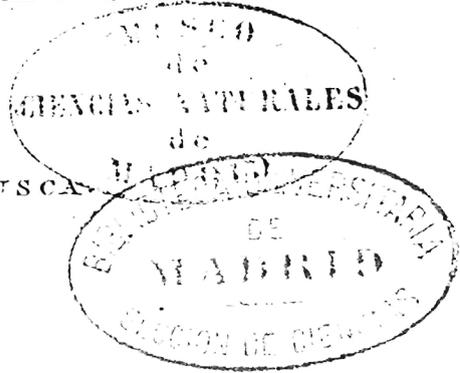


# BRITISH ZOOLOGY.

VOL. IV.

CRUSTACEA. MOLLUSCA.

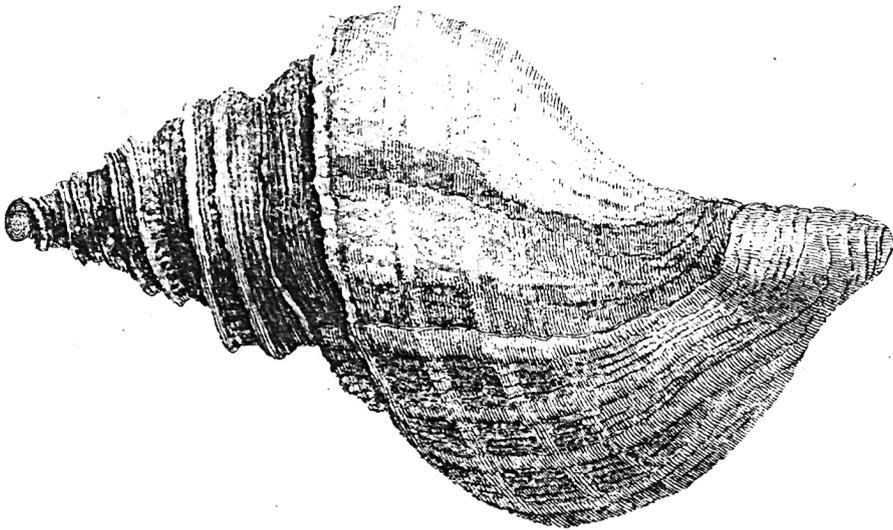
TESTACEA.



O MARE, O LITTUS, verum secreta tumque

Μυσθιον! quam multa invenitis, quam multa

dictatis!



L O N D O N.

Printed for Benj. White.

MD CCLXXVII.

S Y S T E M A T I C I N D E X .

O F

P L A T E S.



C L A S S V. C R U S T A C E O U S .

G E N U S I. C R A B S .

- PLATE I. N°
- I. 1. Pea.
  - 2. Minute.
  - 3. Long-horned.
  - 4. Broad-foot.
  - II. 5. Common.
  - 6. Cleaner.
  - III. 7. Black-clawed.
  - IV. 8. Velvet.
  - A. 6.

b

PLATE V.

SYSTEMATIC INDEX OF PLATES.

- PLATE V. N° 9. Wrinkled.  
10. Angular.  
VI. 11. Bristly.  
12. Great-clawed.  
VII. 13. Long-clawed M. and F.  
VIII. 14. Horrid.  
15. Four-forked.  
IX. 16. Spider.  
17. Slender-legged.  
A. 18. Weymouth.  
19. Uneven.  
20. Rough.

GENUS II. LOBSTERS.

- X. 21. Vulgar.  
XI. 22. Spiny.  
XII. 24. Norway.  
32. Atom.  
XIII. 25. Long-clawed.  
XIV. 26. Plated.  
XV. 27. Craw-fish.  
30. Shrimp.  
XVI. 28. Prawn.  
31. Linear.  
XVII. 38. Hermit.

ONISCI,

# BRITISH ZOOLOGY.

C L A S S V.

## CRUSTACEOUS ANIMALS.



With eight feet, or ten; rarely six.

Two of the feet clawed.

Two eyes, remote; for the most part fixed on a stalk, moveable.

Tail foliated, and short, lodged in a groove in the body.

CANCER.  
CRAB.

*C. Lin. Syst. 1039.*

*Pisum.*  
I. PEA.

CR. **W**ITH rounded and smooth thorax, entire and blunt.  
With a tail of the size of the body, which commonly is of the bulk of a pea.

Inhabits the mussel, and unjustly has acquired the repute of being poisonous. The swelling after eating of mussels is wholly constitutional; for one that is affected by it, hundreds remain uninjured.

B

CRABS,

CRABS, either of this kind, or allied to them, the ancients believed to have been the consentaneous inmates of the *pinnae*, and other bivalves; which being too stupid to perceive the approach of their prey, were warned of it by their vigilant friend. *Oppian* tells the fable prettily\*.

Οσρακον αυ βυζιας, &c.

In clouded deeps below the *Pinna* hides,  
 And thro' the silent paths obscurely glides;  
 A stupid wretch, and void of thoughtful care,  
 He forms no bait, nor lays the tempting snare.  
 But the dull sluggard boasts a *Crab* his friend,  
 Whose busy eyes the coming prey attend.  
 One room contains them, and the partners dwell  
 Beneath the convex of one sloping shell;  
 Deep in the wat'ry vast the comrades rove,  
 And mutual int'rest binds their constant love;  
 That wiser friend the lucky juncture tells,  
 When in the circuit of his gaping shells  
 Fish wand'ring enter; then the bearded guide  
 Warns the dull mate, and pricks his tender side;  
 He knows the hint, nor at the treatment grieves,  
 But hugs th' advantage, and the pain forgives:  
 His closing shells the *Pinna* sudden joins,  
 And 'twixt the pressing sides his prey confines;  
 Thus fed by mutual aid, the friendly pair  
 Divide their gains, and all the plunder share.

\* *Halieut. lib. ii.* He calls the crab Πινοφυλαξ, *custos Pinnae*.

C. *Lin. Syst.* 1040. *Gronov. Zooph. No.* 962.  
*Baſter*, ii. p. 26. *tab. iv. f.* 1. 2.

*Minutus.*  
 2. MINUTE.

CR. with a smooth and ſomewhat ſquare thorax ; the edges ſharp ; horns ſhort ; leſs than the laſt.

Inhabits our ſhores among *Algæ*.

C. *Lin. Syst.* 1040. *Gronov. Zooph. No.* 968.  
*Baſter*, ii. p. 26. *tab. iv. f.* 3.

*Longicornis.*  
 3. LONG-  
 HORNED.

CR. with a round ſmooth thorax ; with large claws ; very long horns ; ſize of the laſt.

Inhabits our ſhores.

Cancer latipes. *Rondel*, 565. *Gronov. Zooph. No.* 954.  
 Cancer latipes parvus oblongus variegatus. *Plancus*, 34. *tab. iii. fig.* 7.

*Latipes.*  
 4. BROAD-  
 FOOT.

CR. with a ſub-cordated body ; ſhort feelers ; angular claws ; five ſmall teeth on each ſide ; the hind legs ovated.

C. *Lin. Syst.* 1043. *Baſter*, ii. *tab. ii. f.* 1.  
*Faun. Suec. No.* 2026. *Gronov. Zooph.* 955.

*Menas.*  
 5. COMMON.

CR. with three notches on the front ; five ferrated teeth on each ſide ; claws ovated ; next joint, toothed ; hind feet ſubulated ; dirty green color ; red when boiled.

Inhabits all our ſhores ; and lurks under the *Algæ*, or burrows under the ſand. Is fold ; and eaten by the poor of our capital.

*Depurator.*  
6. CLEAN-  
SER. C. *Lin. Syst.* 1043. No. 23.  
*Seb. Mus.* iii. tab. xviii. fig. 9.

CR. with a sub-cordated body; thorax on each side quinque-dentated; front indented; claws angulated; second joint spined; hind legs have the two last joints ovated and ciliated.

A. vi. Variety with a tuberculated surface. *Vide* tab. iv.

Inhabits generally the deeps; feeds on dead fish: hence called *the purifier* or *cleanser*, as causing the removal of putrid bodies.

*Pagurus.*  
7. BLACK-  
CLAWED. C. *Lin. Syst.* 1044. *Gronov. Zooph.* No. 967.  
*Belon. aquat.* 368. *Rondel. pisc.* 560. *Faun. Sust.* No. 2028. *Merret's Pinax.*

CR. with a crenated thorax; smooth body; quinque-dentated front; smooth claws with black tips; hind feet subulated.

Inhabits the rocky coasts; the most delicious meat of any; casts its shell between *Christmas* and *Easter*.

The tips of the claws of this species are used in medicine; intended to absorb acidities in the stomach and bowels.

*Velutinus.*  
8. VELVET. CR. with the thorax quinque-dentated; body covered with short brown velvet-like pile; claws covered with minute tubercles; small spines round the top of the second joint; hind legs broadly ovated. This is among the species taken notice of by *Aristotle* \* on account of the broad feet, which, he says, assist them in swimming: as web-feet do the water-fowl.

Inhabits the western coasts of *Anglesea*.

\* *De Part. Anim. lib. iv. c. 8.*

CR. with

CR. with the thorax quinque-dentated; ferrated; body wrinkled transversely; claws furnished with a single spine on the first and second joint; fangs ferrated; last pair of legs ovated.

*Corrugatus.*  
9. WRINKLED.

Found on the shores of *Skie*, opposite to *Loch Furn.*

CR. with a rectangular body; the thorax armed near the corner with two spines; the claws very long; the upper fangs black; legs slender and subulated.

*Angulatus.*  
10. ANGULAR.

*Weymouth.* From the PORTLAND cabinet.

C. *Lin. Syst.* 1045. *Faun. Succ. No.* 2029.  
*Cancer hirsutus. Rondel.* 568.

*Hirtellus.*  
11. BRISTLY.

CR. with a hairy thorax; on both sides slightly quinque-dentated; claws ovated, slightly echinated, and hairy; feet, bristly and subulated. A small species; of a reddish color.

Found beneath stones.

CR. with a tridentated front; thorax entire; claws of a large size; depressed, and greatly ciliated on the outside; only three subulated legs on each side; body little bigger than a horse-bean, and almost round: *Antennæ* very long and turning back, when not in use.

*Platy-cheles.*  
12. GREAT-CLAWED.

Inhabits the *Algæ* on the coast of *Anglesea* and the *Hebrides.*

CR. with bifurcated front; a spine at the corner of each eye; another on each side of the thorax towards the tail; body ovated and smooth; *Antennæ* of the length of the body; the claws above;

*Cassivelannus.*  
13. LONG-CLAWED.

as long again as the body; feet subulated. The supposed female; of the same form; only the claws not half so long.

Inhabits the deep near *Holyhead* and *Red-Wharf Anglesea*.  
Dredged up.

*Horridus.* Cancer. *Lin. Syst.* 1047.  
14. HORRID. *C. spinosus.* *Seb. Mus.* iii. tab. xxii. f. 1. *Gronov. Zooph.* No. 976.  
Fans, Troid Crabber. *Pontop. Norway* ii. 176. tab. p. 177.

CR. with a projecting bifurcated snout, the end diverging; body heart-shaped; and with the claws and legs covered with long and very sharp spines. A large species.

Inhabits the rocks on the eastern coast of *Scotland*. Common to *Norway* and *Scotland*, as many of the marine animals and birds are.

*Tetra-odon.* CR. with a quadri-furcated snout; the two middle spines the  
15. FOUR- longest; thorax spiny; body heart-shaped and uneven; claws  
FORKED. long; legs slender.

Inhabits the *Isle of Wight*.

*Araneus.* Cancer. *Lin. Syst.* 1044.  
16. SPIDER. *Faun. Suec.* No. 2030. *Jonston Exang.* tab. v. fig. 13.

CR. with a bifid snout; bristly thorax; body, heart-shaped, and tuberculated; claws long and oblongly ovated; legs slender, long and subulated.

Inhabits our shores: Often covered with a *byssus*, as in specimen xvi. A.

CR. with

CR. with a bifid snout; heart-shaped, small tuberculated body; long claws; legs of a vast length, very slender, and hairy.

*Phalangium.*  
17. SLENDER-LEG'D.

Inhabits the depths on the coasts of *Anglesea*.

CR. with a cordated body, rugged and bent, with a few spines; very thick, and long claws; and very slender legs, the first pair much longer than the rest.

*Dorsetensis.*  
18. WEYMOUTH.

*Weymouth.* From the PORTLAND cabinet.

CR. with a tuberos, smooth back; small claws, and short legs; snout slightly bifid.

*Tuberosus.*  
19. UNEVEN-

From the same cabinet.

CR. with a cordated body; bifid snout; legs and claws short; those and the body rough and spiny.

*Asper.*  
20. ROUGH-

From the same cabinet.

Cilyndric

*ASTACUS.*  
LOBSTER.

Cylindric body.  
Long antennæ.  
Long tail.

*Gammarus.* Cancer. *Lin. Syst.* 1050. No.  
21. VULGAR. *Astacus.* *Rondel.* 538.

L. WITH a smooth thorax; short ferrated snout; very long antennæ; and between them two shorter, bifid; claws and fangs, large, the greater tuberculated, the lesser ferrated on the inner edge; four pair of legs; six joints in the tail; caudal fins rounded.

Inhabits all the rocky shores of our island; but chiefly where there is a depth of water. In *Llyn*, in *Caernarvonshire*, a certain small lobster, nothing different except in size, burrows in the sand.

Brought in vast quantities from the *Orkney* isles, and many parts of the eastern coast of *Scotland*, to the *London* markets. Sixty or seventy thousand are annually brought, in well-boats, from the neighborhood of *Montrose* alone\*.

Lobsters fear thunder; and are apt to cast their claws on a great clap. I am told they will do the same on firing a great gun; and that when men of war meet a lobster-boat, a jocular threat is used, That, if the master does not sell them good lobsters, they will *salute him*.

\* *Tour in Scotland*, 1772. part. ii. p. 146.

CLASS V.            L O B S T E R S.

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The habitation of this species is in the clearest water; at the foot of rocks that impend over the sea. This has given opportunity of examining more closely into the natural history of the animal, than many others who live in an element that prohibits most of the human researches, and limits the inquiries of the most inquisitive. Lobsters are found on most of the rocky coasts of *Great Britain*. Some are taken by the hand; but the greater quantity in pots, a sort of trap formed of twigs, and baited with garbage; they are formed like a wire mouse-trap, so that when the lobster gets in, there is no return. These are fastened to a cord sunk into the sea, and their place marked by a buoy.

They begin to breed in the spring, and continue breeding most part of the summer. They propagate *more humano*; and are extremely prolific. Doctor *Baster* says he counted 12,444 eggs under the tail, besides those that remained in the body, unprotruded. They deposit these eggs in the sand, where they are soon hatched.

Lobsters change their crust annually. Previous to their putting off their old one, they appear sick, languid, and restless. They totally acquire a new coat in a few days; but during the time that they remain defenceless they seek some very lonely place, for fear of being attacked and devoured by such of their brethren that are not in the same weak situation.

It is also remarkable, that Lobsters and Crabs will renew their claws, if by accident they are torn off; and it is certain they will grow again in a few weeks.

They are very voracious animals, and feed on sea-weeds, on garbage, and on all sorts of dead bodies.

## L O B S T E R S. CLASS V.

Additional to this, I beg leave to give an accurate account of the natural history of this animal, communicated to me by the ingenious Mr. *Travis*, furgeon, at *Scarborough*.

‘ *Scarborough*, 25th Oct. 1768.

‘ S I R,

‘ WE have vast numbers of fine Lobsters on the rocks, near our coast. The large ones are in general in their best season from the middle of *October* till the beginning of *May*. Many of the small ones, and some few of the larger sort are good all the summer. If they be four inches and a half long or upwards, from the tip of the head to the end of the back shell, they are called *sizeable Lobsters*. If only four inches, they are esteemed half size; and when sold, two of them are reckon’d for one of size. If they be under four inches, they are called *pawks*, and are not saleable to the carriers, though, in reality, they are in the summer months superior to the large ones in goodness. The pincers of one of the lobsters large claws are furnished with knobs, and those of the other claw are always ferrated. With the former it keeps firm hold of the stalks of submarine plants, and with the latter it cuts and minces its food very dextrously. The knobbed or numb claw, as the Fishermen call it, is sometimes on the right and sometimes on the left, indifferently. It is more dangerous to be seized by them with the cutting claw than the other; but in either case, the quickest way to get disengaged from the creature is to pluck off its claw. It seems peculiar to the Lobster and Crab, when their claws are pulled off, that they will grow again, but never so large as at first.

‘ The Female or Hen Lobster does not cast her shell the same year that she deposits her *ova*, or, in the common phrase, is in  
‘ *berry*.

CLASS V.            L O B S T E R S.

‘ *berry*. When the *ova* first appear under her tail, they are very  
‘ small and extremely black; but they become in succession al-  
‘ most as large as ripe elder-berries before they be deposited, and  
‘ turn of a dark brown color, especially towards the end of the  
‘ time of her depositing them. They continue full and depositing  
‘ the *ova* in constant succession, as long as any of that black sub-  
‘ stance can be found in their body, which, when boiled, turns of  
‘ a beautiful red color, and is called their *coral*. Hen Lobsters  
‘ are found in *berry* at all times of the year, but chiefly in winter.  
‘ It is a common mistake, that a berried Hen is always in perfection  
‘ for the table. When her berries appear large and brownish, she  
‘ will always be found exhausted, watery, and poor. Though the  
‘ *ova* be cast at all times of the year, they seem only to come to  
‘ life during the warm summer months of July and August. Great  
‘ numbers of them may then be found, under the appearance of  
‘ tad-poles, swimming about the little pools left by the tides among  
‘ the rocks, and many also under their proper form, from half an  
‘ inch to four inches in length.

‘ In casting their shells, it is hard to conceive how the Lobster is  
‘ able to draw the fish of their large claws out, leaving the shells  
‘ entire and attached to the shell of their body; in which state they  
‘ are constantly found. The fishermen say the Lobster pines before  
‘ casting, till the fish in its large claw is no thicker than the quill of a  
‘ goose, which enables it to draw its parts through the joints and nar-  
‘ row passage near the trunk. The new shell is quite membraneous at  
‘ first, but hardens by degrees. Lobsters only grow in size while their  
‘ shells are in their soft state. They are chosen for the table, by their  
‘ being heavy in proportion to their size; and by the hardness of their  
‘ shells on their sides, which, when in perfection, will not yield to

' moderate pressure. Barnacles and other small shell-fish adhering  
 ' to them are esteemed certain marks of superior goodness. Cock-  
 ' Lobsters are in general better than the Hens in winter ; they are  
 ' distinguished by the narrowness of their tails, and by their having  
 ' a strong spine upon the center of each of the transverse processes  
 ' beneath the tail, which support the four middle plates of their  
 ' tails. The flesh of a Lobster's claw is more tender, delicate, and  
 ' easy of digestion than that of the tail. Lobsters are not taken here  
 ' in pots, as is usual where the water is deeper and more still than  
 ' it is upon our coast. Our fishermen use a bag-net fixed to an iron  
 ' hoop, about two feet in diameter, and suspended by three lines  
 ' like a scale. The bait is commonly fish-guts tied to the bottom and  
 ' middle of the net. They can take none in the day-time, except  
 ' when the water is thick and opaque ; they are commonly caught  
 ' in the night, but even then it is not possible to take any when  
 ' the sea has that luminous appearance which is supposed to pro-  
 ' ceed from the *noctiluca*. In summer, the Lobsters are found  
 ' near the shore, and thence to about six fathoms depth of water ;  
 ' in winter, they are seldom taken in less than twelve or fifteen  
 ' fathoms. Like other insects, they are much more active and  
 ' alert in warm weather than in cold. In the water they can run  
 ' nimbly upon their legs or small claws, and if alarmed can spring  
 ' tail-foremost, to a surprising distance, as swift as a bird can fly.  
 ' The fishermen can see them pass about thirty feet, and by the  
 ' swiftness of their motion, suppose they may go much farther.  
 ' *Athenæus* remarks this circumstance, and says, that *the incurvated*  
 ' Lobsters *will spring with the activity of dolphins*. Their eyes are  
 ' raised upon moveable bases, which enables them to see readily  
 ' every way. When frightened, they will spring from a consider-  
 ' able

CLASS V.            L O B S T E R S.

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‘ able distance to their hold, in the rock ; and what is not less surprizing than true, will throw themselves into their hold in that manner, through an entrance barely sufficient for their bodies to pass ; as is frequently seen by the people who endeavor to take them at *Filey Bridge*. In frosty weather, if any happen to be found near the shore, they are quite torpid and benumbed. A sizeable Lobster is commonly from one pound to two in weight. There was one taken here this summer which weighed above four, and the fishermen say they have seen some which were of six pounds, but these are very rare.

‘ I am, Sir, &c.’

I conclude with saying, that the Lobster was well known to the ancients, and that it is well described by *Aristotle*, under the name of *Ασάκος* \* ; that it is found as far as the *Hellespont*, and is called, at *Constantinople*, † *Liczuda*, and *Lickuda*.

Cancer. *Lin. Syst.* 1053.  
Locusta. la Langouste. *Rondel. pisc.* 535.

*Homarus.*  
22. SPINY.

L. with a front broad, armed with two large spines, and between them a smaller, guards to the eyes, which are prominent; *Antennæ* longer than body and tail; spiny at their origin; beneath them two lesser; claws short, small, smooth; fangs small, single, hinged; legs slender and smooth; body and thorax horrid with spines; tail longer than that of the common Lobster; on each part, above, is a white spot, the bottoms are crooked and serrated; the tail-fin, partly membranaceous, partly crustaceous.

\* *Hist. An. lib. iv. c. 2.*

† *Belen Hist. Poissons.* 357.

Inhabits

## L O B S T E R S. CLASS V.

Inhabits our rocky coasts; often taken about the promontory of *Llyn*, and *Bardsley* isle.

The *French* name of this species has been barbarously translated into the *Long-oyster*.

*Arctus.*  
23. BROAD: C. *Lin. Syst.* 1053. No. 75. *Faun. Suec.* No. 2040.  
*Squilla lata.* *Rondel.* 545.

L. with two broad ferrated plates before the eyes; short furcated *antennæ*; body and tail flat and broad.

Size of the spiny Lobster.

Found by Doctor *Borlase* on *Careg Killas*, in *Mounts-Bay*. Is common to the four quarters of the world.

*Norvegicus.*  
24. NOR-  
WAY. Cancer *Norvegicus.* *Lin. Syst.* 1053.  
*Sundfiord.* *Pontop. Norway.* ii. 175. *tab. p.* 177.

L. with a long spiny snout; thorax slightly spiny; body marked with three ridges; claws very long, angular, and (along the angles) spiny; *antennæ* long; legs slender, clawed; tail long; elegantly marked with smooth and short-haired spaces, placed alternately.

Common length, from tip of the claws to the end of the tail near nine inches.

*Bamffius.*  
25. LONG-  
CLAWED. *Leo.* *Rondel.* 542.

L. with a smooth thorax, with three sharp slender spines in front; claws six inches and a half long, slender and rough; fangs strait; legs weak, bristly; *antennæ* slender, two inches and a half long; tail and body about five inches.

Taken

CLASS V.      L O B S T E R S:

Taken near *Bamff*. Communicated to me by the Reverend Mr. *Cordiner*, and engraven from his beautiful drawing.

Cancer. *Lin. Syst.* 1052.

*Strigosus.*  
26. PLATED.

L. with a pyramidal spiny snout; thorax elegantly plated; each plate marked near its junction with short *striae*; claws much longer than the body, thick, echinated, and tuberculated; the upper fang trifid; only three legs, spiny on their sides; tail broad.

The largest of this species is about six inches long.

Inhabits the coasts of *Anglesea*; under stones and *fuci*. Very active. If taken, slaps its tail against the body with much violence and noise.

Cancer. *Lin. Syst.* 1051.

*Asacus.*  
27. CRAW-  
FISH.

L. with a projecting snout slightly ferrated on the sides; a smooth thorax; back smooth, with two small spines on each side; claws large, beset with small tubercles; two first pair of legs clawed; the two next subulated; tail consists of five joints; the caudal fins rounded.

Inhabits many of the rivers of *England*; lodged in holes which they form in the clayey banks. *Cardan* says that this species is a sign of the goodness of water; for in the best water, they are boiled into the reddest color\*.

Squilla Crangon. *Rondel.* 547.

*Serratus.*  
28. PRAWN.

L. with a long ferrated snout bending upwards; three pair of very long filiform feelers; claws small, furnished with two fangs; smooth

\* Quoted by *Plot, Hist. Staffords.* 185.

thorax;

L O B S T E R S.      CLASS V.

thorax; five joints to the tail; middle caudal fin subulated; two outmost flat and rounded.

Frequent in several shores, amidst loose stones; sometimes found at sea, and taken on the surface over thirty fathoms depth of water; cinereous when fresh; of a fine red when boiled.

*Squilla.* Cancer Squilla. *Lin. Syst.* 1051. *Faun. Suec.* No. 2037.  
 29. WHITE. Squilla Batava. *Seb. Mus.* iii. p. 55. tab. xxi. fig. 9. 10.  
 Squilla fusca. *Baster* ii. 30. tab. iii. fig. 5.  
 Squilla Gibba. *Rondel.* 549.

L. with a snout like the prawn, but deeper and thinner; and feelers longer in proportion to the bulk; the sub-caudal fins rather larger; is at full growth not above half the size of the former.

Inhabits the coasts of *Kent*; is sold in *London* under the name of *the white shrimp*, as it assumes that color when boiled.

*Crangon.* Cancer Crangon. *Lin. Syst.* 1052.  
 30. SHRIMP. Squilla marina Batava. *Baster.* ii. 27. tab. iii. fig. 1. 11.  
*Rees's Insect.* iii. tab. lxiii.

L. with long slender feelers, and between them two thin projecting *laminæ*; claws with a single-hooked moveable fang; three pair of legs; seven joints in the tail; the middle caudal fin subulated; the four others rounded and fringed; a spine on the exterior side of each of the outmost.

Inhabits the sandy shores of *Britain*, in vast quantities. The most delicious of the genus.

Cancer. *Lin. Syst.* 1056.

Lesser garnel or thrimp. *Marten's Spitzberg.* 115. *tab. P. fig. i.*

*Linearis.*

31. LINEAR.

L. with long slender claws, placed very near the head, with a slender body, and six legs on each side; is about half an inch long.

Found in the sand, on the shore of *Flintshire*; is very frequent in *Spitzbergen*.

Cancer. *Lin. Syst.* 1056.

*Mirum animalculum in corallinis, &c. Baster. i. 43. tab. iv. fig. 11:*

*Atomos.*

32. ATOM.

L. with a slender body; filiform *antennæ*; three pair of legs near the head; behind which are two pair of oval *vesiculæ*; beyond, are three pair of legs, and a slender tail between the last pair.

Very minute. The help of the microscope often necessary for its inspection.

C. *Lin. Syst.* 1055. No. 81.

*Pulex.*

33. FLEA.

L. with five pair of legs, and two pair of claws imperfect; with twelve joints in the body.

Very common in fountains and rivulets; swims swiftly in an incurvated posture on its back; embraces and protects its young between the legs; does not leap.

L. *Lin. Syst.* 1055. No. 82.

*Rosel Insect. iii. tab. 62.*

*Locusta.*

34. LOCUST.

L. with four *antennæ*; two pair of imperfect claws; the first joint ovated; body consists of fourteen joints, in which it differs from the former.

D

Abounds

Abounds in summer-time on the shores, beneath stones and  
*algæ*; leaps about with vast agility.

*Salinus.*  
35. SALT.

Cancer. *Lin. Syst.* 1056.

L. with jointed body; hands without claws; *antennæ* shorter than  
the body; ten pair of legs; tail filiform, subulated; very minute.

Discovered by Doctor *Maty* in the salt pans at *Limington*.

*Stagnalis.*  
36. POND.

Cancer. *Lin. Syst.* 1056.

L. with jointed body; hands without claws; a bifid tail.

Inhabits the crannies of rocks, in fresh waters; suspected by  
*Linneus* to be the larva of an *Ephemera*.

The two last never fell under my notice.

*Mantis.*  
37. MANTIS.

C. *Lin. Syst.* 1054. No. 76.

L. with short *antennæ*; short *thorax*, and two pinnated substances  
on each side; three pair of claws with hairy ends; the body long,  
divided by eight segments: two fins on each side of the tail; tail  
conoid, with spines on the margin.

From the PORTLAND cabinet.

*Weymouth.*

*Bernardus.*  
38. HERMIT.

Cancer. *Lin. Syst.* 1049.

C. with rough claws; the right claw is the longer; the legs subu-  
lated, and ferrated along the upper ridge; the tail naked and ten-  
der,

der, and furnished with a hook, by which it secures itself in its lodging.

This species is parasitic, and inhabits the empty cavities of turbinated shells, changing its habitation according to its increase of growth, from the small *nerite*, to the large *whelk*. Nature denies it the strong covering behind, which it has bestowed on others of this class, and therefore directs it to take refuge in the deserted cases of other animals.

*Aristotle* describes it very exactly under the name of *Καρχινιον* \*. By the moderns it is called the *soldier*, from the idea of its dwelling in a tent; or the *hermit*, from retiring into a cell.

\* *Hist. An. lib. iv. c. 4. lib. v. c. 15.*

Rolle 0703

1759

Erman 1777

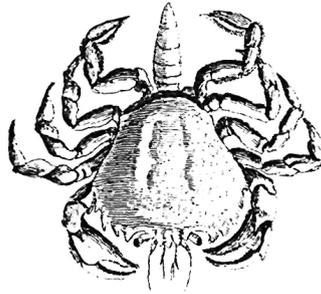
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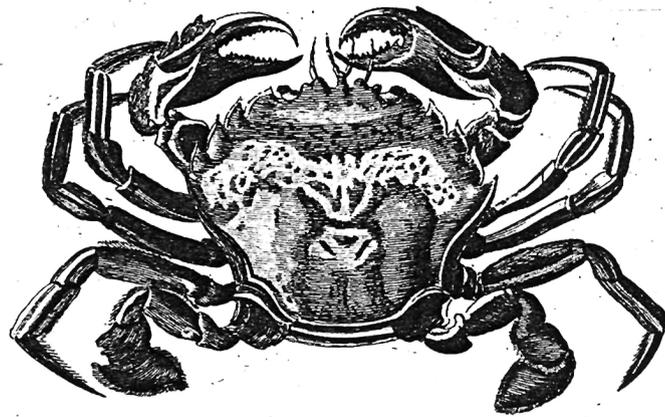
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4



6.



5.

