung clusters of black | standing on the different tables, or tied to the rat-match to be "killed for" in a fortnight's into, as if a dentist were examining their teeth. Nearly all the little animals were marked with As the visitors poured in, they, at the re- scars from bites. "Pity to bring him up to quest of the proprietor "not to block up the rat-killing," said one, who had been admiring

At another table one man was declaring I found that, like the bar, no pains had been | that his pet animal was the exact image of the taken to render the room attractive to the celebrated rat-killing dog "Billy," at the same customers, for, with the exception of the sport- time pointing to the picture against the wall ing pictures hung against the dingy paper, it of that famous animal, "as he performed his was devoid of all adornment. Over the fire- wonderful feat of killing 500 rats in five

There were amongst the visitors some Pre-eminent among the prints was that repre- French gentlemen, who had evidently witsenting the "Wonder" Tiny, "five pounds and nessed nothing of the kind before; and whilst a half in weight," as he appeared killing 200 they endeavoured to drink their hot gin and water, they made their interpreter translate from its having been printed upon a silk to them the contents of a large placard hung upon a hatpeg, and headed—

"EVERY MAN HAS HIS FANCY.

RATTING SPORTS IN REALITY."

About nine o'clock the proprietor took the

"Why, that's the little champion," said the proprietor, patting a dog with thighs like a "That there is a dog," he continued, point- grasshopper, and whose mouth opened back

The performances of the evening were some-

work. When rats bite they are pisonous, and the Captain asked impatiently; and despite

the assurance that they were getting ready, he | running round the circus, or trying to hide much longer. This young officer seemed to boards round the pit. be a great "fancier" of dogs, for he made the round of the room, handling each animal in its turn, feeling and squeezing its feet, and scrutinising its eyes and limbs with such miforced to inquire who he was.

with a high wooden rim that reaches to elbow | leave those he had killed. height. Over it the branches of a gas lamp proprietor calls his "private box," and this dealings took place. apartment the Captain and his friend soon The Captain seen took possession of, whilst the audience generally clambered upon the tables and forms, or hung over the sides of the pit itself.

All the little dogs which the visitors had brought up with them were now squalling and barking, and struggling in their masters' arms, only tried him at very small 'uns." as if they were thoroughly acquainted with shout out—" Now, you that have dogs do make 'em shut up.'

The Captain was the first to jump into the | ain't he?" pit. A man wanted to sell him a bull-terrier, rats was the consequent order.

He was cautioned by one of the men not to let them bite him, for "believe me," were the | be seen small mounds of closely packed rats. words, "you'll never forget, Cap'an; these 'ere are none of the cleanest."

some of those that had been taken from the | father stipulated he should have first drink. cage ran about the painted floor and climbed their paws.

When the dog in question was brought the big 'uns." forth and shown the dozen rats, he grew excited, and stretched himself in his owner's the pit, they gathered themselves together into a full chorus of whining.

threatened to leave the place if kept waiting | themselves between the small openings in the

Although the proprietor of the dog endeavoured to speak up for it, by declaring "it was a good 'un, and a very pretty performer," still it was evidently not worth much in a rat-killnuteness, that the French gentlemen were ing sense; and if it had not been for his "second," who beat the sides of the pit with There was no announcement that the room | his hand, and shouted "Hi! hi! at 'em!" in above was ready, though everybody seemed a most bewildering manner, we doubt if the to understand it; for all rose at once, and terrier would not have preferred leaving the mounting the broad wooden staircase, which rats to themselves, to enjoy their lives. Some led to what was once the "drawing-room," of the rats, when the dog advanced towards dropped their shillings into the hand of the | them, sprang up in his face, making him draw proprietor, and entered the rat-killing apart- back with astonishment. Others, as he bit them, curled round in his mouth and fastened "The pit," as it is called, consists of a small on his nose, so that he had to carry them as a circus, some six feet in diameter. It is about | cat does its kittens. It also required many as large as a centre flower-bed, and is fitted | shouts of "Drop it-dead 'un," before he would

We cannot say whether the dog was eventare arranged, which light up the white painted | ually bought; but from its owner's exclaiming, floor, and every part of the little arena. On | in a kind of apologetic tone, "Why, he never one side of the room is a recess, which the saw a rat before in all his life," we fancy no

> The Captain seemed anxious to see as much sport as he could, for he frequently asked those who carried dogs in their arms whether "his little 'un would kill," and appeared sorry when such answers were given as-"My dog's mouth's a little out of order, Cap'an," or "I've

One little dog was put in the pit to amuse the uses of the pit; and when a rusty wire | himself with the dead bodies. He seized hold cage of rats, filled with the dark moving mass, of one almost as big as himself, shook it was brought forward, the noise of the dogs | furiously till the head thumped the floor like was so great that the proprietor was obliged to a drumstick, making those around shout with laughter, and causing one man to exclaim, "He's a good 'un at shaking heads and tails,

Preparations now began for the grand match spotted like a fancy rabbit, and a dozen of of the evening, in which fifty rats were to be killed. The "dead 'uns' were gathered up by The Captain preferred pulling the rats out | their tails and flung into the corner. The of the cage himself, laying hold of them by | floor was swept, and a big flat basket produced, their tails and jerking them into the arena. | like those in which chickens are brought to market, and under whose iron wire top could

This match seemed to be between the proprietor and his son, and the stake to be gained Whilst the rats were being counted out, was only a bottle of lemonade, of which the

It was strange to observe the daring manner up the young officer's legs, making him shake in which the lad introduced his hand into the them off and exclaim, "Get out, you varmint!" rat cage, sometimes keeping it there for more whilst others of the ugly little animals sat | than a minute at a time, as he fumbled about upon their hind legs, cleaning their faces with and stirred up with his fingers the living mass, picking out, as he had been requested, "only

arms, whilst all the other animals joined in a mound which reached one-third up the sides, and which reminded one of the heap of hair-"Chuck him in," said the Captain, and over sweepings in a barber's shop after a heavy went the dog; and in a second the rats were day's cutting. These were all sewer and waterditch rats, and the smell that rose from them was like that from a hot drain.

them with his pocket handkerchief, and offer- dog flew about with new life. ing them the lighted end of his cigar, which the little creatures tamely snuffed at, and drew back from, as they singed their noses.

It was also a favourite amusement to blow on the match was going on, whenever the little at the rats which still kept crawling about. animals collected together, and formed a barrilike so many sparks.

the match to begin that the impatient Captain | the dog. again threatened to leave the house, and was | The dog lost the match, and the proprietor, entered, carrying in his arms a bull-terrier in room." a perfect fit of excitement, foaming at the mouth and stretching its neck forward, so that into the pit as a reward for the second who the collar which held it back seemed to be had backed the dog. cutting its throat in two.

The animal was nearly mad with rage-

for an umpire to decide, as he added, "whether like any rats." the rats were dead or alive when they're 'killed,' as Paddy says."

the terrier was let loose.

and rushed at the rats, burying his nose in day." the mound till he brought out one in his mouth. In a short time a dozen rats with into the midst of a dozen rats. He did his wetted necks were lying bleeding on the floor, and the white paint of the pit became grained | tators was focussed upon him. with blood.

berry had been smashed there.

"He doesn't squeal, that's one good thing," said one of the lookers-on.

As the rats fell on their sides after a bite they were collected together in the centre, where they lay quivering in their death-

"Hi, Butcher! hi, Butcher!" shouted the second, "good dog! bur-r-r-r-h!" and he The Captain amused himself by flicking at | beat the sides of the pit like a drum till the

"Dead 'un! drop it!" he cried, when the terrier "nosed" a rat kicking on its side, as it slowly expired of its broken neck.

"Time!" said the proprietor, when four of the mound of rats, for they seemed to dislike the eight minutes had expired, and the dog the cold wind, which sent them fluttering | was caught up and held panting, his neck about like so many feathers; indeed, whilst | stretched out like a serpent's, staring intently

The poor little wretches in this brief interval, cade as it were to the dog, the cry of "Blow on as if forgetting their danger, again commenced 'em! blow on 'em!" was given by the spectators, cleaning themselves, some nibbling the ends and the dog's second puffed at them as if ex- of their tails, others hopping about, going now tinguishing a fire, when they would dart off to the legs of the lad in the pit, and sniffing at his trousers, or, strange to say, advancing, The company was kept waiting so long for smelling, to within a few paces of their enemy

only quieted by the proprietor's reply of "My | we presume, honourably paid the bottle of dear friend, be easy, the boy's on the stairs | lemonade to his son. But he was evidently with the dog;" and true enough we shortly displeased with the dog's behaviour, for he heard a wheezing and a screaming in the pass- | said, "He won't do for me—he's not one of age without, as if some strong-winded animal my sort! Here, Jim, tell Mr. G. he may were being strangled, and presently a boy have him if he likes; I won't give him house

A plentiful shower of halfpence was thrown

A slight pause now took place in the proceedings, during which the landlord requested scratching and struggling to get loose. "Lay that the gentlemen "would give their minds hold a little closer up to the head or he'll turn | up to drinking; you know the love I have for round and nip yer," said the proprietor to his you," he added jocularly, "and that I don't care for any of you;" whilst the waiter ac-Whilst the gasping dog was fastened up in a companied the invitation with a cry of "Give corner to writhe its impatience away, the land-lord made inquiries for a stop-watch, and also rats asked if "any other gentleman would

Several other dogs were tried, and amongst them one who, from the size of his stomach, When all the arrangements had been made | had evidently been accustomed to large dinthe "second" and the dog jumped into the ners, and looked upon rat-killing as a sport pit, and after "letting him see 'em a bit," and not as a business. The appearance of this fat animal was greeted with remarks such The moment the dog was "free," he be- as "Why don't you feed your dog?" and "You ceme quiet in a most business-like manner, shouldn't give him more than five meals a-

> Another impatient bull-terrier was thrown duty so well, that the admiration of the spec-

ith blood.

In a little time the terrier had a rat hang- dred than twelve;" whilst another observed, ing to his nose, which, despite his tossing, "Rat-killing's his game, I can see;" while the still held on. He dashed up against the landlord himself said, "He's a very pretty sides, leaving a patch of blood as if a straw- creetur, and I'd back him to kill against anybody's dog at eight and a half or nine."

The Captain was so startled with this terrier's "cleverness," that he vowed that if she could kill fifteen in a minute "he'd give a hundred guineas for her."

It was nearly twelve o'clock before the evening's performance concluded. Several of the spectators tried their dogs upon two or three | them anything for what they ketch, but merely as to "who was its father," were made before 3d. in town. the company broke up.

company, spoke the epilogue of the rat tra-

gedies in these words;novice dogs, or at least such as is not con- is a kind of head-quarters for rat-ketchers. sidered pheenomenons. We shall have plenty down-stairs, where we meets for harmony and entertainment."

JIMMY SHAW.

public-houses in London, who is celebrated most curious that I have listened to, and it hunting the rats themselves. was given to me with a readiness and a courtesy " light weights."

London.

"The poor people," said the sporting land- she's away they don't come so often. lord, "who supply me with rats, are what you | "The largest quantity of rats I've bought may call barn-door labouring poor, for they from one man was five guineas' worth, or are the most ignorant people I ever come near. | thirty-five dozen at 3d. a-head, and that's a load Really you would not believe people could live | for a horse. This man comes up from Claverin such ignorance. Talk about Latin and ing in akind of cart, with a horse that's a regular Greek, sir, why English is Latin to them— phenomena, for it ain't like a beast nor nothing. in fact, I have a difficulty to understand them I pays him a good deal of money at times, and myself. When the harvest is got in, they go I'm sure I can't tell what he does with it; but hunting the hedges and ditches for rats. they do tell me that he deals in old iron, and Once the farmers had to pay 2d. a-head for goes buying it up, though he don't seem to all rats caught on their grounds, and they have much of a head-piece for that sort of nailed them up against the wall. But now that fancy neither. the rat-ketchers can get 3d. each by bringing "During the harvest-time the rats run the vermin up to town, the farmers don't pay scarcer you see, and the ketcher turns up rat-

rats, either the biggest or the smallest that give them permission to hunt them in their could be found: and many offers as to what stacks and barns, so that they no longer get "he wanted for the dog," and many inquiries | their 2d. in the country, though they get their

"I have some twenty families depending At last the landlord, finding that no "gen- upon me. From Clavering, in Essex, I suppose tleman would like a few rats," and that his I have hundreds of thousands of rats sent to exhortations to "give their minds up to me in wire cages fitted into baskets. From drinking" produced no further effect upon the | Enfield I have a great quantity, but the ketchers don't get them all there, but travel round the country for scores of miles, for you "Gentlemen, I give a very handsome solid see 3d. a-head is money; besides, there are silver collar to be killed for next Tuesday. some liberal farmers who will still give them Open to all the world, only they must be a halfpenny a-head into the bargain. Enfield

"It's dangerous work, though, for you see of sport, gentlemen, and there will be loads | there is a wonderful deal of difference in the of rat-killing. I hope to see all my kind specie of rats. The bite of sewer or waterfriends, not forgetting your dogs, likewise; ditch rats is very bad. The water and ditch and may they be like the Irishman all over, | rat lives on filth, but your barn-rat is a plump who had good trouble to catch and kill 'em, fellow, and he lives on the best of everything. and took good care they didn't come to life | He's well off. There's as much difference again. Gentlemen, there is a good parlour | between the barn and sewer-rats as between a brewer's horse and a costermonger's. Sewerrats are very bad for dogs, their coats is poi-

"Some of the rats that are brought to me are caught in the warehouses in the City. THE proprietor of one of the largest sporting | Wherever there is anything in the shape of provisions, there you are sure to find Mr. Rat for the rat-matches which come off weekly an intruder. The ketchers are paid for ketchat his establishment, was kind enough to fa- | ing them in the warehouses, and then they are vour me with a few details as to the quality | sold to me as well, so the men must make a of those animals which are destroyed in his good thing of it. Many of the more courageous pit. His statement was certainly one of the | kind of warehousemen will take a pleasure in

"I should think I buy in the course of the of manner such as I have not often met with | year, on the average, from 300 to 700 rats during my researches. The landlord himself a-week." (Taking 500 as the weekly average, is known in pugilistic circles as one of the this gives a yearly purchase of 26,000 live rats.) most skilful boxers among what is termed the "That's what I kill taking all the year round, you see. Some first-class chaps will come His statement is curious, as a proof of the here in the day-time, and they'll try their dogs. large trade which is carried on in these ani- They'll say, 'Jimmy, give the dog 100.' After mals, for it would seem that the men who he's polished them off they'll say, perhaps, make a business of catching rats are not al- 'Hang it, give him another 100.' Bless you!" ways employed as "exterminators," for they he added, in a kind of whisper, "I've had noble make a good living as "purveyors" for supply- ladies and titled ladies come here to see the ing the demands of the sporting portion of sport-on the quiet, you know. When my wife was here they would come regular, but now

LONDON LABOUR AND THE LONDON POOR.

ketching for harvest work. After the harvest | now if a rat was to run up my breeches, but I rats gets plentiful again.

"I've had as many as 2000 rats in this very with 'em. house at one time. They'll consume a sack of barley-meal a week, and the brutes, if you don't give 'em good stuff, they'll eat one another, | idea of skinning them into their heads, and hang'em!

"I'm the oldest canine fancier in London, I know I'm the oldest caterer in rat-killing in I am now. In fact, when I was seventeen or the skins are warm and handsome-looking—a eighteen years of age I was just like what my | beautiful grey. boy is now. I used at that time to be a great -very liberal friends. I used to give them rat sports, and I have kept to it ever since.

of times. Now, some people will say, 'Rub yourself over with caraway and stuff, and then rats won't bite you.' But I give you my word and honour it's all nonsense, sir.

"As I said, I was the first in London to give | sight of. rat sports, and I've kept to it ever since. Bless with the rats running about them, and if they and a Turk under the same roof. haven't taken the precaution to tie their trousers round with a bit of string at the botain't I, father? look here!'

"A rat's bite is very singular, it's a threecornered one, like a leech's, only deeper, of ratting, for the rats in the shores eats up a course, and it will bleed for ever such a time. great quantity of sewer filth and rubbish, and My boys have sometimes had their fingers go is another specie of scavenger in their own dreadfully bad from rat-bites, so that they turn | way." all black and putrid like - aye, as black as the horse-hair covering to my sofa. People have showed me some very curious specimens of said to me, You ought to send the lad to the tame rats—some piebald, and others quite hospital, and have his finger took off; but white, with pink eyes, which he kept in cages I've always left it to the lads, and they've said, in his sitting-room. He took them out from

thorns out of horses' hoofs and feet after struggled to return to their nests. steeplechasing.

have known the time when I've been kivered

"I generally throw my dead rats away now; but two or three years since my boys took the they did about 300 of them, and their skins was very promising. The boys was, after all, and I'm the first that started ratting; in fact, obliged to give them away to a furrier, for my wife didn't like the notion, and I said, 'Throw the metropolis. I began as a lad, and I had many | them away;' but the idea strikes me to be noble friends, and was as good a man then as something, and one that is lost sight of, for

"There's nothing turns so quickly as dead public charakter, and had many liberal friends rats, so I am obleeged to have my dustmen come round every Wednesday morning; and regularly enough they call too, for they know My boy can handle rats now just as I used to where there is a bob and a pot. I generally prefers using the authorised dustmen, though "Have I been bit by them? Aye, hundreds the others come sometimes—the flying dustmen they call 'em - and if they're first, they has the job.

"It strikes me, though, that to throw away so many valuable skins is a good thing lost

"The rats want a deal of watching, and a you, there's nothing that a rat won't bite deal of sorting. Now you can't put a sewer and through. I've seen my lads standing in the pit | a barn-rat together, it's like putting a Roosshian

"I can tell a barn-rat from a ship-rat or a, sewer-rat in a minute, and I have to look over tom, they'd have as many as five or six rats | my stock when they come in, or they'd fight to run up their trouser-legs. They'll deliberately the death. There's six or seven different take off their clothes and pick them out from kinds of rats, and if we don't sort 'em they tear their shirts, and bosoms, and breeches. Some one another to pieces. I think when I have a people is amused, and others is horror-struck. number of rats in the house, that I am a lucky People have asked them whether they ain't man if I don't find a dozen dead when I go up rubbed? They'll say 'Yes,' but that's as a to them in the morning; and when I tell you lark; 'cos, sometimes when my boy has been that at times—when I've wanted to make up taking the rats out of the cage, and somebody | my number for a match—I've given 21s. for has taken his attention off, talking to him, he | twenty rats, you may think I lose something has had a bite, and will turn to me with his that way every year. Rats, even now, is occafinger bleeding, and say, 'Yes, I'm rubbed, sionally 6s. a-dozen; but that, I think, is most inconsistent.

"If I had my will, I wouldn't allow sewer

After finishing his statement, the landlord 'Oh, don't mind it, father; it'll get all right by their cages, and handled them without the least fear, and even handled them rather "The best thing I ever found for a rat-bite | rudely, as he showed me the peculiarities of was the thick bottoms of porter casks put on as | their colours; yet the little tame creatures did a poultice. The only thing you can do is to not once attempt to bite him. Indeed, they poultice, and these porter bottoms is so power- appeared to have lost the notion of regaining ful and draws so, that they'll actually take their liberty, and when near their cages

In one of these boxes a black and a white "In handling rats, it's nothing more in the rat were confined together, and the proprietor, world but nerve that does it. I should faint pointing to them, remarked, "I hope they'll as I can do continuing to serve my worthy patrons."

JACK BLACK.

As I wished to obtain the best information about rat and vermin destroying, I thought I could not do better now than apply to that eminent authority "the Queen's ratcatcher," and accordingly I sought an interview with Mr. "Jack" Black, whose hand-bills are headed -- " V.R. Rat and mole destroyer to Her Majesty."

I had already had a statement from the royal bug-destroyer relative to the habits and means of exterminating those offensive vermin, and I was desirous of pairing it with an account of the personal experience of the Queen of England's rateatcher.

In the sporting world, and among his regular customers, the Queen's ratcatcher is better known by the name of Jack Black. He enjoys the reputation of being the most fearless handler of rats of any man living, playing with them—as one man expressed it to me—"as if they were so many blind kittens."

The first time I ever saw Mr. Black was in the streets of London, at the corner of Hartstreet, where he was exhibiting the rapid effects of his rat poison, by placing some of it in the to keep them hot. mouth of a living animal. He had a cart then with rats painted on the panels, and at the tailboard, where he stood lecturing, he had a kind of stage rigged up, on which were cages filled with rats, and pills, and poison packages.

Here I saw him dip his hand into this cage of rats and take out as many as he could hold, a feat which generally caused an "oh!" of wonder to escape from the crowd, especially | black, so that he looked as if he wore powder. when they observed that his hands were unbitten. Women more particularly shuddered when they beheld him place some half-dozen of the dusty-looking brutes within his shirt next sniffing about his ears and cheeks.

But those who knew Mr. Black better, were | anything." well aware that the animals he took up in his courage enough to undertake the work.

in Battersea. I had some difficulty in dis. polar bear.

breed, for though white rats is very scarce, | covering his country residence, and was indebted only occurring in fact by a freak of nature, I to a group of children gathered round and fancy I shall be able, with time and trouble, staring at the bird-cage in the window of his to breed 'em myself. The old English rat cottage for his address. Their exclamations is a small jet-black rat; but the first white rat of delight at a grey parrot climbing with his as I heard of come out of a burial-ground. At | beak and claws about the zinc wires of his cage, one time I bred rats very largely, but now I and the hopping of the little linnets there, in leaves that fancy to my boys, for I've as much | the square boxes scarcely bigger than a brick, made me glance up at the door to discover who the bird-fancier was; when painted on a bit of zinc-just large enough to fit the shaft of a tax cart—I saw the words, "J. Black, Rat Destroyer to Her Majesty," surmounted by the royal initials, V.R., together with the painting of a white rat.

Mr. Black was out "sparrer ketching," as his wife informed me, for he had an order for three dozen, "which was to be shot in a match" at some tea-gardens close by.

When I called again Mr. Black had returned, and I found him kneeling before a big, rusty iron-wire cage, as large as a sea-chest, and transferring the sparrows from his birdcatching apparatus to the more roomy prison.

He transacted a little business before I spoke to him, for the boys about the door were asking, "Can I have one for a penny, master?"

There is evidently a great art in handling birds; for when Mr. Black held one, he took hold of it by the wings and tail, so that the little creature seemed to be sitting upright and had not a feather rumpled, while it stretched out its neck and looked around it; the boys, on the contrary, first made them flutter their feathers as rough as a hair ball, and then half smothered them between their two hands, by holding them as if they wished

I was soon at home with Mr. Black. He was a very different man from what I had expected to meet, for there was an expression of kindliness in his countenance, a quality which does not exactly agree with one's preconceived notions of rateatchers. His face had a strange appearance, from his rough, uncombed hair, being nearly grey, and his eyebrows and whiskers

Mr. Black informed me that the big ironwire cage, in which the sparrows were fluttering about, had been constructed by him for rats, and that it held over a thousand when fullhis skin; and men swore the animals had been | for rats are packed like cups, he said, one over tamed, as he let them run up his arms like the other. "But," he added, "business is bad squirrels, and the people gathered round for rats, and it makes a splendid havery; bebeheld them sitting on his shoulders cleaning | sides, sparrers is the rats of birds, sir, for if their faces with their front-paws, or rising up | you look at 'em in a cage they always huddles on their hind legs like little kangaroos, and up in a corner like rats in a pit, and they are a'most vermin in colour and habits, and eats

The ratcatcher's parlour was more like a hand were as wild as any of the rats in the shop than a family apartment. In a box, with sewers of London, and that the only mystery iron bars before it, like a rabbit-hutch, was a in the exhibition was that of a man having white ferret, twisting its long thin body with a snake-like motion up and down the length of I afterwards visited Jack Black at his house its prison, as restlessly as if it were a miniature

it came to the bars and fixed its pink eyes on upon him, and driven him out of London. him. A child lying on the floor poked its "I was fool enough to take a public-house fingers into the cage, but Polly only smelt at | in Regent-street, sir," he said. "My daughter them, and, finding them not good to eat, went | used to dress as the 'Ratketcher's Daughter,'

also catches fish for vivaria. Against the walls | and they ruined me." were the furred and feathered remains of depolecat—"a first-rater at rats" we were in- lace. formed. Here a ferret "that never was That linnet "was the wonder of its day." The parent. enormous pot-bellied carp, with the miniature rushes painted at the back of its case, was could not "make an appearance," for his caught in the Regent's Park waters.

"In another part of the room hung fishing- | waistcoat - were pledged." lines, and a badger's skin, and lead-bobs and curious eel-hooks—the latter as big as the in proof of his assertions of the biting powers curls on the temples of a Spanish dancer, and of rats, drew my attention to the leathern from here Mr. Black took down a transparent- | breeches he wore, "as were given him twelve looking fish, like a slip of parchment, and told | years ago by Captain B----. me that it was a fresh-water smelt, and that he caught it in the Thames—"the first he ever heard of." Then he showed me a beetle scratched and fringed like the washleather of suspended to a piece of thread, like a big spider to its web, and this he informed me was the Thames beetle, "which either live by

"when they are swimming on their backs, marked."

Round the room were hung paper bags, like those in which housewives keep their sweet herbs. "All of them there, sir, contain cured you never saw such a mouth." fish for eating," Mr. Black explained to me.

barrowful of freshwater fish. Nobody knows nice. how I do it, because I never takes no nets or lines with me. I assure them I ketch 'em with my hands, which I do, but they only you kill them, and they are as good as barnlaughs increderlous like. I knows the fishes' rats, I give you my word, sir." harnts, and watches the tides. I sells fresh fish—perch, roach, dace, gudgeon, and suchlike, and even small jack, at threepence a for five-and-thirty year; indeed, I may say pound, or what they'll fetch; and I've caught from my childhood, for I've kept at it a'most near the Wandsworth 'Black Sea,' as we all my life. I've been dead near three times calls it, half a hundred weight sometimes, from bites—as near as a toucher. I once had and I never took less than my handkerchey the teeth of a rat break in my finger, which

had never before been taken advantage of.

When Mr. Black called "Polly" to the ferret, | misfortunes, and how bad luck had pressed

and serve behind the bar, and that did pretty Mr. Black stuffs animals and birds, and well for a time; but it was a brewer's house.

The costume of the "ratketcher's daughter" parted favourites, each in its glazed box and was shown to me by her mother. It was a appropriate attitude. There was a famous red velvet bodice, embroidered with silver

"With a muslin skirt, and her hair down equalled." This canary "had earned pounds." | her back, she looked wery genteel," added the

> Mr. Black's chief complaint was that he "uniform"—a beautiful green coat and red

Whilst giving me his statement, Mr. Black,

These were pierced in some places with the teeth of the animals, and in others were a street knife-seller.

His hands, too, and even his face, had scars upon them from bites.

Mr. Black informed me that he had given "You ketch 'em," continued Mr. Black, up tobacco "since a haccident he met with from a pipe. I was smoking a pipe," he said, "and which is their nature, and when they turns a friend of mine by chance jobbed it into my over you finds 'em beautifully crossed and mouth, and it went right through to the back of my palate, and I nearly died."

Here his wife added, "There's a hole there to this day you could put your thumb into;

Mr. Black informed me in secret that he "I'm called down here the Battersea otter," | had often, "unbeknown to his wife," tasted he went on, "for I can go out at four in the what cooked rats were like, and he asserted morning, and come home by eight with a that they were as moist as rabbits, and quite as

"If they are shewer-rats," he continued, "just chase them for two or three days before

Mr. Black's statement was as follows:—

"I should think I've been at ratting a'most was dreadful bad, and swole, and putrified, so I was inclined — like the inhabitants of that I had to have the broken bits pulled out Battersea — to be incredulous of the rat- with tweezers. When the bite is a bad one, catcher's hand-fishing, until, under a promise it festers and forms a hard core in the ulcer, of secrecy, he confided his process to me, and which is very painful, and throbs very much then not only was I perfectly convinced of its indeed; and after that core comes away, untruth, but startled that so simple a method less you cleans 'em out well, the sores, even after they seemed to be healed, break out over Later in the day Mr. Black became very and over again, and never cure perfectly. communicative. We sat chatting together in | This core is as big as a boiled fish's eye, and his sanded bird shop, and he told me all his as hard as a stone. I generally cuts the bite covered with scars from bites.

"The worst bite I ever had was at the Manor House, Hornsey, kept by Mr. Burnell. makes you faint in a minute, and it bleeds One day when I was there, he had some rats | dreadful - ah, most terrible - just as if you get loose, and he asked me to ketch 'em for had been stuck with a penknife. You couldn't him, as they was wanted for a match that was | believe the quantity of blood that come away, coming on that afternoon. I had picked up | sir. bad.' The arm swole, and went as heavy as a sport. alive.

"I've been bitten nearly everywhere, even where I can't name to you, sir, and right through my thumb nail too, which, as you see, always has a split in it, though it's years since I was wounded. I suffered as much from that bite on my thumb as anything. It went right up to my ear. I felt the pain in both places at once — a regular twinge, like touching the a young chap at the Middlesex Hospital who never handled rats in their lives. thumb, and that flung me down on my bed, and there I stopped, I should think, six weeks.

"I was bit bad, too, in Edwards-street, to Mr.—'s house in Albany-street (the publican), and he'd say, 'What'll yer have, Jack?' gone nearly all over the world.

"I never lost a ferrut out ratting. I al-

out clean with a lancet, and squeege the hu- | and I used to take a glass of stout, and that mour well from it, and that's the only way to seemed to give me strength to overcome the cure it thorough—as you see my hands is all pison of the bite, for I began to pick up as soon as I left off doctor's stuff.

"When a rat's bite touches the bone, it

a lot-indeed, I had one in each hand, and | "The first rats I caught was when I was another again my knee, when I happened to about nine years of age. I ketched them at come to a sheaf of straw, which I turned over, Mr. Strickland's, a large cow-keeper, in Little and there was a rat there. I couldn't lay hold | Albany-street, Regent's-park. At that time it on him 'cause my hands was full, and as I was all fields and meaders in them parts, and stooped down he ran up the sleeve of my coat, I recollect there was a big orchard on one and bit me on the muscle of the arm. I shall side of the sheds. I was only doing it for a never forget it. It turned me all of a sudden, game, and there was lots of ladies and gents and made me feel numb. In less than half- looking on, and wondering at seeing me an-hour I was took so bad I was obleeged to taking the rats out from under a heap of old be sent home, and I had to get some one to bricks and wood, where they had collected drive my cart for me. It was terrible to see theirselves. I had a little dog - a little red the blood that came from me—I bled awful. I'un it was, who was well known through the Burnell seeing me go so queer, says, 'Here, fancy - and I wanted the rats for to test my Jack, take some brandy, you look so awful | dog with, I being a lad what was fond of the

ton weight pretty well, so that I couldn't even | "I wasn't afraid to handle rats even then; lift it, and so painful I couldn't bear my wife it seemed to come nat'ral to me. I very soon to ferment it. I was kept in bed for two had some in my pocket, and some in my months through that bite at Burnell's. I was hands, carrying them away as fast as I could, so weak I couldn't stand, and I was dreadful and putting them into my wire cage. You see, feverish—all warmth like. Iknew I was going the rats began to run as soon as we shifted to die, 'cause I remember the doctor coming | them bricks, and I had to scramble for them. and opening my eyes, to see if I was still | Many of them bit me, and, to tell you the truth, I didn't know the bites were so many, or I dare say I shouldn't have been so venturesome as I was.

"After that I bought some ferruts—four of them — of a man of the name of Butler, what was in the rat-ketching line, and afterwards went out to Jamaicer, to kill rats there. I was getting on to ten years of age then, and I was, I think, the first that regularly began hunting nerve of a tooth. The thumb went black, and rats to sterminate them; for all those before I was told I ought to have it off; but I knew | me used to do it with drugs, and perhaps

wasn't out of his time, and he said, 'No, I "With my ferruts I at first used to go out wouldn't, Jack;' and no more I did; and he hunting rats round by the ponds in Regent'sused to strap it up for me. But the worst of park, and the ditches, and in the cow-sheds it was, I had a job at Camden Town one after- roundabout. People never paid me for ketchnoon after he had dressed the wound, and I | ing, though, maybe, if they was very much got another bite lower down on the same infested, they might give me a trifle; but I used to make my money by selling the rats to gents as was fond of sport, and wanted them for their little dogs.

"I kept to this till I was thirteen or four-Hampstead-road; and that time I was sick teen year of age, always using the ferruts; near three months, and close upon dying. and I bred from them, too, -indeed, I've still Whether it was the poison of the bite, or the got the 'strain' (breed) of them same ferruts medicine the doctor give me, I can't say; but by me now. I've sold them ferruts about the flesh seemed to swell up like a bladder - everywhere; to Jim Burn I've sold some of regular blowed like. After all, I think I cured the strain; and to Mr. Anderson, the promyself by cheating the doctor, as they calls it; vision-merchant; and to a man that went to for instead of taking the medicine, I used to go | Ireland. Indeed, that strain of ferruts has

ways let them loose, and put a bell on mine- | largest dog-fanciers we have. To make the for working dwellings, or you'll lose them as | For God's sake, Jack, take the ferrut off. safe as death. I've had 'em go away two I didn't like to intrude myself upon the comcome back to me. In Grosvenor-street I was | horrerfied, and Jimmy himself was in a dreadand nearly cleared the house-which is the forced my thumb into his mouth and loosed Honourable Mrs. F----'s-before they came | him, and he killed a dozen rats after that. back to me.

well trained. They are very savage, and will I didn't like to holla, but it was dreadful attack a man or a child as well as a rat. It painful.' His lip swole up directly as big as a was well known at Mr. Hamilton's at Hamp- | nigger's, and the company made a collection stead - it's years ago this is - there was a for the lad of some dozen shillings. This ferrut that got loose what killed a child, and shows that, although a ferrut will kill a rat, was found sucking it. The bite of 'em is very | yet, like the rat, it is always wicious, and will dangerous—not so pisonous as a rat's—but attack the human frame. very painful; and when the little things is | hungry they'll attack anythink. I've seen two bird-fancying. I was very fond of the sombre of them kill a cat, and then they'll suck the linnet. I was very successful in raising them, blood till they fills theirselves, after which and sold them for a deal of money. I've got they'll fall off like leeches.

more dangerous than the ferrut in their bite. | Coal-yard, Drury-lane. I give him 21. for one I had a stoat once, which I caught when out of the periwinkle strain, but afterwards I ratting at Hampstead for Mr. Cunningham, heard of a person with, as I thought, a better the butcher, and it bit one of my dogs-|strain-Lawson of Holloway-and I went Black Bess by name, the truest bitch in the and give him 30s. for a bird. I then ris world, sir—in the mouth, and she died three | them. I used to go and ketch the nestlings days arterwards at the Ball at Kilburn. I off the common, and ris them under the old was along with Captain K-, who'd come trained birds. out to see the sport, and whilst we were at dinner, and the poor bitch lying under my chair, my boy says, says he, 'Father, Black Bess is dying; and had scarce spoke the teach the young ones. I used to molt them speech when she was dead. It was all through the bite of that stoat, for I opened the wound in the lip, and it was all swole, and dreadful ulcerated, and all down the throat it | did not sing perfectly I used to sell 'em as was inflamed most shocking, and so was the cast-offs. lungs quite red and fiery. She was hot with work when she got the bite, and perhaps that are four-and-twenty changes in a linnet's song. made her take the pison quicker.

holding the ferrut up to his mouth and giving poy chowls; rattle; pipe; fear; pugh and poy. it spittle, when the animal seized him by the "This seems like Greek to you, sir, but it's human frame. Young Shaw still held the the same as the 'rattle.' ferrut in his hand whilst it was fastened to his | "I know the sounds of all the English

arranged in a peculiar manner, which is a ferrut leave go of young Shaw, they bit its secret—and I then puts him into the main | feet and tail, and it wouldn't, 'cos—as I could run of the rats, and lets him go to work. have told 'em -it only made it bite all the But they must be ferruts that's well trained more. At last Mr. George, says he to me, houses off, and come back to me. My ferruts pany before, not being in my own place, and is very tame, and so well trained, that I'd put I didn't know how Jimmy would take it. Everythem into a house and guarantee that they'd body in the room was at a standstill, quite clearing once, and the ferruts went next door, ful way for his boy. I went up, and quietly They all said, 'Bravo, Jack, you are a plucked "Ferruts are very dangerous to handle if not one; and the little chap said, Well, Jack,

"When I was about fifteen, sir, I turned to the strain of them by me now. I've ris them "The weasel and the stoat are, I think, from some I purchased from a person in the

> "Originally linnets was taught to sing by a bird-organ - principally among the weavers, years ago,-but I used to make the old birds off in the dark, by kivering the cages up, and then they'd learn from hearing the old ones singing, and would take the song. If any

." The linnet's is a beautiful song. There It's one of the beautifullest song-birds we've "To give you a proof, sir, of the savage got. It sings 'toys,' as we call them; that is, nature of the ferruts, I was one night at it makes sounds which we distinguish in the Jimmy Shaw's, where there was a match to fancy as the 'tollock eeke eeke quake le come off with rats, which the ferrut was to wheet; single eke eke quake wheets, or eek eek kill; and young Bob Shaw (Jim's son) was quake chowls; eege pipe chowl: laugh; eege

lip, and bit it right through, and hung on as the tunes we use in the fancy. What we terms tight as a vice, which shows the spitefulness 'fear' is a sound like fear, as if they was of the ferrut, and how it will attack the frightened; 'laugh' is a kind of shake, nearly

lip, and he was saying, 'Oh, oh!' in pain. You birds, and what they say. I could tell you see, I think Jim kept it very hard to make it about the nightingale, the black cap, hedge kill the rats better. There was some noble- warbler, garden warbler, petty chat, red start men there, and also Mr. George, of Kensal — a beautiful song-bird—the willow wren— New-town, was there, which is one of the little warblers they are -linnets, or any of



VAGRANT FROM THE REFUGE IN PLAYHOUSE YARD, CRIPPLEGATE.

[From a Photograph.]

them, for I have got their sounds in my ear | wood's in Drury-lane, and won the return and my mouth."

responded to, they uttered a different sound.

In fact, he gave me the whole of the conversation he usually carried on with the he did this by giving their entire song. His each. cheeks and throat seemed to be in constant | "When I found I was a master of the

by which he distinguishes that it is "uneasy | the rummest bargain I ever made. with curiosity," or that it has settled on a tree. the chirps which distinguished any action in hibiting; one in particular - Jimmy. the bird up to the point when, as he told me, to the ground with its pitch."

a nightingale in less than five minutes; as all in the room. soon as he calls, I calls to him with my mouth, and he'll answer me (both by night or day), either from a spinny (a little copse), a dell, scrapes, (that is, clear away the dirt), set my traps, and catch 'em almost before I've tried that nightingales is scarce, still those who can that they are plentiful enough - almost like the lark. You see persons fancy that them nightingales as sings at night is the only ones living, but it's wrong, for many on them only sings in the day.

eighteen, I was beginning to get such a judge and I made application to Mr. Westley, who name of Jackson, the first young un that I of it, and then it was wrote to me that I was

match at my own place in High-street, Mara-As if to prove this, he drew from a side- bun. It was in the presence of all the fancy. pocket a couple of tin bird-whistles, which He's moulted pied (pie-bald) since, and gone were attached by a string to a button-hole. a little white on the head and the back. We He instantly began to imitate the different only sang for two pounds a side—it wasn't a birds, commencing with their call, and then great deal of money. In our matches we sing explaining how, when answered to in such a by both gas and daylight. He was a masterway, they gave another note, and how, if still baker I sang against, but I forget his name. They do call him 'Holy Face," but that's a nick-name, because he's very much pockmarked. I wouldn't sell that bird at all for different kinds of birds, each one being as it anythink; I've been offered ten pounds for it. were in a different language. He also showed | Captain K — put ten sovereigns down on me how he allured them to him, when they the counter for him, and I wouldn't pick 'em were in the air singing in the distance, and | up, for I've sold lots of his strain for a pound

motion as he filled the room with his loud | birds, then I turned to my rat business again. imitations of the lark, and so closely did he I had a little rat dog — a black tan terrier of resemble the notes of the bird, that it was no the name of Billy—which was the greatest longer any wonder how the little things could stock dog in London of that day. He is the father of the greatest portion of the small In the same manner he illustrated the songs black tan dogs in London now, which Mr. of the nightingale, and so many birds, that I Isaac, the bird-fancier in Princes-street, purdid not recognise the names of some of them. chased one of the strain for six or seven He knew all their habits as well as notes, and pounds; which Jimmy Massey afterwards repeated to me the peculiar chirp they make on | purchased another of the strain, for a monkey, rising from the ground, as well as the sound | a bottle of wine, and three pounds. That was

"I've ris and trained monkeys by shoals. Indeed, he appeared to be acquainted with all Some of mine is about now in shows ex-

"One of the strain of this little black tan it "circles about, and then falls like a stone | dog would draw a badger twelve or fourteen lbs. to his six lbs., which was done for a "The nightingale," he continued, "is a wager, cos it was thought the badger had his beautiful song-bird. They're plucky birds, too, | teeth drawn, but he hadn't, as was proved by and they hear a call and answer to anybody; his biting Mr. P-from Birmingham, for he and when taken in April they're plucked enough | took a piece clean out of his trousers, which to sing as soon as put in a cage. I can ketch was pretty good proof, and astonished them

"I've been offered a sovereign a-pound for some of my little terriers, but it wouldn't pay me at that price, for they weren't heavier than or a wood, wherever he may be. I make my two or three pounds. I once sold one of the dogs, of this same strain, for fourteen pounds, to the Austrian Ambassador. Mrs. H my luck. I've ketched sometimes thirty in a the banker's lady, wished to get my strain of day, for although people have got a notion terriers, and she give me five pounds for the use of him; in fact, my terrier dog was known distinguish their song in the daytime know to all the London fancy. As rat-killing dogs, there's no equal to that strain of black tan terriers.

"It's fifteen year ago since I first worked for Goverment. I found that the parks was "You see it was when I was about minded the bridges and gnawed the drains, much infested with rats, which had underabout birds, sir. I sold to a butcher, of the was superintendent of the park, and he spoke amade money out of—for two pounds it was— to fulfil the siterwation, and I was to have and I've sold loads of 'em since for thirty six pounds a-year. But after that it was shillings or two pounds each, and I've got altered, and I was to have so much a head, the strain by me now. I've also got by me which is threepence. After that, Newton, now the bird that won the match at Mr. Lock- what was a warmint destroyer to her Majesty,

dying, I wrote in to the Board of Hordnance, | when they appointed me to each station in success; for, bless you, I couldn't go a yard London—that was, to Regentsey-park-barracks, to the Knightsbridge and Portland. barracks, and to all the other barracks in the metropolis. I've got the letter now by me, in which they says 'they is proud to appint me.'

and every kind.

about the streets exhibiting with rats. I becattle. I thought that by having a kind of

breeches, and a green coat and scarlet waist- always tested its wirtues by killing a rat with kit, and a goold band round my hat, and a lit afore the people's own eyes. belt across my shoulder. I used to make a the uniform of the Queen's rat-ketcher.

pewter-pots."

claimed—

the metal.

with." Black, "used to come to see me do the casting feller there—a tailor by trade—what had

"When the belt was done, I had a great without a crowd after me.

"When I was out with the cart selling my composition, my usual method was this. I used to put a board across the top, and form a kind of counter. I always took with me a iron-"I've taken thirty-two rats out of one hole wire cage—so big a one, that Mr. Barnet, a in the islands in Regentsey-park, and found in | Jew, laid a wager that he could get into it, and it fish, birds, and loads of eggs - duck-eggs, he did. I used to form this cage at one end of the cart, and sell my composition at the other. "It must be fourteen year since I first went | There were rats painted round the cart—that was the only show I had about the wehicle. I gan with a cart and a'most a donkey; for used to take out the rats, and put them outside it was a pony scarce bigger; but I've had the cage; and used to begin the show by putting three or four big horses since that, and ask | rats inside my shirt next my buzzum, or in my anybody, and they'll tell you I'm noted for my | coat and breeches pockets, or on my shoulder —in fact, all about me, anywhere. The people costume, and the rats painted on the cart, and | would stand to see me take up rats without going round the country, I should get my being bit. I never said much, but I used to name about, and get myself knowed; and so | handle the rats in every possible manner, I did, for folks 'ud come to me, so that some- letting 'em run up my arm, and stroking their times I've had four jobs of a-day, from people | backs and playing with 'em. Most of the seeing my cart. I found I was quite the people used to fancy they had been tamed on master of the rat, and could do pretty well purpose, until they'd see me take fresh ones what I liked with him; so I used to go round from the cage, and play with them in the same Finchley, Highgate, and all the sububs, and manner. I all this time kept on selling my show myself, and how I handled the warmint. | composition, which my man Joe used to offer "I used to wear a costume of white leather about; and whenever a packet was sold, I

"I once went to Tottenham to sell my comfirst-rate appearance, such as was becoming position, and to exhibit with my rats afore the country people. Some countrymen, which "Lor' bless you! I've travell'd all over said they were rat-ketchers, came up to me London, and I'll kill rats again anybody. whilst I was playing with some rats, and said I'm open to all the world for any sum, from | -- Ugh, you're not a rat-ketcher; that's not one pound to fifty. I used to have my belts the way to do it.' They were startled at seeing painted at first by Mr. Bailey, the animal me selling the pison at such a rate, for the painter - with four white rats; but the idea | shilling packets was going uncommon well, sir. come into my head that I'd cast the rats Isaid, 'No, I ain't a rat-ketcher, and don't know in metal, just to make more appearance for nothink about it. You come up and show me the belt, to come out in the world. I was how to do it.' One of them come up on the nights and days at it, and it give me a deal of cart, and put his hand in the cage, and curous bother. I could manage it no how; but by my enough he got three bites directly, and afore own ingenuity and persewerance I succeeded. he could take his hands out they was nearly A man axed me a pound a-piece for easting the | bit to ribands. My man Joe, says he, 'I tell rats—that would ha' been four pound. I was | you, if we ain't rat-ketchers, who is? We are very certain that my belt, being a handsome the regular rat ketchers; my master kills 'em, one, would help my business tremenjous in and then I eats 'em'-and he takes up a live the sale of my composition. So I took a one and puts its head into his mouth, and I mould from a dead rat in plaster, and then | puts my hand in the cage and pulls out six or I got some of my wife's sarsepans, and, by seven in a cluster, and holds 'em up in the air, G-, I casted 'em with some of my own without even a bite. The countrymen bust out laughing; and they said, 'Well, you're the best The wife, who was standing by, here ex- we ever see.' I sold near 4l. worth of composition that day.

"Oh, my poor sarsepans! I remember 'em. | "Another day, when I'd been out flying There was scarce one left to cook our wittels | pigeons as well—carriers, which I fancies to— I drove the cart, after selling the composition, "Thousands of moulders," continued Jack to the King's Arms, Hanwell, and there was a of the rats, and they kept saying, 'You'll never | turned rat-ketcher. He had got with him some do it, Jack.' The great difficulty, you see, was fifty or sixty rats—the miserablest mangey casting the heye-which is a black bead-into | brutes you ever seed in a tub-taking 'em up to London to sell. I, hearing of it, was deter-

got a bigger one here,' and I pulls one out infests grates, floorings, and such-like. from my buzzum. 'And here's another, and "This must be the Queen's rat-ketcher, and that for sterminating, and yet here they are." spilt the fun. The poor fellow seemed regular thing afore.'

feeding my horse and all.

which is dreadful nasty.

"There's the house ant too, which there is | "I once went to Mr. Hollins's, in Edward-

mined to have a lark, so I goes up and takes | at the William the Fourth public-house. cut ten of them rats, and puts them inside my | Hampstead; she couldn't lay her child's clothes shirt, next my buzzum, and then I walks into down without getting 'em full of ants. They've the parlour and sits down, and begins drinking got a sting something in feel like a horse-fly's, my ale as right as if nothink had happened. and is more annoying than dangerous. It's I scarce had seated myself, when the landlord | cockroaches that are found in houses. They're -who was in the lay-says, 'I know a man dreadful nasty things, and will bite, and they who'll ketch rats quicker than anybody in the are equal to the Spanish flies for blistering. world.' This put the tailor chap up, so he I've tried all insects on my flesh to see how offers to bet half-a-gallon of ale he would, and they bite me. Cockroaches will undermine I takes him. He goes to the tub and brings similar to the ant, and loosen the bricks the out a very large rat, and walks with it into the same as the cricket. It's astonishing how so room to show to the company. 'Well,' says I small an insect as them will scrape away such to the man, 'why I, who ain't a rat-ketcher, I've a quantity of mortar as they do - which thing

"The beedle is a most 'strordinary thing, another, and another, says I, till I had placed which will puzzle most people to sterminate, the whole ten on the table. 'That's the way for they lays sitch a lot of eggs as I would I ketch 'em,' says I,—'they comes of their never guarantee to do away with beedles—only own accord to me.' He tried to handle the to keep them clear; for if you kills the old warmints, but the poor fellow was bit, and his ones the eggs will rewive, and young ones come hands was soon bleeding fur'ously, and I with- out of the wainskitting and sitch-like, and then out a mark. A gentleman as knowed me said, | your employers will say, 'Why you were paid

"One night in August—the night of a very done up, and said, 'I shall give up rat-ketching, heavy storm, which, maybe, you may rememyou've beat me! Here I've been travelling | ber, sir-I was sent for by a medical gent as with rats all my life, and I never see such a lived opposite the Load of Hay, Hampstead, whose two children had been attacked by rats "When I've been in a mind for travelling while they was sleeping in their little cots. I I've never sold less than ten shillings' worth | traced the blood, which had left lines from of my composition, and I've many a time sold their tails, through the openings in the lath five pounds' worth. Ten shillings' worth was | and plaster, which I follered to where my the least I ever sold. During my younger | ferruts come out of, and they must have come career, if I'd had a backer, I might, one week | up from the bottom of the house to the attics. with another, have made my clear three pounds | The rats gnawed the hands and feet of the a-week, after paying all my expenses and little children. The lady heard them crying. and got out of her bed and called to the servant "I challenge my composition, and sell the to know what the child was making such a art of rat-destroying, against any chemical rat- noise for, when they struck a light, and then destroyer in the world, for any sum—I don't | they see the rats running away to the holes; care what it is. Let anybody, either a medical | their little night-gownds was kivered with or druggist manufacturer of composition, come | blood, as if their throats had been cut. I asked and test with rats again me, and they'll pretty | the lady to give me one of the night-gownds to soon find it out. People pay for composition keep as a cur'osity, for I considered it a phecinstead of employing the Queen's rat ketcher, nomenon, and she give it to me, but I never what kills the warmint and lays down his com- was so vexed in all my life as when I was told position for nothink into the bargain likewise. the next day that a maid had washed it. I went "I also destroy black beedles with a com- down the next morning and sterminated them position which I always keep with meagain it's rats. I found they was of the specie of rat wanted. I often have to destroy the beedles in | which we term the blood-rat, which is a dreadwine-cellars, which gnaw the paper off the ful spiteful feller-a snake-headed rat, and bottles, such as is round the champagne and infests the dwellings. There may have been French wine bottles. I've killed lots of some dozens of 'em altogether, but it's so long beedles too for bakers. I've also sterminated ago I a'most forget how many I took in that some thousands of beedles for linen-drapers house. The gent behaved uncommon handand pork-sassage shops. There's two kinds of some, and said, 'Mr. Black, I can never pay beedles, the hard-shell and the soft-shell you for this; and ever arterwards, when I becdle. The hard-shell one is the worst, and used to pass by that there house, the little that will gnaw cork, paper, and anythink dears when they see me used to call out to woollen. The soft-shell'd one will gnaw bread their mamma, 'O, here's Mr. Ratty, ma! or food, and it also lays its eggs in the food, They were very pretty little fine childrenuncommon handsome, to be sure.

some thousands of people as never saw—I street Regent's-park—a cow-keeper he was sterminate them as well. There's a Mrs. B. where he was so infested that the cows could and I leave it to you.' (He's got awful rich | the fat to me. since then.) I went to work, and I actually tock out 300 rats from one hole in the wall, which I had to carry them in my mouth and house a great quantity of table napkins and hands, and under my arms, and in my buzzum and pockets, to take them to the cage. I was carried away for the grease on 'em—shoes bit dreadful by them, and suffered greatly by and boots gnawed to pieces, shifts, aprons, the bites; but nothink to lay up for, though | gownds, pieces of silk, and I don't know what very painful to the hands. To pervent the rats | not. Sarvants had been discharged accused of from getting out of the hole, I had to stop it stealing them there things. Of course I had up by putting my breast again it, and then they to give them up; but there they was. was jumping up again me and gnawing at my waistkit. I should think I sterminated 500 from them premises. Ah! I did wonders round there, and everybody was talking of my

some and generous, and gives me a recomup again the bull. The bull was very savage, and then I come to.

"Whilst doing that job at Mrs. Brown's I had to lie down on the ground, and push my bit, for I was obleeged to handle them any-

name of John, and he wouldn't believe about | times to make sure of this; and each time my the rats, and half thought I brought 'em with | little dog told me it was true. You see a wellme. So I showed him how to ketch rats.

lifted them up. I have had at times to put | board to get him out. half my body into a hole and thrust down my | "I've ratted for years for Mr. Hodges, of arm just like getting rabbits out of their bur- Hodges and Lowman's, in Regent-street; and

holes, for the rats make such big ones, there's for the children, at Hampstead; so I went plenty of room. There was a Mrs. Perry in there, and witnessed, certainly, the most cur-Albany-street, that kept an oil and coke shop ous circumstance, which puzzles me to this -she were infested with rats dreadful. Three day. I had to lay on my belly half in the hole of her shop-boys had been sent away on sus- and pull out the rats; and, on looking at

not lay down or eat their food, for the rats used | the rats, for between the walls and the vault to go into the manger, and fight at 'em. Mr. I found a hundred and a half of fat stowed Hollins said to me, 'Black, what shall I give away. The rats was very savage, and I should you to get rid of them rats?' and I said to him, think there was 200 of them. I made a good says I, 'Well, Mr. Hollins, you're a poor man, bit of money by that job, for Mrs. Perry give

"I have had some good finds at times, rathunting. I found under one floor in a gent's silver spoons and forks, which the rats had

"I was once induced to go to a mews in Tavistock-place, near Russell-square, which was reg'lar infested by rats. They had sent to a man before, and he couldn't do nothink with 'em, but I soon sterminated them. The rats "I'll tell you about another cow-keeper's, there had worried a pair of beautiful chestnut which Mr. Hollins was so gratified with my horses, by gnawing away their hoofs and skill what I had done, that he pays me hand- | nearly driving them mad, which I saw myself. and there was all their teeth-marks, for I mendation to Mrs. Brown's, of Camden-town, | could scarcely believe it myself till I see it. I and there I sterminated above 700 rats; and I found them near a cart-load of common was a-near being killed, for I was stooping | bricks, under the floor, and near the partition down under the manger, when a cow heerd the of the stable, which, when the men pulled ratssqueak, and she butts at me and sends me | the wood-work down, the coachman, says he, 'Well, rat-ketcher, if you'd been employed years and I fainted; but I was picked up and washed, ago a deal more corn would have gone into the horses.'

"This coachman give me a recommendato a muffin-maker in Hanway-yard, and I went naked arm into the hole till I could reach the | there and killed the rats. But a most sing lar rats as I'd driven up in the corner, and then | thing took place there; my ferret got away pull them out with my hand. I was dreadful | and run through into a house in Oxford-street kept by a linen-draper, for the young men how; my flesh was cut to ribands and dreadful come to say that the rat-ketcher's ferret was in their shop, and had bit one of their lady "There was a man Mrs. Brown had got of the | customers. I worked the ferrut through three trained dog will watch and stand and point to "You see rats have always got a main run, the ferrut working under ground just as a and from it go the branch runs on each side pinter does to game; and although he's above like on a herring-bone, and at the end of the ground, yet he'll track the ferrut through the branch runs is the bolt-holes, for coming in | runs underneath by the smell. If the ferrut and out at. I instantly stopped up all the is lost—which I tell by the dog being uneasy bolt-holes and worked the rats down to the | -I say to the dog, 'Hi, lost;' and then he inend of the main run, then I broke up the stantly goes on scent, and smells about in branch runs and stopped the rats getting back, | every direction, and I follers him, till he and then, when I'd got 'em all together at the stands exactly over the spot where it may be, end of the main run, I put my arm down and | and then I have either to rise a stone or lift a

he once said to me, that he was infested "Sometimes I have to go myself into the dreadful with rats at the house, which he took picion of stealing fat, instead of which it was them, as I brings them up, I am astonished

to find that nearly every one of them is blind, | cage, placed in my sitting-room, and a gent's over me before I ketched them.

"Rats are everywhere about London, both there. There was 200 and odd. They had underminded the oven so, that they could neither bile nor bake; they had under-pinioned the stables, and let every stone down throughunder a big leaden cistern which the rats had under-pinioned, and I expected it would come down upon me every minute. I had one little the cook and the butler. He didn't behave well to me—the gent didn't—for I had to go after the use of my skill; and I had to tell the about it, or even thought of it. lawyer I'd pawn my bed to stick to him and isn't the right thing for Portland-place.

the dead one's skins out like pusses, and cat the fiesh off beautiful clean. I've got cages of back again. iron-wire, which I made myself, which will hold 1000 rats at a time, and I've had these another about, —it's astonishing, so it is! I them in a cage so full; but if you don't feed them every day, they'll fight and eat one ano-

ther—they will, like cannibals. "I general contracts with my customers, by the year, or month, or job. There's some gents I've worked for these fifteen yearssitch as Mr. Robson, the coach-builder, large tobacconist, the Commercial Life Assuwherever I went I've cleared the rats right largest was in a hundred match. out, and so my customers have fell off. I have | "I also sterminate moles for her Majesty, you about Jack Black.

and has a speck in the eye. I was never so dog happened to get at the cage, and undid much astonished in my life, for they was as a the door, snuffing about, and let 'em all loose. wall-eyed dog might be. I supposed it to be | Directly I come in I knew they was loose by from lightning (I couldn't account for it no the smell. I had to go on my knees and stoother ways), for at that time there was very much under the beds and sofas, and all over heavy lightning and floods up there, which | the house, and before twelve o'clock that night maybe you might remember, sir. They was I had got 'em all back again into the cage, and chiefly of the blood-rat specie - small snake- | sold them after for a match. I was so fearful headed rats, with a big, fine tail. They was they'd get gnawing the children, having stervery savage with me, and I had them run all minated them in a house where children had been gnawed.

"I've turned my attention to everything in rich and poor places. I've ketched rats in connected with animals. I've got the best 44 Portland-place, at a clergyman's house composition for curing the mange in a horse or a dog, which has reg'lar astonished medical gents. I've also been bit by a mad dog—a black retriever dog, that died raving mad in a cellar afterwards. The only thing I did was, out the premises, pretty well. I had to crawl I washed the wound with salt and water, and used a turpentine poultice."

> Mrs. Black here interposed, exclaiming,— "O dear me! the salt and water he's had to

ferrut kill thirty-two rats under one stone, and | his flesh, it ought to be as hard as iron. I've I lifted the dead ones up in the presence of seen him put lumps of salt into his wounds."

Mr. Black then continued:—

"I never had any uneasiness from that bite to my lawyer's afore I could get paid, and of a mad dog; indeed, I never troubled myself

"I've caught some other things besides rats get my earnings; but, after all, I had to take in my time. One night, I saw a little South one-third less than my bill. This, thinks I, African cat going along the New-road. I thought it was a cur'ous specie of rat, and "Rats will eat each other like rabbits, | chased it, and brought it home with me; but which I've watched them, and seen them turn | it proved to belong to Mr. Herring's menagerie in the New-road, so I let him have it

"Another time I met with two racoons, which I found could handle me just as well as I could cages piled up with rats, solid like. No one handle a rat, for they did bite and scratch would ever believe it; to look at a quantity of awful. I put 'em in the cart, and brought rats, and see how they will fight and tear one them home in a basket. I never found out to whom they belonged. I got them in Ratcliffenever found any rats smothered, by putting highway, and no doubt some sailors had brought them over, and got drunk, and let 'em loose. I tried them at killing rats, but they weren't no good at that.

"I've learnt a monkey to kill rats, but he wouldn't do much, and only give them a good shaking when they bit him. After I found the racoons no good, I trained a badger to kill Mivart's Hotel, Shoulbreds', Mr. Lloyds, the rats, and he was superior to any dog, but very difficult in training to get him to kill, though rance, Lord Duncannon's, and I can't recollect | they'll kill rabbits fast enough, or any other how many more. My terms is from one kind of game, for they're rare poachers are guinea to five pounds per annum, according | badgers. I used to call her Polly. She killed to the premises. Besides this, I have all the in my own pit, for I used to obleege my rats that I betch, and they sell for threepence | friends that wouldn't believe it possible with each. But we done my work too well, and the sight. She won several matches—the

got the best testimonials of any man in Lon- and the Woods and Forests, and I've stermidon, and I could get a hatful more to-morrer. nated some hundreds for different farmers in Ask anybody I've worked for, and they'll tell the country. It's a cur'ous thing, but a mole will kill a rat and eat it afterwards, and two "One night I had two hundred rats in a moles will fight wonderful. They've got a

fighting them at all.

"I've bred the finest collection of pied rats which has ever been knowed in the world. I had above eleven hundred of them—all warie-

gated rats, and of a different specie and colour, and all of them in the first instance bred from the Norwegian and the white rat, and afterwards crossed with other specie.

"I have ris some of the largest tailed rats at Hampstead; and the black ones at Messrs. me. Hodges and Lowman's, in Regent-street, and them I bred in. I have 'em fawn and white, black and white, brown and white, red and white, blue-black and white, black-white and

had the 'happy family' showing about Lon- 'em. don, has had hundreds from me. They got where Cantello's hatching-eggs machine was, about. I sold a sow and six young ones for ten shilfor, being so docile, like a sow sucking her pigs."

THE SEWERMAN.

HE is a broad-shouldered, strongly-built man. with a stoop in his shoulders, and a rather dull cast of features; from living so much in the "shores" (sewers), his eyes have assumed a peering kind of look, that is quite rat-like in its furtiveness.

He answered our questions with great good humour, but in short monosyllabic terms, peculiar to men who have little communion with and ketch two dozen in three hours, and that their fellows.

The "parlour" in which the man lives was mint as wants to be destroyed. literally swarming with children when we paid him a visit (they were not all "belonging" to selves beat, and sometimes fly at your hand. him). Nor was it quite pleasant to find that | Sometimes I've got bit—not very badly, the smell of the tea, which had just been made, was overpowered by the odour of the rats | When they grip, they do holt so tight before which he keeps in the same room.

apartment, and gave rather a slovenly aspect | teen year, ever since this flushing comto the room, not otherwise peculiar for its un- menced. I was put on by the Commissioners tidyness; against the wall were pasted some in Hatting Garding; but the Commissioners children's "characters," which his second son, is all done away with since Government took who is at the coal-shed, has a taste for, and to it. I'm employed by the parish now. which, as the "shoreman" observed, "is Every parish has to do its own flushing.
better than sweet-stuff for him, at all events." "We cleanses away all the soil what's down

mouth exactly like a shark, and teeth like! A little terrier was jumping playfully about saws; ah, a wonderful saw mouth. They're a | the room, a much more acceptable companion very sharp-biting little animal, and very pain- than the bull-dog whose acquaintance we had ful. A rat is frightened of one, and don't like | been invited to make (in the same court) by the ' rat-killer."

The furniture and appointments of the parlour" were extremely humble—not to say meagre in their character. After some trouble in getting sufficiently lucid answers, the following was the result:—

"There are not so many rats about as there used to be—not a five-hundredth part so many. I've seen long ago twenty or thirty in ever seen. I've sent them to all parts of the a row near where the slaughter-houses are, globe, and near every town in England. When | and that like. I ketch them all down the I sold 'em off, three hundred of them went to shores. I run after them and pick them up France. I ketched the first white rat I had with my hand, and I take my lantern with

> "I have caught rats these six or seven years. When the money got to be lowered, I took to ketching on them. One time I used to take a dog with me, when I worked down St. John's-wood way.

"People come from all parts of London to | "They fetches all prices, does rats; some I see them rats, and I supplied near all the get threepence a-piece for, some twopence, 'happy families' with them. Burke, who some twopence-halfpenny—'cordin' who has

"I works on the shores, and our time to very tame, and you could do anythink with leave off is four. I comes home and gets my them. I've sold many to ladies for keeping | tea, and if there's sale for them, why I goes in squirrel cages. Years ago I sold 'em for out and ketches a few rats. When I goes out five and ten shillings a-piece, but towards the I can ketch a dozen; but, years ago, I could end of my breeding them, I let 'em go for ketch two or three dozen without going so two-and-six. At a shop in Leicester-square, far, and that shows there's not so many now

"I finds some difficulty in ketching on lings, which formerly I have had five pounds them. If they gets into the drain you can't get 'em. Where the drains lay low to the shore it's most difficult, but where the drain is about two feet and a-half from the shore

you gets a better chance. "Three or four dozen I used to ketch, but I haven't ketched any this last two or three weeks. In this hot weather people don't like to be in a room where 'killing' is going on; but in the winter time a man will have his pint of beer and see a little sport that way. Three or four year ago I did ketch a good many; there was a sale for 'em. I could go sooner than I can do a dozen now. It's var-

"Rats'll turn round when they finds theirthough. To tell the truth, I don't like it. they'll let go.

The week's wash was hanging across the "I've been a shoreman these fifteen or six-

below, and keeps the shore as sweet as what | rats to a dealer, but if I takes 'em to the pit we possibly can.

shores, and before that, I was in the country | shillings a-dozen. at farmers' work.

some here, if I was to get sixpence a-piece | 'em. for, why it wouldn't pay me for their feed. I who gets their own price for 'em if there's a | carrying out coals and such-like."

"Time ago you couldn't get a rat under sixpence. But the tax on dogs has done would swarm with rats if they hadn't been shores and only see one or two now, someketch one.

"As for poisonin' 'em under buildings, that's wrong; they're sure to lay there and a'n't no good, specially where there's many on of doing something for himself.

what they call rat-ketcher to her Majesty.

lug about.

"Some parts of the shores I can find my way about better than I can up above. I might.

ters' as goes about with a sieve, and near the story: gratings find perhaps a few ha'pence. Year's we may go about now and not find twopence in | cheap articles,—nothing beyond a penny,—in a week. I don't think any shoreman ever finds sawed and planed pine-wood. I manufacmuch. But years ago, in the city, perhaps a ture penny and halfpenny money-boxes, robbery might be committed, and then they penny and halfpenny toy bellows, penny carts,

many hills to climb.

myself I gets three shillings. Rats has come "Before I took to this life I was what they down lately. There's more pits, and they call a navvy; I used to help to make the kills 'em cheaper; they used to kill 'em at six

"I've got five children. These here are "Ketching them rats ain't all profit, 'cause not all belonging to me. Their mother's you have to keep 'em and feed 'em. I've gone out a nussing, and my wife's got to mind

"My oldest son is sixteen. He's off for a give them barley generally, and bits of bread. | sailor. I had him on me for two years doin' "There's a many about now ketchin' who nothink. He couldn't get a place, and todoes nothink else, and who goes down in the wards the last he didn't care about it. He shores when they have no business there at | would go to sea; so he went to the Marine all. They does well by rats when they've School, and now he's in the East Ingy Sarvice. good call for 'em. They can go down two or My second is at a coal-shed. He gets three three times a-day, and ketch a dozen and a shillings a-week; but, Lord, what's that? Hehalf a time; but they can't do much now, eats more than that, let alone clothes, and he there's no killing going on. They takes 'em | wears out such a lot of shoe-leather. There's to beer-shops, and sells 'em to the landlords, a good deal of wear and tear, I can tell yer, in

THE PENNY MOUSE-TRAP MAKER.

away wonderful with rat-killing. London This man lived in a small cottage at the back of Bethnal Green-road, and the little ketched as they has been. I can go along railed space in front of the humble dwelling was littered with sundry evidences of the intimes see none. Times ago I've drove mate's ingenuity. Here was a mechanical away twenty or thirty afore me. Round carriage the crippled father had made to drive Newport-market I've seen a hundred together, himself along, and a large thaumatrope, or and now I go round there and perhaps won't disc of painted figures, that seemed to move while revolving rapidly before the eye; and this, I afterwards learnt, the ingenious cripple had made, as a street exhibition, for a poor rot, and then they smells so. No, pisoning man, whom he was anxious to put in the way

The principal apartment in the little two-"I've sold Jack Black a good many. He roomed house was blocked up with carpenters' don't ketch so many as he gets killed. He's benches, and long planks were resting against the wall, while the walls themselves were partly "When I goes rat-ketching, I generally covered with tools and patterns of the craft takes a bag with me; a trap is too much to pursued; and in one corner there were heaps of the penny mouse-traps and penny money-boxes, that formed the main articles of manufacture.

In a little room adjoining this, and about the could get in nigh here and come out at High | size of a hen-house, I found the cripple him-Park; only the worst of it is, you're always on | self in bed, but still sitting up with a small the stoop. I never heerd talk of anybody desk-like bench before him, and engaged in the losing theirselves in the shores, but a stranger | act of cutting and arranging the wires for the little wooden traps in which he dealt. And as "There's some what we calls 'gully-hun- I sat by his bedside he told me the following

"I am," he said, "a white-wood toy-maker, ago we used to find a little now and then, but in a small way; that is, I make a variety of might be afraid of being found out, and chuck penny garden-rollers, penny and halfpenny the things down the drains. penny garden-rollers, penny and halfpenny dolls' tables and washhand-stands, chiefly "I come from Oxfordshire, about four miles | for baby-houses; penny dressers, with drawers, from Henley-'pon-Thames. I haven't got now for the same purpose; penny wheelbarrows quite so many clods to tramp over, nor so and bedsteads; penny crossbows; and the mouse-trap that I am about now. I make all "I gets two shillings a-dozen if I sells the the things I have named for warehouses—for

there that what I am saying is perfectly correct, for there is the price put to every article; above one half for material. I think, altogeworked for last year came to about 1201.—I can't lay my hands on the bills just now.— Yes, it's about 1201. I know, for our income,—

what are called the cheap Birmingham and | benefit of it. It gives a man a greater insight Sheffield houses. I am paid the same price into the world and creation, and it makes his for whatever I make, with the exception of labour a pleasure and a pride to him, when he the mouse-trap. For the principal part of can work with his head as well as his hands. the penny articles that I make I get 7s. I think I have made, altogether, about one for twelve dozen, that is 7d. a-dozen; hundred and six gross of mouse-traps for the and for the halfpenny articles I get 3s. 6d., master whose account I have given you, and at the rate of 31d. a-dozen. For the penny as many more for other employers, in the mouse-traps, however, I am paid only It. for course of the last year. I calculate that I made thirty-six dozen, and that's a shilling less than more than thirty thousand mouse-traps from I get for the same quantity of the other January to December, 1849. There are three shilling articles; whilst for the penny boxes or four other people in London making penny I'm paid only at the rate of a halfpenny each. | mouse-traps, besides myself. I reckon they may "You will please to look at that, sir," he said, make among them near upon half as many as handing me his account-book with one of his I do; and that would give about forty-five or employers for the last year; "you will see | fifty thousand penny mouse-traps made in London in the course of the year. I myself brought out the penny mouse-trap in its imand it is but right that you should have proof proved shape, and with the improved lever that what I'm a-telling you is the truth. I spring. I have no calculations as to the numtook of one master, for penny mouse-traps ber of mice in the country, or how soon we alone, you perceive, 361. 10s. from January to | should have caught them if we go on at this December, 1849; but that is not all gain, rate; but I think my traps have to do with that. you'll understand. Out of that I have to pay | They are bought more for toys than for use, though they are good for mice as well as chilther, my receipts of the different masters I | dren; and though we have so many dozen mousetraps about the house, I can assure you we are more troubled with mice here than most people. The four of us here can make twenty-four that is, my clear gains is about 11. to 11. 5s. dozen traps in the day, but that is all we can every week. So, calculating more than one get through comfortable. For eighteen dozen half what I take to go for the expense for ma- | we get about 10s. at the warehouse, and out of terial, that will bring it to just about to what I that I reckon our clear gains are near upon I state. To carn the 25s. a-week, you'll under- 4s., or a little less than 1s. a head. Take one stand, there are four of us engaged,-myself, with the other, we can earn about a penny an my wife, my daughter, and son. My daugh- hour; and if it wasn't for me having been a ter is eighteen, and my son eleven: that is my | tailor originally, and applying some of my old boy, sir; he's reading the Family Friend just tools to the business, we shouldn't get on now. It's a little work I take in for my girl, so quick as we do. With my shears I can for her future benefit. My girl is as fond of cut twenty-four wires at a time, and with my reading as I am, and always was. My boy thimble I thread the wires through the holes goes to school every evening, and twice on a in the sides. I make the springs, cut the Sunday. I am willing that they should find | wires, and put them in the traps. My daughter as much pleasure from reading as I have in my | planes the wood and gauges out the sides and illness. I found books often lull my pain. | bottom, bores the wire-holes and makes the Yes, I have, indeed, for many hours. For | door as well. My wife nails the frames ready nine months I couldn't handle a tool; and my for wiring, and my son fixes the wires in their only comfort was the love of my family, and places when I have entered them; then the my books. I can't afford them now, for I have | wife springs them, after which the daughter no wish to incur any extraneous expense, puts in the doors and so completes them. while the weight of the labour lies on my | I can't form an idea as to how many penny family more than it does on myself. Over and halfpenny money-boxes I made last year. and over again, when I have been in acute I might have made, altogether, eight thousand, pain with my thigh, a scientific book, or a or five thousand halfpenny and three thousand work on history, or a volume of travels, would | penny ones. I was originally brought up to carry my thoughts far away, and I should be the tailoring business, but my master failed, happy in all my misery—hardly conscious and my sight kept growing weaker every year; that I had a trouble, a care, or a pang to vex | so, as I found a good deal of trouble in getting me. I always had love of solid works. For employment at my own trade, I thought I would an hour's light reading, I have often turned to take to the bird-cage making - I had been doing a work of imagination, such as Milton's Para- | a little at it before, as a pastime. I was fond of disc Lost, and Shakspeare's Plays; but I pre- | birds, and fonder still of mechanics, so I was fer science to poetry. I think every working always practising my hands at some craft or man ought to be acquainted with general other in my over-time. I used to make science. If he is a mechanic—let his station dissected maps and puzzles, and so, when be ever so simple,—he will be sure to find the standing for employment, I managed to get

through the slack of the year. I think it is | plane up the boards and cut out the work as

solely due to my taste for mechanics and my I had done; but I thought it impossible for love of reading scientific books that I am able her to get through such hard work, even for to live so comfortably as I do in my affliction. | my sake. I knew she could do almost any-After I took to bird-cage making, I found the thing that she set her mind to, but I little employment at it so casual that I could not | dreamt that she would be able to compass that. support my family at it. This led my mind to | However, with the instinct of her affectiontoy making, for I found that cheap toys were I can't call it anything else (for she learnt at articles of more general sale. Then I got once what it had taken me months to acquire), my children and my wife to help me, and she planed and shaped the boards as well as we managed to get along somehow, for you I myself could have done after years of practice. see they were learning the business, and I | The first board she did was as cleanly done as myself was not in much of a condition to she can do it now, and when you think of the teach them, being almost as inexperienced at difficulties she had to overcome, what a mere the trade as they were; and, besides that, we | child she was, and that she had never handled were continually changing the description of a plane before, how she had the grain of the toy that we manufactured, so we had no time | wood to find out, to learn the right handling to perfect ourselves. One day we were all at of her tools, and a many little niceties of touch work at garden-rollers; the next, perhaps, we | that workmen only can understand, it does should be upon little carts; then, may-be, we seem to me as if some superior Power had should have to go to dolls' tables or wheel- inspired her to aid me. I have often heard of barrows: so that, with the continual changing | birds building their nests of the most beautiful the description of toy that we manufactured structure, without ever having seen one built from one thing to another, we had a great | before, and my daughter's handiwork seemed difficulty in getting practised in anything. to me exactly like that. It was a thing not While we were all learning you may imagine learnt by practice, but done in an instant, that, not being so quick then as we are now, without teaching or experience of any kind. we found a great difficulty in making a living She is the best creature I ever knew or ever at the penny-toy business: often we had merely heard tell of on earth—at least, so she has dry bread for breakfast, tea, and supper, but we | been to me all her life; aye, without a single ate it with a light heart, for I knew repining exception. If it hadn't been for her devotion wouldn't mend it, and I always taught myself I must have gone to the workhouse, and and those about me to bear our trials with perhaps never been able to have got away fortitude. At last I got to work regularly at from it, and had my children brought up as the mouse-traps, and having less changing we | paupers. Where she got the strength to do it learnt to turn them out of hand quicker, and is as much a mystery to me as how she did to make more money at the business: that it. Though she was but a mere child, so to was about four years ago, and then I was laid speak, she did the work of a grown man, and up with a strumous abscess in the thigh. I assure you the labour of working at the This caused necrosis, or decay of the thigh- bench all day is heavy, even for the strongest bone, to take place, and it was necessary that workman, and my girl is not over-strong now; I should be confined to my bed until such indeed she was always delicate from a baby: time as a new thigh-bone was formed, and the | nevertheless she went through the labour, and old decayed one had sloughed away. Before | would stand to the bench the whole of the day, I lay up I stood at the bench until I was ready and with such cheerful good humour too that to drop, for I had no one who could plane the I cannot but see the hand of the Almighty in boards for me; and what could I do? If I didn't it all. I never knew her to complain of fatigue, keep up, I thought we should all starve. The or ever go to her work without a smile on her pain was dreadful, and the anxiety of mind face. Her only anxiety was to get done, and I suffered for my wife and children made it to afford me every comfort in my affliction that a thousand times worse. I couldn't bear the she could. For three years and two months idea of going to the workhouse, and I kept on now have I been confined to my bed, and for my feet until I couldn't stand no longer. My two years and a half of that time I have not daughter was only sixteen then, and I saw no left it, even to breathe the fresh open air. means of escape. It was at that time my office | Almost all that period I have been suffering to prepare the boards for my family, and with- intense and continued pain from the formation out that they could do nothing. Well, sir, of abscesses in my thigh previous to the slough-I saw utter ruin and starvation before us. ing away of the decayed bones. I have taken The doctor told me it would take four years out of the sores at least two hundred pieces, before a new bone would be formed, and that some as small as needles and some not less I must lay up all the while. What was to than an inch and a half long, which required become of us all in the mean time I could not to be pulled out with tweezers from the wound. tell. Then it was that my daughter, seeing Often, when I was getting a bit better and able the pain I suffered both in body and mind, to go about in the cart you see there outside, came to me, and told me not to grieve, for that | with the gravel in it - (I made that on this bed she would do all the heavy work for me, and here, so as to be able to move about on it; the

a large piece of decayed bone projecting through it through the wound. The pain before the bone came away was often intense, especially when it had to work its way through the thick of the muscle. Night after night have I laid awake here. I didn't wish, of course, to distress the minds of my family any more than I could help. It would not have been fair; so I bore all with patience, and since I have been here little way. In bed, as I sit with my little bench, I do my share of eight dozen of these penny traps a-day. Last August I made a 'thaumatrope' for a young man that I had known since a lad of twelve years of age; he got off work and couldn't find anything to turn bear to see any one want, let alone the young ones; and so, cripple as I was, I set to work magic circles. I painted all the figures myself in this place, though I had never handled a brush before, and that has kept him in bread up to this time. I did it to cause him to exert himself, but now he has got a situation, and is doing middling to what he has been: there's one thing though, a little money, with care, will go farther than a great deal without it. I shall never be able to get about as I used, for you see the knee is set stiff and the thigh-bone is arched with the hip, so that the one leg is three inches shorter than the other. The bone broke spontaneously, like a bit of rotten wood, the other day, while I was rubbing my hand down my thigh, and in growing together again it got out of straight. I am just able to stir about now with a crutch and stick.

it was that she had learnt to plane and gauge | quantities, that were it not for negligence they

two front wheels I made myself, and the two | the boards. It seemed to come to her all of back were old ones that I repaired here. I made a sudden—quite natural-like, she told me; the whole of the body, and my daughter planed | though, she added, it was most likely her up the boards for me)-well, often when I could | affection for her poor father that made her just get along in that, have I gone about with | take to it so quick. "I felt it deeply" she said, "to see him take to his bed, and knew that my thigh, in hopes that the jolting would force | I alone could save him from the workhouse. No! I never felt tired over the work," she continued, in answer to my questions, "because I know that it is to make him comfortable."

I should add, that I was first taken to this man by the surgeon who attended him during his long suffering, and that gentleman not only fully corroborated all I heard from his ingenious and heroic patient, but spoke in the I have got through a great deal of work in my highest possible terms of both father and daughter.

FLIES.

These winged tormentors are not, like most of our apterous enemies, calculated to excite dishis hand to, so I advised him to get up an gust and nausea when we see or speak of exhibition: anything was better than starving. | them; nor do they usually steal upon us He had a wife and two children, and I can't during the silent hours of repose (though the gnat or mosquito must be here excepted), but are many of them very beautiful, and boldly here in my bed and made him a large set of make their attack upon us in open day, when we are best able to defend ourselves.

> The active fly, so frequently an unbidden guest at your table (Mouffet, 56), whose delicate palate selects your choicest viands, at one time extending his proboscis to the margin of a drop of wine, and then gaily flying to take a more solid repast from a pear or a peach now gambolling with his comrades in the air, now gracefully carrying his furled wings with his taper feet—was but the other day a disgusting grub, without wings, without legs, without eyes, wallowing, well pleased, in the

midst of a mass of excrement.

"The common house-fly," says Kirby, "is with us sufficiently annoying at the close of summer, so as to have led the celebrated Italian Ugo Foscolo, when residing here, to call it one I can sometimes treat myself to a walk about of the 'three miseries of life.'" But we know the house and yard, but that is not often, and nothing of it as a tormentor, compared with last Saturday night I did make a struggle to the inhabitants of southern Europe, "I met," get out in the Bethnal Green-road, and there, says Arthur Young, in his interesting Travels as I was coming along, my stick tripped against | through France, between Pradelles and Thurytz. a stone and I fell. If it hadn't been for my "mulberries and flies at the same time. By crutch throwing me forward, I might have the term flies, I mean those myriads of them fallen on my new bone and broken it again. which form the most disagreeable circum-But as it was, the crutch threw me forward and stances of the southern climates. They are saved me. My doctor tells me my new bone the first torments in Spain, Italy, and the olive would bear a blow, but I shouldn't like to try | district of France; it is not that they bite, after all I have gone through. I shall not be sting, or hurt, but they buzz, teaze, and worry: about again till I get my carriage done, and your mouth, eyes, ears, and nose are full of that I intend to construct so as to drive it them: they swarm on every eatable—fruit, with one hand, by means of a new ratchet sugar, everything is attacked by them in such myriads, that if they are not incessantly driven The daughter of the toy-maker, with whom away by a person who has nothing else to de, I spoke afterwards, and who was rather "good- to eat a meal is impossible. They are, how-looking," in the literal sense of the word, than ever, caught on prepared paper, and other beautiful, said that she could not describe how contrivances, with so much ease and in such

writers who treated of southern climates, that position. driving away flies was of importance. Had he thinking there was anything odd in it."-(Young's Travels in France, i. 298.)

without; so that by this simple plan, a house may be kept free from these pests, while the adjoining ones which have not had nets applied to their windows will swarm with them. In through the meshes without scruple.

the reader is referred to a paper by W. Spence, in Trans. Ent. Soc. vol. i. p. 1, and also to one in the same work by the Rev. E. Stanley, late of light or the distant view, he was enabled for the remainder of the summer and autumn to enjoy the fresh air with open windows, without the annoyance he had previously experienced from the intrusion of flies—often so troublesome that he was obliged on the hottest days to forego the luxury of admitting the air by even partially raising the sashes.

my nets than I was relieved from my disagreeable visitors. I could perceive and hear them hovering on the other side of my barriers; but though they now and then settled on the one venturing to cross the boundary."

kept, it is said there are no house-flies; a before being there, that I might have inquired as to its truth."—(Kirby and Spence's Entom. i. 102, 3.)

This short account of flies would be incomplete without a description of their mode of

could not abound in such incredible quantities. | proceeding when they regale themselves upon If I farmed in these countries, I should manure | a piece of loaf-sugar, and an account of the four or five acres every year with dead flies. I | apparatus with which the Creator has furnished have been much surprised that the learned them in order to enable them to walk on Mr. Harmer should think it odd to find, by bodies possessing smooth surfaces, and in any

"It is a remark * which will be found to hold been with me in Spain and in Languedoc in July good, both in animals and vegetables, that no and August, he would have been very far from important motion or feeling can take place without the presence of moisture. In man, the part of the eye which is the seat of vision It is a remarkable, and, as yet, unexplained is always bedewed with moisture; the skin is fact, that if nets of thread or string, with softened with a delicate oil; the sensitive part meshes a full inch square, be stretched over of the ear is filled with a liquid; but moisture the open windows of a room in summer or is still more abundant in our organs of taste autumn, when flies are the greatest nuisance, and smell than in any of the other senses. In not a single one will venture to enter from the case of taste, moisture is supplied to our mouth and tongue from several reservoirs (glands) in their neighbourhood, whence pipes are laid and run to the mouth. The whole surface, indeed, of the mouth and tongue, as order, however, that the protection should be well as the other internal parts of our body, efficient, it is necessary that the rooms to give out more or less moisture; but besides which it is applied should have the light enter this, the mouth, as we have just mentioned, by one side only; for in those which have a has a number of fountains expressly for its own thorough light, the flies, strange to say, pass use. The largest of these fountains lies as far off as the ear on each side, and is formed For a fuller account of these singular facts, of a great number of round, soft bodies, about the size of garden-peas, from each of which a pipe goes out, and all of these uniting together, form a common channel on each side. This Lord Bishop of Norwich, who, having made runs across the cheek, nearly in a line with the some of the experiments suggested by Mr. lap of the ear and the corner of the mouth, and Spence, found that by extending over the out- enters the mouth opposite to the second or side of his windows nets of a very fine pack- third of the double teeth (molares) by a hole, thread, with meshes one inch and a quarter to into which a hog's bristle can be introduced. the square, so fine and comparatively invisible | There are, besides, several other pairs of founthat there was no apparent diminution either tains, in different parts adjacent, for a similar purpose.

"We have been thus particular in our description, in order to illustrate an analogous structure in insects, for they also seem to be furnished with salivary fountains for moistening their organs of taste. One of the circumstances that first awakened our curiosity with regard to insects, was the manner in which a "But no sooner," he observes, "had I set fly contrives to suck up through its narrow sucker (haustellum) a bit of dry lump-sugar; for the small crystals are not only unfitted to pass, from their angularity, but adhere too firmly together to be separated by any force meshes, I do not recollect a single instance of the insect can exert. Eager to solve the difficulty, for there could be no doubt of the fly's "The number of house-flies," he adds, "might | sucking the dry sugar, we watched its proceedbe greatly lessened in large towns, if the stable. | ings with no little attention; but it was not dung in which their larvæ are chiefly supposed | till we fell upon the device of placing some to feed were kept in pits closed by trap-doors, sugar on the outside of a window, while we so that the females could not deposit their looked through a magnifying-glass on the ineggs in it. At Venice, where no horses are side, that we had the satisfaction of repeatedly witnessing a fly let fall a drop of fluid upon statement which I regret not having heard the sugar, in order to melt it, and thereby render it fit to be sucked up; on precisely the same principle that we moisten with saliva, in the process of mastication, a mouthful of dry

^{* &}quot;Insect Miscellaries 'p. 96.

more than one species of insect."

"In the case of their drinking fluids, like water, saliva is not wanted; and it may be remarked, when we drink cold water it actually astringes and shuts up the openings of the salivary pipes. Hence it is that drinking | subject was entertained by Derham, who, in does not quench thirst when the saliva is mentioning the provision made for insects that rendered viscid and scanty by heat, by fatigue, | hang on smooth surfaces, says, 'I might here or by the use of stimulant food and liquor; name divers flies and other insects who, besides and sometimes a draught of cold water, by their sharp-hooked nails, have also skinny carrying off all the saliva from the mouth, and | palms to their feet, to enable them to stick to at the same time astringing the orifices of the glass and other smooth bodies by means of ducts, may actually produce thirst. Ices pro- the pressure of the atmosphere—after the duce this effect on many persons. It is, no manner as I have seen boys carry heavy stones doubt, in consequence of their laborious ex- with only a wet piece of leather clapped on ertions, as well as of the hot nature of their the top of the stone.' (Physico-Theology, vol. acid fluids producing similar effects, that ants ii. p. 194, note b, 11th edit.) The justlyare so fond of water. We have seen one quaff celebrated Mr. White, of Selborne, apparently a drop of dew almost as large as its whole without the aid of microscopical investigation, body; and when we present those in our glass formicaries with water, they seem quite insatiable in drinking it."*

scribing the pedestrian contrivances with which | able to lift their legs, which seem glued to the various insects are furnished, says, +- "The glass, where many actually stick till they die; most perfect contrivance of this kind, however, whereas they are, during warm weather, so occurs in the domestic fly (Musca domestica), brisk and alert, that they easily overcome the and its congeners, as well as in several other pressure of the atmosphere."—(Nat. Hist. of insects. Few can have failed to remark that tlies walk with the utmost ease along the "This singular mechanism, however," conceiling of a room, and no less so upon a per-tinues Rennie, "is not peculiar to flies, for facts, are not a little amusing. 'Some sup- lizard, named the Gecke (Lacerta Gecha, Linn.), that they enable the fly to proceed with a their exterior surface. softer pace, and contribute to the preservation

bread, to fit it for being swallowed—the action | soon be impaired without this prevention. of the jaws, by a beautiful contrivance of Pro- (Spect. de la Nat. vol. i. p. 116.) 'Its ability vidence, preparing the moisture along the to walk on glass,' says S. Shaw, 'proceeds channels at the time it is most wanted. partly from some little ruggedness thereon, Readers who may be disposed to think the but chiefly from a tarnish, or dirty, smoky circumstance of the fly thus moistening a bit substance, adhering to the surface; so that, of sugar fanciful, may readily verify the fact | though the sharp points on the sponges canthemselves in the way we have described. At not penetrate the surface of the glass, it may the time when we made this little experiment, easily catch hold of the tarnish.' (Nature we were not aware that several naturalists of Displ. vol. iii. p. 98, Lond. 1823.) But," adds high authority had actually discovered by dis- Rennie, "it is singular that none of these section the vessels which supply the saliva in fanciers ever took the trouble to ascertain the existence of either a gluten squeezed out by the fly, or of the smoky tarnish on glass. Even the shrewd Réaumur could not give a satisfactory explanation of the circumstance."

"The earliest correct notion on this curious adopted Derham's opinion, adding the interesting illustration, that in the decline of the year, when the flies crowd to windows and Rennie, in his Insect Miscellanies, after de- | become sluggish and torpid, they are scarcely Schorne, vol. ii. p. 274.)

pendicular looking-glass; and though this some animals a hundred times as large can were turned downwards, the flies would not walk upon glass by the same means." St. fall off, but could maintain their position | Pierre mentions "a very small lizard, about a undisturbed with their backs hanging down- finger's length, which climbs along the walls, wards. The conjectures devised by naturalists and even along glass, in pursuit of flies and to account for this singular circumstance, other insects" (Voyage, to the Isle of France, previous to the ascertaining of the actual p. 73); and Sir Joseph Banks noticed another pose,' says the Abbé de la Pluche, 'that when which could walk against gravity, and which the fly marches over any polished body, on made him desirous of having the subject which neither its claws nor its points can thoroughly investigated. On mentioning it fasten, it sometimes compresses her sponge to Sir Everard Home, he and Mr. Bauer and causes it to evacuate a fluid, which fixes commenced a series of researches, by which it in such a manner as prevents its falling they proved incontrovertibly, that in climbing without diminishing the facility of its progress; but it is much more probable that the with the back downwards, a vacuum is prosponges correspond with the fleshy balls which | duced by a particular apparatus in the feet, accompany the claws of dogs and cats, and sufficient to cause atmospheric pressure upon

"The apparatus in the feet of the fly conof the claws, whose pointed extremities would sists of two or three membranous suckers, connected with the last joint of the foot by a | narrow neck, of a funnel-shape, immediately

cattle, so as almost to conceal the nuisance, lion."—(Kirby and Spence, i.) and presenting instead a display of their eggs where their progeny may find abundant | vomitoria), is worth while appending: food; and the final cause is obviously both to upon flies or their larvæ.

belong to the most useful.

numerable devourers. An idea of the despatch | heard this story; and he said the fact was well made by these gourmands may be gained from known."

under the base of each jaw, and movable in voracity, and rapid development. The larvæ all directions. These suckers are convex of many flesh-flies, as Redi ascertained, will in above and hollow below, the edges being twenty-four hours devour so much food, and margined with minute serratures, and the gnaw so quickly, as to increase their weight hollow portion covered with down. In order two hundred-fold! In five days after being to produce the vacuum and the pressure, these hatched they arrive at their full growth and membranes are separated and expanded, and size, which is a remarkable instance of the care when the fly is about to lift its foot, it brings of Providence in fitting them for the part they them together, and folds them up, as it were, are destined to act; for if a longer time was between the two claws. By means of a com- required for their growth, their food would not mon microscope, these interesting movements be a fit aliment for them, or they would be may be observed when a fly is confined in a too long in removing the nuisance it is given wine-glass." (Phil. Trans. for 1816, p. 325.) them to dissipate. Thus we see there was "It must have attracted the attention of the some ground for Linnœus's assertion, under most incurious to see, during the summer, Musca vomitoria, that three of these flies will swarms of flies crowding about the droppings of devour a dead horse as quickly as would a

The following extraordinary fact, given by shining corslets and twinkling wings. The Kirby and Spence, concerning the voracity of object of all this busy bustle is to deposit their the larvæ of the blow-fly, or blue-bottle (Musca

"On Thursday, June 25th, died at Asremove the nuisance, and to provide abundant bornby, Lincolnshire, John Page, a pauper food for birds and other animals which prey belonging to Silk-Willoughby, under circumstances truly singular. He being of a rest-"The same remarks apply with no less force less disposition, and not choosing to stay in to the 'blow-flies,' which deposit their eggs, and the parish workhouse, was in the habit of in some cases their young, upon carcases. The strolling about the neighbouring villages, subcommon house fly (the female of which gene- sisting on the pittance obtained from door to rally lays 144 eggs) belongs to the first division, door. The support he usually received from the natural food of its larvæ being horse-dung; the benevolent was bread and meat; and after consequently, it is always most abundant in satisfying the cravings of nature, it was his houses in the vicinity of stables, cucumber- custom to deposit the surplus provision, parbeds, &c., to which, when its numbers become | ticularly the meat, between his shirt and skin. annoying, attention should be primarily di- Having a considerable portion of this provision rected, rather than having recourse to fly- in store, so deposited, he was taken rather waters."—(Rennie's Insect Miscellany, p. 265.) unwell, and laid himself down in a field in Besides the common house-fly, and the other | the parish of Stredington; when, from the genera of the dipterous order of insects, there | heat of the season at that time, the meat is another not unfrequent intruding visitor of speedily became putrid, and was of course the fly kind which we must not omit to men- struck by the flies. These not only proceeded tion, commonly known as the blue-bottle to devour the inanimate pieces of flesh, but (Musca vomitoria, Linn.). The disgust with also literally to prey upon the living substance; which these insects are generally viewed will and when the wretched man was accidentally perhaps be diminished when our readers are found by some of the inhabitants, he was so informed that they are destined to perform a eaten by the maggets, that his death seemed very important part in the economy of nature. | inevitable. After clearing away, as well as Amongst a number of the insect tribe whose they were able, these shocking vermin, those office it is to remove nuisances the most dis- who found Page conveyed him to Asbornby, gusting to the eye, and the most offensive to and a surgeon was immediately procured, who the smell, the varieties of the blue-bottle fly declared that his body was in such a state that dressing it must be little short of instantaneous "When the dead carcases of animals begin death; and, in fact, the man did survive the to grow putrid, every one knows what dreadful operation but for a few hours. When first miasmata exhale from them, and taint the air | found, and again when examined by the surwe breathe. But no sooner does life depart geon, he presented a sight locthsome in the from the body of any creature—at least from extreme. White maggets of enormous size any which, from its size, is likely to become a were crawling in and upon his body, which nuisance—than myriads of different sorts of they had most shockingly mangled, and the insects attack it, and in various ways. First removal of the external ones served only to come the histers, and pierce the skin. Next render the sight more horrid." Kirby adds, follow the flesh-flies, covering it with millions of eggs, whence in a day or two proceed in inquired of the mail-coachman whether he had the combined consideration of their numbers, One species of fly infests our houses

* "Insect Miscellanies," p. 38. | † Ibid. p. 368.

it has fed to satiety upon the delicacies which it picks from our tables. It is even a greater

torment than the horse-fly.

"This little pest," says Kirby, referring to the Stomoxys, "I speak feelingly, incessantly interrupts our studies and comfort in showery weather, making us even stamp like the cattle worse. "I have sat down to write," says Lamevidently speaking of the Stomoxys), "and my eyes, nose, mouth, and ears, in constant succession. When I could no longer write, I head. Sometimes, in the course of a few minutes, I would take half-a-dozen of my tormentors from my lips, between which I caught | figuring their beauty. them just as they perched."—(Travels. &c. **1.** 126.)

the species of the genus Culex, L., whether their beds, to keep them off during the night. known by the name of gnats or mosquitos. It has been generally supposed by naturalists that the mosquitos of America belong to the Linnæan genus Culex; but Humboldt asserts | I discovered a colony of "catch'-em-alive" that the term mosquito, signifying a little fly, is boys residing in Pheasant-court, Gray's-innapplied there to a Senicilium, LATR. (Senicilia, lane. MEIG.), and that the Culices, which are equally numerous and annoying, are called Zancudoes, which means long-legs. The former, he says, | very delightful spot, though it is only necesare what the French call Moustiques, and the sary to look down the little bricken archway

v. 93.)

South America. Mr. Westwood informs us ing from the windows—to feel assured that it that Mosquito is certainly applied to a species is one of the most squalid of the many of Culex in the United States, the inhabitants | wretched courts that branch out from Gray'sgiving the name of black-fly to a small Seni- inn-lane. cilium. Pliny, after Aristotle, distinguishes I found the lads playing at "pitch and toss" well between Hymenoptera and Diptera, when in the middle of the paved yard. They were he says the former have their sting in the all willing enough to give me their statecail, and the latter in the mouth; and that to ments; indeed, the only difficulty I had was the one this instrument is given as the instru- in making my choice among the youths. ment of vengeance, and to the other of avidity.

But the instrument of avidity in the genus of him," cried one with teeth ribbed like celery. which I am speaking is even more terrible than that of vengeance in most insects that are with the papers," said another, who was hiding armed with it. It instils into its wound a a handful of buttons behind his back. poison (as appears from the consequent inflammation and tumour), the principal use of only reg'lar fly-boy," shouted a third, eating which is to render the blood more fluid and | a piece of bread as dirty as London snow. fitter for suction. This weapon, which is more | A big lad with a dirty face, and hair like

(Stomoxys calcitrans), which so nearly resem- | complex than the sting of hymenopterous inbles the common house-fly (Musca domestica), | sects, consisting of five pieces besides the exthat the difference is not easily detected ex- terior sheath - some of which seem simply cept by an entomologist; indeed the resem- lancets, while others are barbed like the blance is so close as to have led to the vulgar | spiculæ of a bee's sting—is at once calculated error that the common house-fly occasionally | for piercing the flesh and forming a syphon indulges itself by a feast upon our blood, after adapted to imbibe the blood. There are several species of this genus whose bite is severe; but none is to be compared to the common gnat (Culex pipiens, L.), if, as has been generally affirmed, it be synonymous with the mosquite, though, in all probability, several species are confounded under both names.

In this country they are justly regarded as by its attacks on our legs, and if we drive it no trifling evil; for they follow us to all our away ever so often, returning again and again haunts, intrude into our most secret retireto the charge." In Canada they are infinitely | ments, assail us in the city and in the country, in our houses and in our fields, in the sun and bert, (who, though he calls it the house-fly, is in the shade; nay, they pursue us to our pillows, and keep us awake by the ceasehave been obliged to throw away my pen in less hum of their rapid wings (which, accordconsequence of their irritating bite, which has ing to the Baron C. de Latour, are vibrated obliged me every moment to raise my hand to 3000 times per minute), and their incessant endeavours to fix themselves upon our face, or some uncovered part of our body; whilst, if in began to read, and was always obliged to keep | spite of them we fall asleep, they awaken us by one hand constantly on the move towards my | the acute pain which attends the insertion of their oral stings, attacking with most avidity the softer sex, and trying their temper by dis-

In Marshland in Norfolk, the inhabitants are said to be so annoyed by the gnats, that But of all the insect-tormentors of man, none | the better sort of them, as in many hot are so loudly and universally complained of as | climates, have recourse to a gauze covering for

" CATCH-'EM-ALIVE" SELLERS.

From the pleasing title given to this alley, one might almost be led to imagine it was a latter Maringouins. (Personal Narrative, E.T., | that marks its entrance, and see the housesdirty as the sides of a dust-bin, and with the Humboldt's remark, however, refers only to | patched counterpanes and yellow sheets hang-

"Please, sir, I've been at it longer than

"Please, sir, he ain't been out this year

"He's been at shoe-blacking, sir; I'm the



VAGRANTS IN THE CASUAL WARD OF WORKHOUSE.

[From a Sketch.]

No. 74.

boys who gave me his account of the trade. papers. He was a swarthy featured boy, with a broad | "We sills the most papers to little cooknose like a negro's, and on his temple was a shops and sweetmeat-shops. We don't sill by saying that "he had been runned over" houses is pretty good customers, 'cos the beer by a cab, though, judging from the blackness draws the flies. I sould nine dozen at one of one eye, it seemed to have been the result house—a school—at Highgate, the other

of some street-fight. He said:-

eight and nine year. I must have begun to we thinks we does well. sill them when they first come out. Another He used to buy them of a party as lives in a an't half as big and good as those we pays back-room near Drury-lane, what buys paper tuppence-harpenny a dozen for. and makes the catch 'em alive himself. When to silling 'em, there was a tidy lot of boys at | Brentford, so it ain't much good going that way. silling the things.

kind of song of it, singing out, 'Fly-paper, 'We generally carries the papers in a bundle the nasty blue-bottles, beetles, and flies?'

"People likes to buy of a boy as sings out paper given to us at a shop.

well, 'cos it makes 'em laugh.

"I don't think I sell so many in town as I do in the borders of the country, about Highbury, Croydon, and Brentford. I've got some regular customers in town about the Cityto fall off, then I goes to the country.

about three gross. We keep on silling before us all the way, and we comes back the same road. Last year we sould very well in Croydon, and it was the best place for gitting a price for them; they'd give a penny a-piece for 'em there, for they didn't know nothing about them. I went off one day at tin o'clock got half-way.

"But flies are very scarce at Croydon this half as many flies this summer as last.

him.

is about. If we have a fine day it fetches look about me.

hemp, was the first of the "catch-'em-alive" | them out, but a cold day kills more than our

big half-healed scar, which he accounted for so many at private-houses. The publicday. I sould 'em two for three-ha'pence. "I'm an Irish boy, and near turned sixteen, That was a good hit, but then t'other days and I've been silling fly-papers for between we loses. If we can make a ha'penny each

"Those that sills their papers at three boy first tould me of them, and he'd been a penny buys them at St. Giles's, and pays silling them about three weeks before me. only three-harpence a dozen for them, but they

"Barnet is a good place for fly-papers; they first came out the used to charge six- there's a good lot of flies down there. There pence a-dozen for 'em, but now they've got used to be a man at Barnet as made 'em, but em to twopence hapenny. When I first took I can't say if he do now. There's another at

the business, but not so many as now, for all "In cold weather the papers keep pretty the boys seem at it. In our court alone I well, and will last for months with just a little should think there was above twenty boys | warming at the fire; for they tears on opening when they are dry. You see we always carry "At first, when there was a good time, we them with the sticky sides doubled up together used to buy three or four gross together, but like a sheet of writing-paper. In hot wither, now we don't do more than half a gross. As if you keep them folded up, they lasts very we go along the streets we call out different well; but if you opens them, they dry up. cries. Some of us says, 'Fly-papers, fly- It's easy opening them in hot weather, for papers, ketch 'em all alive.' Others make a they comes apart as easy as peeling a horrange.

ketch 'em all alive, the nasty flies, tormenting on our arm, and we ties a paper as is loaded the baby's eyes. Who'd be fly-blow'd, by all | with flies round our cap, just to show the people the way to ketch 'em. We get a loaded

"When the papers come out first, we used to do very well with fly-papers; but now it's hard work to make our own money for 'em. Some days we used to make six shillings a-day regular. But then we usen't to go out every prison and the Caledonian-road; and after day, but take a rest at home. If we do well I've served them and the town custom begins one day, then we might stop idle another day, resting. You see, we had to do our twenty or "We goes two of us together, and we takes thirty miles silling them to get that money, and then the next day we was tired.

"The silling of papers is gradual fallen off. I could go out and sill twenty dozen wonst

where I couldn't sill one now.

"I think I does a very grand day's work if I yearns a shilling. Perhaps some days I may lose by them. You see, if it's a very hot day. and didn't come home till two in the morning. | the papers gets dusty; and beside, the stuff I sould eighteen dozen out in that d'rection the gets melted and oozes out; though that don't other day, and got rid of them before I had do much harm, 'cos we gets a bit of whitening and rubs 'em over.

"Four years ago we might make ten shillings year, and we haven't done so well. There ain't a-day at the papers, but now, taking from one end of the fly-paper sason to the other, which "Some people says the papers draws more is about three months, I think we makes flies than they ketches, and that when one about one shilling a-day out of papers, though gets in, there's twenty others will come to see even that aint quite certain. I never goes out without getting rid of mine, somehow or an-"It's according to the weather as the flies other, but then I am obleeged to walk quick and D 2

"When it's a bad time for silling the papers, | walk my rounds over I could at the lowest sell such as a wet, could day, then most of the fly- from six to eight dozen at ha penny each at paper boys goes out with brushes, cleaning wonst. If it was nice wither, like to-day, so that boots. Most of the boys is now out hopping. it wouldn't come wet on me, I should make ten They goes reg'lar every year after the sason is give over for flies.

made out of boiled oil and turpentine and resin. shillings a-week, and nearer eight. But the It's seldom as a fly lives more than five minutes after it gets on the paper, and then it's as dead as a house. The blue-bottles is tougher, but they don't last long, though they hot weather, and boot-cleaners at other times. keeps on fizzing as if they was trying to make a hole in the paper. The stuff is only p'isonous for flies, though I never heard of any body as ever eat a fly-paper."

The second lad I chose from among the group of applicants was of a middle age, and Butchers is very fond of the papers, to catch although the noisiest when among his com- the blue-bottles as gets in their meat, though panions, had no sooner entered the room with there is a few butchers as have said to me, me, than his whole manner changed. He sat | Oh, go away, they draws the flies more than himself down, bent up like a monkey, and they ketches 'em.' Clothes-shops, again, is scarcely ever turned his eyes from me. He very fond of em. I can't tell why they is fond seemed as nervous as if in a witness-box, and of 'em, but I suppose 'cos the flies spots the kept playing with his grubby fingers till he goods. had almost made them white.

we does pretty well, but when we has first one at it." day hot, and then another rainy and could, a'

course we don't get on so well.

dinner, which is a kipple of pen'orth of bread tomed to more food than his companions. and cheese and a pint of beer. I sould that papers. I had to rise by half-past two in the | he's wanting." morning, and I'd get back again to Hammersmith by about six o'clock. I couldn't sill rid of this lady's company; and, indeed, so

This year they a'n't half so good as they was gentlemen from making their harvest trip into last year or the year before. I'm sure I don't the country, that a murmuring crowd began know why there aint so many, but they aint so to assemble round the house where I was, plentiful like. The best year was three year determined to oppose me by force, should I ago. I know that by the quantity as my cus- leave the premises accompanied by any of the tomers bought of me, and in three days the youths. papers was swarmed with flies.

shillings a-week regular, but it depends on the wither. If I was to put my profits by, I'm "The stuff as they puts on the paper is sure I should find I make more than six season is only for three months at most, and then we takes to boot-cleaning. Near all the poor boys about here is fly-paper silling in the

"Shops buys the most of us in London. In Barnet I sell sometimes as much as six or seven dozen to some of the grocers as buys to sell again, but I don't let them have them only when I can't get rid of 'em to t'other customers.

"There's lots of boys going silling 'ketch "They calls me 'Curley.' I come from 'em alive oh's' from Golden-lane, and White-Ireland too. I'm about fourteen year, and have | chapel, and the Borough. There's lots, too, been in this line now, sir, about five year. 1 comes out of Gray's-inn-lane and St. Giles's. goes about the borders of the country. We Near every boy who has nothing to do goes general takes up the line about the beginning out with fly-papers. Perhaps it aint that the of June, that is, when we gets a good summer. | flies is falled off that we don't sill so many When we gets a good close dull day like this, papers now, but because there's so many boys

The most intelligent and the most gentle in his demeanour was a little boy, who was "The most I sould was one day when I went | scarcely tall enough to look on the table at to Uxbridge, and then I sould a gross and a half. which I was writing. If his face had been I paid half-a-crown a gross for them. I was washed, he would have been a pretty-looking living with mother then, and she give me lad; for, despite the black marks made by his the money to buy 'em, but I had to bring her knuckles during his last fit of crying, he had back again all as I took. I al'us give her all large expressive eyes, and his features were I makes, except sixpence as I wants for my round and plump, as though he were accus-

Whilst taking his statement I was intergross and a half I spoke on at a ha'penny each, rupted by the entrance of a woman, whose and I took nine shillings, so that I made five fears had been aroused by the idea that I and sixpence. But then I'd to leave London | belonged to the Ragged School, and had come at three or four o'clock in the morning, and to look after the scholars. "It's no good stop out till twelve o'clock at night. I used | you're coming here for him, he's off hopping to live out at Hammersmith then, and come to-morrow with his mother, as has asked me up to St. Giles's every morning and buy the | to look after him, and it's only your saxpence

It was with great difficulty that I could get none on the road, 'cos the shops wasn't open. | great appeared to be the fear in the court that "The flies is getting bad every summer. the object of my visit was to prevent the young

"I've been longer at it than that last boy, "I've got regular customers, where I calls though I'm only getting on for thirteen, and two or three times a week to 'em. If I was to he's older than I'm; 'cos I'm little and he's

to countrypeople.

ketch 'em alive; ketch all the nasty black- out a purse full of money and gives a penny. beetles, blue-bottles, and flies; ketch 'em from teazing the baby's eyes. That's what most interfere with us. If they sees another boy of us boys cries out. Some boys who is stupid hitting us they'll take off their belts and hit

buy so well from them.

but they're a bad set, and will fling mud at he's got a kid, and the flies teazes its eyes. gentlemen, and some prigs the gentlemen's "Some ladies like to buy fly-cages better pockets. Sometimes, if I sells more than a than ketch 'em alive's, because sometimes tell me to give him a halfpenny and he won't faces, and then they screams." touch me, and that if I don't he'll kill me. Some of the boys takes an open fly-paper, and makes me look another way, and then they sticks the ketch 'em alive on my face. The stuff won't come off without soap and hot In a small attic-room, in a house near Drury-One day a boy had a broken fly-paper, and I turer and his family busy at their trade. was taking a drink of water, and he come beoff. It all sticked to my hair, and I couldn't as I ascended. rack (comb) right for some time.

going along with other boys, they take your spread upon his papers. customers away; for perhaps they'll sell 'em | When I opened the door of his room, I was

face—butt at her like.

turn a cat'enwheel over on one hand. I'm other part of his body was hidden from me. going to morrow to the country, harvesting | On his crying, "Come in!" I had to duck and hopping—for, as we says, 'Go out hop- my head down, and creep under the forest of ping, come in jumping.' We start at three paper strips rustling above us. o'clock to-morrow, and we shall get about had none of the riches.

lig, getting a man. But I can sell them quite | sells no more than that; I wish I could. as well as he can, and sometimes better, for People won't buy 'em now. When I'm at it I can holler out just as loud, and I've got I makes, taking one day with another, about reg'lar places to go to. I was a very little ten shilling a-week. You see, if I sold eight fellow when I first went out with them, but I dozen, I'd make four shillings. I sell them could sell them pretty well then, sometimes at a penny each, at two for three-ha'pence, three or four dozen a-day. I've got one place, and three for twopence. When they gets in a stable, where I can sell a dozen at a time | stale I sells 'em at three a-penny. I always begin by asking a penny each, and perhaps "I calls out in the streets, and I goes into they'll say, Give me two for three-ha'pence." the shops, too, and calls out, 'Ketch 'em alive, I'll say, 'Can't, ma'am,' and then they pulls

"The police is very kind to us, and don't only says, 'Ketch 'em alive,' but people don't em. Sometimes I've sold a ketch 'em alive to a policeman; he'll fold it up and put it in "Up in St. Giles's there is a lot of fly-boys, his pocket to take home with him. Perhaps

big boy, he'll get mad and hit me. He'll when they're putting 'em up they falls in their

THE FLY-PAPER MAKER.

water, and it goes black, and looks like mud. lane, I found the "catch 'em alive" manufac-

Directly I entered the house where I had hind me and slapped it up in my face. A been told he lodged, I knew that I had come gentleman as saw him give him a crack with to the right address; for the staircase smelt a stick and me twopence. It takes your of turpentine as if it had been newly painted, breath away, until a man comes and takes it the odour growing more and more powerful

The little room where the man and his "When we are selling papers we have to family worked was as hot as an oven; for walk a long way. Some boys go as far as although it was in the heat of summer, still Croydon, and all about the country; but I his occupation forced him to have a fire don't go much further than Copenhagen-fields, burning for the purpose of melting and and straight down that way. I don't like keeping fluid the different ingredients he

at three a-penny to 'em, and spoil the cus- at first puzzled to know how I should enter tomers for you. I won't go with the big boy | the apartment; for the ceiling was completely you saw 'cos he's such a blackgeyard; when hidden by the papers which had been hung he's in the country he'll go up to a lady and | up to dry from the many strings stretched say, 'Want a fly-paper, marm?' and if she across the place, so that it resembled a washersays 'No,' he'll perhaps job his head in her | woman's back-yard, with somethousands of red pocket-handkerchiefs suspended in the air. "When there's no flies, and the ketch 'em I could see the legs of the manufacturer alive's is out, then I goes tumbling. I can walking about at the further end, but the

The most curious characteristic of the aparttwelve o'clock at night at Dead Man's Barn. ment was the red colour with which every-It was left for poor people to sleep in, and thing was stained. The walls, floor, and a man there was buried in a corner. The tables were all smeared with ochre, like the man had got six farms of hops; and if his pockets of a drover. The papers that were son hadn't buried him there, he wouldn't have drying were as red as the pages of a gold-leaf book. This curious appearance was owing "The greatest number of fly-papers I've to part of the process of "catch 'em alive" sold in a day is about eight dozen. I never making consisting in first covering the paper tion from soaking into it.

was evident the trade was not a lucrative one. | their money. An old Dutch clock, with a pendulum as long as a walking-stick, was the only thing in the | culation of the quantity I make. You see, todwelling which was not indispensable to the day I haven't sold a gross, and yesterday I calling. The chimneypiece—that test of | didn't sell more than a gross; and the last "well-to-do" in the houses of the poorer three days I haven't sold a single paper, it's classes - had not a single ornament upon it. | been so wet. But last week I sold more than The long board on which the family worked five gross a-day,—it varies so. Oh yes, I served likewise as the table for the family sell more than a hundred gross during the meals, and the food they ate had to be laid | season. You may say, that for a month I upon the red-smeared surface. There was make about five gross a-day, and that-taking but one chair, and that the wife occupied; | six days to the week, and thirty days to the and when the father or son wished to sit | month—makes a hundred and thirty gross: down, a tub of size was drawn out with its and then for another month I do about three trembling contents from under the work- gross a-day, and that, at the same calculation, table, and on this they rested themselves.

father, "fly-paper makers. They used to put | single papers, and that is as near as I can a nice name to the things once, and call 'em | tell you. Egyptian fly-papers, but now they use merely the word 'fly-papers,' or 'fly-destroyers,' or two months. You may reckon it from the 'fly-catchers,' or 'catch 'em alive, oh.'

depends upon so many things how they're | prime time is when the flies gets heavy and produced: for instance, if I was to put my stings—that's when the papers sells most. papers on a dung-heap, I might eatch some ice-well, I don't suppose I should catch one.

blown, as we call it, there'll be some millions | streets, or a halfpenny for a single one. The for whilst struggling the fly shoots forth the paid me for their stock, will sell what papers blows, and eventually these blows would turn

"I have been at fly-catcher making for the the dust. last nine years. It's almost impossible to make any calculation as to the number of | 'catch 'em alives.' I gets them kept for me papers I make during the season, and this is at stationers' shops and liberaries, and suchin the streets keep me busy; but if it's at all long price, but you must have good paper if to blacking boots.

for all depends upon the lads coming to me to slight. buy, and there's no certainty beyond. I every season expect that these lads who bought | stand the pulling in opening the papers; for papers of me the last year will come back and | we always fold the destroyers with the sticky deal with me again. First of all, these lads sides together when finished. The composiwill come for a dozen, or a kipple of dozen, of | tion I use is very stiff; if the paper is bad, papers; and so it goes on till perhaps they they tear when you force them open for use. are able to sell half a gross a-day, and then Some in the trade cut up their newspapers from that they will, if the weather is fine, get into twelve for the full sheet, but I cut mine up to ten dozen, or perhaps a gross, but up into only eight. seldom or never over that.

I have, for about two or three weeks, made as | putting a little red lead into the size, because many as thirty-six gross of papers in a week. if the sticky side is not made apparent the We generally begins about the end of June or | people wont buy 'em, 'cause they might spile

with coloured size, to prevent the sticky solu- | the beginning of July, and then for five or six weeks we goes on very busy; after that it The room was so poorly furnished, that it | dies out, and people gets tired of laying out

"It's almost impossible to get at any calmakes seventy-eight gross, or altogether one "We are called in the trade," said the hundred and ninety-eight gross, or 28,512

"Sometimes our season lasts more than latter end of June to the end of August, or if "I never made any calculation about flies, | the weather is very hot, then we begins early and how often they breeds. You see, it in June, and runs it into September. The

"There's others in the business besides thousands; and if I was to put a paper in an | myself; they lives up in St. Giles's, and they sells 'em rather cheaper. At one time the "I know the flies produce some thousands | shopkeepers used to make the papers. When each, because if you look at a paper well they first commenced, they was sold at twostudded over with flies, you'll see—that is, if | pence and threepence and fourpence a-piece, you look very carefully—where each fly has but now they're down to three a-penny in the on a paper, small grubs or little mites, like; | boys when they've got back the money they they have left at anything they'll fetch, because the papers gets dusty and spiles with

"I use the very best 'Times' paper for my the season. If it's fine weather, then flies like. I pays threepence a-pound, or twentyare plentiful, and the lads who sell the papers | eight shillings the hundred weight. That's a bad weather, then they turn their attention | you want to make a good article. I could get paper at twopence a-pound, but then it's only "It's quite a speculation, my business is, the cheap Sunday papers, and they're too

"The morning papers are the best, and will

"The process is this. First of all the paper "In the very busiest and hottest time as is, is sized and coloured. We colour them by

the furniture by putting the composition side | downwards. After sizing the papers, they are hung up to dry, and then the composition is | that don't take long." laid on. This composition is a secret, and I'm obligated to keep it so, for of course all the boys who come here would be trying to make 'em, and not only would it injure me, but I'd warrant they'd injure theirselves as say that my composition is made from a mixture of resinous substances. Everything in making it depends upon using the proper proportions. There's some men who deal with me who know the substances to make the composition from, but because they haven't they can't make it right.

"The great difficulty in making them is drying the papers after they are sized. Some days when it's fine they'll dry as fast as you can hang 'em up a'most, and other days they won't dry at all—in damp weather 'specially. There is some makers who sizes and colours their papers in the winter, and then puts'em to dry; and when the summer comes, then they has only to put on the composition.

"I'm a very quick hand in the trade (if you can call it one, for it only lasts three months at most, and is a very uncertain one, too; indeed, I don't know what you can style our hand I say at spreading the composition, and I can, taking the day through, do about two gross an hour—that is, if the papers was sized ready for me; but as it is, having to size 'em first, I can't do more than three gross a-day myself, but with my wife helping me we can do such a thing as five gross a-day.

and not crisp as they ought to. When the and the other for wet weather. size is damp it makes them adhere to one then they tears when I opens them.

seem strange to anybody coming in, though to us it's ordinary enough."

size smells, Charlotte!" he said to his wife.

"Before putting on the composition I cut up the papers into slips as fast as possible,

"We can cut 'em in first style," interrupted the wife.

"I can cut up four gross an hour," said a boy, who was present.

"I don't think you could, Johnny," said the well, by setting the house on fire. You may man. "Two gross is nearer the mark, to cut 'em evenly.'

"It's only seventy sheets," remonstrated the lad, "and that's only a little more than one a minute."

A pile of entire newspapers was here brought out, and all of them coloured red on got the exact proportions of the quantities, one side, like the leaves of the books in which gold-leaf is kept.

Judging from the trial at cutting which followed, we should conclude that the lad was correct in his calculation.

"When we put on the composition," continued the catch-'em-alive maker, "we has the cut slips piled up in a tall mound like, and then we have a big brush, and dips it in the pot of stuff and rubs it in; we folds each catcher up as we does it, like a thin slice of bread and butter, and put it down. As I said before, at merely putting on the composition I could do about two gross an hour.

"My price to the boys is twopence-halfpenny business-it ain't a purfession and it ain't a a dozen, or two-and-sixpence a gross, and out trade, I suppose it's a calling): I'm a quick of that I don't get more than ninepence profit, for the paper, the resin, and the firing for melting the size and composition, all takes off the profit.

"This season nearly all my customers have been boys. Last season I had a few men who dealt with me. The principal of those who buys of me is Irish. A boy will sometimes "It's most important that the size should | sell his papers for a halfpenny each, but the dry. Now those papers (producing some usual price is three a-penny. Many of the covered with a dead red coating of the size | blacking-boys deal with me. If it's a fine day preparation) have been done four days, and it don't suit them at boot-cleaning, and then yet they're not dry, although to you they ap- they'll run out with my papers; and so they pear so, but I can tell that they feel tough, have two trades to their backs—one for fine,

"The first man as was the inventor of these another when I am laying the stuff on, and it | fly-papers kept a barber's shop in St. Andrewsweats through and makes them heavy, and street, Seven Dials, of the name of Greenwood or Greenfinch, I forget which. I expect he "When I'm working, I first size the entire diskivered it by accident, using varnish and sheet. We put it on the table, and then we stuff, for stale varnish has nearly the same have a big brush and plaster it over. Then I effect as our composition. He made 'em and gives it to my wife, and she hangs it up on a sold 'em at first at threepence and fourpence line. We can hang up a gross at a time here, a-piece. Then it got down to a penny. He and then the room is pretty full, and must sold the receipt to some other parties, and then it got out through their having to employ men to help 'em. I worked for a party as The man was about to exhibit to us his made 'em, and then I set to work making method of proceeding, when his attention was 'em for myself, and afterwards hawking them. drawn off by a smell which the moving of the different pots had caused. "How strong this now, and sold pretty well. Then men in the streets, who had nothing to do, used to ask me "It's the damp and heat of the room does where I bought 'em, and then I used to give it," the wife replied; and then the narrative | 'em my own address, and they'd come and fivel

OF BUGS AND FLEAS.

A NUMEROUS family of a large order of insects is but too well known, both in gardens and houses, under the general name of Bugs (Cimicidæ) most, if not all, of the species being distinguished by an exceedingly disagreeable smell, particularly when pressed or

The sucking instrument of these insects has been so admirably dissected and delineated by M. Savigny, in his "Theory of the Mouth of Six-legged (hexapod) Insects,"* that we cannot do better than follow so excellent a guide.

The sucker is contained in a sheath, and this sheath is composed of four pieces, which, according to Savigny's theory, represent an under-lip much prolonged. The edges bend downwards, and form a canal receiving the four bristles, which he supposes to correspond with the two mandibles and the two lower jaws. It is probable that the two middle of these bristles act as piercers, while the other two, being curved at the extremity (though not at all times naturally so), assist in the process of suction.

The plant-bugs are all furnished with wings and membranous wing-cases, many of them being of considerable size, and decked in showy colours. These differ in all those points from their congener, the bed-bug (Cimex lectularius), which is small, without wings, and of a dull uniform brown. The name is of Welsh origin, being derived from the same root as bug-bear, and hence the passage in the Psalms, "thou shalt not be afraid for the terror by night,"+ is rendered in Matthew's Bible, "thou shalt not nede to be afraide of any bugs by night."

In earlier times this insect was looked upon with no little fear, no doubt because it was not so abundant as at present. "In the year 1503," says Mouffet, "Dr. Penny was called in great haste to a little village called Mortlake, near the Thames, to visit two noblemen who were much frightened by the appearance of bug-bites, and were in fear of I know not what contagion; but when the matter was known, and the insects caught, he laughed them out of all fear."! This fact, of course, disproves the statement of Southall, that bugs were not known in England before 1670.

Linnaus was of opinion, however, that the bug was not originally a native of Europe, but had been imported from America. Be this as it may, it seems to thrive but too well in our climate, though it multiplies less in Britain than in the warmer regions of the Continent, where it is also said to grow to a larger size, and to bite more keenly. This insect, it is said, is never seen in Ireland.§

"Commerce," says a learned entomologist "with many good things, has also introduced

amongst us many great evils, of which noxious insects form no small part; and one of her worst presents was, doubtless, the disgusting animals called bugs. They seem, indeed, he adds, "to have been productive of greater alarm at first than mischief,—at least, if we may judge from the change of name which took place upon their becoming common. Their original English name was Chinche, or Wall-louse; and the term bug, which is a Celtic word, signifying a ghost or goblin, was applied to them after Ray's time, most probably because they were considered as 'terrors by night. Hence our English word bug-bear. The word in this sense often occurs in Shakspeare, Winter's Tale, act iii. sc. 2, 3; Henry VI. act v. sc. 2; Hamlet, act v. sc. 2. See Douce's Illustrations of Shakspeare, i. 329."

Even in our own island these obtrusive insects often banish sleep. "The night," says Goldsmith, in his Animated Nature, "is usually the season when the wretched have rest from their labour; but this seems the only season when the bug issues from its retreats to make its depredations. By day it lurks, like a robber, in the most secret parts of the bed, takes the advantage of every chink and cranny to make a secure lodgment, and contrives its habitation with so much art that it is no easy matter to discover its retreat. It seems to avoid the light with great cunning, and even if candles be kept burning, this formidable insect will not issue from its hiding-place. But when darkness promises security, it then issues from every corner of the bed, drops from the tester, crawls from behind the arras, and travels with great assiduity to the unhappy patient, who vainly wishes for rest. It is generally vain to destroy one only, as there are hundreds more to revenge their companion's fate; so that the person who thus is subject to be bitten (some individuals are exempt), remains the whole night like a sentinel upon duty, rather watching the approach of fresh invaders than inviting the pleasing approaches of sleep."*

Mouffet assures us, that against these enemies of our rest in the night our merciful God hath furnished us with remedies, which we may fetch out of old and new writers, either to drive them away or kill them.† The following is given as the best poison for bugs, by Mr. Brande, of the Royal Institution:—Reduce an ounce of corrosive sublimate (perchloride of mercury) and one ounce of white arsenic to a fine powder; mix with it one ounce of muriate of ammonia in powder, two ounces each of oil of turpentine and yellow wax, and eight ounces of olive oil; put all these into a pipkin, placed in a pan of boiling water, and when the wax is melted, stir the whole, till cold, in a mortar. A strong solution of corrosive sublimate, indeed, applied as a wash, is a most efficacious bug poison.

protecting care. One gentleman would never or his bedsteads removed, till, in the end, they swarmed to an incredible degree, crawling up even the walls of his drawing-room; and after chamber furniture.*

their feast without molestation.+

(Notonecta glauca, Linn.) § known in the West Indies by the name of the | " a very shrewd plague."+ wheel-bug, can communicate an electric shock

Bugs are very voracious, and seem to bite were evidently all females.§ most furiously in the autumn, as if determined to feast themselves before they retire to | fleas in the way of amusement, unless we are their winter quarters.

There is another pernicious bed insect the flea (Pulex irritans, LINN.), which, being pose to be nearly allied to the bed bug, though | world; I never saw a dull flea in all my life." it does not belong even to the same order, but scent or inconspicuous.

"Insect Transformations," p. 393.

Though most people dislike this insect, | species, however, is, fortunately, not indigeothers have been known to regard it with nous, being a native of the tropical latitudes, and variously named in the West Indies, chisuffer the bugs to be disturbed in his house, goe, jigger, nigua, tungua, and pique (Pulex penetrans, Linn). According to Stedman, "this is a kind of small sand-flea, which gets in between the skin and the flesh without being felt, his death millions were found in his bed and and generally under the nails of the toes, where, while it feeds, it keeps growing till it be-In the Banian hospital, at Surat, the over- comes of the size of a pea, causing no further seers are said frequently to hire beggars from | pain than a disagreeable itching. In process the streets, at a stipulated sum, to pass the of time its operation appears in the form of a night among bugs and other vermin, on the small bladder, in which are deposited thouexpress condition of suffering them to enjoy sands of eggs, or nits, and which, if it breaks, produce so many young chigoes, which in The bed-bug is not the only one of its con- course of time create running ulcers, often of geners which preys upon man. St. Pierre | very dangerous consequence to the patient. So mentions a bug found in the Mauritius, the much so, indeed, that I knew a soldier, the bite of which is more venomous than the sting | soles of whose feet were obliged to be cut aof a scorpion, being succeeded by a swelling | way before he could recover; and some men as big as the egg of a pigeon, which continues | have lost their limbs by amputation, nay, even for four or five days. Ray tells us that his their lives, by having neglected, in time, to friend Willoughby had suffered severe tempo- root out these abominable vermin. Walton rary pain, in the same way, from a water-bug. | mentions that a Capuchin friar, in order to study the history of the chigoe, permitted a The winged insects of the order to which colony of them to establish themselves in his the bed-bug belongs often inflict very painful | feet: but before he could accomplish his obwounds, and it is even stated, upon good au- | ject his feet mortified and had to be amputathority, that an insect of the order, commonly ted.* No wonder that Cardan calls the insect

Several extraordinary feats of strength have to the person whose flesh it touches. The | been recorded of fleas by various authors, ; late Major-General Davies, R.A. (well known and we shall here give our own testimony as a most accurate observer of nature and to a similar fact. At the fair of Charlton, in an indefatigable collector of her treasures, as | Kent, 1830, we saw a man exhibit threewell as a most admirable painter of them), | fleas harnessed to a carriage in the form having taken up this animal and placed it upon of an omnibus, at least fifty times their his hand, assures us that it gave him, with its own bulk, which they pulled along with legs, a considerable shock, as if from an elec- great ease; another pair drew a chariot. The tric jar, which he felt as high as his shoulders; exhibitor showed the whole first through a and then dropping the creature, he observed | magnifying glass, and then to the naked eye, six marks upon his hand where the six feet | so that we were satisfied there was no deception. From the fleas being of large size they

It is rarely, however, that we meet with of the singular humour of the old lady mentioned by Kirby and Spence, who had a liking to them; "because," said she, "I think they without wings, some of our readers may sup. are the prettiest little merry things in the

When Ray and Willoughby were travelling, to a new one (Aphaniptera, Kirby), establish- they found "at Venice and Augsburg fleas for ed on the principle that the wings are obsole- sale, and at a small price too, decorated with steel or silver collars round their necks. When Fleas, it may be worth remarking, are not fleas are kept in a box amongst wool or cloth, all of one species; those which infest animals in a warm place, and fed once a-day, they will and birds differing in many particulars from the live a long time. When these insects begin common bed-flea (Pulex irritans). As many to suck they erect themselves almost perpenas twelve distinct sorts of fleas have been dicularly, thrusting their sucker, which origiund in Britain alone. The most annoying nates in the middle of the forehead, into the skin. The itching is not felt immediately,

[&]quot; Mém. Anim. sans Vertébrat." i. 36. 4 Ps. xci. 5. ‡ "Theatr. Insect." 270. § J. P.

^{*} Goldsmith's "Animat. Nature," iv. 198. † "Theatr. Insect." ‡ "Materia Medica," Index

^{*} Nicholson's "Journal," xvii. 40. † Forbes, "Oriental Mem." i. † 'Voyage to the Isle of France." "Hist. Insect." 58.

^{*} Walton's "Hispaniola." † "Subtilia," lib. ix. ‡ "Insect Transformations," p. 180. § Introduction, i. 102.—J. R.

full of blood, they begin to void a portion of rassing on the banks of the Missouri, where it; and thus, if permitted, they will continue it is said the native Indians are sometimes for many hours sucking and voiding. After compelled to shift their quarters, to escape the first itching no uneasiness is subsequently | their annoyance. They are not acquainted, it felt. Willoughby had a flea that lived for would therefore seem, with the device of the three months, sucking in this manner the blood | shepherds in Hungary, who grease their clothes of his hand; it was at length killed by the with hog's-lard to deter the fleas;* nor with cold of winter."*

According to Mouffet's account of the sucker of the flea, "the point of his nib is somewhat hard, that he may make it enter the better; and it must necessarily be hollow, that he may suck out the blood and carry it in." + Modern authors, particularly Straus and Kirby, show that Rösel was mistaken in supposing this sucker to consist of two pieces, as it is really made up of seven. First, there is a pair of triangular instruments, somewhat resembling the beak of a bird, inserted on each side of the mouth, under the parts which are generally regarded as the antennæ. Next, a pair of long sharp piercers (scalpella, Kirby), which emerge from the head below the preceding instruments; whilst a pair of feelers (palpi), consisting of four joints, is attached to these near their base. In fine, there is a long, slender tongue, like a bristle, in the middle of these several pieces.

Mouffet says, "the lesser, leaner, and younger the fleas are, the sharper they bite,the fat ones being more inclined to tickle and play. They molest men that are sleeping," he adds, " and trouble wounded and sick persons, from whom they escape by skipping; for as soon as they find they are arraigned to die, and feel the finger coming, on a sudden they are gone, and leap here and there, and so escape the danger; but so soon as day breaks they forsake the bed. They then creep into the rough blankets, or hide themselves in rushes and dust, lying in ambush for pigeons, hens, and other birds; also for men and dogs, moles and mice, and vex such as pass by. Our hunters report that foxes are of full them, and they tell a pretty story how they get quit of them. "The fox," say they, "gathers some handfuls of wool from thorns and briers, and wrapping it up, holds it fast in his mouth, then he goes by degrees into a cold river, and dips himself down by little and little; when he finds that all the fleas are crept so high as his head for fear of drowning, and ultimately for shelter crept into the wool, he barks and spits out the wool, full of fleas, | found some bugs in his house - a young and thus very froliquely being delivered from | colony of them, that had introduced themtheir molestations, he swims to land." ‡

This is a little more doubtful even than the story told of Christina, queen of Sweden, who is reported to have fired at the fleas that troubled her with a piece of artillery, still exhibited in the Royal Arsenal at Stockholm.§ Nor are fleas confined to the old continent, for

but a little afterwards. As soon as they are | Lewis and Clarke found them exceedingly hathe old English preventive:

> "While wormwood hath seed, get a handful or twaine, To save against March, to make fleas refrain. Where chamber is swept, and wormwood is strown, Ne'er flea for his life dare abide to be known."

Linnæus was in error in stating that the domestic cat (Felis maniculatus, TEEMMINCK) is not infested with fleas; for on kittens in particular they abound as numerously as upon

HER MAJESTY'S BUG-DESTROYER.

THE vending of bug-poison in the London streets is seldom followed as a regular source of living. We have met with persons who remember to have seen men selling penny packets of vermin poison, but to find out the vendors themselves was next to an impossibility. The men seem merely to take to the business as a living when all other sources have failed. All, however, agree in acknowledging that there is such a street trade, but that the living it affords is so precarious that few men stop at it longer than two or three

Perhaps the most eminent firm of the bugdestroyers in London is that of Messrs. Tiffin and Son; but they have pursued their calling in the streets, and rejoice in the title of "Bug-Destroyers to Her Majesty and the Royal

Mr. Tiffin, the senior partner in this house, most kindly obliged me with the following statement. It may be as well to say that Mr. Tiffin appears to have paid much attention to the subject of bugs, and has studied with much earnestness the natural history of this vermin.

"We can trace our business back," he said, "as far as 1695, when one of our ancestors first turned his attention to the destruction of bugs. He was a lady's stay-maker-men used to make them in those days, though, as far as that is concerned, it was a man that made my mother's dresses. This ancestor selves without his permission, and he didn't like their company, so he tried to turn them out of doors again, I have heard it said, in various ways. It is in history, and it has been handed down in my own family as well, that bugs were first introduced into England after the fire of London, in the timber that

† Tusser, "Points of Goode Husbandry."

that my ancestor first discovered the colony thirty yards off. of bugs in his house. I can't say whether he studied the subject of bug-destroying, or wheplagued, and that was the commencement of the present connexion, which has continued up to this time.

"At the time of the illumination for the Peace, I thought I must have something over my shop, that would be both suitable for the event and to my business; so I had a transparency done, and stretched on a big frame, and lit up by gas, on which was written-

MAY THE DESTROYERS OF PEACE BE DESTROYED BY US.

TIFFIN & SON, BUG-DESTROYERS TO HER MAJESTY

"Our business was formerly carried on in the Strand, where both my father and myself were born; in fact, I may say I was born to the bug business.

"I remember my father as well as possible; indeed, I worked with him for ten or eleven years. He used, when I was a boy, to go out to his work killing bugs at his customers' houses with a sword by his side and a cockedhat and bag-wig on his head—in fact, dressed up like a regular dandy. I remember my grandmother, too, when she was in the business, going to the different houses, and seating herself in a chair, and telling the men and wash the woodwork.

"I have customers in our books for whom and the clothes, yet they soon breed if left | pied, they are round as a 'lady-bird.'

get rid of a nuisance.

"I mostly find the bugs in the bedsteads. But, if they are left unmolested, they get very high-minded and prefer lofty places. the sheets round the bugs. Where iron bedsteads are used the bugs are more in the rooms, and that's why such things | were those I found in a black man's bed. He

was brought for rebuilding the city, thirty are bad. They don't keep a bug away from years after the fire, and it was about that time | the person sleeping. Bugs'll come, if they're

"I knew a case of a bug who used to come every night about thirty or forty feet—it was ther he found out his stuff by accident, but he an immense large room—from a corner of certainly did invent a compound which com- the room to visit an old lady. There was only pletely destroyed the bugs, and, having been one bug, and he'd been there for a long time. so successful in his own house, he named it I was sent for to find him out. It took me a to some of his customers who were similarly long time to catch him. In that instance I had to examine every part of the room, and when I got him I gave him an extra nip to serve him out. The reason why I was so bothered was, the bug had hidden itself near the window, the last place I should have thought of looking for him, for a bug never by choice faces the light; but when I came to inquire about it, I found that this old lady never rose till three o'clock in the day, and the window-curtains were always drawn, so that there was no light like.

"Lord! yes, I am often sent for to catch a single bug. I've had to go many, many miles—even 100 or 200—into the country, and perhaps catch only half-a-dozen bugs after all; but then that's all that are there, so it answers our employer's purpose as well as if they were swarming.

"I work for the upper classes only; that is, for carriage company and such-like approaching it, you know. I have noblemen's names, the first in England, on my books.

"My work is more method; and I may call it a scientific treating of the bugs rather than wholesale murder. We don't care about the thousands, it's the last bug we look for, whilst your carpenters and upholsterers leave as many behind them, perhaps, as they manage to catcu.

"The bite of the bug is very curious. They what they were to do, to clean the furniture | bite all persons the same (?) but the difference of effect lays in the constitution of the parties. I've never noticed that a different our house has worked these 150 years; that is, kind of skin makes any difference in being my father and self have worked for them and | bitten. Whether the skin is moist or dry, their fathers. We do the work by contract, it don't matter. Wherever bugs are, the perexamining the house every year. It's a pre- | son sleeping in the bed is sure to be fed on. caution to keep the place comfortable. You whether they are marked or not; and as a see, servants are apt to bring bugs in their proof, when nobody has slept in the bed for boxes; and, though there may be only two or some time, the bugs become quite flat; and, three bugs perhaps hidden in the woodwork on the contrary, when the bed is always occu-

"The flat bug is more ravenous, though "We generally go in the spring, before the even he will allow you time to go to sleep before bugs lay their eggs; or, if that time passes, he begins with you; or at least until he thinks it ought to be done before June, before their you ought to be asleep. When they find all eggs are hatched, though it's never too late to | quiet, not even a light in the room will prevent their biting; but they are seldom or ever found under the bed-clothes. They like a clear ground to get off, and generally bite round the numerous and climb to the tops of the rooms, edges of the nightcap or the nightdress. When and about the corners of the ceilings. They they are found in the bed, it's because the colonize anywhere they can, though they're parties have been tossing about, and have curled

"The finest and the fattest bugs I ever saw

^{*} J. R. † "Theatre of Insects," p. 1102. † "Theatre of Insects," p. 1102. † Linnæus, "Lachesis Lapan." ii. 32, note.

^{* &}quot;Travels."

He didn't want his bed done by me; he didn't | house to another, and you can never perfectly want it touched. His bed was full of 'em, get rid of them; you can only keep them no beehive was ever fuller. The walls and all under. Beetles will scrape their way and were the same, there wasn't a patch that wasn't make their road round a fireplace, but how crammed with them. He must have taken they manage to go from one house to another them all over the house wherever he went.

"I've known persons to be laid up for handsome fair young lady I knew once, and she was much bitten about the arms, and neck, and face, so that her eyes were so swelled up she couldn't see. The spots rose up like blisters, the same as if stung with a nettle, only on a very large scale. The bites were very much inflamed, and after a time they had the

appearance of boils.

"Some people fancy, and it is historically recorded, that the bug smells because it has no vent; but this is fabulous, for they have a vent. It is not the human blood neither that makes them smell, because a young bug who can't answer for that, though it's not through the head. They haven't got a mouth, but they insert into the skin the point of a tube, which is quite as fine as a hair, through which they draw up the blood. I have many a time put a bug on the back of my hand, to see how they bite; though I never felt the bite but once, and something like that of a leech-bite.

the same as bugs do. I found them in the furniture. It was a nurse that brought them into looking woman as ever I saw. I should almost | cleared. imagine the lice must have been in her, for they say there is a disease of that kind; and if of a cream colour, and will take to blood dithe tics breed in sheep, why should not lice | rectly; indeed, if they don't get it in two or breed in us? for we're but live matter, too. I didn't like myself at all for two or three days after that lice-killing job, I can assure you; it's the only case of the kind I ever had, and I can

promise you it shall be the last.

"I was once at work on the Princess Charlotte's own bedstead. I was in the room, and she asked me if I had found anything, and I told her no; but just at that minute I did happen to catch one, and upon that she sprang | a half without food, and a housekeeper at Lord shoulder, to look at it. She had been tor- I was then moving from a store-room was mented by the creature, because I was ordered | taken down forty-five years ago, and had not to come directly, and that was the only one I | been used since, but the bugs in it were still found. When the Princess saw it, she said, numerous, though as thin as living skeletons. 'Oh, the nasty thing! That's what tormented | They couldn't have lived upon the sap of the me last night; don't let him escape.' I think he looked all the better for having tasted royal blood.

was the favourite servant of an Indian general. | can bugs; for, you see, beetles run from one I can't say, but they do.

"I never had patience enough to try and months through bug-bites. There was a very kill fleas by my process; it would be too much

of a chivey to please me.

"I never heard of any but one man who seriously went to work selling bug poison in the streets. I was told by some persons that he was selling a first-rate thing, and I spent several days to find him out. But, after all, his secret proved to be nothing at all. It was train-oil, linseed and hempseed, crushed up all together, and the bugs were to eat it till they burst.

"After all, secrets for bug-poisons ain't worth much, for all depends upon the application of them. For instance, it is often the case that I am sent for to find out one bug in has never touched a drop will smell. They a room large enough for a school. I've disbreathe, I believe, through their sides; but I covered it when the creature had been three or four months there, as I could tell by his having changed his jacket so often—for bugs shed their skins, you know. No, there was no reason that he should have bred; it might have been a single gentleman or an old maid.

"A married couple of bugs will lay from forty to fifty eggs at one laying. The eggs are then I suppose the bug had pitched upon a oval, and are each as large as the thirty-second very tender part, for it was a sharp prick, part of an inch; and when together are in the shape of a caraway comfit, and of a bluish-"I once had a case of lice-killing, for my white colour. They'll lay this quantity of eggs process will answer as well for them as for three times in a season. The young ones are bugs, though it's a thing I should never follow! hatched direct from the egg, and, like young by choice. Lice seem to harbour pretty much partridges, will often carry the broken eggs about with them, clinging to their back. They get their fore-quarters out, and then they run the house, though she was as nice and clean a about before the other legs are completely

> "As soon as the bugs are born they are three days they die; but after one feed they will live a considerable time without a second meal. I have known old bugs to be frozen over in a horse-pond—when the furniture has been thrown in the water—and there they have remained for a good three weeks; still, after they have got a little bit warm in the sun's rays they have returned to life again.

"I have myself kept bugs for five years and up on the bed, and put her hand on my H---'s informed me that an old bedstead that wood, it being worm-eaten and dry as a bone.

"A bug will live for a number of years, and we find that when bugs are put away in old "I also profess to kill beetles, though you furniture without food, they don't increase in can never destroy them so effectually as you number; so that, according to my belief, the five years: besides, they were large ones, and on the ground-floor, they are most abundant,

"It is a dangerous time for bugs when they are shedding their skins, which they do about four times in the course of a year; then they throw off their hard shell and have a soft coat, so that the least touch will kill them; whereas, at other times they will take a strong pressure. 'em-freaks of nature like."

BLACK-BEETLES.

COCKROACHES are even more voracious than crickets. A small species (Blatta Lapponica, LINN.), occasionally met with about London, is said to swarm numerously in the huts of the Laplanders, and will sometimes, iu conjunction with a carrion-beetle (Silpha Lapponica, nearly every house in and about London is Linn.), devour, we are told, in a single day, | haunted. Let the doubters, if they have the their whole store of dried fish.

In London, and many other parts of the midnight, armed with a light and whatever country, cockroaches, originally introduced other weapon they like, and they will see that except over each other's bodies. This, in- in a short time, the stage is clear, and, as in deed, only happens after dark, for they are some legend of diablerie, nothing remains but strictly night insects, and the instant a candle is intruded upon the assembly they rush towards their hiding-places, so that in a few seconds not one of the countless multitude is to be seen.

In consequence of their numbers, independently of their carnivorous propensities, they are driven to eat anything that comes in their way; and, besides devouring every species of kitchen-stuff, they gnaw clothes, leather, and books. They likewise pollute everything they crawl over, with an unpleasant

These "black-beetles," however, as they are commonly called, are harmless when compared with the foreign species, the giant cockroach | them." (Blatta gigantea), which is not content with Illustrations of Nat. Hist. iii. Pref.)

the tables, to the great annoyance of the in- gusto the common bed-bug.

ougs I just mentioned must have existed forty- | habitants). In the London houses, especially very dark-coloured, which is another proof of and consume everything they can find-flour, bread, meat, clothes, and even shoes. As soon as light, natural or artificial, appears, they all scamper off as fast as they can, and vanish in an instant.

These pests are not indigenous to this country, and perhaps nowhere in Europe, but are one of the evils which commerce has im-I have plenty of bug-skins, which I keep by ported. In Captain Cook's last voyage, the me as curiosities, of all sizes and colours, and ships, while at Husheine, were infested with sometimes I have found the young bugs col- incredible numbers of these creatures, which lected inside the old ones' skins for warmth, as it was found impossible by any means to if they had put on their father's great-coat. destroy. Every kind of food, when exposed There are white bugs - albinoes you may call only for a few minutes, was covered with them, and pierced so full of holes, that it resembled a honeycomb. They were so fond of ink that they ate out the writing on labels. Captain Cook's cockroaches were of two kinds the Blatta Orientalis and Germanica.—(Encyc.

> The following fact we give from Mr. Douglas's World of Insects -

> "Everybody has heard of a haunted house; courage, go stealthily down to the kitchen at

from abroad, have multiplied so prodigiously | beings of which Tam o'Shanter never dreamed, as to be a great nuisance. They are often so whose presence at daylight was only a myth, numerous in kitchens and lower rooms in have here 'a local habitation and a name.' the metropolis as literally to cover the floor, | Scared from their nocturnal revels, the creaand render it impossible for them to move, tures run and scamper in all directions, until,

a most peculiar odour.

"These were no spirits, had nothing even of the fairy about them, but were veritable cockroaches, or 'black-beetles'—as they are more commonly but erroneously termed—for they are not beetles at all. They have prodigious powers of increase, and are a corresponding nuisance. Kill as many as you will, except, perhaps, by poison, and you cannot extirpate them—the cry is, 'Still they come.'

"One of the best ways to be rid of them is to keep a hedgehog, to which creature they are a favourite food, and his nocturnal habits make him awake to theirs. I have known cats eat cockroaches, but they do not thrive upon

"One article of their food would hardly devouring the stores of the larder, but will have been suspected," says Mr. Newman, in attack human bodies, and even gnaw the ex- a note communicated to the Entomological tremities of the dead and dying.—(Drury's Society, at the meeting in February, 1855. "'There is nothing new under the sun;' so Cockroaches, at least the kind that is most says the proverb. I believed, until a few abundant in Britain, hate the light, and never days back, that I possessed the knowledge of come forth from their hiding-places till the a fact in the dietary economy of the cockroach lights are removed or extinguished (the Blatta of which entomologists were not cognisant, Germanica, however, which abounds in some but I find myself forestalled; the fact is 'as houses, is bolder, making its appearance in old as the hills.' It is, that the cockroach the day, and running up the walls and over seeks with diligence and devours with great

"I will not mention names, but I am so con- | beetles, cockroaches, rats, mice," &c., were willingly take the entire responsibility of the | mation:following narrative:—

bedfellows; and my informant bears willing | tion for our composition from any street-seller. testimony to the truth of the adage. He had | We have seen, a year or two since, a man not been prosperous, and had sought shelter about London who used to sell beetle-wafers: in a London boarding-house; every night he | but as we knew that kind of article to be saw cockroaches ascending his bed-curtains; entirely useless, we were not surprised to find every morning he complained to his very that he did not succeed in making a living. respectable landlady, and invariably received | We have not heard of him for some time, and the comforting assurance that there was not a have no doubt he is dead, or has taken up black-beetle in the house.' Still he pursued | some other line of employment. his nocturnal investigations, and he not only | "It is a strange fact, perhaps; but we do saw cockroaches running along the tester of not know anything, or scarcely anything, as to the bed, but, to his great astonishment, he the kind of people and tradesmen who purpositively observed one of them seize a bug, chase our poison—to speak the truth, we do and he therefore concluded, and not without | not like to make too many inquiries of our some show of reason, that the cockroach customers. Sometimes, when they have used ascended the curtains with this especial object, | more than their customary quantity, we have and that the more odoriferous insect is a asked, casually, how it was and to what kind of favourite food of the major one.

'Narrative of Foster's Voyage,' corroborates You see tradesmen don't like to divulge too this recent observation, and illustrates the much; for it must be a poor kind of profession proverb which I have taken as my text: or calling that there are no secrets in; and, *Cockroaches, those nuisances of ships, are again, they fancy we want to know what deplentiful at St. Helena, and yet, bad as they scription of trades use the most of our comare, they are more endurable than bugs. position, so that we might supply them direct Previous to our arrival here in the Chanticleer from ourselves. we had suffered great inconvenience from the latter; but the cockroaches no sooner made | not to inquire curiously into the matters of our their appearance than the bugs entirely dis- customers. We are quite content to dispose appeared. The fact is, the cockroach preys of the quantity we do, for we employ six upon them, and leaves no sign or vestige travellers to call on chemists and oilmen for of where they have been. So far, the latter the town trade, and four for the country. is a most valuable insect."

to — hedgehogs, cucumber-peel, red wafers, phosphoric paste, glazed basins or pie-dishes | sell in the year; but we can tell you, sir, that tilled with beer, or a syrup of beer and sugar, we sell more for beetle poisoning in the with bits of wood set up from the floor to the summer than in the winter, as a matter of edge, for the creatures to run up by, and then | course. When we find that a particular district be precipitated into the fatal lake, but believes uses almost an equal quantity all the year that "none of these methods are fundamental | round, we make sure that that is a rat district; enough for the evil," which, so far as he is yet | for where there is not the heat of summer to aware, can only be effectually cured by heating | breed beetles, it must follow that the people our houses by steam!

BEETLE DESTROYERS.

seven years, and which manufactures ex- though it is in a high situation, is very much clusively poison known to the trade as the infested with beetles; it is a clayey soil, you

fident of the veracity of the narrator, that I kind enough to give me the following infor.

"We have now sold this vermin poison for "'Poverty makes one acquainted with strange | seven years, but we have never had an applica-

business-people they disposed of it, and we have "The following extract from Mr. Webster's always been met with an evasive sort of answer.

"From this cause we have made it a rule

"The other day an elderly lady from High-So great is the annoyance and discomfort street, Camden Town, called upon us: she arising from these insects in Cockney house- stated that she was overrun with black-beetles, holds, that the author of a paper in the Daily | and wished to buy some of our paste from our-News discusses the best means of effecting | selves, for she said she always found things their extirpation. The writer of the article | better if you purchased them of the maker, as referred to avows his conviction, that the you were sure to get them stronger, and by ingenious individual who shall devise the that means avoided the adulteration of the means of effectually ridding our houses of shopkeepers. But as we have said we would these insect pests will deserve to be ranked | not supply a single box to any one, not wishing amongst the benefactors of mankind. The to give our agents any cause for complaint, we writer details the various expedients resorted | were obliged to refuse to sell to the old lady.

"We don't care to say how many boxes we wish to get rid of rats.

"Brixton, Hackney, Ball's Pond, and Lower Road, Islington, are the places that use most of our paste, those districts lying low, and A FIRM, which has been established in London | being consequently damp. Camden Town, * Phosphor Paste for the destruction of black- understand, which retains moisture, and will of our paste.

summer, is a good beetle summer; and this oven, where there are plenty of bread crumbs. has been a very fertile year, and we only hope

it will be as good next year.

profess to kill with weasels and a lot of things, and sometimes even say they can charm them in the docks, will employ these people; and, | the belly always lank and void of superfluity." us we say, they generally use our composition, but as long as their vessels are cleared of the vermin, they don't care to know how it is done. A man who drives about in a cart, and does a East-end or Whitechapel way.

"Our prices are too high for the streetsellers. Your street-seller can only afford to shillings; so you can imagine the profit is not | Selborne.)

enough for the itinerant vendor.

"Bakers don't use much of our paste, for they seem to think it no use to destroy the vermin—beetles and bakers' shops generally go together."

CRICKETS.

THE house-cricket may perhaps be deemed a still more annoying insect than the common cockroach, adding an incessant noise to its ravages. Though it may not be unpleasant to hear for a short time "the cricket chirrup in the hearth," so constant a din every evening must greatly interrupt comfort and conversation.

These garrulous animals, which live in a kind of artificial torrid zone, are very thirsty souls, and are frequently found drowned in pans of water, milk, broth, and the like. Whatever is moist, even stockings or linen hung out to dry, is to them a bonne bouche; crumbs of bread, and even salt, or anything 206, 7.)

The house-cricket (Acheta domestica) is well

not allow it to filter through like gravel. This | eat and destroy lamb's-wool stockings, and is why in some very low districts, where the other woollen stuffs, hung near a fire to dry. houses are built on gravel, we sell scarcely any Although the food of crickets consists chiefly of vegetable substances, they exhibit a pro-"As the farmers say, a good fruit year is a pensity to carnivorous habits. The housegood fly year; so we say, a good dull, wet cricket thrives best in the vicinity of a baker's

Mouffet marvels at its extreme lankness, inasmuch as there is not "found in the belly "We don't believe in rat-destroyers; they any superfluity at all, although it feed on the moisture of flesh and fat of broth, to which, either poured out or reserved, it runs in the away. Captains of vessels, when they arrive night; yea, although it feed on bread, yet is

—(Theatre of Insects, p. 96.)

White of Selborne, again, says, "as one would suppose, from the burning atmosphere which they inhabit, they are a thirsty race, great business in this way, we have reason to and show a great propensity for liquids, being believe uses a great quantity of our Phosphor | frequently found dead in pans of water, milk, Paste. He comes from somewhere down the | broth, or the like. Whatever is moist they are fond of, and therefore they often gnaw holes in wet woollen stockings and aprons that are hung to the fire. These crickets are sell an article made by a person in but a very | not only very thirsty, but very voracious; for little better position than himself. Even our | they will eat the scummings of pots, yeast. small boxes cost at the trade price two shillings | bread, and kitchen offal, or sweepings of a dozen, and when sold will only produce three | almost every description." - (Nat. Hist. of

> The cricket is evidently not fond of hard labour, but prefers those places where the mortar is already loosened, or at least is new, soft, and easily scooped out; and in this way it will dig covert channels from room to room. In summer, crickets often make excursions from the house to the neighbouring fields, and dwell in the crevices of rubbish, or the cracks made in the ground by dry weather, where they chirp as merrily as in the snuggest chimney-corner. Whether they ever dig retreats in such circumstances we have not ascertained, though it is not improbable they may do so for the purpose of making nests.

"Those," says Mr. Gough of Manchester, "who have attended to the manners of the hearth-cricket, know that it passes the hottest part of the summer in sunny situations, concealed in the crevices of walls and heaps of rubbish. It quits its summer abode about the end of August, and fixes its residence by the fireside of kitchens or cottages, where it they will eat the skimmings of pots, yeast, multiplies its species, and is as merry at Christmas as other insects in the dog-days. within their reach. Sometimes they are so | Thus do the comforts of a warm hearth afford abundant in houses as to become absolute the cricket a safe refuge, not from death, but pests, flying into the candles and even into from temporary torpidity, though it can suppeople's faces.—(Kirby and Spence's Ent. i. port this for a long time, when deprived by accident of artificial warmth.

"I came to a knowledge of this fact," conknown for its habit of picking out the mortar tinues Mr. Gough, "by planting a colony of of ovens and fire-places, where it not only these insects in a kitchen, where a constant enjoys warmth, but can procure abundance of fire was kept through the summer, but which food. It is usually supposed that it feeds on is discontinued from November till June, with bread. M. Latreille says it only eats insects, the exception of a day once in six or eight and it certainly thrives well in houses infested weeks. The crickets were brought from a by the cockroach; but we have also known it distance, and let go in this room, in the be-

ginning of September, 1806; here they in- | prefers the warmth of an oven or a good fire, me to conclude that the cold had killed them; | dog-days is to others. but in this I was mistaken; for a brisk fire being kept up for a whole day in the winter, day, yet their natural time of motion is only the warmth of it invited my colony from their in the night. As soon as darkness prevails hiding-place, but not before the evening; after the chirping increases, whilst the hearthwhich they continued to skip about and chirp | crickets come running forth, and are often to the greater part of the following day, when be seen in great numbers, from the size of a they again disappeared - being compelled, by | flea to that of their full stature. the returning cold, to take refuge in their former retreats. They left the chimney- are sometimes kept for their music; and the corner on the 25th of May, 1807, after a fit of learned Scaliger took so great a fancy to their very hot weather, and revisited their winter | song, that he was accustomed to keep them residence on the 31st of August. Here they in a box in his study. It is reported that in spent the summer merely, and at present some parts of Africa they are kept and fed in (January, 1808) lie torpid in the crevices of a kind of iron oven, and sold to the natives, the chimney, with the exception of those days | who like their chirp, and think it is a good on which they are recalled to a temporary | soporific. - (Mouffet, Theat. Insect. 136.) existence by the comforts of the fire."—(Reeve, Essay on the Torpidity of Animals, p. 84.)

M. Bery St. Vincent tells us that the Spaniards are so fond of crickets that they keep them in cages like singing-birds.—(Dict. Classique d'Hist. Nat. Art., Grillon. Rennie's Insect Architecture, 4th edit. p. 242.)

Associated as is the chirping song of the cricket family of insects with the snug chimneycorner, or the sunshine of summer, it affords a pleasure which certainly does not arise from the intrinsic quality of its music. "Sounds," says White, "do not always give us pleasure according to their sweetness and melody; nor do harsh sounds always displease. Thus, the shrilling of the field-cricket (Acheta campestris), though sharp and stridulous, yet marvellously delights some hearers, filling too hot at that season."-(p. 82.) their minds with a train of summer ideas of everything that is rural, verdurous, and joyous." -(Nat. Hist. of Selborne, ii. 73.)

"Sounds inharmonious in themselves, and harsh, Yet heard in scenes where peace for ever reigns, And only there, please highly for their sake." COWPER, Task, Book I.

This circumstance, no doubt, causes the save them the labour of digging.

it occasionally in the hedge-banks in summer, Miscellanies, p. 62.)

creased considerably in the course of two and thence, residing as it were always in the months, but were not heard or seen after the torrid zone, is ever alert and merry—a good fire was removed. Their disappearance led | Christmas fire being to it what the heat of the

Though crickets are frequently heard by

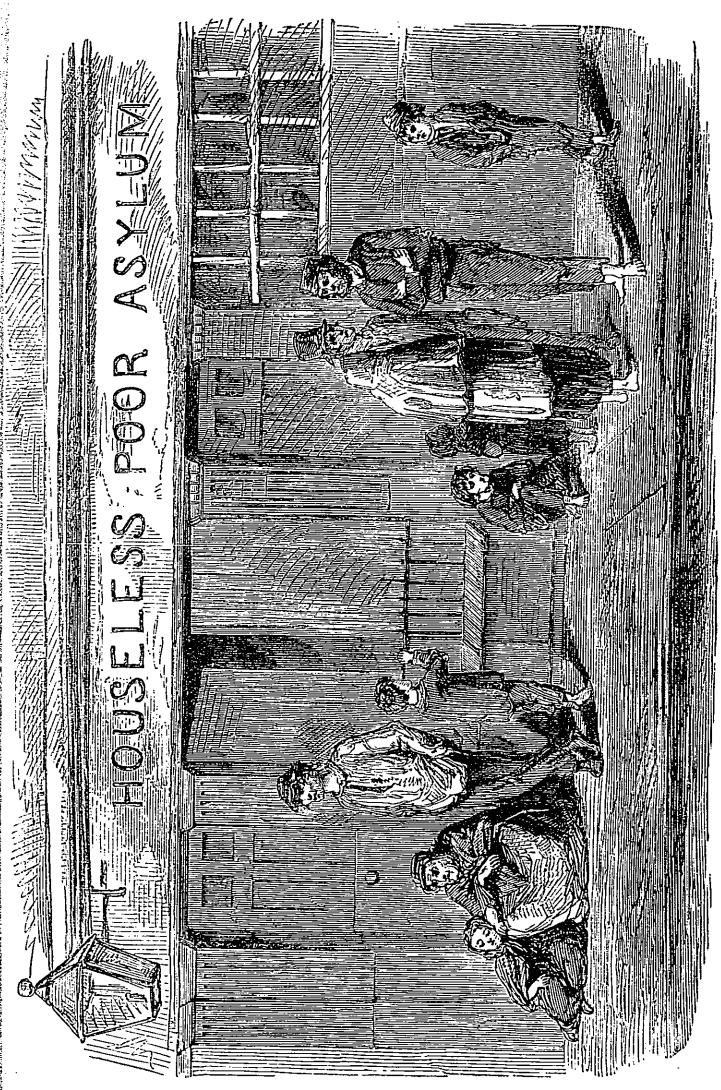
Like the field-cricket, the hearth-crickets

Milton, too, chose for his contemplative pleasures a spot where crickets resorted:-

"Where glowing embers through the room Teach light to counterfeit a gloom, Far from all resort of mirth, See the cricket on the hearth."-Il Icascrose.

Rennie, in his Insect Miscellanies, says, We have been as unsuccessful in transplant. ing the hearth-cricket as White was with the field-crickets. In two different houses we have repeatedly introduced crickets, but could not prevail on them to stay. One of our trials, indeed, was made in summer, with insects brought from a garden-wall, and it is probable they thought the kitchen fire-side

The so-called *chirp* of the cricket is a vulgar error. The instrument (for so it may be styled) upon which the male cricket plays (the female is mute) consists of strong nervures or rough strings in the wing cases, by the friction of which against each other a sound is produced and communicated to the membranes stretched between them, in the same manner as the vibrations caused by the Spaniards to keep them in cages, as we do friction of the finger upon the tambourine are singing-birds. White tells us that, if sup-diffused over its surface. It is erroneously plied with moistened leaves, they will sing as stated in a popular work, that "the organ is merrily and loud in a paper cage as in the a membrane, which in contracting, by means fields; but he did not succeed in planting a of a muscle and tendon placed under the colony of them in the terrace of his garden, wings of the insect, folds down somewhat like though he bored holes for them in the turf to a fan;" and this, being "always dry, yields by its motion a sharp piercing sound."—(Bing, The hearth-cricket, again, though we hear Anim. Biog. iv. 6th edit. Rennie's Insect



POOR, [From a Steetch.]