

**The naturalists' miscellany, or, Coloured figures of natural objects; drawn and described immediately from nature.**

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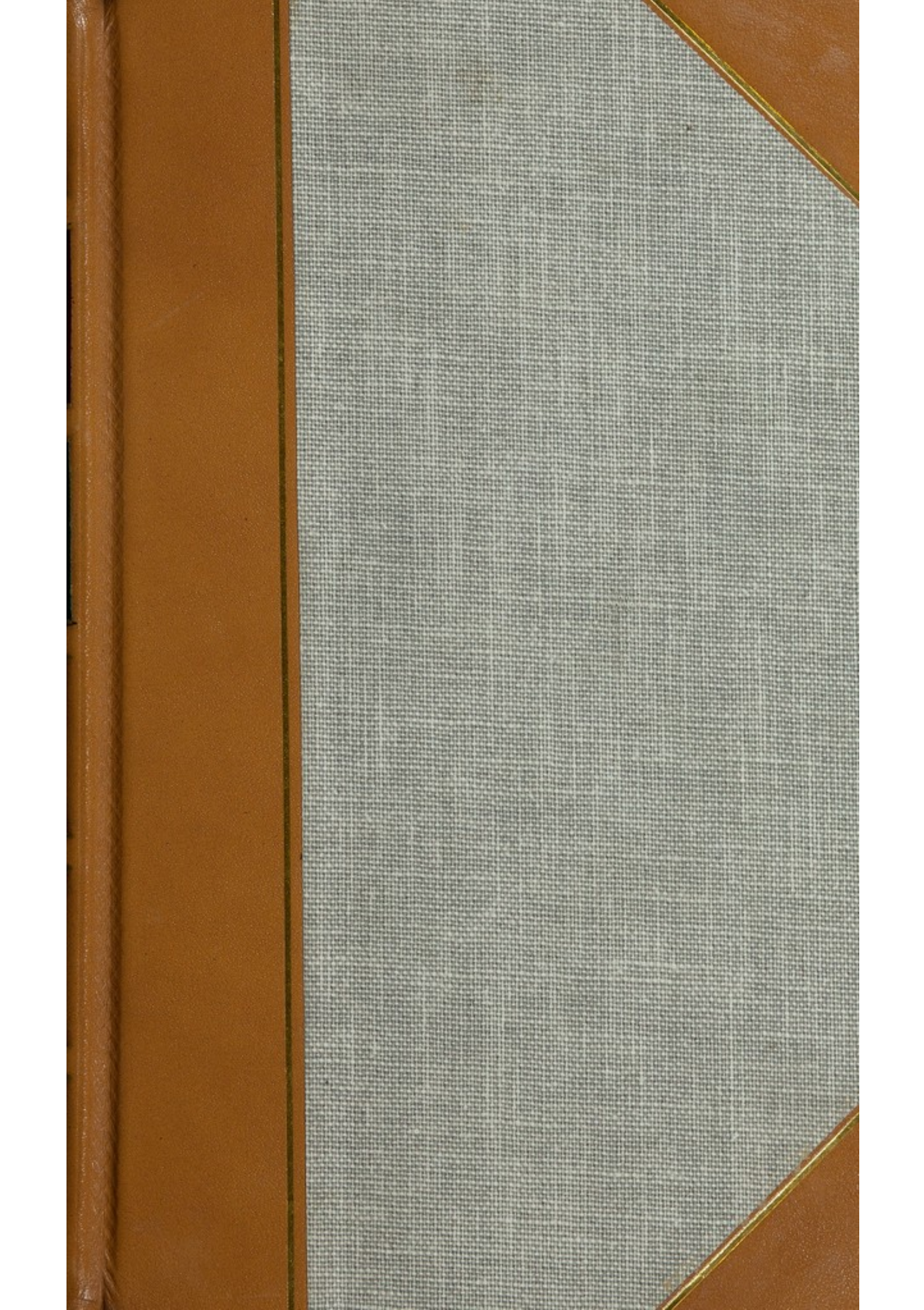
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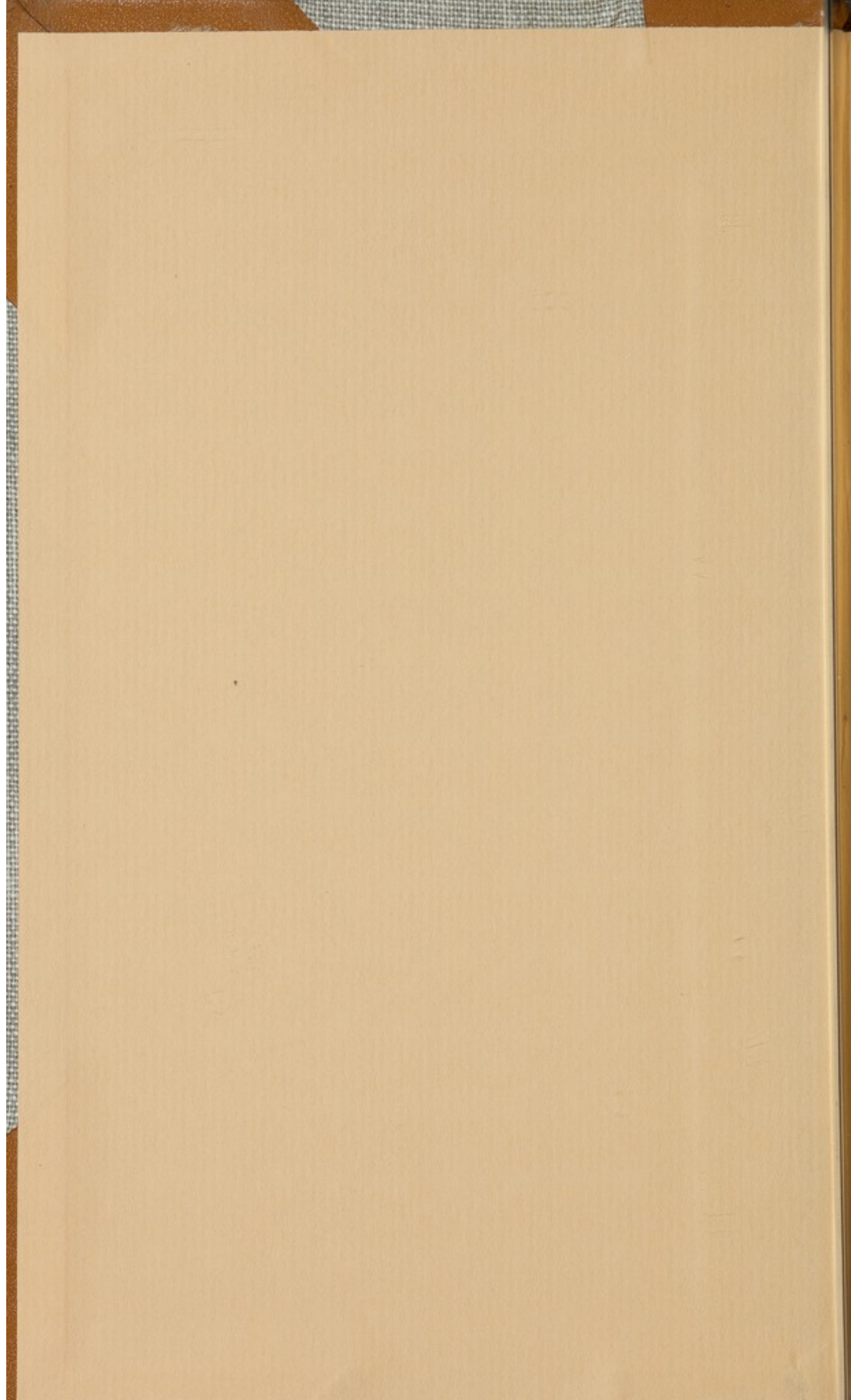


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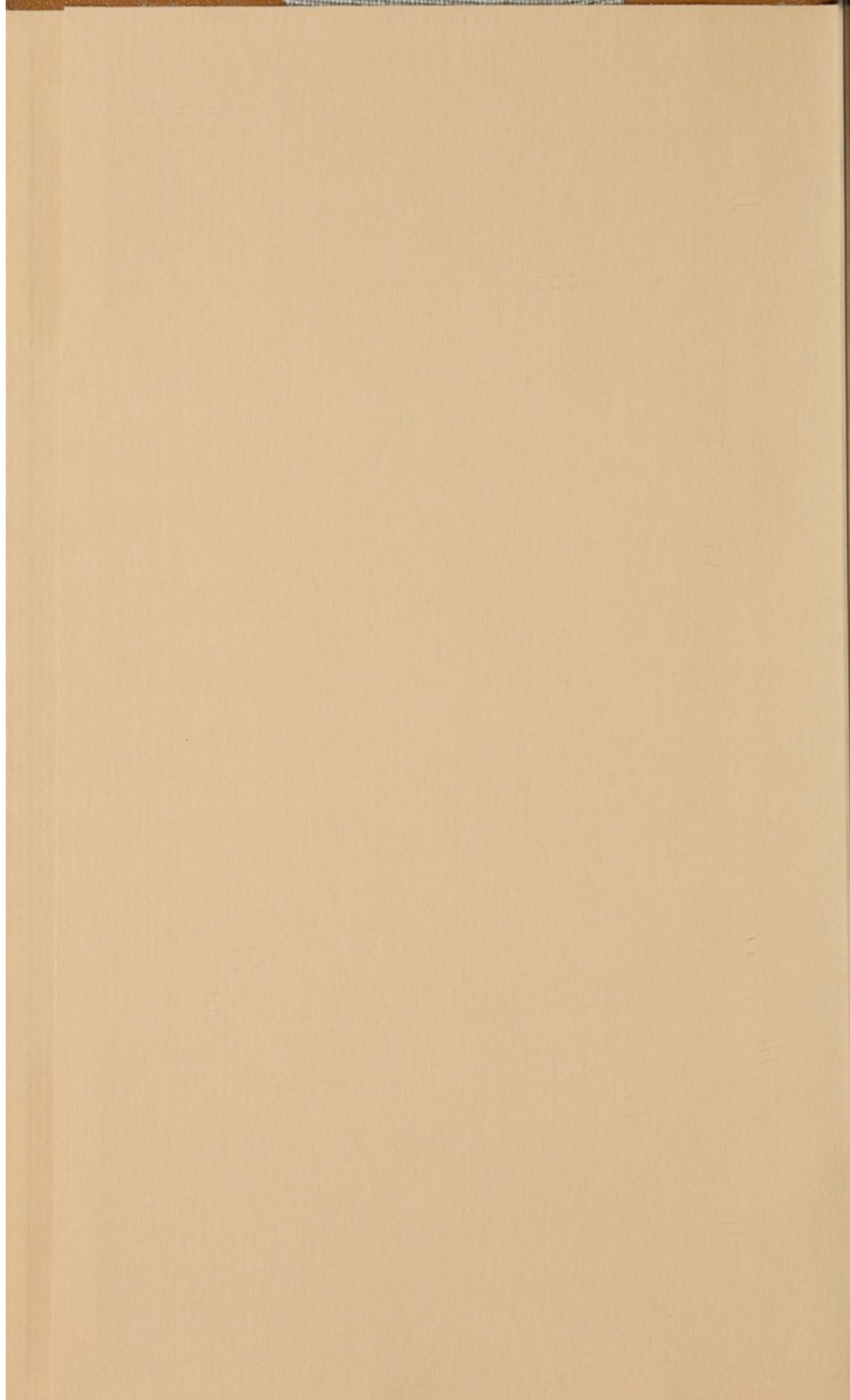




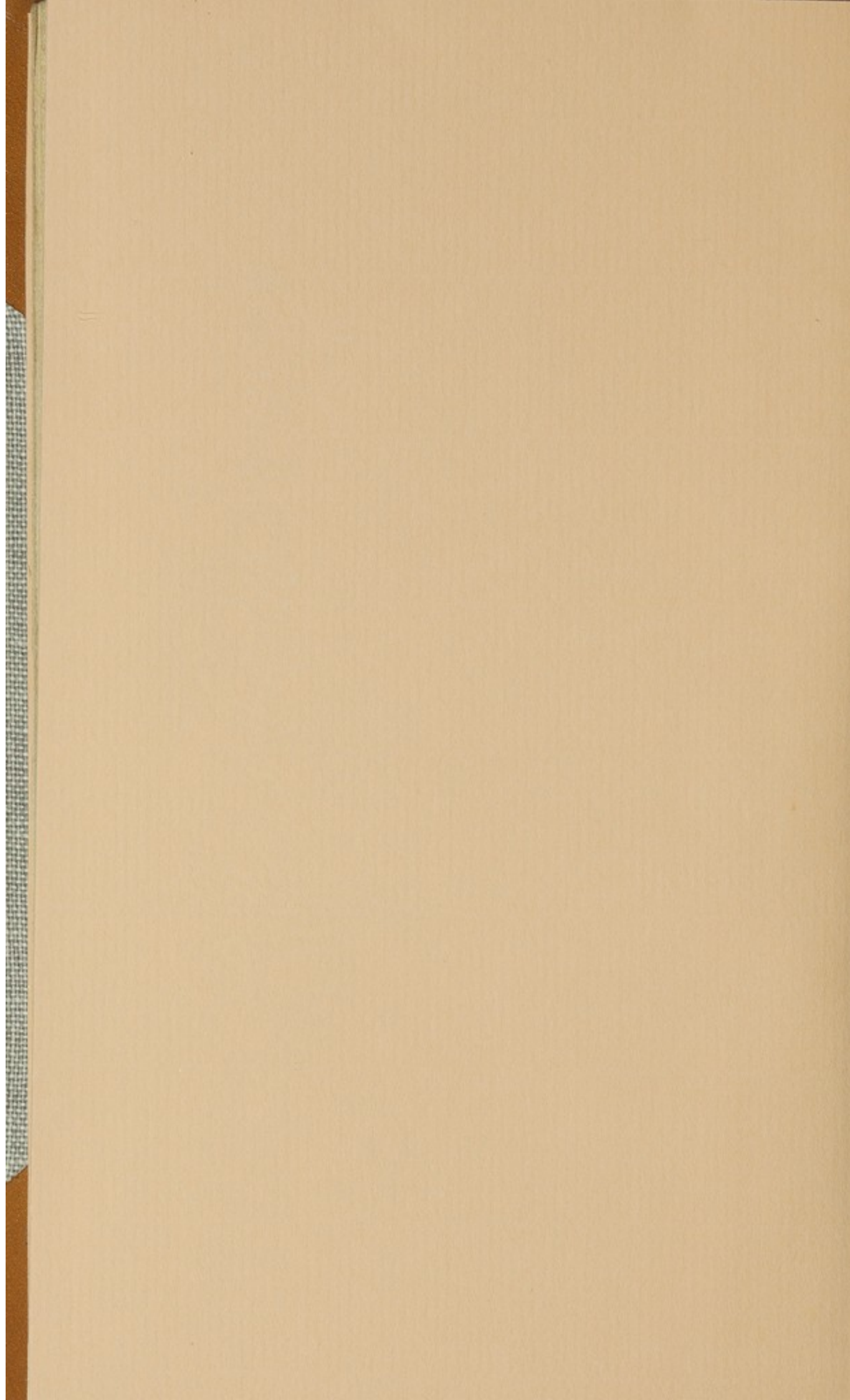




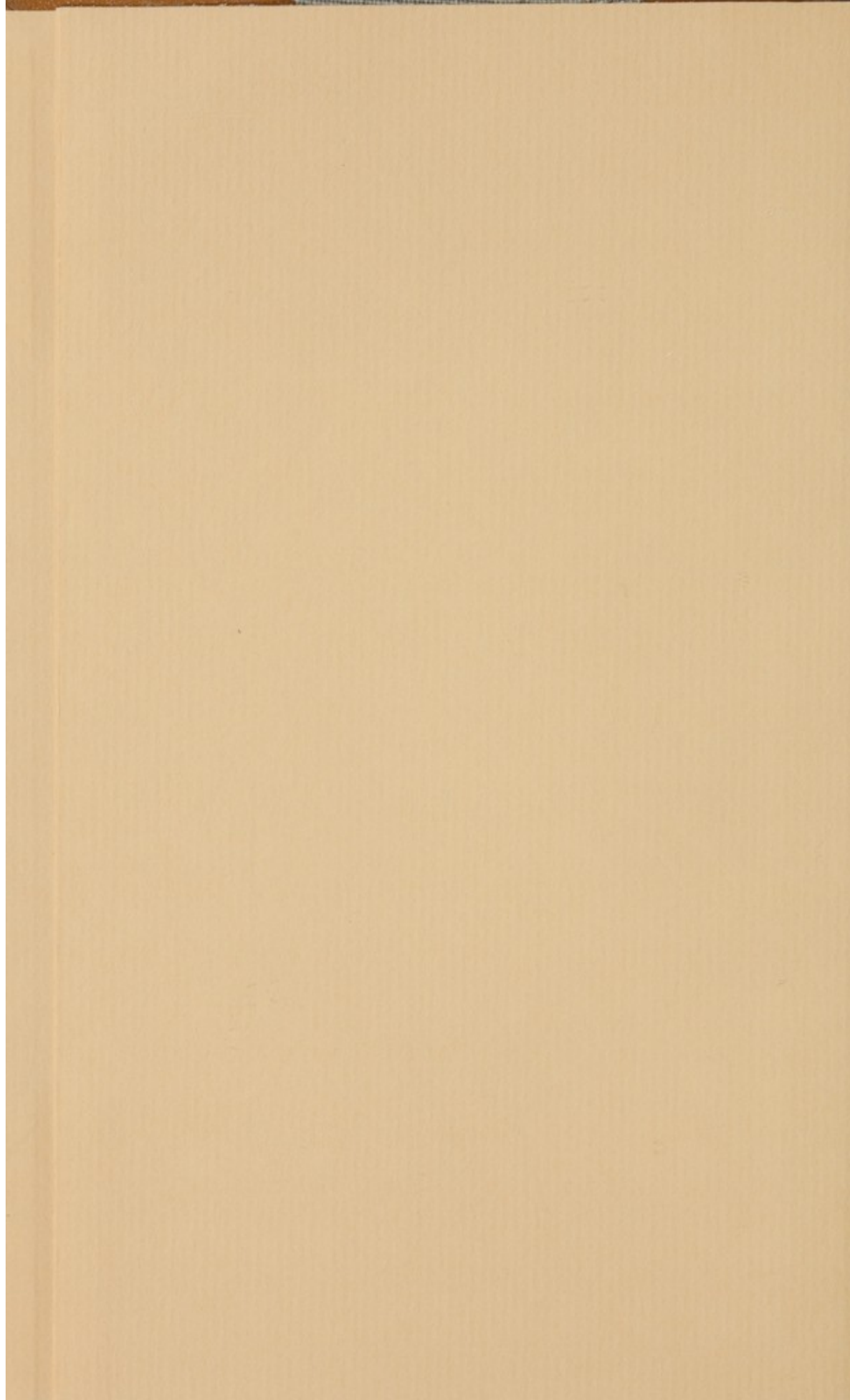






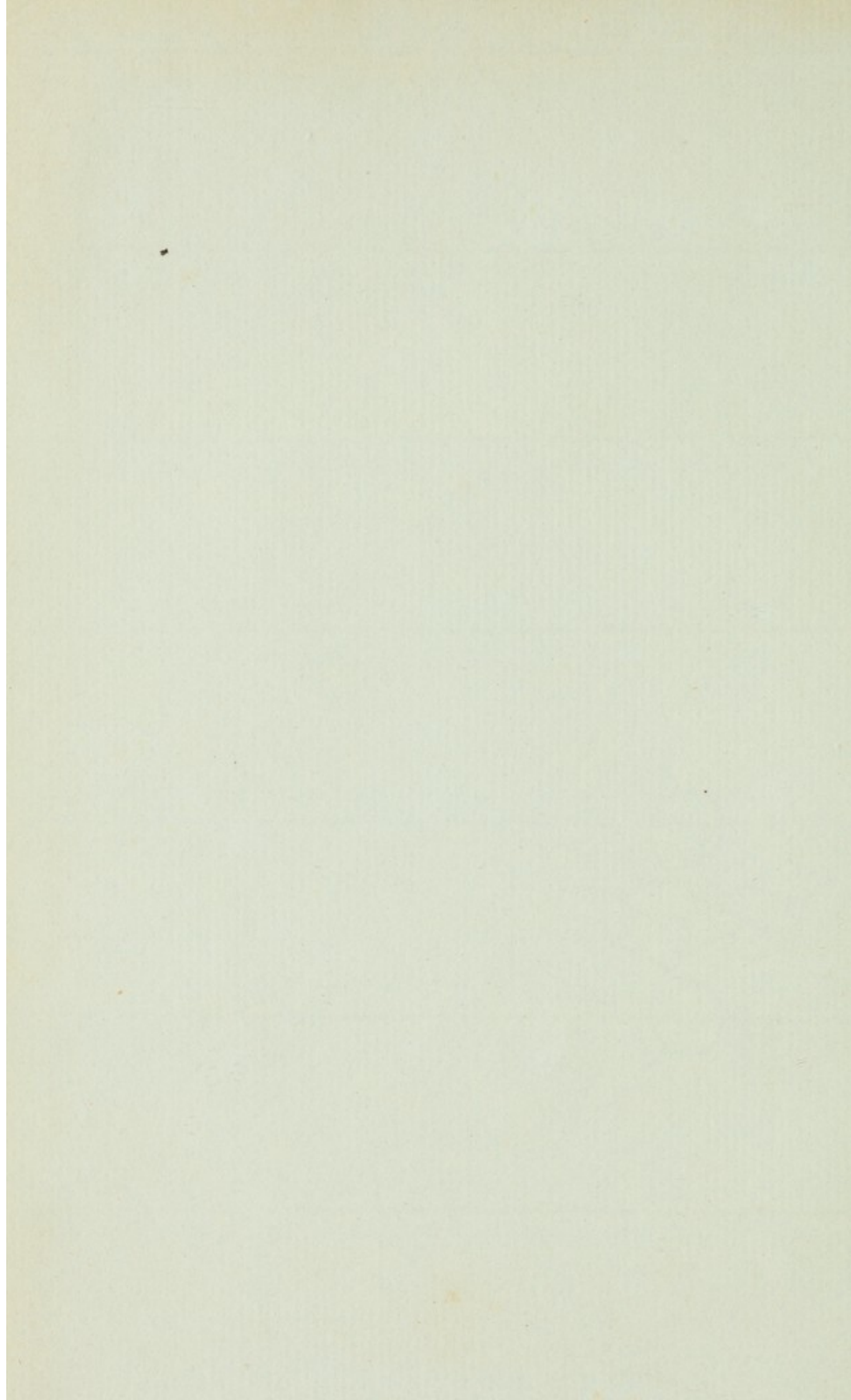












ЛЮБОВЬ И ФОНТИНКА

ПОСЛАНИЕ КЪ



HONORATISSIMO VIRO  
THOMÆ BARONI ERSKINE,  
LEGUM SCIENTIA ET ELOQUENTIA

CLARISSIMO ;

ARTIUM INGENUARUM  
FAUTORI ET PATRONO,

HUNC

*VICESIMUM*  
NATURÆ VIVARII

FASCICULUM

D. D. D.

GEORGIUS SHAW,  
E. NODDER.

TO  
THE RIGHT HONOURABLE  
THOMAS LORD ERSKINE,  
DISTINGUISHED BY  
DEEP KNOWLEDGE AND SPLENDID ELOQUENCE,  
AS WELL AS BY  
GENERAL DEVOTION TO THE  
CAUSE OF LITERATURE AND SCIENCE,  
*THIS TWENTIETH VOLUME*  
OF THE  
NATURALIST'S MISCELLANY  
IS  
RESPECTFULLY INSCRIBED  
BY  
GEORGE SHAW,  
E. NODDER.





# CORVUS CYANEUS.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Rostrum* convexum, cultratum.

*Nares* pennis setaceis recumbentibus obtectæ.

*Lingua* cartilaginea, bifida.

*Pedes* ambulatorii.

*Lin. Syst. Nat.*

## CHARACTER SPECIFICUS, &c.

*Corvus* subviolaceo-cæruleus, subtus pallidus,  
capite nigro, cauda longa cuneata, rectri-  
cibus apice albis.

*Corvus cyaneus.* *C. cinereus*, vertice splendide  
atro, alis caudaque cyaneis, rectricibus  
longissimis, intermediis apice albis.

*Lin. Gmel.*

*Corvus cyaneus.*

*Pall. it 3. p. 694.*

---

Varias Asiæ borealis regiones incolit elegans avis in  
tabula depicta. Ab apice rostri ad extremum caudæ  
quasi pedalis est mensura.



THE  
CYANEAN CROW.

\*\*\*\*\*

*GENERIC CHARACTER.*

*Bill* convex, cultrated.

*Nostrils* covered with recumbent bristly feathers.

*Tongue* cartilaginous.

*Feet* formed for walking.

*SPECIFIC CHARACTER, &c.*

Subviolaceous-blue Crow, pale beneath, with  
black head, and long cuneated tail with  
white tips.

The Cyanean Jay.

The Blue Crow.

---

The elegant bird represented on the present plate, is  
a native of several of the northern regions of Asia.  
Its length is about twelve inches, from the tip of the  
bill to the end of the tail.









# PHALÆNA TYRRHEA.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Antennæ* setaceæ, a basi ad apicem sensim attenuatæ.

*Alæ* (sedentis) sæpius deflexæ. (Volatu nocturno.)

*Lin. Syst. Nat.*

## CHARACTER SPECIFICUS, &c.

Phalæna Tyrrhea. P. alis griseis, strigis albis ocelloque centrali nigro pupilla fenestrata.

*Lin. Gmel. p. 2407.*

Phalæna Tyrrhea.

*Cram. 4. t. 46. f. A.*

---

Inter hanc et phalænam Europæam, quæ *Junonia* dicitur, summa videtur esse affinitas. Eadem fere est utrisque colorum dispositio. Generatur in variis Africanis regionibus. In tabula nostra ostenditur vera magnitudo.

THE  
AFRICAN PEACOCK-MOTH.

\*\*\*\*\*

GENERIC CHARACTER.

*Antennæ* setaceous, decreasing in size from the base to the point.

*Wings* (when at rest) generally deflected.

*Flight* mostly nocturnal.

SPECIFIC CHARACTER, &c.

Moth with grey wings, with white streaks and a black central spot with transparent pupil.

The Grey African Peacock-Moth.

The Cape Peacock-Moth.

---

This insect, in the general disposition of its colours, is much allied to the European species called *Phalæna Junonia*. It is a native of several parts of Africa, and is represented on the plate in its natural size.









# MYTILUS MARGARITIFER.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Animal* Ascidia?

*Testa* bivalvis, rudis, sæpius affixa bysso, ut plurimum crassiori.

*Cardo* (in plurimis) edentulus, distinctus, (paucis exceptis) linea subulata excavata longitudinali.

*Lin. Gmel.*

## CHARACTER SPECIFICUS, &c.

*Mytilus* testa plana suborbiculata, extus lamellis fusco-virentibus imbricata, intus argenteo-iricolore.

*Mytilus margaritiferus.* M. testa compresso-plana suborbiculata, basi transversa, imbricata tunicis dentatis.

*Lin. Syst. Nat.*

*Concha* margaritifera.

*Imperati Nat.* p. 905.

*Matrix* perlarum.

*Rumph. mus.* t. 47. f. F.

*List. conch.* t. 223. f. 57.

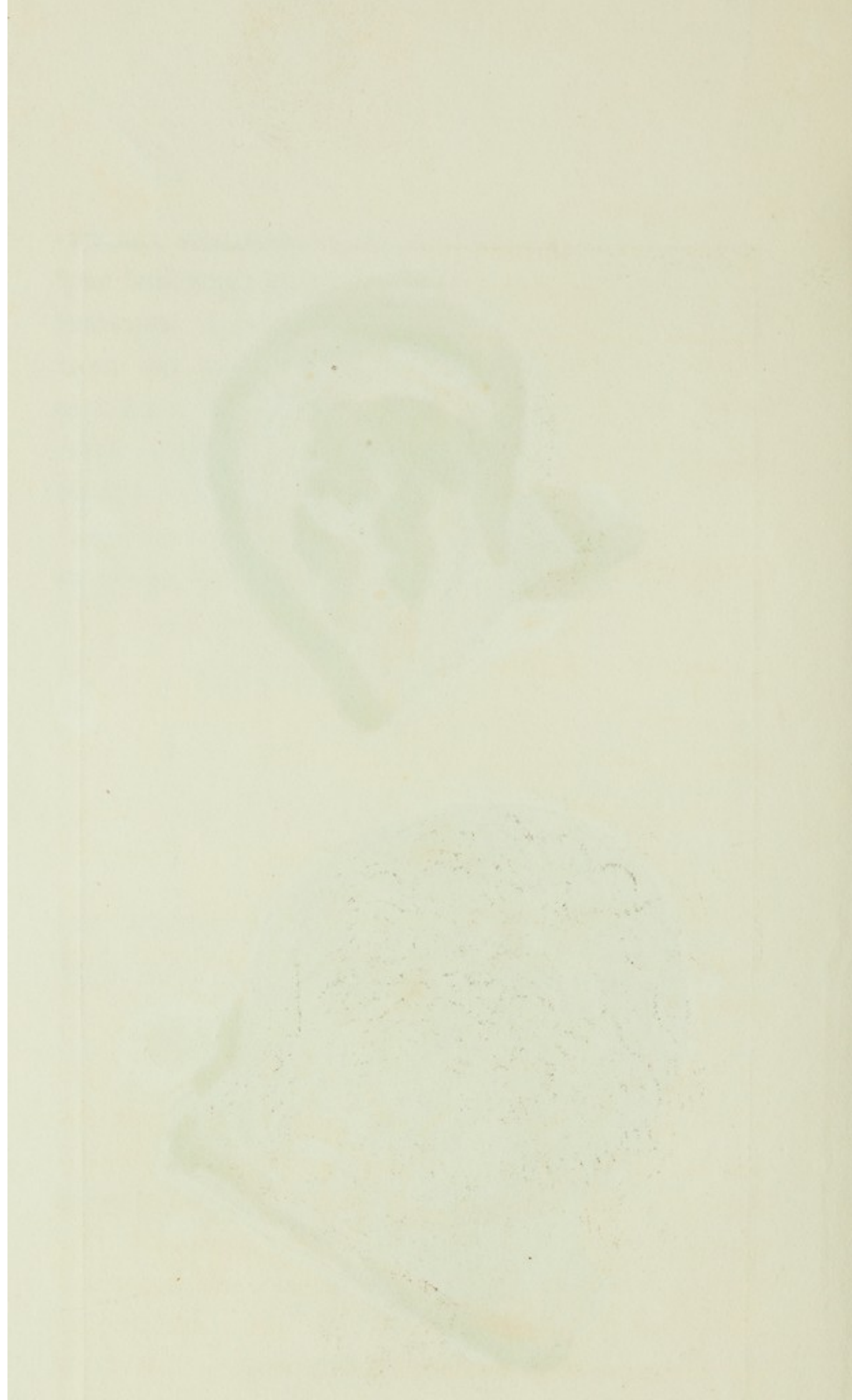
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Concham depinximus qua nulla est in genere testaceo celebratior: quippe cum careat externa venustate, splendet intus summopere argentea, pro variata luce



iricolor. Crassa quoque est, et cum artificiose divisa et polita fuerit, redigitur in substantiam, quæ bacca conchæ, seu vulgariter et minus latine dicitur *mater perlarum*. Ex hac etiam excerpuntur pulcherrimi isti globuli qui emphatice appellantur *perlæ*; quique reperiuntur varia magnitudine, alias inclusi in corpore animalis testam incolentis; alias in testa, liberi tamen et nullis impedimentis inhibiti; alias internæ ejus superficiei leviter adhærentes. Ea interdum est magnitudine *Mytilus margaritifer*, ut æquet diametros decem vel etiam duodecim uncias. Varia incolit litora marium Indicorum et Americanorum; nullibi tamen major et venustior generatur quam in insula quæ hodie dicitur *Ceylon*; cujus in sinibus jamdiu institutum est grande et lucrosum perlarum commercium.









THE  
PEARL MUSCLE.

\*\*\*\*\*

GENERIC CHARACTER.

*Animal* allied to an Ascidia.

*Shell* bivalve, in some species fastened by a kind of silk or byssus.

*Hinge*, in most species, without tooth.

SPECIFIC CHARACTER, &c.

Muscle with flat suborbicular shell, externally imbricated by greenish-brown laminæ, internally silvery-iridescent.

The Pearl-Muscle.

The Nacre-Shell.

The Mother of Pearl Shell.

*Bonanni*, pl. 1.

*Gualtieri*, pl. 84.

*Argenville*, pl. 23. f. A.

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The shell represented on the present plate may be considered as the most celebrated of the whole testaceous tribe. It is not distinguished by any attractive external appearance, but is internally of the most splendid silver-colour, accompanied with iridescent variegations. It is of very considerable thickness, and, when properly cut and polished, constitutes the ele-



gant substance commonly known by the name of *mother of pearl*. It is in this shell also that the highly beautiful and valuable substances properly and emphatically termed Pearls are produced. They are found of various sizes, sometimes imbedded in the body of the inhabiting animal, sometimes loose in the shell, and sometimes slightly attached or connected to its internal surface. The pearl shell arrives at a very large size, often measuring ten or twelve inches in diameter, and is found about various coasts of the Indian and American seas : the most valuable of all, however, are said to be those of the island of Ceylon, in some of the bays of which the largest and most important pearl fisheries have long been established.

# TETRODON LINEATUS.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Maxillæ* osseæ, apice divisæ.

*Corpus* subtus muricatum.

*Pinnæ ventrales* nullæ.

## CHARACTER SPECIFICUS, &c.

*Tetrodon lineatus.* T. abdomine fasciis longitudinalibus fuscis variato.

*Gen. Zool.* 5. p. 442.

*Tetrodon lineatus.* T. fasciis longitudinalibus fuscis pallidisque.

*Lin. Syst. Nat.*

*Tetrodon ventre prominente, fronte elevata.*

*Bloch. ichth.* t. 141.

---

Generatur in mari Mediterraneo *Tetrodon lineatus*; interdum etiam, ut fertur, in Nilo flumine. Hoc ei commune est cum multis congeneribus, ut cutem abdominis ad libitum possit inflare; quæ parvulis aculeis obsita temere arripientium manus pungendo non leviter stimulare et irritare dicitur. Crescit in longitudinem octo seu decem unciarum.











THE  
LINEATED TETRODON.

\*\*\*\*\*

GENERIC CHARACTER.

*Jaws* bony, divided at the tip.

*Body* roughened beneath.

*Ventral fins* wanting.

SPECIFIC CHARACTER, &c.

Tetrodon with the abdomen variegated by longitudinal brown bands.

*Gen. Zool.* 5. p. 442.

Der gestreifte Stachelbanché.

*Bloch.* pl. 141.

The striped Globe-Fish.

---

This fish, which is a native of the Mediterranean sea, is also said to be sometimes found in the river Nile. Like many others of its genus, it has a power of inflating at pleasure the skin of its body, and being covered on the abdomen with numerous small spines, is said to inflict considerable pain on the hands of those who incautiously seize it. It arrives at the length of eight or ten inches.





# GALBULA JACAMACIRI.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Rostrum* rectum, longum, quadrangulare, acutum.

*Lingua* brevis, acuta.

*Pedes* scansorii.

## CHARACTER SPECIFICUS, &c.

*Galbula* cupreo-viridis, subtus ferruginea, capite caudaque viridibus.

*Galbula* grandis. *G.* cupreo-aurea, subtus tota ferruginea, capite artubusque viridi-aureis, cauda cuneiformi corpore longiore.

*Lath. ind. orn. Pall. Spic.*

*Zool.* 6. p. 10.

*Alcedo* grandis.

*Lin. Syst. Nat. Gmel.*

---

Elegantem hanc avem primus descripsit celeberrimus Pallas, magnitudine fere parem pico communi viridi; eodem quasi modulo formatam quo *Apiaster*. Color ferrugineo-viret, non sine cupreo quodam seu aurato splendore. Remiges primores fusci. Cauda viridis. Brasiliensis esse creditur.



# GALBULA JACAMACI

CHARACTERISTICS

CHARACTERISTICS

Color: ...

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CHARACTERISTICS

Color: ...

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Color: ...

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THE  
GREAT JACAMAR.

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GENERIC CHARACTER.

*Bill* strait, long, quadrangular, sharp-pointed.

*Tongue* short, sharp.

*Feet* scansorial.

SPECIFIC CHARACTER, &c.

Copper-green Jacamar, ferruginous beneath,  
with green head and tail.

Great Jacamar.

*Lath. syn.* p. 605.

Le Jacammaciri.

*Viellot. ois. dor.*

---

This elegant bird was first described by Dr. Pallas. Its size is nearly that of the common green Woodpecker, and its shape that of the *Merops Apiaster* or Bee-Eater. Its colour is ferruginous, with a cast of green, and accompanied by a golden or coppery lustre: the larger wing-feathers are brown, and the tail green. It is supposed to be a native of Brasil.



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# SPARUS ERYTHRINUS.

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## CHARACTER GENERICUS.

*Dentes* validi: Primores in aliis ordine simplici, in aliis duplici, triplici, vel quadruplici dispositi.

*Molares* (plerisque) validi, convexi, læves, in series dispositi, et quasi pavementum in ore efformantes.

*Labia* crassa: Opercula mutica, squamosa.

## CHARACTER SPECIFICUS, &c.

*Sparus roseus*, abdomine argenteo.

*Sparus Erythrenus*. S. cauda subintegra, corpore rubro.

*Lin. Syst. Nat.* p. 469.

*Sparus spinis* dorsalibus duodecim, ordine dentium maxillarum duplici.

*Bloch.* 8. t. 274.

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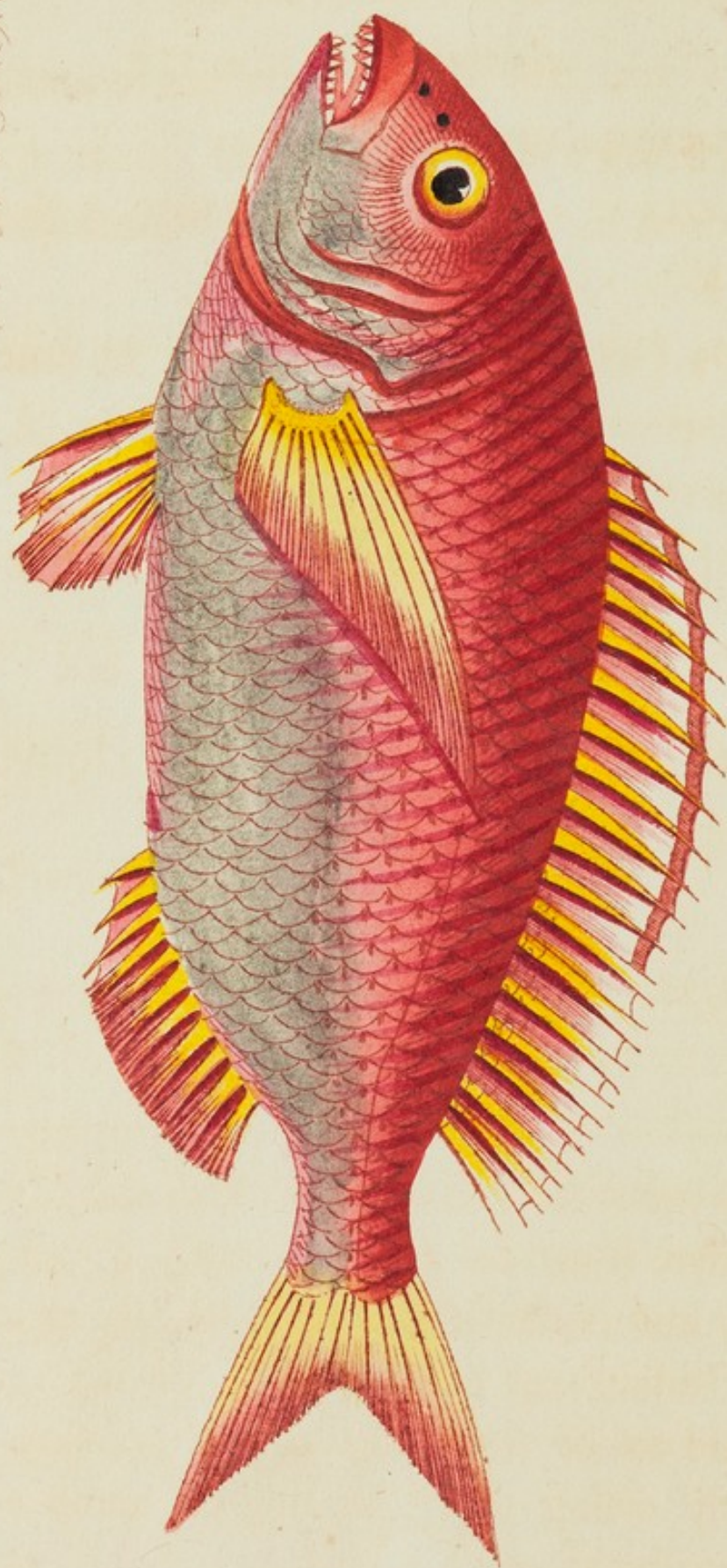
Longus, ut plurimum, est *Sparus Erythrinus* decem seu duodecim uncias. E mari mediterraneo extractus in cibis habetur delicatioribus: sin autem (quod sæpe fit) aluerint eum maria Indica, noxius et insalubris esse dicitur. Verisimile est oriri posse nocendi vim a comesa quadam acri marina substantia.













THE  
ROSE SPARUS.

\*\*\*\*\*

GENERIC CHARACTER.

*Teeth* strong: Front-teeth in some species disposed in a single row, in others in a double, treble, or quadruple row.

*Grinders* (in most species) convex, smooth, and disposed in ranges, forming a kind of pavement in the mouth.

*Lips* thick: *Gill-covers* unarmed, smooth, scaly.

SPECIFIC CHARACTER, &c.

Rose-red Sparus, with silvery abdomen.  
Le Pagel.

*Bonnaterre Encycl. Ichthyol.*  
t. 49.

Die Rothschuppe.

*Bloch. ichth.* pl. 274.

---

This beautiful fish is a native of the Mediterranean sea, where it arrives at the length of ten or twelve inches, and is considered as a delicate article of food. In the Indian seas however, where it is likewise found, it is said to be sometimes highly noxious. This is probably owing to its feeding on some acrimonious marine substances.





# GRYLLUS PUPUS.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Caput* inflexum, maxillosum, palpis instructum.

*Antennæ* setaceæ seu filiformes.

*Alæ* quatuor, deflexæ, convolutæ; inferiores plicatæ.

*Pedes* postici saltatorii. *Ungues* ubique bini.

*Lin. Syst. Nat.* p. 692.

## CHARACTER SPECIFICUS, &c.

*Gryllus apterus fusco-flavescens*, corpore crasso, thorace spinoso.

*Gryllus Pupus*. *G. apterus*, thorace spinoso, femoribus punctatis.

*Lin. Syst. Nat.*

*Locusta aptera*, thorace spinoso, abdomine tuberculis conicis spinosis.

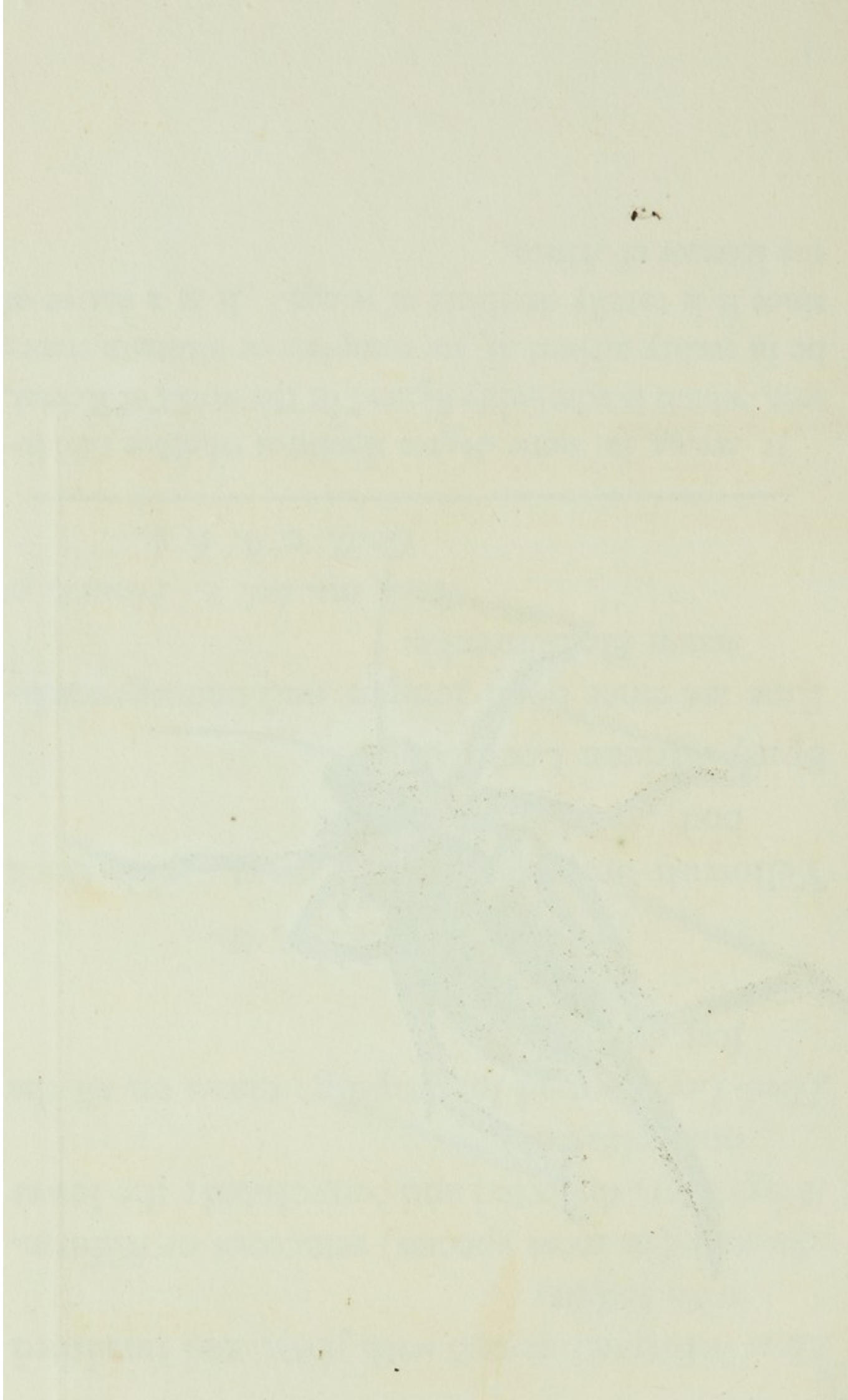
*Degeer* 3. p. 453. pl. 39. f. 5.

---

Præclare exprimitur hoc insectum in operibus Roeselii. Cum tamen nulla sint alarum vestigia, dubitari forsan possit annon ad ætatem pervenerit plenam et adultam. Generatur in Africæ regionibus interioribus.









~~835~~  
835



*N. Nodder Del. et Sculp.*

THE  
PUPAL LOCUST.

\*\*\*\*\*

GENERIC CHARACTER.

*Head* inflected, armed with jaws, and furnished with feelers.

*Antennæ* (in most species) setaceous or filiform.

*Wings* four, deflected and convoluted; the lower ones pleated.

*Hind-Legs* formed for leaping: claws on all the feet double.

SPECIFIC CHARACTER, &c.

Yellowish-brown apterous Locust, with thick body, and spiny thorax.

Spiny African Locust.

Eine art einer noch jungen und unausgewachsenen Heuschrecke.

*Roes. ins. bel. 2. Heusck. et  
Grill. t. 6. f. 3.*

---

It seems in some degree doubtful whether this insect, which is admirably figured in the works of Roesel, be in reality arrived at its complete or ultimate state; since it is totally destitute of wings. It is a native of the interior of Africa.



THE  
PUPAL LOCUST.

\*\*\*\*\*

GENERIC CHARACTER.

Head retracted, armed with jaws, and furnished  
with feelers.

Antennae (in most species) setaceous or filiform.  
Wings four, deflexed and convoluted; the lower

ones placed  
above the forewings; close on all the  
feet double.

Body of the pupa is  
yellowish-brown, anteriorly darker, with thick  
body, and giving brown.

Spiny anteriorly.  
There are eight pairs of legs, and numerous  
small bristles.

Rev. Mr. J. S. Mearns.  
Gen. &c. &c.

It is seen in some places that the pupa is in  
fact, which is probably the work of the  
pupa, and is in fact, the work of the  
pupa. It is a small, brown, and is a

# VOLUTA ÆTHIOPICA.

Var.

*Marmorata.*

\*\*\*\*\*

## CHARACTER GENERICUS.

*Animal* Limax.

*Testa* unilocularis, spiralis.

*Apertura* ecaudata, subeffusa.

*Columella* plicata.

*Lin. Syst. Nat.*

## CHARACTER SPECIFICUS, &c.

*Voluta Æthiopica.* V. testa emarginata ventricosa, spira coronata spinis fornicatis, apice papillari, columella quadriplicata.

*Lin. Syst. Nat.*

*Var.*

V. flavescens, fasciis anastomozantibus longitudinalibus ferrugineis.

---

In maribus Indicis generatur speciosa hæc *Volutæ Æthiopicæ* varietas, et magnitudine vera in tabula exprimitur.











*AD 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000*

## ETHIOPIC VOLUTE.

*Marbled Variety.*

\*\*\*\*\*

### GENERIC CHARACTER.

*Animal* resembling a Limax or Slug.

*Shell* unilocular, spiral.

*Pillar* twisted, or pleated.

### SPECIFIC CHARACTER, &c.

Emarginated, ventricose Volute, with four-wreathed pillar, and spire crowned with spines.

#### *Var.*

Yellowish Volute, with anastomosing, longitudinal, ferruginous bands.

---

This beautiful variety of the Ethiopic Volute is a native of the Indian seas, and is represented on the plate in its natural size.





# CERTHIA ERYTHROGASTRA.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Rostrum* arcuatum, tenue, acutum.

*Lingua* variis varia.

*Pedes* ambulatorii.

*Cauda* pennis duodecim.

*Lath. ind. orn.*

## CHARACTER SPECIFICUS, &c.

*Certhia* aureo-viridis, alis caudaque fuscis, abdomine rubro, fascia pectorali chalybea.

Le Soui-Manga a ceinture bleue.

*Viellot ois. dor. pl. 10.*

---

In Africa inferiori generatur *Certhia erythrogastra*, *Certhiæ collari* seu *chalybeæ* Linnæi admodum affinis, sed major. In tabula ostenditur vera magnitudo.











THE  
RED-BELLIED CREEPER.

\*\*\*\*\*

GENERIC CHARACTER.

*Bill* bent, slender, sharp-pointed.  
*Tongue* differing in different species.  
*Feet* formed for walking.  
*Tail* consisting of twelve feathers.

SPECIFIC CHARACTER, &c.

Gold-green Creeper, with brown wings and  
tail, red belly, and steel-blue pectoral  
band.

Le Soui-Manga a ceinture bleue.

*Viellot ois. dor. pl. 10.*

---

This species is an inhabitant of the lower parts of  
Africa, and is greatly allied to the collared Creeper or  
*Certhia chalybea* of Linnæus, but is somewhat larger.  
The plate represents it in its natural size.





# CYPRINUS TINCAUREA.

\*\*\*\*\*

## CHARACTER GENERICUS.

Os parvum, edentulum. Dentes gutturales.

*Membr. branch.* triradiata.

*Pinnæ ventrales* sæpius novemradiatæ.

## CHARACTER SPECIFICUS, &c.

Cyprinus Tinca. C. mucosus olivaceo-nigricans, squamis minimis, cauda subintegra.

*Var.?*

Cyprinus Tincaurea. C. mucosus aurantius, nigro maculatus, pinnis rubris pellucidis, cauda subintegra.

*Gen. Zool.* 5. p. 217.

Cyprinus Tinca-Auratus. C. squamis parvis, pinnis transparentibus.

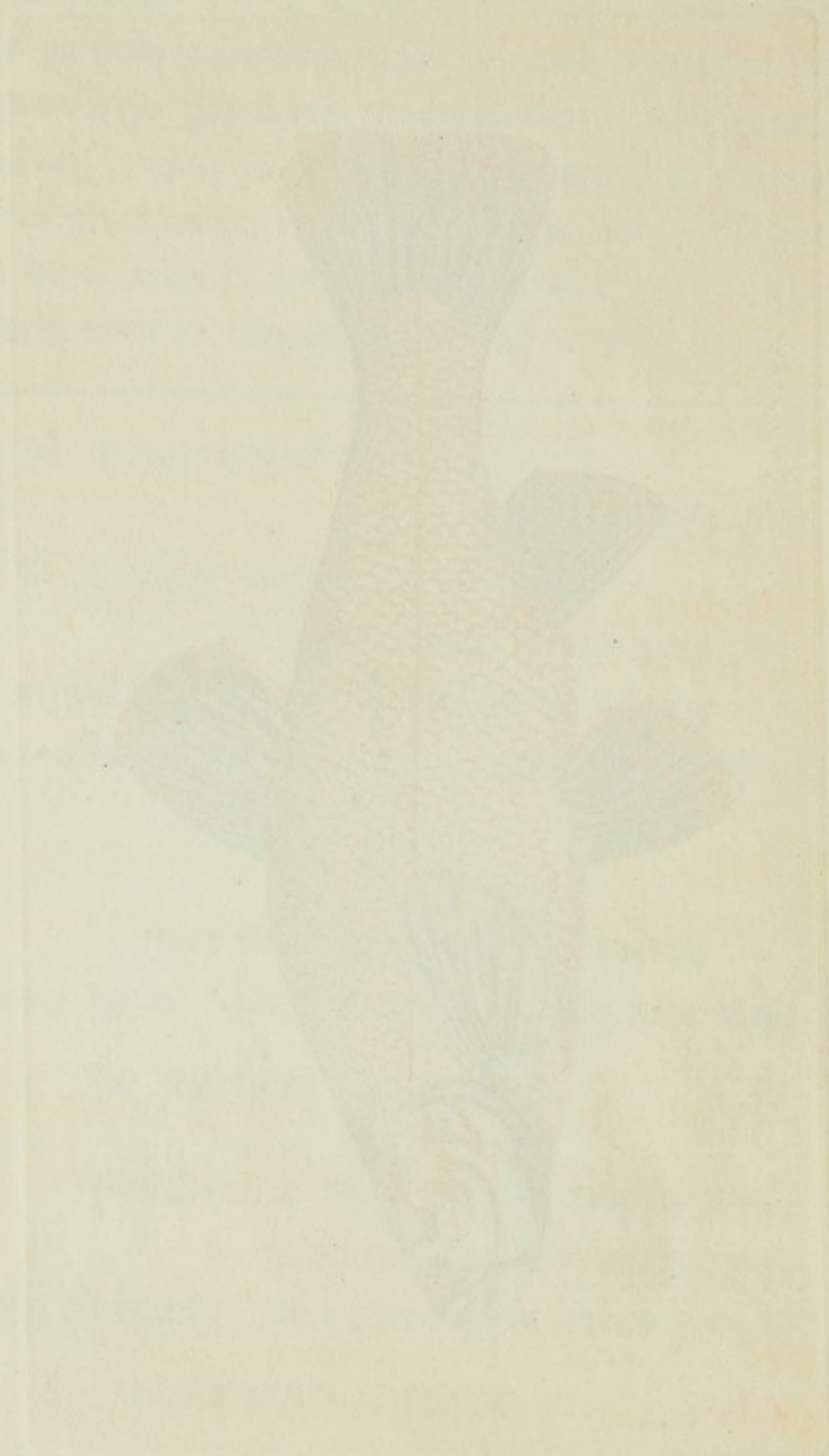
*Bloch. ichth.* 1. p. 74. t. 15.

---

Pulcherrima hæc Cyprini Tincæ varietas, si revera varietas, non per se species habenda sit, apud certas Germanicas regiones alitur in aquis per hortos et vireta ductis ut oculos oblectet prætereuntium. Color splendide aurantio-flavus maculis parvulis nigris aspergitur. Pinnæ tenues, ruberrimæ et quasi pellucidæ. Testatur Blochius generari Cyprinum Tincauream præcipue in Silesia et Bohemia.









235



Wm. Wood. Del. & Sculp.

THE  
GOLDEN TENCH.

\*\*\*\*\*

GENERIC CHARACTER.

*Mouth* small and toothless. Teeth in the throat.

*Gill-Membrane* three-rayed.

*Ventral fins*, in general, nine-rayed.

SPECIFIC CHARACTER, &c.

Mucous, blackish-olive Carp, with very small scales, and nearly-even tail.

*Var.?*

Golden Tench. Mucous, orange-coloured Carp, with black spots, red pellucid fins, and nearly-even tail.

*Gen. Zool.* 5. p. 217.

Der Goldschley.

*Bloch. ichth.* pl. 15.

---

This highly beautiful variety, if such it really be, of the Common Tench, occurs in some parts of Germany, where it is kept as an ornamental fish in the waters of gardens and pleasure-grounds. Its colour is the richest orange-yellow, variegated with small black spots, while the fins are transparent, and of a bright red colour. It is principally found, according to Dr. Bloch, in Silesia and Bohemia.





# PAPILIO AUTOMEDON.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Antennæ* apicem versus crassiores, sæpius clavato-capitatae.

*Alæ* (sedentis) erectæ sursumque conniventes.

Volatus diurnus.

## CHARACTER SPECIFICUS, &c.

Papilio alis angulato-repandis fuscis purpureo-nitentibus, subtus griseo-variis ocello subanali.

Papilio Automedon. P. alis angulato-repandis fuscis subtus lividiusculis, ocello anguli ani.

*Fab. sp. ins.* 2. p. 25.

Automedon.

*Cram. pap.* t. 41. f. A. B.

---

Americam Australem, præcipue Surinamiam incolit  
Papilio Automedon, magnitudine vera in tabula depictus.



# TABULAE AUTOMEDON.

—————

CHARACTERES CERVICIS.

Anterior apicula versus crassior, et plus cla-  
vato-capitata.

Alae (scutellae) circiter sublongiusque com-  
munes.

CHARACTERES BRACHIORUM, &c.

Tabulae alae angulato-repandae facies postica  
reticulata, subtus grosse-variis oculo sub-  
tali.

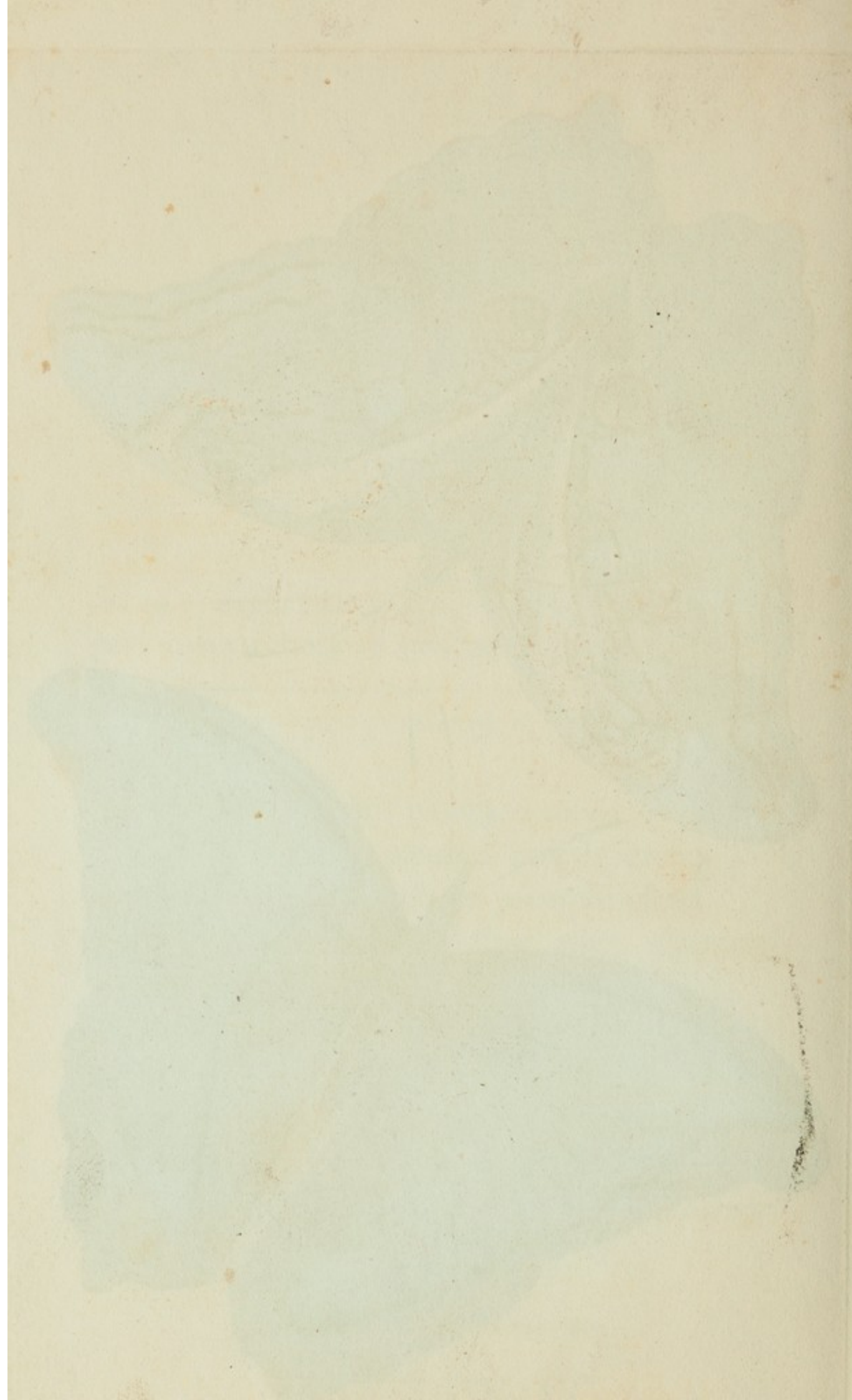
Tabulae Automedon. 1. Alae angulato-repandae  
facies subtus hyalinae, oculo anguli  
ali.

Tab. 4. m. 2. p. 234.

Automedon.

Crem. pap. 1. 41. f. A. B.

Anterior Automedon, brachia sublongius in-  
clina Automedon, brachia sublongius in-  
clina.









# AUTOMEDON.

\*\*\*\*\*

## GENERIC CHARACTER.

*Antennæ* thickening towards the end, and commonly terminating in a clavated tip.

*Wings* (when at rest) meeting upwards.

Flight diurnal.

## SPECIFIC CHARACTER, &c.

Butterfly with angular-repandous, blackish, purple-glossed wings; varied with brown beneath, and marked near the end of the body by an ocellated spot.

Automedon.

*Cramer.* 1. pl. 41. f. A. B.

---

This insect is an inhabitant of South America, and particularly of Surinam, and is represented in its natural size.





# MADREPORA LACTUCA.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Animal* Medusa.

*Corallium* cavitatibus lamelloso-stellatis.

*Lin. Syst. Nat.*

## CHARACTER SPECIFICUS, &c.

Madrepora sessilis, stellis magnis confertis  
frondescentibus ; frondibus laciniosis cris-  
patis.

*Pall. et zooph. p. 289.*

*Lin. Gmel. p. 3758.*

Concha fungiformis.

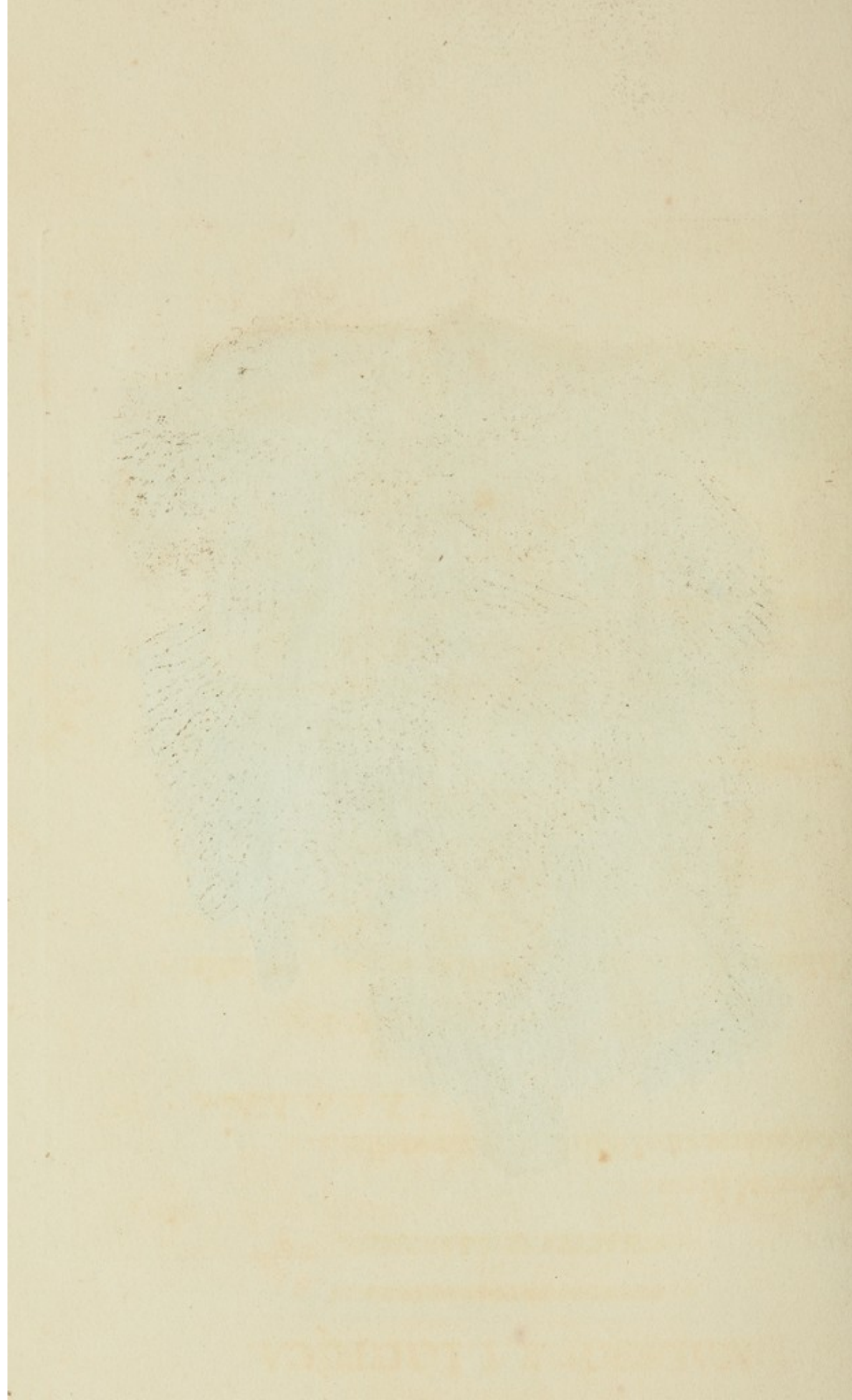
*Seb. mus. 3. t. 89. f. 10.*

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Maria incolit Indica rarum hoc Corallium. In  
Museo Britannico pulchrum asservatur specimen.













THE  
LETTUCE MADREPORE.

\*\*\*\*\*

GENERIC CHARACTER.

*Animal* allied to a Medusa.

*Coral* marked by radiating lamellar cavities.

SPECIFIC CHARACTER, &c.

Sessile Madrepore, with large, crowded, frondescent stars, and laciniated, crisped fronds.

Lettuce Madrepore.

*Soland. et Ellis zooph. p. 158.*

---

The rare Coral here represented is a native of the Indian seas. An elegant specimen is preserved in the British Museum.



THE  
LETTER-MANUSCRIPT

CHAPTER I

GENERAL CHARACTER

was added to a MS. of the  
marked by regularity in the

CHAPTER II

the MS. report, which is, however, not  
described as such, and is, in fact, a  
fragment of a larger work.

MS. A. 1. 1. 1.

MS. A. 1. 1. 1.

the MS. A. 1. 1. 1. is a MS. of the  
MS. A. 1. 1. 1. is a MS. of the  
MS. A. 1. 1. 1. is a MS. of the

OB incuriam in disponendis tabulis depictus est nuper in opusculo hoc nostro Gryllus Elephas vice Grylli Pupi Linnæi. Monendus est igitur amicus lector ut icones insectorum aptet descriptionibus.



By an oversight in the insertion of the plates in a preceding Number of this Publication, a figure of the Gryllus Elephas of Linnæus is given instead of the Gryllus Pupus. The reader is therefore requested to transpose the plates of those insects, so as to accompany their respective descriptions.



On account of the...  
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## PIPRA MUSICA.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Rostrum* capite brevius, basi subtrigonum, integerrimum, apice incurvum.

*Pedes* gressorii.

*Lin. Syst. Nat.* p. 338.

### CHARACTER SPECIFICUS, &c.

Pipra violaceo-nigra, vertice colloque superiore cæruleis, pectore abdomine crisso uropygioque flavissimis.

Pipra musica. P. nigra, subtus aurantia, fronte uropygioque flavis, vertice nuchaque cæruleis, mento gulaque nigris.

*Lin. Syst. Nat. Gmel.* p. 1004.

Pipra musica. P. nigricans, corpore subtus uropygioque fulvis, gutture genisque nigris, vertice nuchaque cæruleis, fronte flava.

*Lath. ind. orn.* p. 562.

---

Perelegantis aviculæ in Cayenna et aliis Americæ australis regionibus generatæ veram magnitudinem cernere est in tabula. Plumis vestitur pulcherrimis : tantaque est ei vocis suavitas, ut ipsi lusciniæ cantu par, si non melior, habeatur. Amat præcipue intimos sylvarum recessus.



# PIPERA MUSICA

\*\*\*\*\*

CHARACTERES CANALICULI

Plantae estis brevis, sed sublimis, in-

regitudo, apice latior.

Plantae musici.

Plantae musici.

Plantae musici.

Plantae violaceae, in fructu colore rubro

carminis, pediculis albis, et

globo flavo.

Plantae musici. P. nigra, sedus nuda, et

propagulae flavae, et aliae nuda

et aliae, in fructu rubro.

Plantae musici. P. nigra, et

Plantae musici. P. nigra, et

Plantae musici. P. nigra, et

Plantae musici. P. nigra, et

flava.

Plantae musici.

Plantae musici. P. nigra, et

Plantae musici. P. nigra, et

Plantae musici. P. nigra, et

Plantae musici. P. nigra, et

Plantae musici. P. nigra, et

Plantae musici. P. nigra, et







R. D. Nodder, Del. S. Culp.

THE  
MUSICAL MANAKIN.

\*\*\*\*\*

GENERIC CHARACTER.

*Bill* shorter than the head, somewhat triangular at the base, and bent at the tip.

*Feet* formed for walking.

SPECIFIC CHARACTER, &c.

Violet-black Manakin, with the crown of the head and upper part of the neck blue, the breast, belly, rump and vent gold-yellow.

L'Organiste.

*Buff. ois.* 4. p. 290.

L'Organiste de St. Domingue.

*Pl. Enl.* 809.

---

This most elegant little bird, which the plate represents in its natural size, is a native of Cayenne and other parts of South America, and is said to be as remarkable for the melody of its song as the beauty of its plumage, equalling, or even, according to some describers, surpassing the nightingale. It is said chiefly to frequent the deep recesses of woods.





## SPARUS MACROPHTHALMUS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Dentes* validi : Primores in aliis ordine simplici, in aliis duplici, triplici, vel quadruplici dispositi.

*Molares* (plerisque) validi, convexi, læves, in series dispositi, et quasi pavementum in ore efformantes.

*Labia* crassa : Opercula mutica, squamosa.

### CHARACTER SPECIFICUS, &c.

*Sparus* flavescens, roseo longitudinaliter striatus, oculis magnis, dentibus caninis quatuor in maxilla superiore.

*Sparus macrophthalmus*. S. oculis magnis, dentibus quatuor caninis in maxilla superiore.

*Bloch. ichth.* 8. t. 272.

---

Maria incolit Indica *Sparus macrophthalmus*, magnitudine quasi *Percæ vulgaris Europææ* sive *fluviatilis Linnæi*.



# SPARUS MACROPHthalmus

Linnaeus, Systema Naturae, 1759

Character Generis

Dentes validi: Primum in alio ordine simpliciter  
in alio duplici, triplici vel quadrupli  
dispositi.

Males (plerique) alibi caninis, haec in  
series dispositi, et quae in dentium in  
ore efformantur.

Labi crassi: Operculis nuda, operculis.

Character Speciei

Sparus flavescens, rostro longior, operculis  
tus, oculis magnis, dentibus caninis  
tus in maxilla superiore.

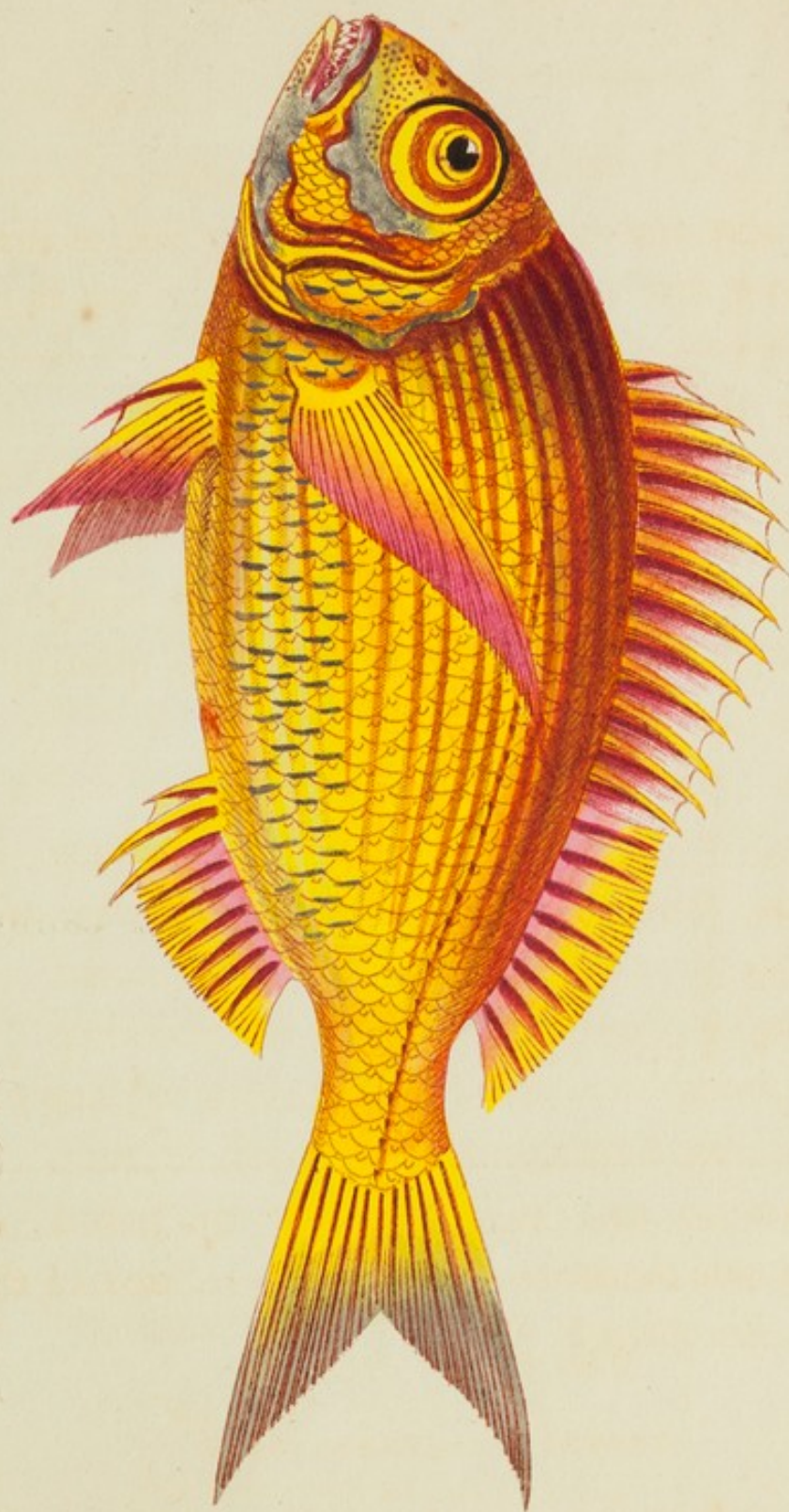
Sparus macrophthalmus. 3. oculis magnis, can-  
tibus parvis caninis in maxilla superiore.  
Fisch. wall. 8. n. 324.

---

Mais inquit Index Sparus macrophthalmus, 1759  
notandum quia Porce vulgaris Europaei hinc foveat  
Linnaei.







THE  
GREAT-EYED SPARUS.

\*\*\*\*\*

GENERIC CHARACTER.

*Teeth* strong: Front-Teeth in some species disposed in a single row, in others in a double, treble, or quadruple row.

*Grinders* (in most species) convex, smooth, and disposed in ranges, forming a kind of pavement in the mouth.

*Lips* thick: Gill-Covers unarmed, smooth, scaly.

SPECIFIC CHARACTER, &c.

Yellowish Sparus, with rose-coloured longitudinal streaks, large eyes, and four canine teeth in the upper jaw.

Great-Eyed Sparus.

*Gen. Zool.* 4. p. 407.

---

The fish represented on the present plate is an inhabitant of the Indian seas, and is of the size of the common European Perch.



THE  
GREAT-EYED SPARUS.

CHARACTERISTICS.

GENERAL CHARACTER.

Teeth strong: Front-teeth in some species disposed in a single row, in others in a double, triple, or quadruple row.  
Gape (in most species) convex, smooth, and disposed in ranges, forming a kind of pavement to the mouth.  
Lips thick: Gill-Covers unjointed, smooth, scaly.

EXTERNAL CHARACTER.

Yellowish spotted, with rose-colored longitudinal streaks, large eyes, and four canine teeth in the upper jaw.

Great-Eyed Sparus.

Great-Eyed Sparus.

The fish is presented on the plate is an inhabitant of the Indian seas, and is of the size of the common European Lurch.

## GRYLLUS ELEPHAS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Caput* inflexum, maxillosum, palpis instructum.

*Antennæ* setaceæ seu filiformes.

*Alæ* quatuor, deflexæ, convolutæ; inferiores plicatæ.

*Pedes* postici saltatorii. Ungues ubique bini.

*Lin. Syst. Nat.* p. 692.

### CHARACTER SPECIFICUS, &c.

*Gryllus virescens apterus*, fusco rufoque nebulosus, corpore supra spinoso-muricato.

*Gryllus Elephas*. *G.* thorace carinato integro, corpore aptero.

*Lin. Syst. Nat.* p. 699.

*Roes. Locust.* t. 6. f. 2.

---

Caret alis hæc species; id quod et *Gryllo Pupo* accidit, qui iisdem in regionibus generatur, nempe in interiori Africa. Color est olivaceo-viridis, rubro hinc inde aspersus. Ostendit tabula veram insecti magnitudinem.



# GRYLUS ELAPHUS.

=====

## CHARACTER SPECIFICUS.

Caput inflexum, maxillosum, palpis instructum.

Antennae setaceae seu filiformes.

Alae parvae, deflexae, convolutae; inferiores plicatae.

Pedes postici saltatorii. Ungues bipinnes bini.

Lin. Syst. Nat. p. 692.

## CHARACTER SPECIFICUS, &c.

Gryllus vivens apertus, fusco rubrone nebulosus, corpore supra spinoso-tuberculato.

Gryllus Elaphus. G. thorace carinato integro, corpore aperto.

Lin. Syst. Nat. p. 690.

Nat. Locust. t. 1. p. 1.

---

Cum haec species in quibusdam et G. 2. f. 2. et G. 3. f. 2. in quibusdam regionibus generantur, neque in ista Africa. Color est olivaceo ruber, rubro hinc inde aspersus. Ostendit similitudinem insecti magnitudinem.





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*Chorthippus*

THE  
ELEPHANT LOCUST.

\*\*\*\*\*

GENERIC CHARACTER.

*Head* inflected, armed with jaws, and furnished with feelers.

*Antennæ* (in most species) setaceous or filiform.

*Wings* four, deflected and convoluted; the lower ones pleated.

*Hind-Legs* formed for leaping: claws on all the feet two.

SPECIFIC CHARACTER, &c.

Greenish apterous Locust, clouded with brown and rufous; the body roughened above with spiny processes.

Variegated wingless Locust.

Rough-bodied African Locust.

---

This species, like the *Gryllus Pupus*, is remarkable for the want of wings. Like that insect also it is a native of the interior parts of Africa. Its colour is olive-green, tinged in some parts with red. It is represented on the plate in its natural size.



# ELIPHANT LOCUST.

\*\*\*\*\*

## GENERIC CHARACTER.

Head beak-like, armed with jaws, and furnished with feelers.

Antennae (in most species) setaceous or filiform. Wings four, distinct and separated; the lower ones pleural.

Thorax formed for leaping: claws on all the feet.

## GENERIC CHARACTER.

Greenish spotted locust, clothed with brown and rufous; the body prolonged above with spiny processes.

Variety wingless locust.

Rough-haired African locust.

The species, like the Gryllus, is a leaper, able for the most part to leap like the grasshopper. It is a native of the Indian Archipelago. It is a common insect in a large part of India. It is represented on the plate as a common insect.

# PAPILIO GALANTHIS

ET

## PAPILIO MAJA.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Antennæ* apicem versus crassiores, sæpius clavato-capitatae.

*Alæ* (sedentis) erectæ sursumque conniventes, (volatu diurno).

*Lin. Syst. Nat.* p. 744.

### CHARACTER SPECIFICUS, &c.

P. GALANTHIS. P. alis integerrimis phoeniceis, fascia media margineque nigris.

P. Galanthis.

*Cram. t. 25. f. D. E.*

*Alæ subtus rubentes, fasciis lividis.*

P. MAJA. P. alis denticulatis fusco-aurantiis nigro maculatis, inferioribus subtus virescentibus fascia marginali duplici alba.

P. Maja.

*Cram. t. 25. f. B. C.*

*Affinis Papilioni Paphiæ.*

---

Ostenditur in tabula papilionum duorum vera magnitudo, quorum qui altius depingitur Surinamiam, qui inferius Greciam incolit.



# GALANTHIS

AND

# MAJA.

\*\*\*\*\*

## GENERIC CHARACTER.

*Antennæ* commonly thickening towards the end into a clavated tip.

*Wings* (when at rest) meeting upwards. Flight diurnal.

## SPECIFIC CHARACTER, &c.

GALANTHIS. Butterfly with entire crimson wings with a middle and marginal black band.

*The under surface is reddish with livid bars.*

MAJA. Butterfly with denticulated dusky-orange wings spotted with black, the lower pair greenish beneath and marked by a double marginal white band.

*Allied to Papilio Paphia.*

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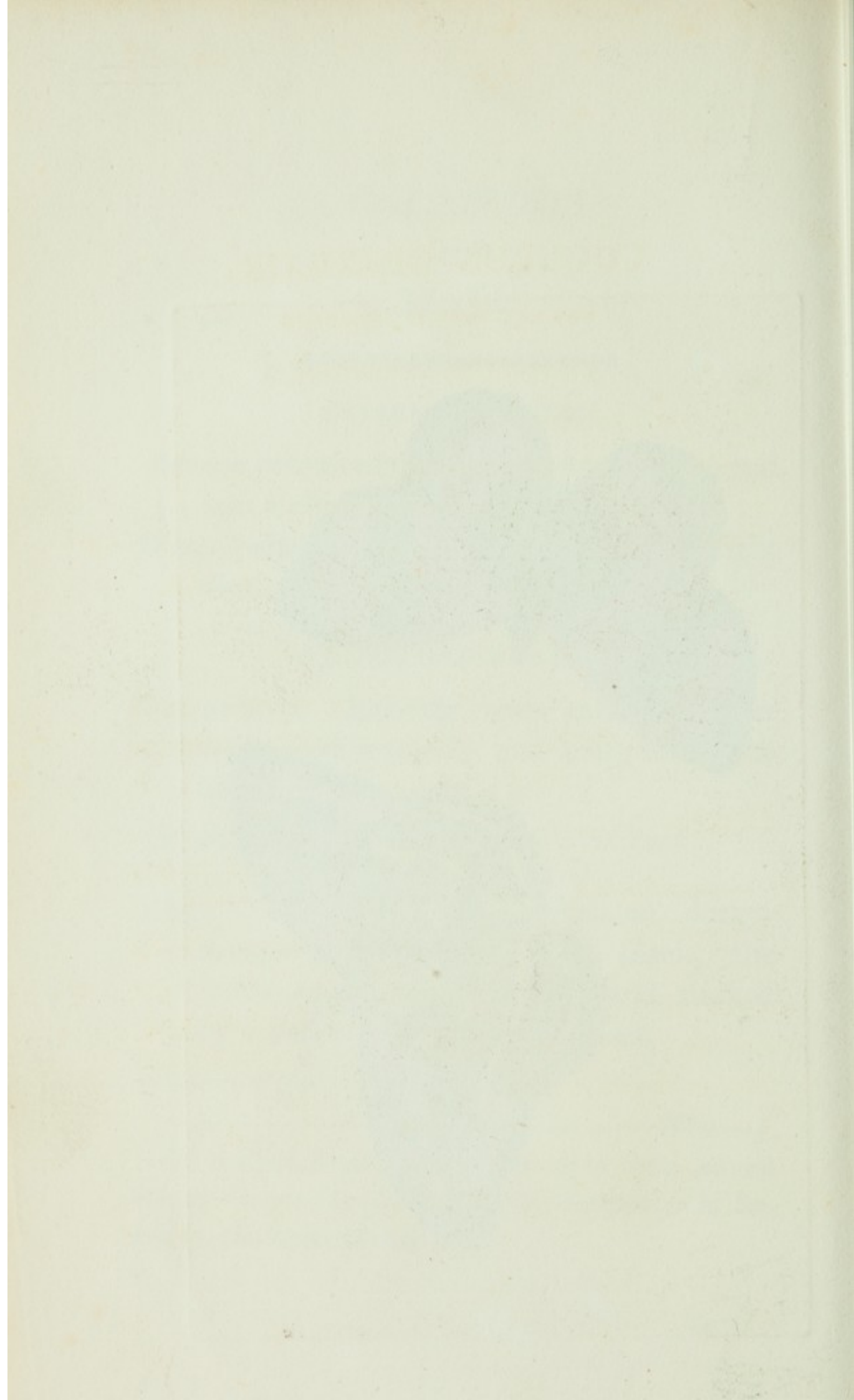
Of the two Butterflies represented in their natural size on the present plate, the upper is a native of Surinam, the lower of Greece.

P 44



*Xanthopan morgani praedicta*





## CUCULUS DISCOLOR.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Rostrum* teretiusculum.

*Nares* margine prominulæ.

*Lingua* sagittata, plana, integra.

*Pedes* scansorii.

*Lyn. Syst. Nat.* p. 168.

### CHARACTER SPECIFICUS, &c.

Cuculus discolor. C. fusco-rufescens, crista  
bifida aurantia, rectricibus duabus exterioribus  
apiceque caudæ albis.

Cuculus discolor.

*Cimelia Physica.* t. 51. p. 95.

---

Pereleganter, ut solet, in tabulis suis miscellaneis  
Cuculum discolorem depinxit Millerus, in India ge-  
nerari creditum, et Cuculo communi Europæo mag-  
nitudine parem. Nihil adhuc compertum est de mo-  
ribus modoque vivendi.



# CUCULLUS DISCOLOR.

CHARACTERES SPECIFICI.

CHARACTERES GENERALES.

Forma testaceo-fulva.

Alae marginibus proximis.

Alae angustae, planae, integrae.

Pet. scissae.

Lin. Zool. Nat. p. 103.

CHARACTERES SPECIFICI.

Cucullus discolor. C. f. testaceo-fulvus.

Alae albae, testaceo-fulvae apice.

Alae angustae, planae, integrae.

Cucullus discolor.

Cucullus discolor. C. f. testaceo-fulvus.

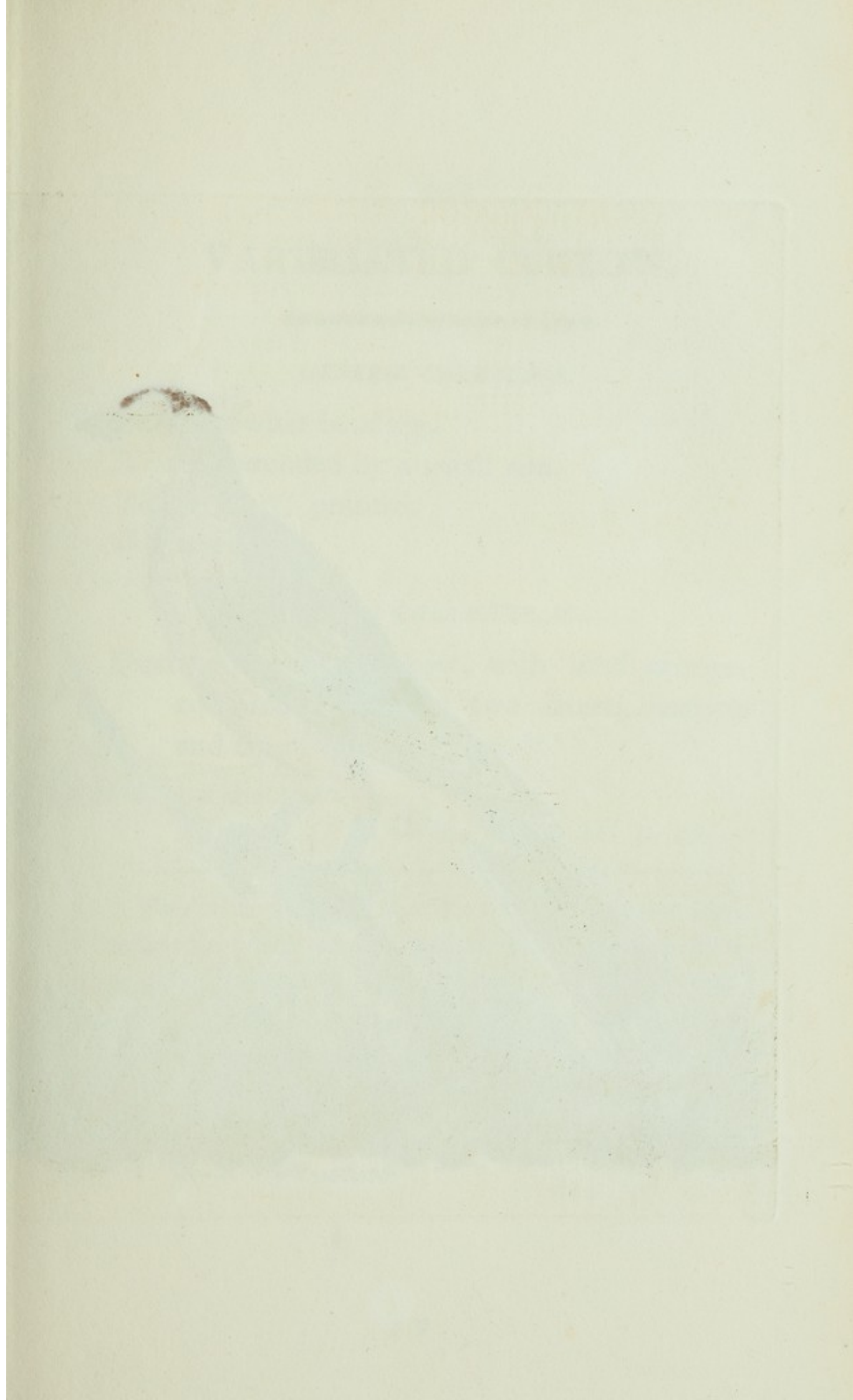
Fructus in alio, in testaceo-fulvo.

Cucullus discolor. C. f. testaceo-fulvus.

Alae albae, testaceo-fulvae apice.

Alae angustae, planae, integrae.

Cucullus discolor. C. f. testaceo-fulvus.







THE  
 VARIEGATED CUCKOW.

\*\*\*\*\*

GENERIC CHARACTER.

*Bill* somewhat bending.  
*Nostrils* bounded by a small rim.  
*Tongue* short, pointed.  
*Feet* scansorial.

SPECIFIC CHARACTER, &c.

Dusky-rufescent Cuckow, with bifid orange-coloured crest; the two lateral feathers and tip of the tail white.

*Cuculus* discolor.

*Cim. Phys.* t. 51. p. 95.

---

This bird, which is represented in the elegant miscellaneous plates of Mr. Miller, is supposed to be a native of India, and is of similar size with the common European Cuckow. Nothing seems to be known of its history or manners.



THE  
VARIATED CUCKOO.

GENERAL CHARACTER.

Bill somewhat bending.  
Nest is founded by a small rim.  
Eggs short, pointed.  
Red seasonal.

SPECIFIC CHARACTER.

Dusky-rufous Cuckoo, with buff orange  
coloured crest; the two lateral feathers  
and tip of the tail white.  
Cuckoo discolor.

Can. P. 1854. p. 95.

This bird, which is represented in the elegant and  
delicious plates of Mr. Miller, is supposed to be a  
native of India, and is of a large size with the com-  
mon form of a Cuckoo. Nothing seems to be known  
of its history or manners.

## PAPILIO POPULI.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Antennæ* apicem versus crassiores, sæpius clavato-capitatae.

*Alæ* (sedentis) erectæ sursumque conniventes.  
Volatus diurnus.

### CHARACTER SPECIFICUS, &c.

Papilio populi. P. alis dentatis fuscis albo fasciatis maculatisque; subtus luteis albo fasciatis, maculis cærulescentibus.

*Lin. Syst. Nat.* p. 776.

*Roes. ins. append.* 1. t. 33.

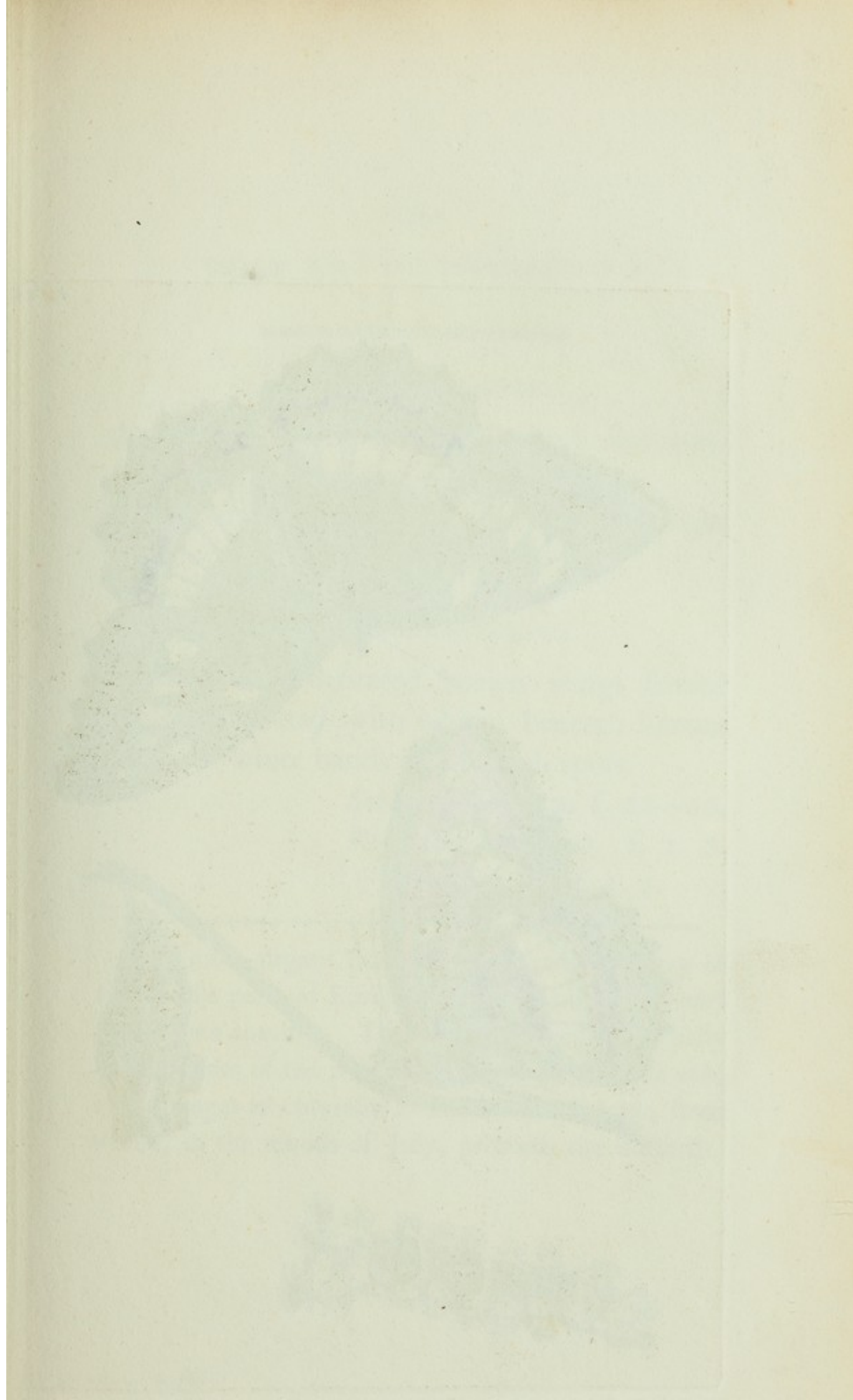
f. 1. 2.

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In Mediis Europæ regionibus sæpius conspicitur papilio iste elegantissimus, Britanniam incolentibus prorsus ignotus. Larva folia populi præcipue depascitur; interdum quercus. Mense Junio in chrysalidem convertitur, unde insequente Julio erumpit ipse papilio.











THE  
POPLAR BUTTERFLY.

\*\*\*\*\*

GENERIC CHARACTER.

*Antennæ* thickening towards the end, and commonly terminating in a clavated tip.

*Wings* (when at rest) meeting upwards. Flight diurnal.

SPECIFIC CHARACTER, &c.

Butterfly with dentated brown wings barred and spotted with white; beneath luteous with white bands and blueish spots.

*Seb. mus.* 4. t. 12. f. 25—30.

*Roes. ins.* 3. t. 33. f. 1. 2.

and 4. t. 31. f. 1. 2.

---

This most elegant Butterfly is a native of many of the middle parts of Europe, but has not been observed in our own country. The caterpillar feeds principally on the leaves of the poplar, and sometimes of the oak, and changes to chrysalis in the month of June, from which, in the month of July, proceeds the Butterfly.



# POPILLIA BUTTERFLY.

POPILLIA BUTTERFLY.

POPILLIA BUTTERFLY.

POPILLIA BUTTERFLY. and com-  
POPILLIA BUTTERFLY. in a  
POPILLIA BUTTERFLY. light

POPILLIA BUTTERFLY. wings  
POPILLIA BUTTERFLY. and  
POPILLIA BUTTERFLY. spots

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## SPARUS SEMIFASCIATUS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Dentes* validi: *Primores* simplici, duplici, triplici, vel quadruplici ordine dispositi.

*Molares* (plerisque) convexi, læves, et quasi pavementum in ore efformantes.

*Labia* crassa: *Opercula* mutica, squamosa.

### CHARACTER SPECIFICUS, &c.

*Sparus semifasciatus*. *S. fulvus*, fasciis semidecurrentibus subnigris, imo dorso macula rotundata nigerrima, pinnis rubris.

*Gen. Zool.* 4. p. 472.

*Anthias striatus*. *A. macula nigra* inter pinnam dorsi et caudæ.

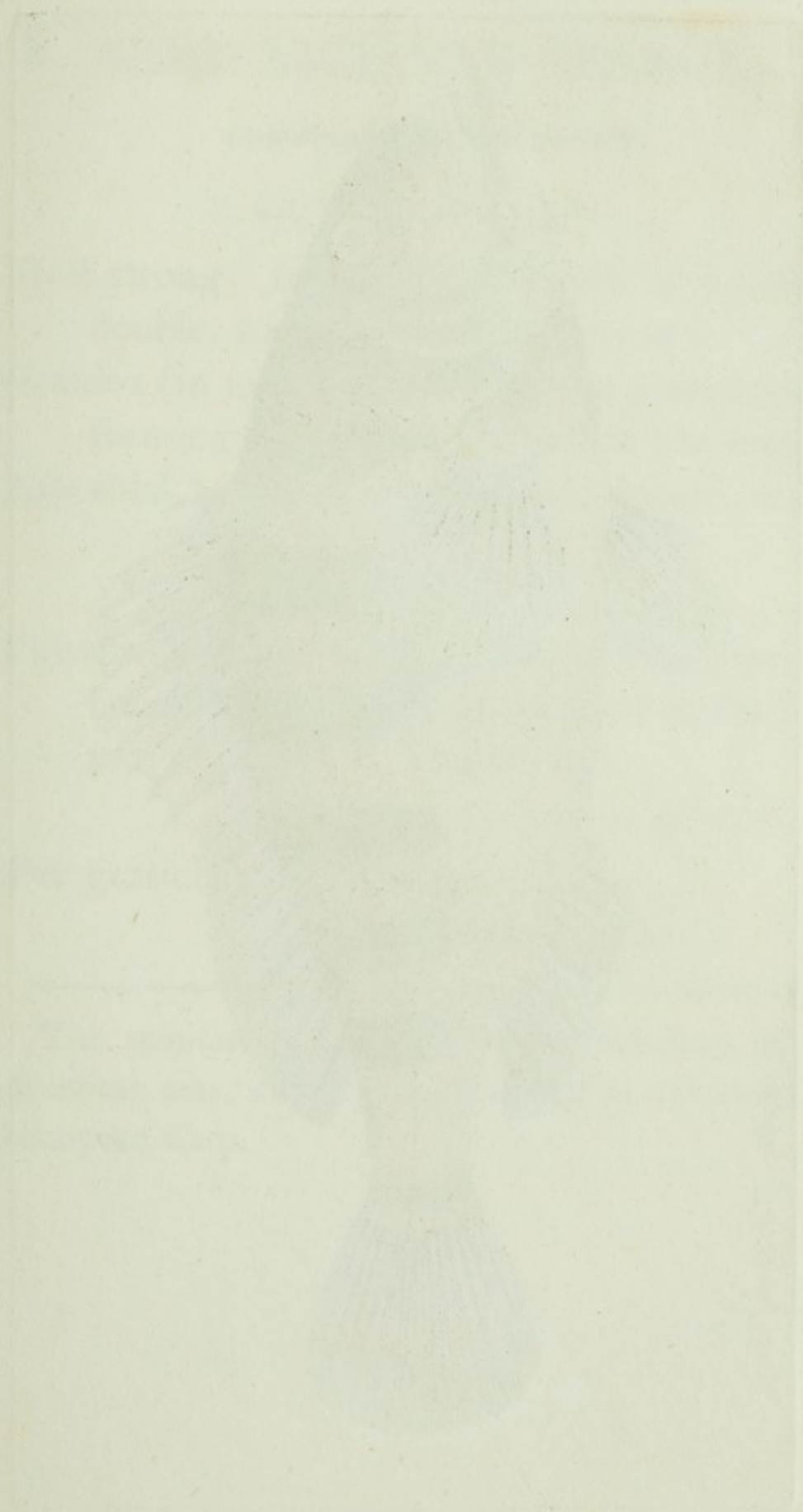
*Bloch ichth.* 9. p. 109.  
t. 324.

---

Maria incolit Americana *Sparus semifasciatus*, magnitudine quasi *Cyprini Carpionis Europæi*.











*Perca fluviatilis*

THE  
SEMIFASCIATED SPARUS.

\*\*\*\*\*

GENERIC CHARACTER.

*Teeth* strong: *front-teeth* disposed in a single, double, triple, or quadruple row.

*Grinders* (in most species) convex, smooth, and forming a kind of pavement in the mouth.

*Lips* thick: *Gill-covers* unarmed, smooth, scaly.

SPECIFIC CHARACTER, &c.

Fulvous Sparus, with semidecurrent blackish bands, a deep-black round spot at the bottom of the back, and red fins.

*Gen. Zool.* vol. 4. p. 472.

Der gezeichnete Rothling.

*Bloch ichth.* pl. 324.

---

The semifasciated Sparus is an inhabitant of the American seas, and is about the size of the common European Carp.



## SEMITE ASSOCIATED SPARUS.

\*\*\*\*\*

## GENERAL CHARACTER.

Teeth strong: Ventrals disposed in a single,  
double, triple, or quadruple row.  
Gill-cover (in most species) convex, smooth, and  
forming a kind of pavement in the mouth.  
Lip thick: Gill-cover whitened, smooth, scaly.

## GENERAL CHARACTER.

Teeth strong: Ventrals disposed in a single,  
double, triple, or quadruple row.  
Gill-cover (in most species) convex, smooth, and  
forming a kind of pavement in the mouth.

Gen. X. vol. 1. p. 112.

For general character see  
Pachymura p. 112.

The semite associated sparus is an inhabitant of the  
American sea, and is found in the list of the common  
European fish.

# MADREPORA RETEPORA.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Animal* Medusa.

*Corallium* cavitatibus lamelloso-stellatis.

*Lyn. Syst. Nat.*

## CHARACTER SPECIFICUS, &c.

*Madrepora aggregata*, stellis angulatis, lamellis filamentosis, parietibus reticulatis denticulatis.

*Soland. et Ellis zooph. p. 166.*  
t. 53. f. 5. 6.

*Madrepora retepora*.

*Lin. Syst. Nat. Gmel.*

---

In maribus Indicis generatur rarum hoc Corallium, magnitudine vera in tabula depictum.



# MADREPORA RETTIPORA

CHARACTERES GENERALES

CHARACTERES SPECIFICI

CHARACTERES VARIETALIUM

CHARACTERES VARIETALIUM

CHARACTERES VARIETALIUM

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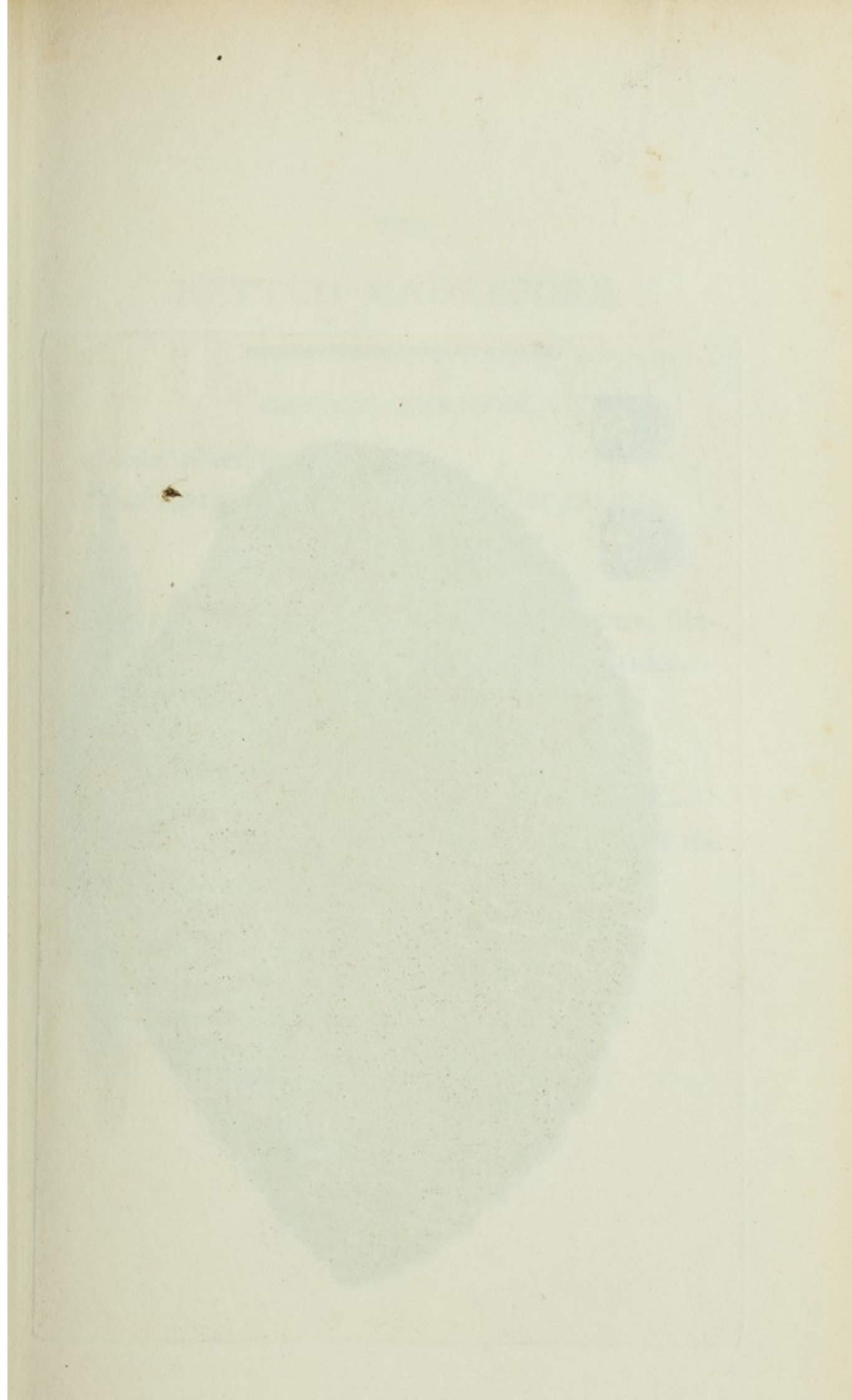
CHARACTERES VARIETALIUM

CHARACTERES VARIETALIUM

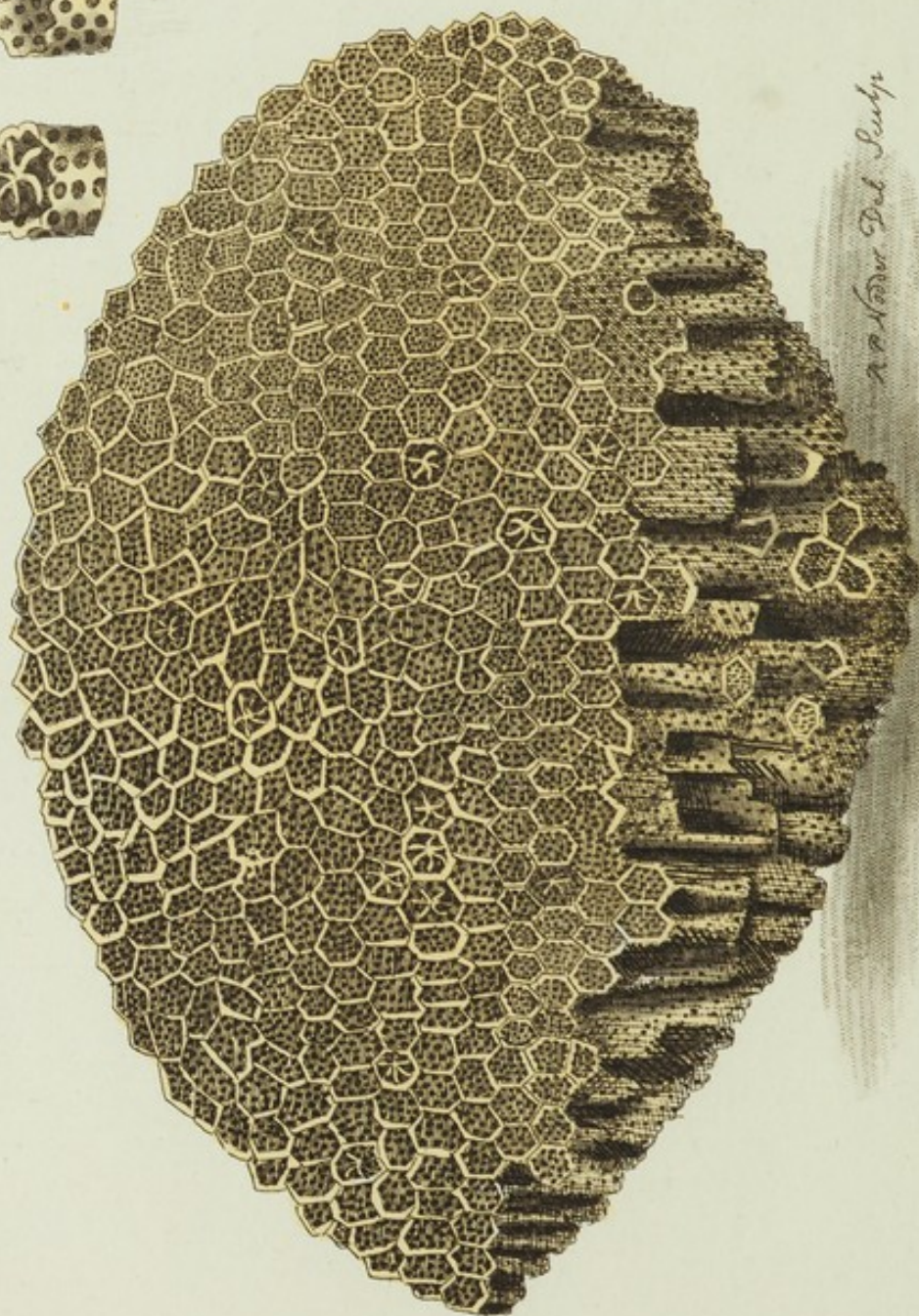
CHARACTERES VARIETALIUM

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CHARACTERES VARIETALIUM







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THE  
NETTED MADREPORE.

\*\*\*\*\*

*GENERIC CHARACTER.*

*Animal* allied to a Medusa.

*Coral* marked by radiating lamellar cavities.

*SPECIFIC CHARACTER, &c.*

Aggregate Madrepore, with angular stars, filamentous divisions, and reticulated sides.

Netted Madrepore.

Cancellated Madrepore.

---

This rare species of Madrepore is a native of the Indian seas, and is represented in its natural size.



THE

# NETTED MADRIPORE.

GENERAL CHARACTER.

General Character.

General allied to a Madras.

General allied to a Madras.

General allied to a Madras.

General allied to a Madras.

General allied to a Madras.

General allied to a Madras.

General allied to a Madras.

The netted Madras is a netted Madras.

The netted Madras is a netted Madras.

## PIPRA MILITARIS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Rostrum* capite brevius, basi subtrigonum, integerrimum, apice incurvum.

*Pedes* gressorii.

*Lin. Syst. Nat.* p. 338.

### CHARACTER SPECIFICUS, &c.

*Pipra* nigra, subtus alba, scapularibus olivaceis, fronte uropygioque coccineis, rectricibus duabus intermediis elongatis.

---

Eximiam *Pipræ* speciem depinximus, quam neminem opinamur antea descripsisse. In America australi innascitur, natali solo plurium congenerum. Ostendit tabula veram magnitudinem.



# THE MILITARY

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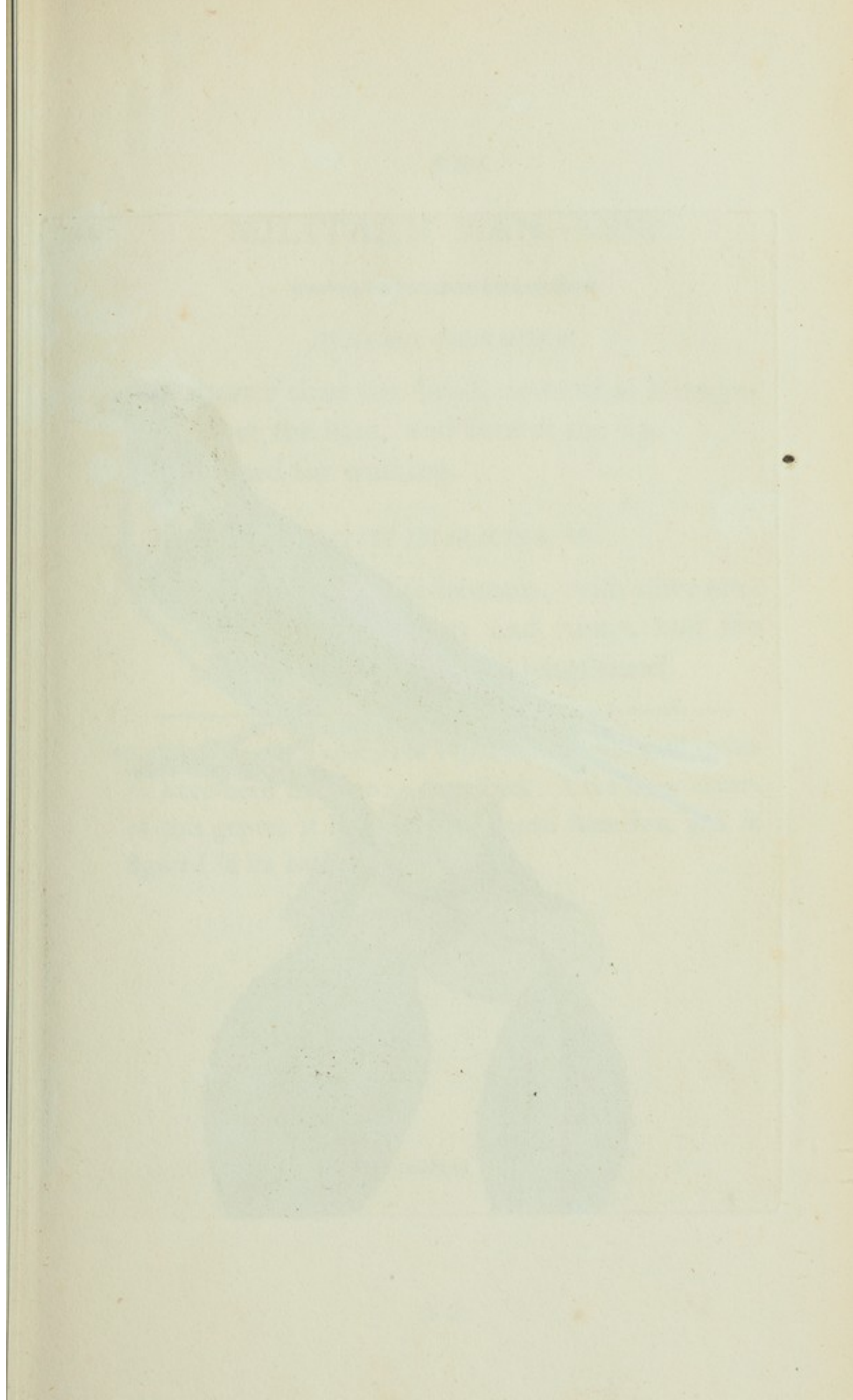
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R. S. V. V. V.

P. S. V. V. V.

THE  
MILITARY MANAKIN.

\*\*\*\*\*

*GENERIC CHARACTER.*

*Bill* shorter than the head, somewhat triangular at the base, and bent at the tip.

*Feet* formed for walking.

*SPECIFIC CHARACTER, &c.*

Black Manakin, white beneath, with olive scapulars, scarlet front and rump, and the two middle tail-feathers lengthened.

---

The beautiful species of *Pipra* here represented seems to have been hitherto undescribed. Like most others of this genus, it is a native of South America, and is figured in its natural size.



THE

# MILITARY MANIA

—

GENERAL CHARACTER

It is not so much the head, as the feet, that is the seat of the disease, and bent at the tip, as if it were broken for walking.

—

It is not so much the head, as the feet, that is the seat of the disease, and bent at the tip, as if it were broken for walking.

The principal cause of this disease is the want of exercise, and the want of the use of the feet. It is not so much the head, as the feet, that is the seat of the disease, and bent at the tip, as if it were broken for walking.

## SCOMBER ROTTLERI.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Caput* compressum, læve.

*Membr. branchiost.* radiis septem.

*Corpus* læve, linea laterali carinatum.

*Lyn. Syst. Nat.*

### CHARACTER SPECIFICUS, &c.

*Scomber argenteo-flavescens*, dorso viridi-cæruleo, pinnis pectoralibus lanceolatis rubris, linea laterali late loricata.

*Gen. Zool.* 4. p. 598.

*Scomber Rottleri.* S. maxilla inferiore prominente, pinnulis decem supra infraque.

*Bloch ichth.* 10. p. 39. t. 346.

---

Maria incolit Indica *Scomber Rottleri*, magnitudine quasi *Scombri communis Europæi*.



# SCOMBER NOTTII

SCOMBER NOTTII

SCOMBER NOTTII

SCOMBER NOTTII

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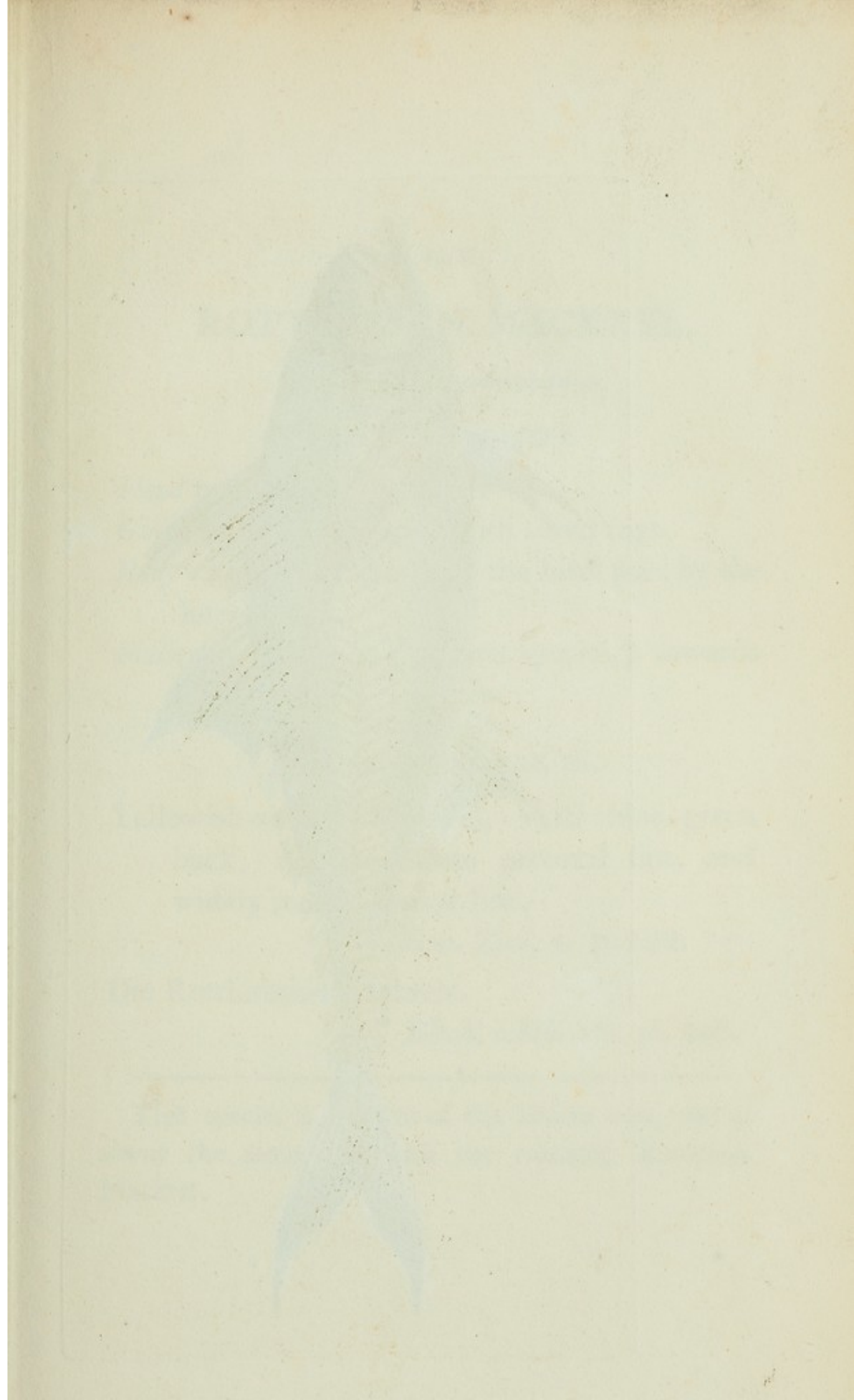
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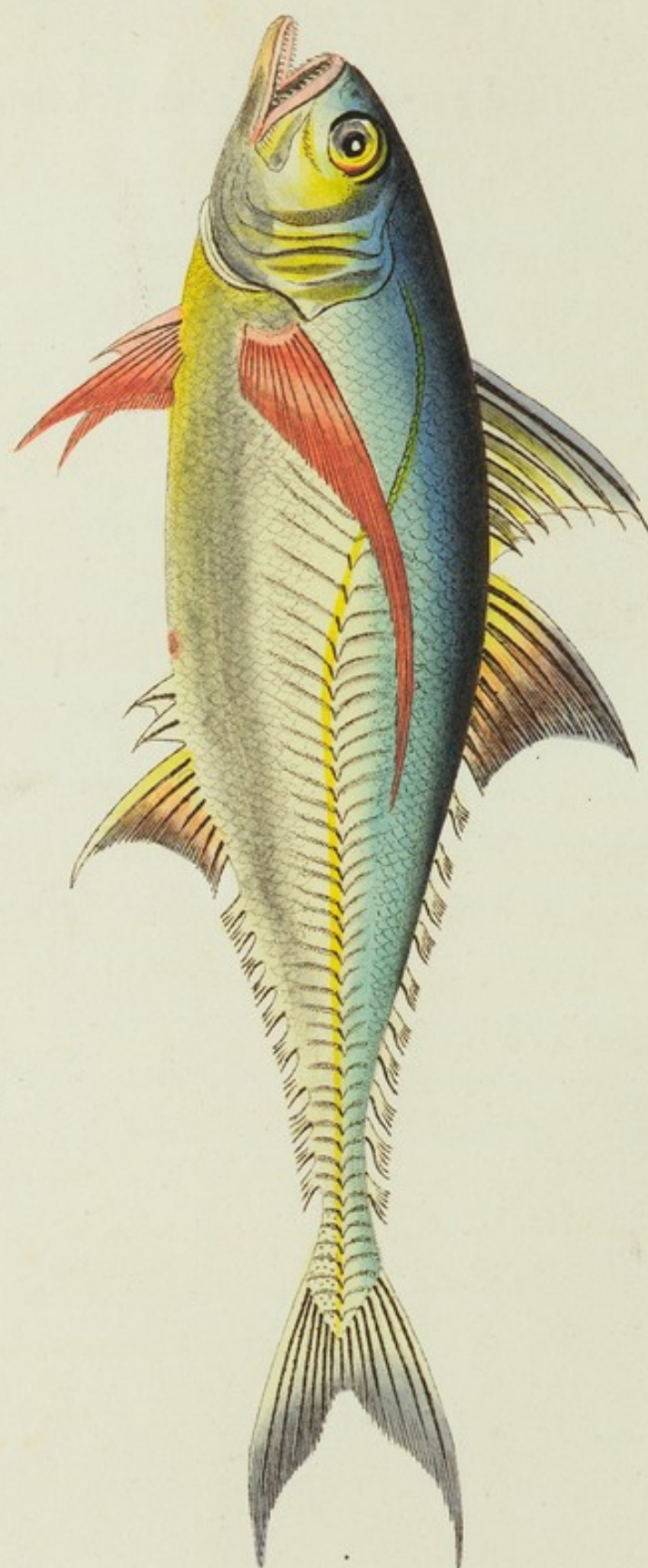
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SCOMBER NOTTII







*2. Xodrus P. L. L.*

5

THE  
ROTTLERIAN MACKREL.

\*\*\*\*\*

*GENERIC CHARACTER.*

*Head* compressed, smooth.

*Gill-Membrane* furnished with seven rays.

*Body* smooth, carinated at the hind part by the lateral line.

*Finlets* or pinnules (in most species,) towards the tail.

*SPECIFIC CHARACTER, &c.*

Yellowish-silvery Mackrel, with blue-green back, red lanceolate pectoral fins, and widely mailed lateral line.

*Gen. Zool.* 4. p. 598.

Die Rottlersche Mackrele.

*Bloch. ichth.* 10. pl. 346.

---

This species is a native of the Indian seas, and is about the same size with the common European Mackrel.



# ROTTENSTEIN'S MACKEREL

*Scomberus rotti*

Roottstein, *Proc. Zool. Soc. London*, 1872, p. 107.

This common mackerel, known as the  
Olive mackerel, is found in the  
Red Sea, and is distinguished from the  
lateral mackerel by the  
blackish or brownish (in most species) towards

the snout, and the  
yellowish-brown mackerel, with blue-green  
back, and dusky lateral line, and  
widely marked lateral line.

See *Nat. Hist.*, p. 508.

The Rottenstein's Mackerel.

Black. *Ibid.*, p. 546.

---

This species is a native of the Indian sea, and is  
about the same size with the common European  
Mackerel.

## DORIS PALMIFERA.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Corpus* repens, oblongum, subtus planum.

*Os* antice subtus.

*Anus* postice, supra cinctus ciliis.

*Tentacula* duo, supra corpus antice, intra foramina retractilia.

*Lin. Syst. Nat. Gmel.* p. 1083.

### CHARACTER SPECIFICUS, &c.

*Doris* cuprea fusco obumbrata, dorso utrinque appendiculis numerosis erectis apice ramosis.

*Tritonia* Hombergii.

*Cuvier ann. m. h. n.* tom. 6. p. 354.

*Tritonia* arborescens?

*Cuvier* ibid. pl. 6. f. 8—10.

*Amphitrite* frondosa?

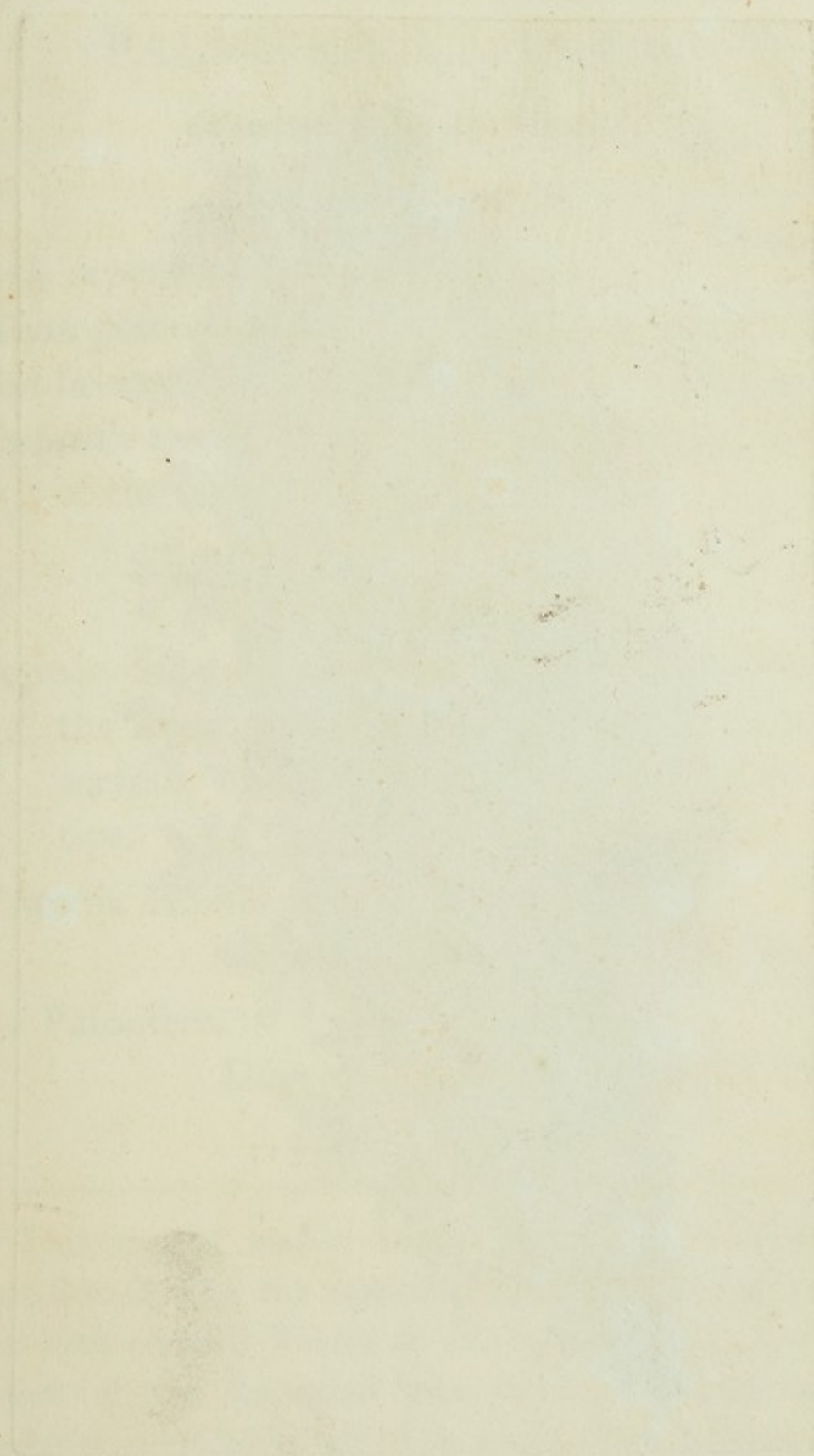
*Ascan. act. dronth.* 5. p. 555.

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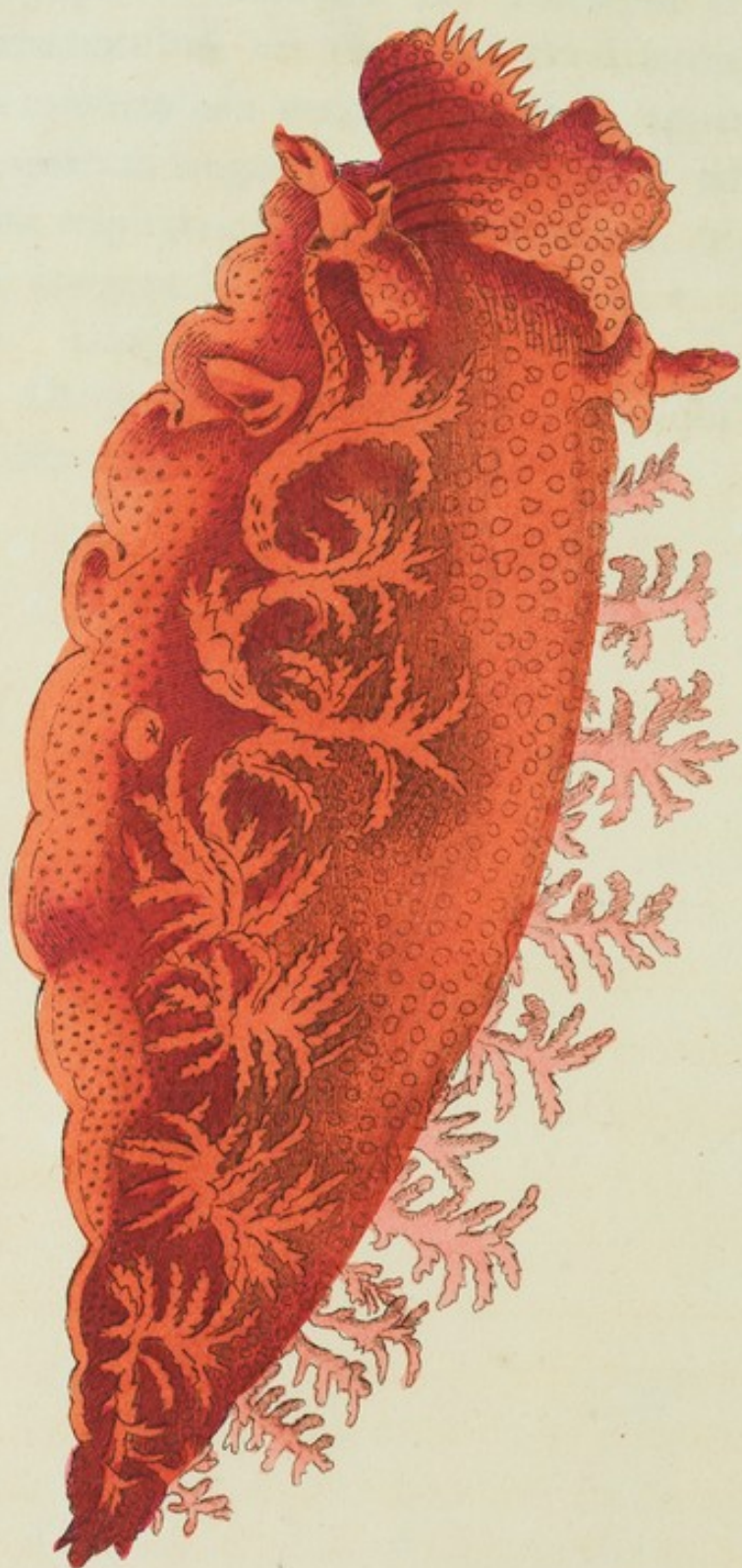
De eleganti quod depinximus animali primus disruiſſe videtur Dicquemare in opere cui titulus *Journal de Physique*. In maribus generatur Europæis; et ſi faciem univerſam intuearis, facillime conjicias affinem eſſe aliis multis ſpeciebus quas amplectitur Linnæanum genus *Doris*. Satiſ tamen celeberrimo Cuviero viſum eſt, in opere quod inſcribitur *Annales du Muſeum*



*d'Histoire Naturelle*, ut instituatur Doridi palmiferæ novum genus, quod ab illo *Tritonia* dicitur. Color est pure cupreus, fusco hic illic paululum obumbratus; excurrentibus utrinque per dorsi latera palmas totidem minutas non male referentibus, appendicibus erectis, quarum singularum ab ore centrali aditus est ad organa respirationis. Doridi palmiferæ, ut et aliis pluribus congeneribus, motus est tardus, et quasi limacinus. Longum erat octo uncias specimen quod inspexit Dicquemare, quodque in portu qui dicitur Gratia, detectum.







THE  
PALMIFEROUS DORIS.

\*\*\*\*\*

GENERIC CHARACTER.

*Body* repent, oblong, flat beneath.  
*Mouth* placed below, towards the anterior end.  
*Vent* behind, generally surrounded by a fringe.  
*Tentacula* two or four, seated on the upper part  
of the body in front, retractile.

SPECIFIC CHARACTER, &c.

Copper-coloured Doris shaded with brown;  
the back furnished on each side with numerous upright processes with ramified tips.

*Tritonia Hombergii*.

*Cuvier. Ann. M. H. N. 6. p. 434.*

*La Palmifere*.

*Dicquem. Journ. de Physique. 27.  
p. 262. pl. 2.*

---

This elegant marine animal appears to have been first described by the ingenious Abbé Dicquemare, in the work entitled *Journal de Physique*. It is an inhabitant of the European seas, and in its general appearance is evidently allied to many other animals of the Linnæan genus Doris. Mons. Cuvier however,



in the *Annales du Museum d'Histoire Naturelle*, is inclined to consider it as constituting a separate new genus, which he distinguishes by the title of *Tritonia*. Its colour is that of pure copper, with a few dusky or brownish shades, and along each side of the back is placed a row of upright processes, so formed as to resemble the appearance of Palm-Trees in miniature. Each of these processes is furnished with a central orifice communicating with the organs of respiration. The motion of this species, as in most others of the genus, is slow and snail-like. The individual observed by the Abbé Diquemare measured eight inches in length, and was taken on the coast of Havre.

## PAPILIO CRAMERIANUS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Antennæ* apicem versus crassiores, sæpius clavato-capitatae.

*Alæ* (sedentis) erectæ sursumque conniventes.  
(volatu diurno.)

### CHARACTER SPECIFICUS, &c.

Papilio alis subdenticulatis nigris, maculis albis  
margine cæruleo-nitentibus, primoribus  
macula interiore sanguinea.

Papilio Iphigenia.

*Cramer* t. 67. f. D. E.

Pap. Nerina?

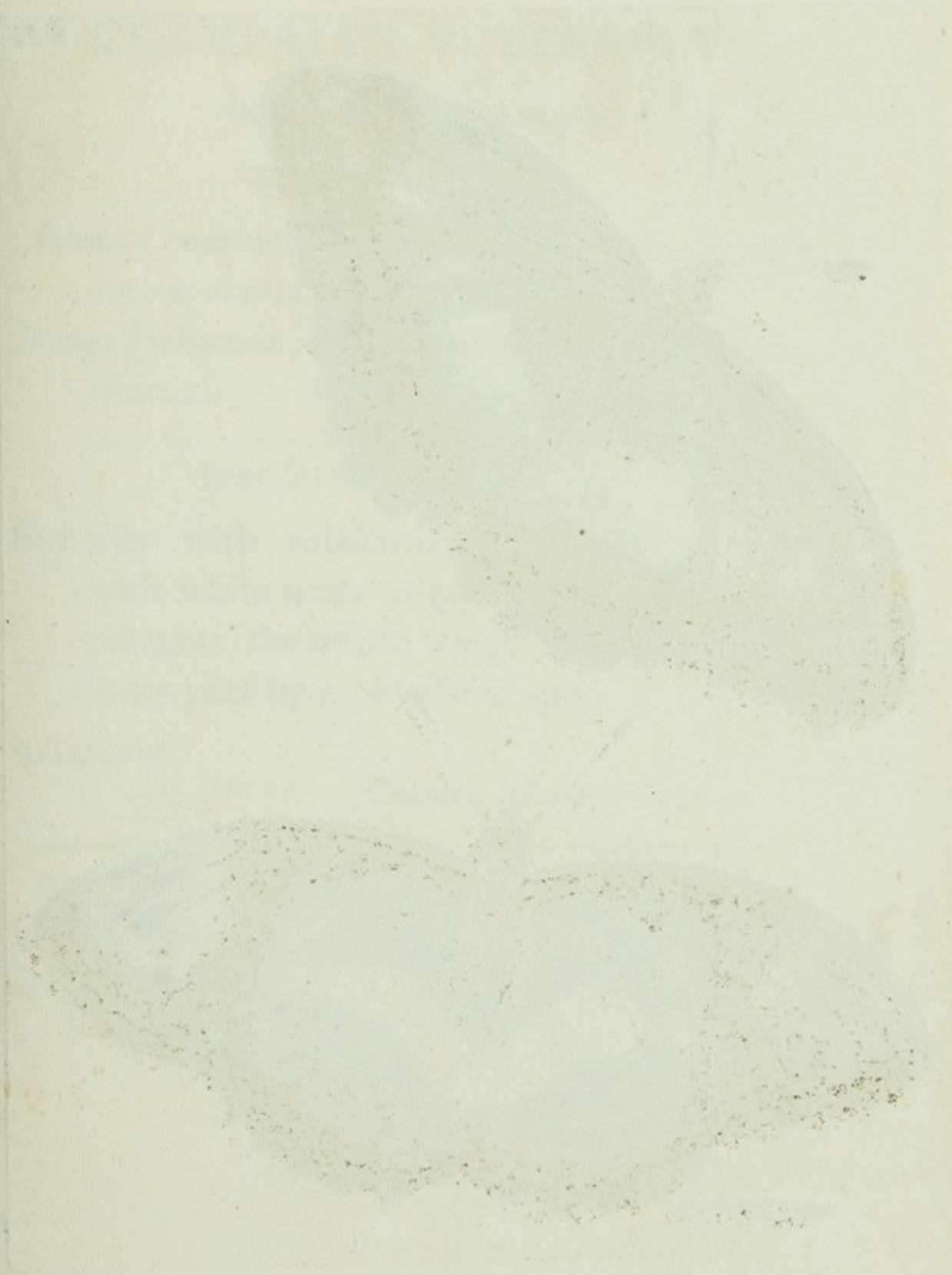
*Fabr. sp. ins.* 2. p. 98.

---

In Java generatur elegans hic Papilio, magnitudine  
vera in tabula depictus.











R.N. Del. Juss.

THE  
CRAMERIAN BUTTERFLY.

\*\*\*\*\*

GENERIC CHARACTER.

*Antennæ* commonly thickening towards the end  
into a clavated tip.

*Wings* (when at rest) meeting upwards. Flight  
diurnal.

SPECIFIC CHARACTER, &c.

Butterfly with subdenticulated black wings,  
with white spots edged by a shining-blue  
margin; the upper wings marked on the  
inner part by a blood-red spot.

Iphigenia.

*Cramer.* pl. 67. f. D. E.

---

This elegant Butterfly is a native of the island of  
Java, and is represented on the plate in its natural  
size.





## STRIX SUPERCILIOSA.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Rostrum* aduncum, absque cera.

*Nares* oblongæ, pennis setaceis recumbentibus  
obtectæ.

*Caput* grande, auribus oculisque magnis.

*Lingua* bifida.

*Digitus* externus retro mobilis.

### CHARACTER SPECIFICUS, &c.

*Strix* ferruginea, fascia utrinque superciliari  
descendente alba.

*Strix* superciliosa.

*Gen. Zool.* 7. p. 250.

---

Americam Australem incolit *Strix* superciliosa,  
magnitudine quasi *Strigis* *Oti* Linnæi.



# STRIX SUPERCILLIOSA

CHARACTER GENERIS

ROSTRUM aduncum, apicem cernit.

NAVIS oblonga, pennae albae rectiusculae.

oculis.

CAUDA grande, auribus oculisque magna.

lingua pallida.

DIGITI extensus retro mobilis.

CHARACTER SPECIES

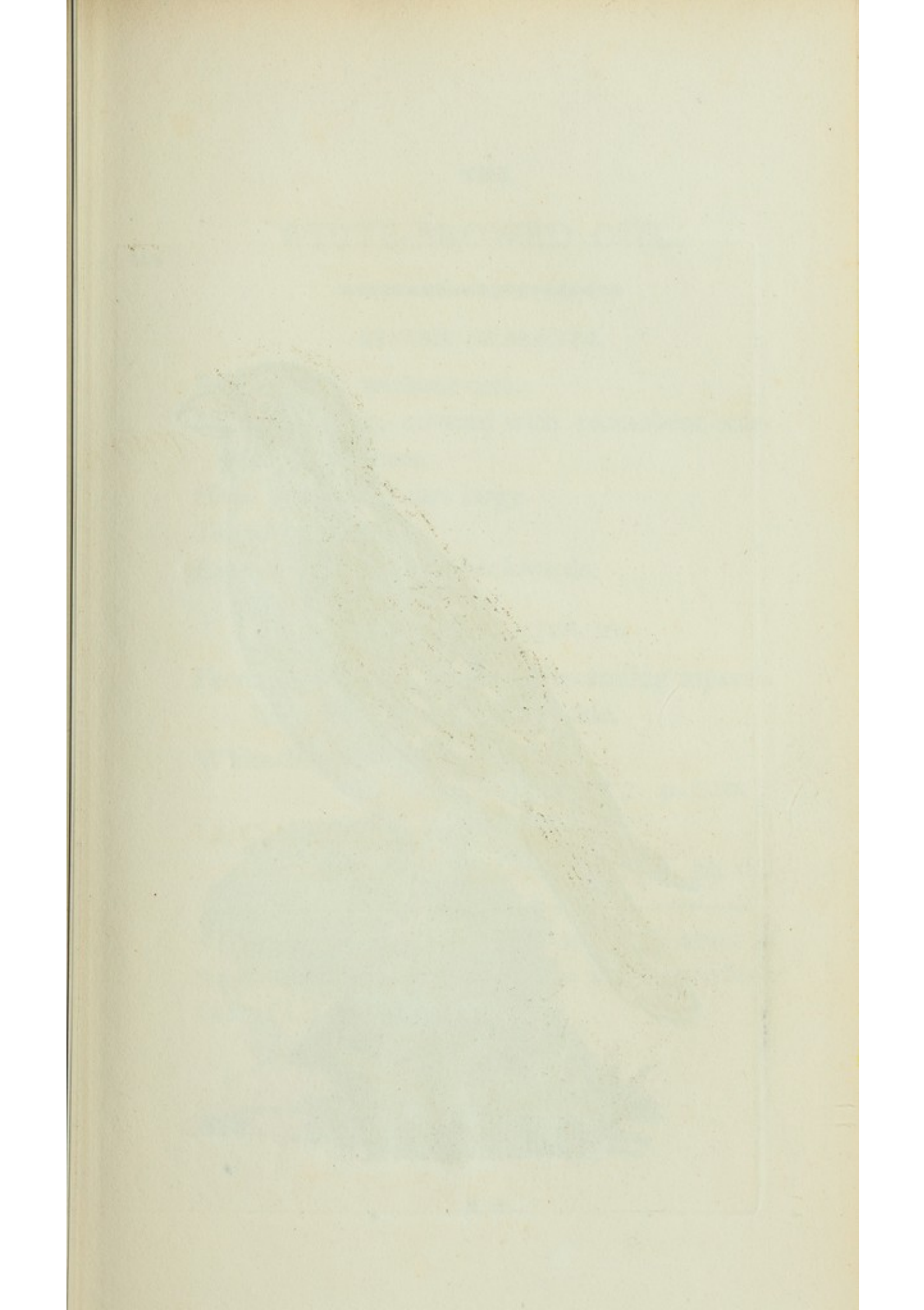
STRIX ferruginea, fasciis utrinque superciliaribus.

descendentibus albis.

STRIX supercilliosa.

Gen. No. 7. p. 229.

Americanus Australis incola STRIX supercilliosa,  
magnitudine quasi Strigis Ori. Linnæi.







THE  
WHITE-BROWED OWL.

\*\*\*\*\*

GENERIC CHARACTER.

*Bill* hooked, without cere.

*Nostrils* oblong, covered with recumbent setaceous feathers.

*Head*, eyes, and ears large.

*Tongue* bifid.

*Exterior toe* moveable backwards.

SPECIFIC CHARACTER, &c.

Ferruginous Owl, with a descending superciliary white band on each side.

White-Browed Owl.

*Gen. Zool.* 7. p. 250.

La Chouette à Aigrette blanche.

*Levaill. ois. afr.* pl. 43.

---

The species here represented is an inhabitant of South-America, and is about the size of the *Strix Otus* of Linnæus.



THE

# WHITE-BROWED OWL.

GENERIC CHARACTER.

Bill hooked, without cere.

Nostrils oblong, covered with prominent setae.

Feathers

Head, eyes, and ears large.

Tarsus

Feathers on the wings backwards.

GENERIC CHARACTER, &c.

Two long, slender, white descending spots.

Large white band on each side.

White-browed Owl.

Gen. &c. p. 200.

The Chondestes, &c.

Gen. &c. p. 121.

The species here represented is an individual of

South America, and is about the size of the Hawk.

One of Linnaeus.

## SCOMBER REGALIS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Corpus* oblongum, læve, linea laterali interdum  
carinatum.

*Pinnulæ* sæpius supra infraque caudam.

### CHARACTER SPECIFICUS, &c.

*Scomber* supra cæruleus, subtus argenteus, lateribus flavo striato-maculatis.

*Scomber* regalis.

*Bloch ichtth. t. 333.*

---

In mari Americano præcipue conspicitur *Scomber* regalis, longitudine tres, quatuor, vel etiam sex pedes æquans.



# SCOMBER REGALIS.

\*\*\*\*\*

CHARACTER GENERICUS.

Corpus oblongum, laeve, linea laterali interdum

carinata.

Pinnulae supra infraque caudam.

CHARACTER SPECIFICUS, &c.

Scomber supra caeruleus, subtus argenteus, la-

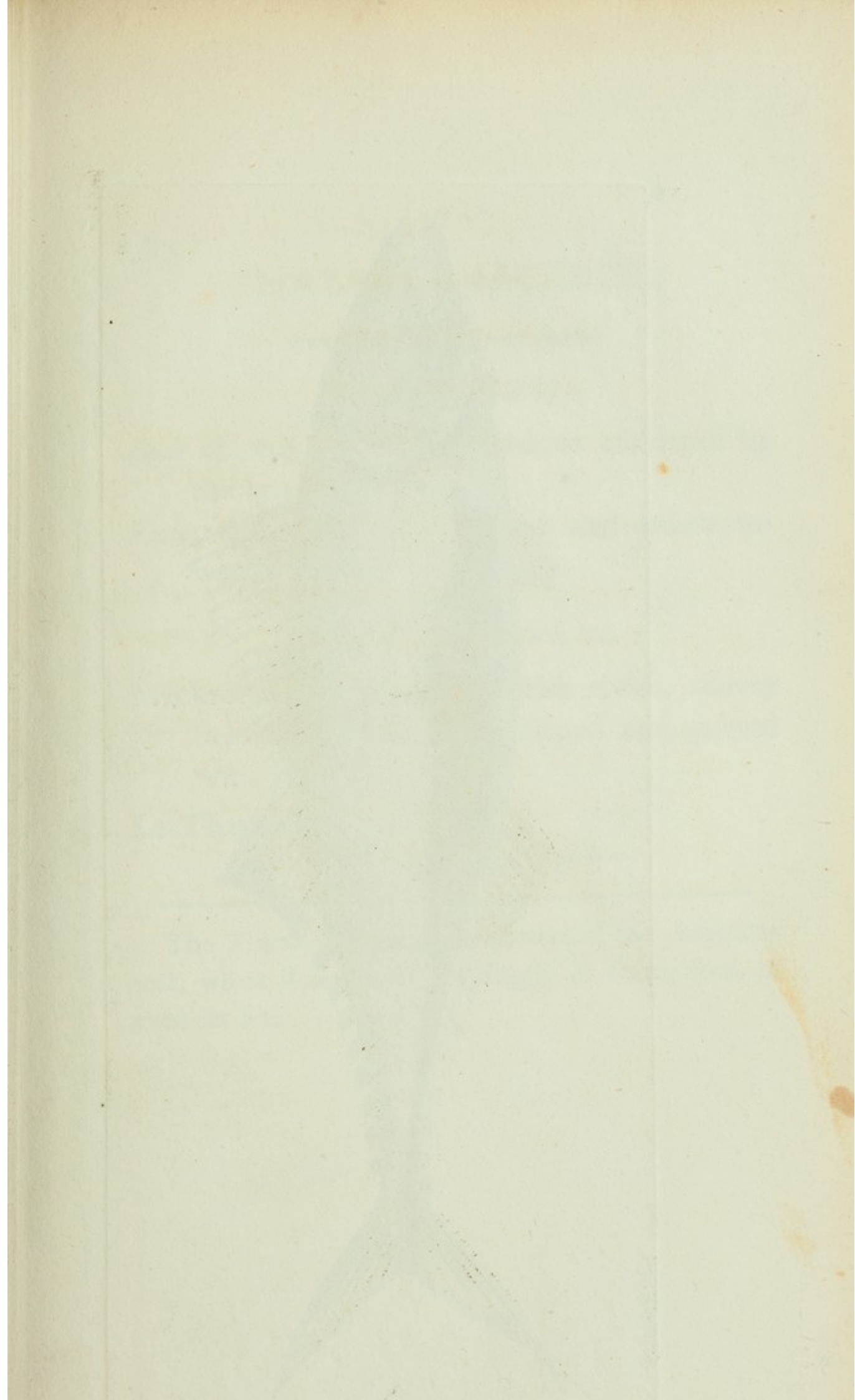
teribus flavo strigato-maculatus.

Scomber regalis.

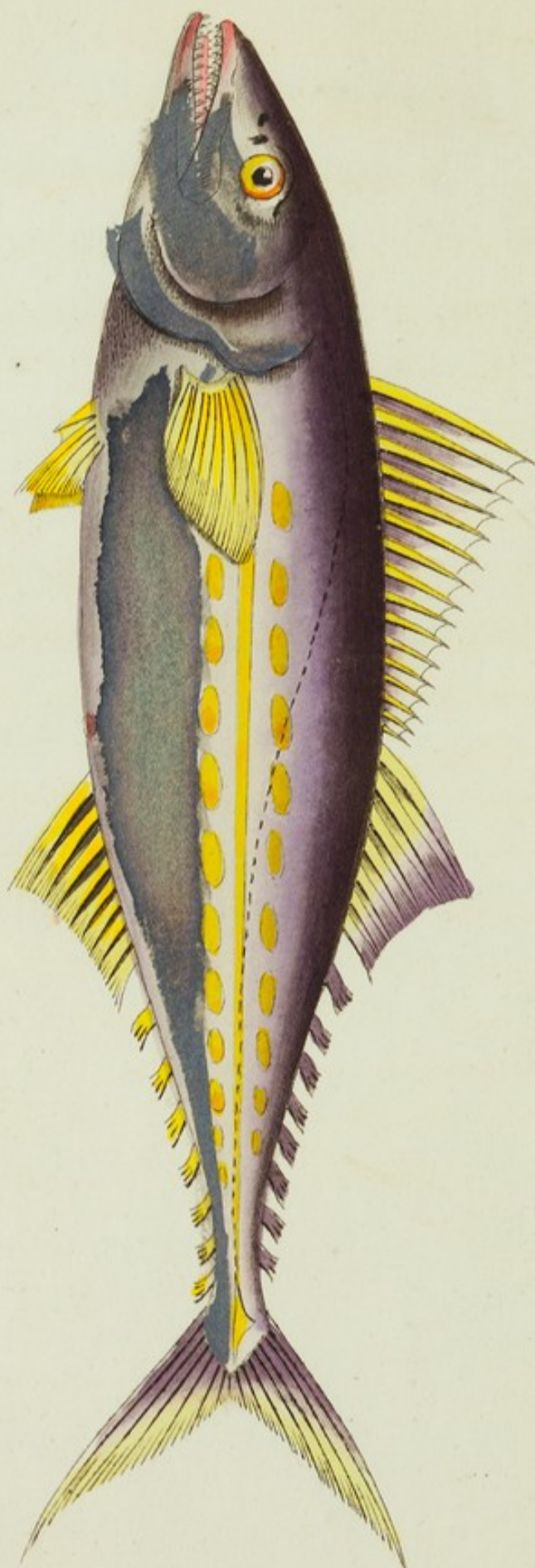
Bloch Ichth. t. 833.

---

In mari Americano praecipue conspicitur Scomber  
regalis, longitudine tres, quatuor, vel etiam sex pedes  
aequans.







THE  
THAZARD MACKREL.

\*\*\*\*\*

GENERIC CHARACTER.

*Body* oblong, smooth, sometimes carinated by the lateral line.

*Finlets* (in most species) above and below towards the tail.

SPECIFIC CHARACTER, &c.

Mackrel with the body blueish above, silvery below, and the sides striped and spotted with yellow.

Le Thazard.

*Cepede.*

---

The Thazard Mackrel is a native of the American seas, where it arrives at the length of three, four, or even six feet.



## THASARD MACKEL.

Very young specimens.

Color of the body.

Body oblong, rounded at the ends, sometimes flattened by

the lateral pressure.

Faint (in most species) above and below to

wards the tail.

Color of the head.

Mackel with the body bluish above, silver

below, and the sides striped and spotted

with yellow.

Le Thasard.

(Lepid.)

The Thasard Mackel is a native of the American

seas, where it attains at the length of three feet or

even six feet.

# MADREPORA PHRYGIA.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Animal* Medusa.

*Corallium* cavitatibus lamelloso-stellatis.

*Lin. Syst. Nat.*

## CHARACTER SPECIFICUS, &c.

Madrepora conglomerata, anfractibus longissimis angustis, dissepimentis simplicibus lamellosis, lamellis remotiusculis.

Madrepora Phrygia. M. conglomerata, anfractibus longissimis angustis, ambulacris perpendicularibus simplicibus, dissepimentis simplicibus laminosis lobulatis, lamellis remotiusculis.

*Soland. et Ellis zooph. p. 162.*

t. 48. f. 2.

---

In Oceano Pacifico generatur pulcherrimum hoc Corallium, et magnitudine vera in tabula exprimitur.



# MADREPORA THYRGIA

CHARACTER SPECIFICUS

CHARACTER SPECIFICUS

Char. Medus.

Corallum cariatibus lamellosis stellatis

Tab. Syst. Nat.

CHARACTER SPECIFICUS

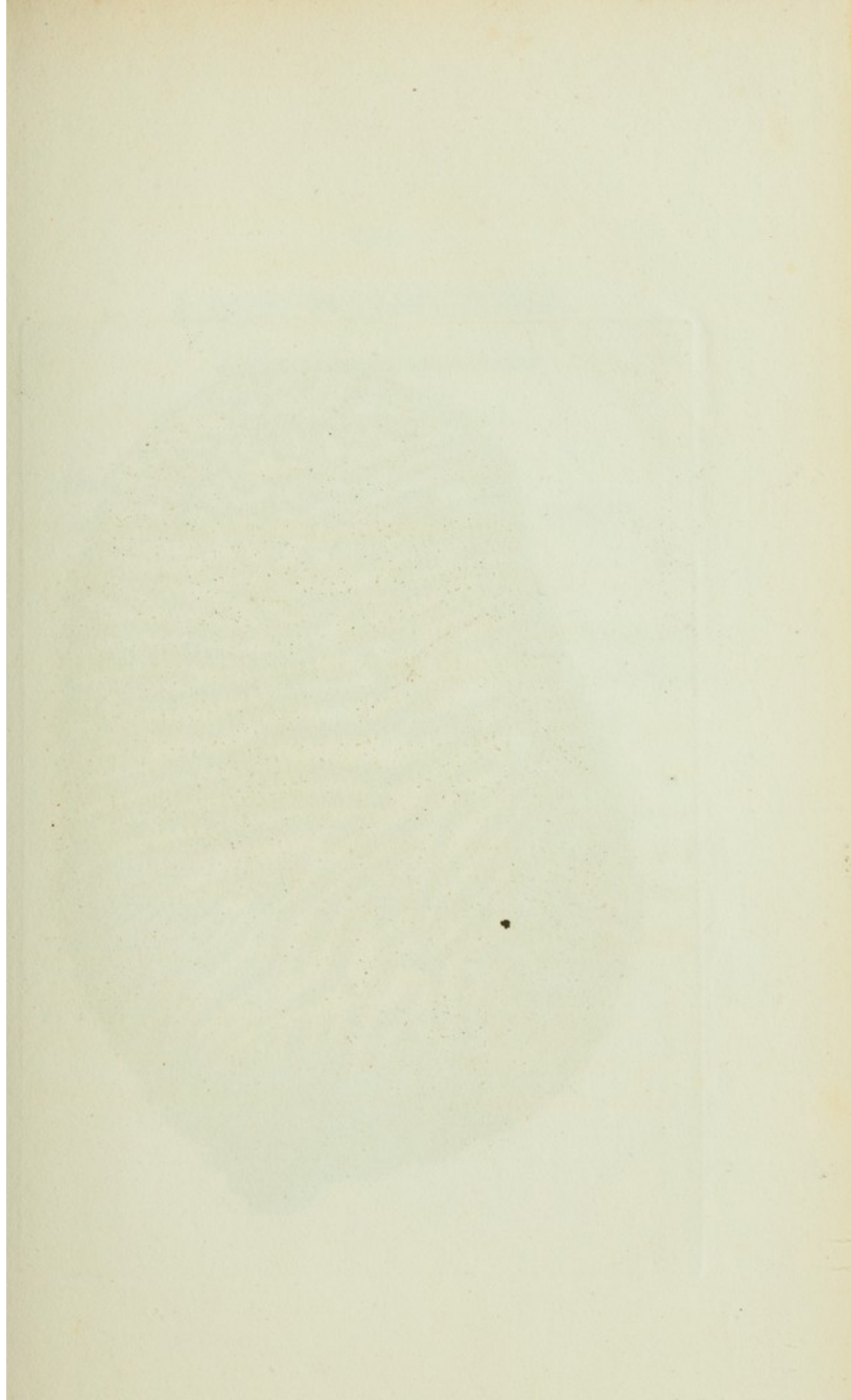
Madrepora conglomerata, apertibus longis  
sinus angustis, dissimulatis simplicibus  
lamellosis, lamellis remotiusculis.

Madrepora Thyrgia. M. conglomerata, an-  
fractibus longissimis angustis, ambulacris  
perpendicularibus simplicibus, dissimulan-  
tis simplicibus lamellosis lobulatis, lamellis  
remotiusculis.

Soland. et Ellis scop. p. 102.

t. 48. f. 3.

In Oceano Pacifico generatur pulcherrimum, hoc  
Corallum, et magnitudine vix in tabula exprimitur.







*Asplenium Del. D. 1744*

THE  
LACE MADREPORE.

\*\*\*\*\*

GENERIC CHARACTER.

*Animal* allied to a Medusa.

*Coral* marked by lamellar stellated cavities.

SPECIFIC CHARACTER, &c.

Conglomerate Madreporæ, with very long narrow undulations, simple lamellated dissepiments, and rather distant lamellæ.

Lace Madreporæ.

---

This most beautiful Madreporæ is a native of the Pacific Ocean, and is represented in its natural size.



# LACE MADRIPORE.

\*\*\*\*\*

GENERIC CHARACTER.

Animal allied to a Madras.  
Coral marked by smaller and cavities.

SPECIFIC CHARACTER.

Conglomerate Madrapore, with very long narrow undulations, simple interrupted dissepiments, and rather small lamellae.  
Lace Madrapore.

---

This most beautiful Madrapore is a native of the Pacific Ocean, and is represented in its natural size.

# PHALÆNA RHODOPE.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Antennæ* setaceæ, a basi ad apicem sensim attenuatæ.

*Alæ* (sedentis) sæpius deflexæ. (Volatu nocturno.)

*Lin. Syst. Nat.* p. 808.

## CHARACTER SPECIFICUS, &c.

Phalæna alis elongato-ovatis nigris, posticis basi macula magna radiata cærulea.

Zygæna flabellicornis. Z. alis oblongis atris, posticis subcaudatis basi virescentibus.

*Fab. sp. ins.* 2. p. 163.

Phalæna Rhodope.

*Cram. ins.* t. 30. f. E.

---

Chinam incolit pulchra hæc Phalæna, et magnitudine vera in tabula depingitur.



# PHALANNA RHODOPE.

\*\*\*\*\*

## CHARACTER GENERALIS.

Antennae setaceae, a basi ad apicem sensim attenuatae.

Pubes.

Alae (sedentes) setis densis. (Volantibus nec.)

Antennae.

For. Sem. Nov. p. 808.

## CHARACTER SPECIFICUS.

Phalanna alis elongato-ovatis nigris, posticis

basi macula magna radiata cincta.

Alae fimbriatae. N. alis oblongis albis.

Posticis subcylindricis basi viridibus.

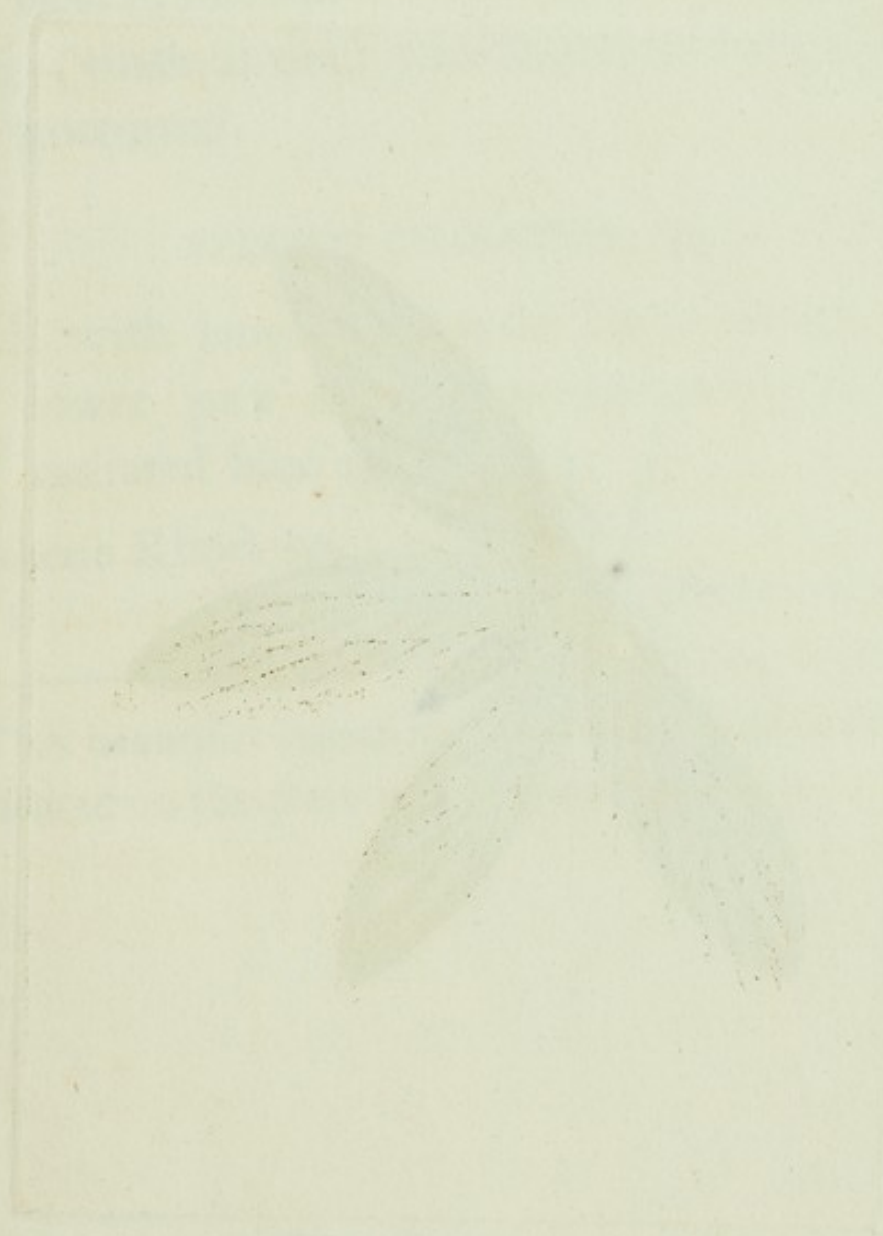
For. Sem. Nov. p. 103.

Phalanna Rhodope.

Crem. Nov. t. 30. f. 1.

Character inveniuntur in Phalanna, et magnitudine.

Alae vero in tabula designantur.





256



## RHODOPE.

\*\*\*\*\*

### GENERIC CHARACTER.

*Antennæ* setaceous, gradually lessening from the base to the tip.

*Wings* (when at rest) generally deflected. Flight nocturnal.

### SPECIFIC CHARACTER, &c.

Moth with lengthened-oval black wings; the lower pair marked at the base by a large radiated blue spot.

*Phalæna Rhodope.*

*Cram. ins. pl. 30. f. E.*

---

This beautiful Insect is a native of China, and is represented on the plate in its natural size.



# RHODOPIS

\*\*\*\*\*

## GENERIC CHARACTER.

Antennae setaceous, gradually lessening from the base to the tip.  
Wings (when at rest) generally deflexed. Flight nocturnal.

## SPECIFIC CHARACTER.

Moth with lengthened oval black wings; the lower pair marked at the base by a large radiated blue spot.

*Phalaena Rhodope.*

*Crameria* pl. 50. f. n.

---

This beautiful larva is a native of China, and is represented on the plate in its natural state.

# SERPENTARIUS AFRICANUS.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Rostrum* vulturinum.

*Lingua* acuminata.

*Pedes* longissimi.

## CHARACTER SPECIFICUS, &c.

Serpentarius Africanus. S. cinereus, occipite  
cristato, cauda cuneata, rectricibus mediis  
elongatis.

*Gen. Zool.* 7. p. 46.

Sagittarius.

*Vosmaer monogr.* t. 8.

Falco Serpentarius.

*Lath. ind. orn.*

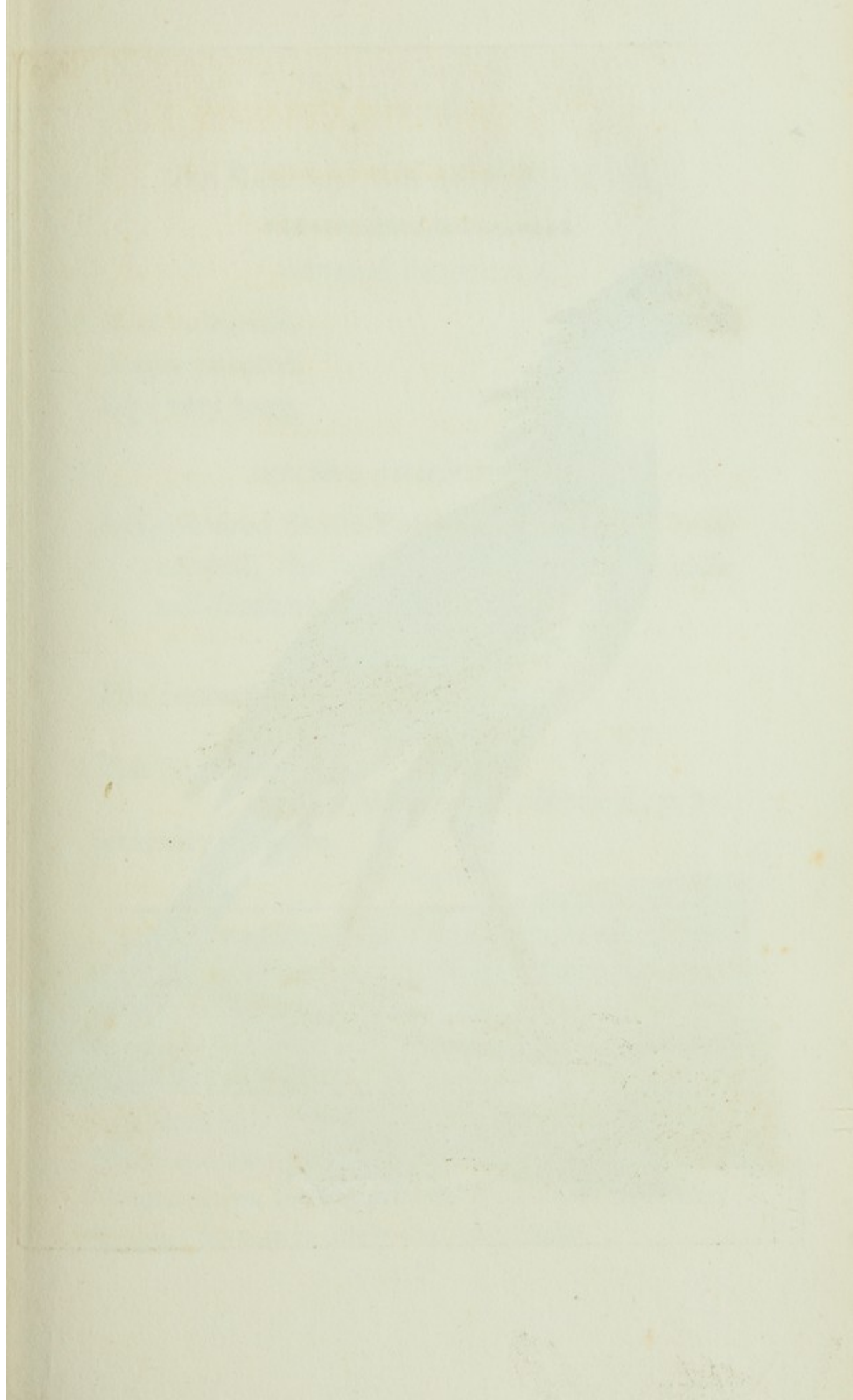
*Lin. Gmel.*

---

Avi quam describere pergimus insignis quadam videtur esse affinitas cum ordinibus duobus Linnæanis, *Accipitribus* nempe et *Grallis*; quorum alteri rostro et capite simillima est; alteri autem crurum longitudine, et habitu corporis. In Africanis generatur regionibus mediis et imis, camporum amatrix aridorum et patentium; pasciturque serpentes et alia reptilia. Magnitudo eadem fere est atque *Ardeæ Ciconiæ* Linnæi.











R. P. W. D. L. et al. 1857

THE  
AFRICAN SNAKE-EATER.

\*\*\*\*\*

GENERIC CHARACTER.

*Beak* vulturine.

*Tongue* pointed.

*Legs* very long.

SPECIFIC CHARACTER, &c.

Ash-coloured Snake-Eater, with the hind-head crested, the tail cuneated, and the middle tail-feathers elongated.

*Gen. Zool.* 7. p. 46.

The Secretary or Sagittarius.

*Phil. Trans.* 61. p. 175.

The Snake-Eater.

*Memoirs of G. Edwards*, p. 34.

Secretary Vulture.

*Lath. syn.*

---

The bird which forms the subject of the present plate, is remarkable for exhibiting a strong apparent alliance between the two widely different Linnean orders of Accipitres and Grallæ; having the bill and countenance of the former, with the long legs and general habit of the latter. It is an inhabitant of the middle and lower regions of Africa, where it frequents dry open plains, feeding principally on snakes and other reptiles. Its size is nearly that of a Stork.



# ATKIN'S SNAKE-EATER

=====

## GENERAL CHARACTER.

Low ventral.  
Toes pointed.  
Legs very long.

## SPECIFIC CHARACTER.

Ash-coloured Snake-Eater with the hind head  
crusted, the tail crusted, and the middle  
tail-feathers elongated.

Length 10 in. 10.

The Secretary of the Society.

London 10 in. 10.

The Snake-Eater.

London 10 in. 10.

Secretary of the Society.

London 10 in. 10.

The bird which forms the subject of the present  
plate, is remarkable for the length of its tail,  
which, between the two sexes, differs in length  
of one of a foot and half, and is the longest  
of any bird of the same size. It is a very  
noisy and loud species of bird, and is  
diverse in its feeding habits, and is a  
very common bird in the country.

# MADREPORA FASTIGIATA.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Animal* Medusa.

*Corallium* cavitatibus lamelloso-stellatis.

*Lin. Syst. Nat.*

## CHARACTER SPECIFICUS, &c.

Madrepora dichotoma subfastigiata, ramis subdistinctis, stellis omnibus terminalibus subregularibus ; annotinis compresso-duplicatis.

*Soland. et Ellis zooph. p. 152.*  
t. 33.

Madrepora fastigiata. M. caulescens rudis subdichotoma fastigiata, stellis extus decorticatis.

*Lin. Syst. Nat. p. 1280.*

*Seb. mus. t. 109. f. 1. t. 110.*  
f. 2. t. 116. f. 4.

---

Maria incolit Americana Madrepora fastigiata, cujus veram magnitudinem cernere est in tabula.



# MADREPORA FASTIGIATA

\*\*\*\*\*

## CHARACTER CLAVICUS

Animal Medusa.

Cerviculus cavitatis lanceolatus, stellatus.

Lam. Gen. Nov.

## CHARACTER SPECIFICUS

Madrepora dichotoma subfastigata, ramis sub-

distinctis, stellis omnibus terminatis sub-

regularibus; annulis compresso-dupli-

catis.

Seland. et Ellis. Voy. p. 122.

t. 22.

Madrepora fastigata, M. clavatus rubra.

dichotoma fastigata, stellis ceteris decem-

catis.

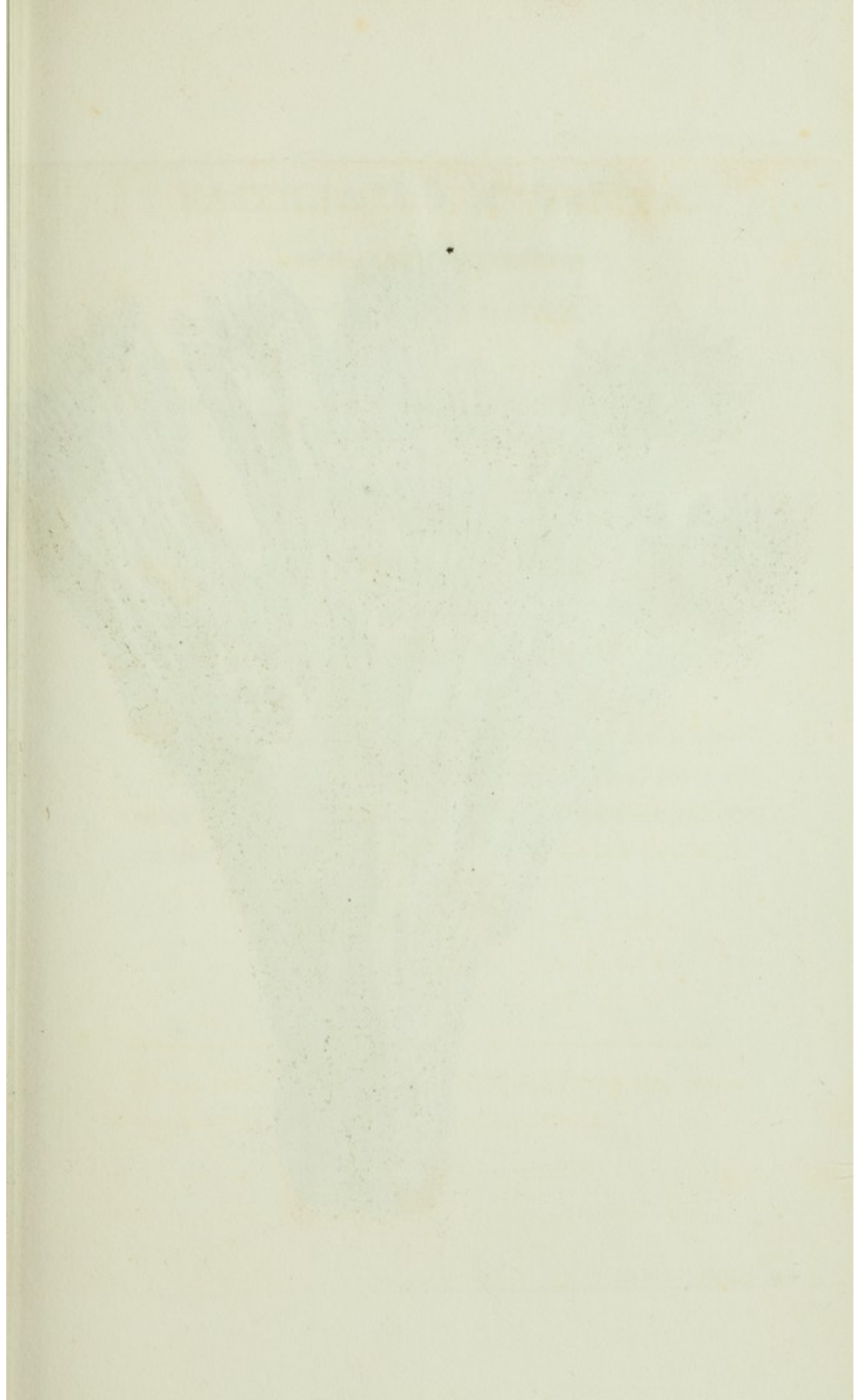
Lam. Gen. Nov. p. 1280.

Det. Mus. t. 100. f. 2. 1280.

f. 2. 1280. f. 2.

---

Maria facit a. m. d. c. lxxv. Madrepora fastigata, ceteris  
ut in magnitudine ceteris est in tabula.







## FASTIGIATED MADREPORE.

\*\*\*\*\*

### GENERIC CHARACTER.

*Animal* allied to a Medusa.

*Coral* marked by radiating lamellar cavities.

### SPECIFIC CHARACTER, &c.

Caulescent, rough, subdichotomous, fastigiated  
Madrepore, with outwardly decorticated  
stars.

*Seb. mus.* 3. pl. 109. f. 1. pl. 110.  
f. 3. pl. 116. f. 4.

---

The fastigiated Madrepore is a native of the American seas, and is represented on the plate in its natural size.



# FASTIGIATED MADRIPORE.

\*\*\*\*\*

GENERAL CHARACTER.

Annual, 2 to 4 ft. tall.

Corolla marked by radiating lines of white.

FRUIT AND SEEDS.

Carabaceous, tough, subglobose, 1-1.5 mm.

Markings, with brownish, darkened.

State.

2-3 mm. diam. 1-1.5 mm. high.

1-2 mm. diam.

---

The fastigiated Madripore is a native of the Andaman Islands, and is found in the hills of the island.

# HOLOCENTRUS SURINAMENSIS.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Habitus* generis Percæ.

*Opercula* squamosa, serrata, aculeata.

*Squamæ* (pluribus) duræ, asperæ.

## CHARACTER SPECIFICUS, &c.

Holocentrus subfuscus, nebulis subluteis, capite  
rubro, operculis anterioribus ciliato-spi-  
nosis.

Holocentrus Surinamensis. H. radiis quindecim  
in pinna ani.

*Bloch. ichth. 7. t. 263.*

---

Americæ australis aquas, præcipue Surinamenses  
incolit piscis in tabula depictus, magnitudine quasi  
Cyprini Carpionis.



# HOLOCENTRUS BURINAMENSIS.

\*\*\*\*\*

## CHARACTER GENERICUS.

Habitus generis Pavo.

Operculum adunatum, serratum, aculeatum.

Squamae (plumbeae) ovatae, asperae.

## CHARACTER SPECIFICUS, &c.

Holocentrus subnigricans, nebulis subulatis, capite

rubro, operculis anterioribus ciliato-spi-

nosus.

Holocentrus Burinamensis. H. radiis pinnarum

in pinna sup.

1844. A. N. S. 1. 203.

Amboise, ex parte aquae, prope Burinamensis

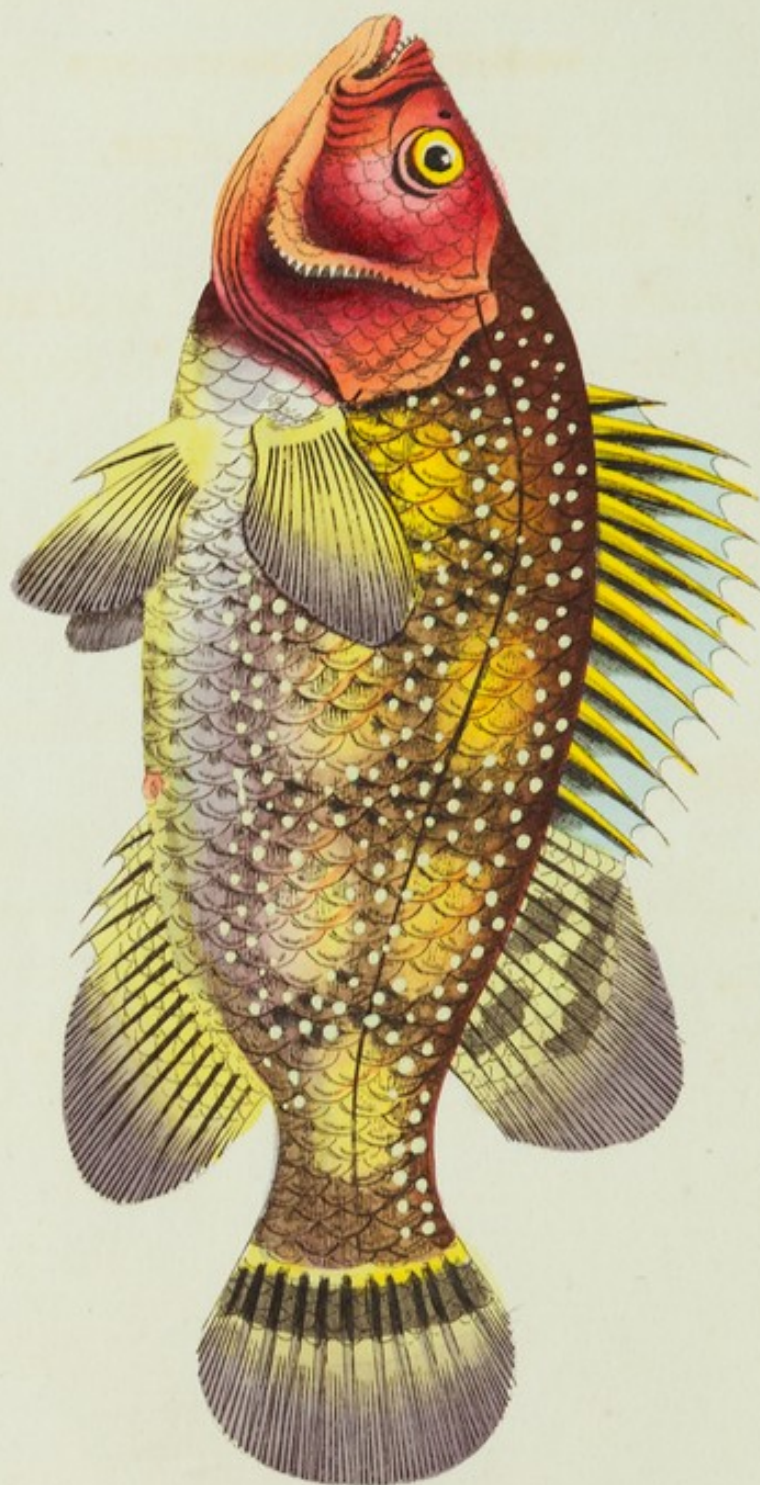
facile pinto in tabula depicta, magnitudine quasi

Cyprii Capensis.





~~off~~ 859.



THE  
SURINAM HOLOCENTRUS.

\*\*\*\*\*

GENERIC CHARACTER.

*Habit* of the genus *Perca*.

*Gill-covers* scaly, serrated, and aculeated.

*Scales* (in most species) hard and rough.

SPECIFIC CHARACTER, &c.

Brownish Holocentrus, with subluteous clouds,  
red head, and anterior gill-covers spine-  
ciliated.

Der Surinamsche Sogo.

*Bloch. ichth.* pl. 263.

---

The fish represented on the present plate is a native  
of the South American waters, and particularly those  
of Surinam. Its size is that of a common Carp.



THE

# SURINAM HOLOCENTRUS.

\*\*\*\*\*

## GENERIC CHARACTER.

Habit of the genus *Percus*.  
Gill-covers scaly, serrated, and scutellated.  
Scales (in most species) hard and rough.

## SPECIFIC CHARACTER. &c.

Brownish H. *holocentrus*, with siliceous clouds  
red head, and anterior gill-covers spine-  
ciliated.

*Der Surinamische Percus*.  
Bonn. *Monat.* pl. 203.

---

The fish is present in the present state is a native  
of the South American waters, and particularly those  
of Surinam, where it is one of the commonest.

## SPHINX CELERIO.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Antennæ* subprismaticæ, utroque fine attenuatæ.

*Lingua* exserta (plerisque).

*Palpi* duo reflexi.

*Alæ* deflexæ.

*Lin. Syst. Nat. Gmel.*

### CHARACTER SPECIFICUS, &c.

*Sphinx fusca*, alis superioribus albo-striatis, inferioribus rubris venis nigris.

*Sphinx Celerio*. S. alis integris griseis lineola albo-nigra; inferioribus basi rubris maculis sex.

*Lin. Syst. Nat. p. 800.*

*Sphinx* alis griseis striis albis, posterioribus fuscis maculis sex rubris.

*Fabr. sp. ins. 2. p. 151.*

---

In variis Europæ australis partibus generatur elegans insectum quod in tabula depingitur. Depascitur larva præcipue vitis folia: hujus magnitudinem naturalem nec non chrysalidis et insecti perfecti in tabula nostra depingi curavimus.



SPHINX CILICIA

CHRISTIAN GÖTTSCHE

1. *Sphinx excelsa* (Pieridae).  
2. *Sphinx excelsa* (Pieridae).  
3. *Sphinx excelsa* (Pieridae).

4. *Sphinx excelsa* (Pieridae).

5. *Sphinx excelsa* (Pieridae).

6. *Sphinx excelsa* (Pieridae).  
7. *Sphinx excelsa* (Pieridae).

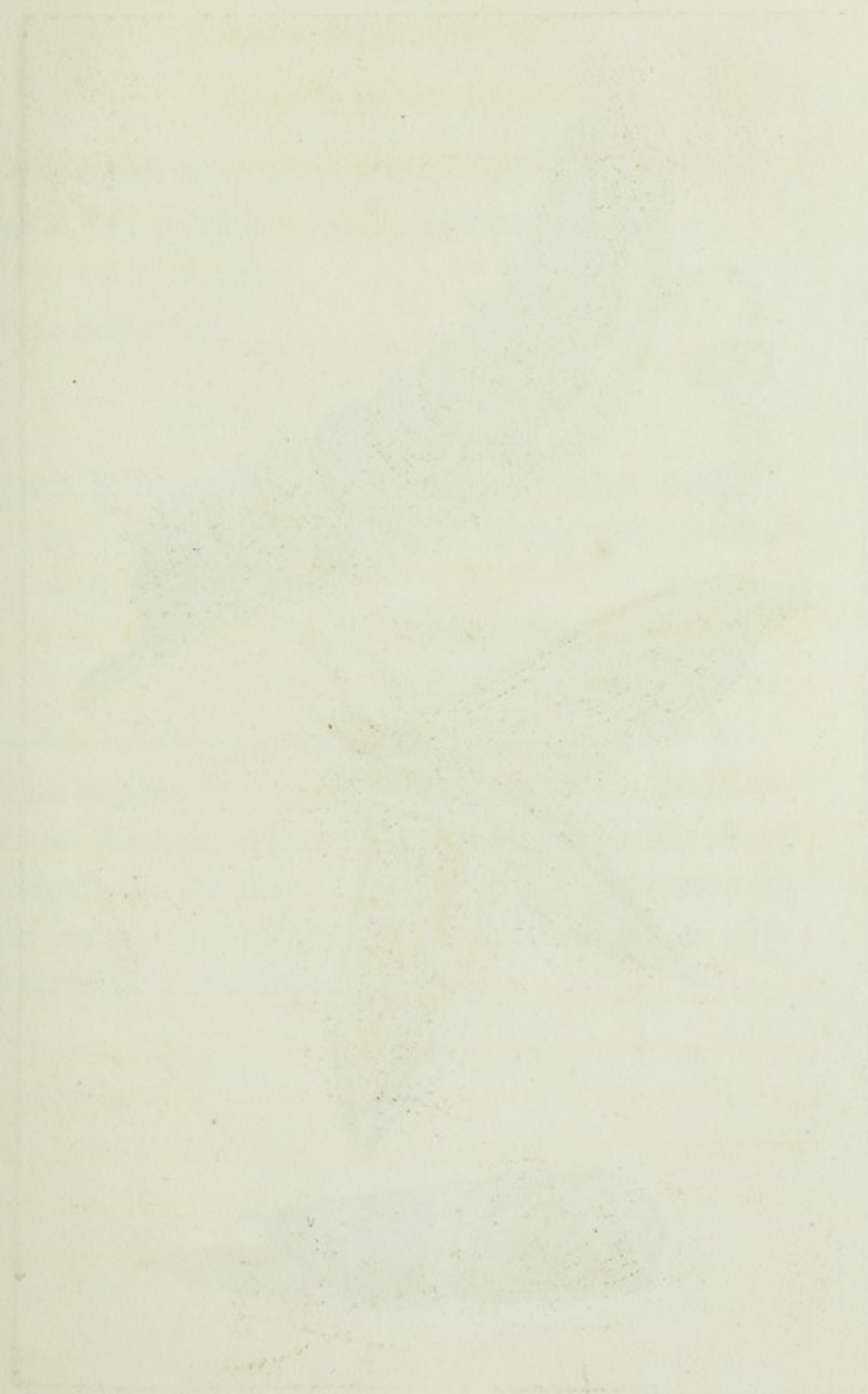
8. *Sphinx excelsa* (Pieridae).  
9. *Sphinx excelsa* (Pieridae).

10. *Sphinx excelsa* (Pieridae).

11. *Sphinx excelsa* (Pieridae).  
12. *Sphinx excelsa* (Pieridae).

13. *Sphinx excelsa* (Pieridae).

In vasis Europae australis partibus generatim cligat  
insectum quod in tabula designatur. In partibus  
hincque etiam solus: huius magnitudinem naturalem  
nec non coloranda et huius perfecti in tabula  
designatur.







## CELERIO.

\*\*\*\*\*

### GENERIC CHARACTER.

*Antennæ* subprismatic, attenuated at each end.

*Tongue* (in most species) exserted.

*Feelers* two, reflex.

*Wings* deflected.

### SPECIFIC CHARACTER, &c.

Brown Sphinx, with the upper wings marked by white streaks; the lower wings red with black veins.

*Roes. ins.* 4. pl. 8.

*Frisch ins.* 13. pl. 1.

---

This elegant Sphinx inhabits many of the Southern parts of Europe, where its larva or caterpillar feeds principally on the leaves of the vine. It is represented in its natural size on the annexed plate, together with the chrysalis and complete Insect.



# GILLERIO.

\*\*\*\*\*

## GENERIC CHARACTER.

Antennae subcylindrical, attenuated at each end.  
Tongue (in most species) exserted.  
Palpi two, velvety.  
Wings deflexed.

## SPECIFIC CHARACTER.

Brown Sphinx with the upper wings marked  
by white streaks; the lower wings red  
with black veins.

Rees. Nat. Hist. 8.  
Fabric. Nat. Hist. 1.

This elegant Sphinx inhabits many of the Southern  
parts of Europe, where its larva or caterpillar feeds  
principally on the leaves of the vine. It is represented  
in its natural size on the annexed plate, together with  
the chrysalis and complete larva.

## MOMOTA BRASILIENSIS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Rostrum* validum, incurvatum, lateribus dentatum.

*Nares* tectæ.

*Lingua* pennacea.

*Cauda* cuneiformis.

*Pedes* gressorii.

*Lath. ind. orn.* p. 140.

### CHARACTER SPECIFICUS, &c.

*Momota* viridis, subtus gilva, vertice cæruleo macula nigra, rectricibus duabus mediis elongatis.

*Ramphastos Momota*. *R.* pedibus gressoriis, rectricibus duabus intimis medio denudatis.

*Lin. Syst. Nat.*

*Momotus brasiliensis*. *M.* viridis, fronte cæruleo-viridi, occipite violaceo, vertice et striga per oculos nigris, rectricibus duabus intermediis longioribus.

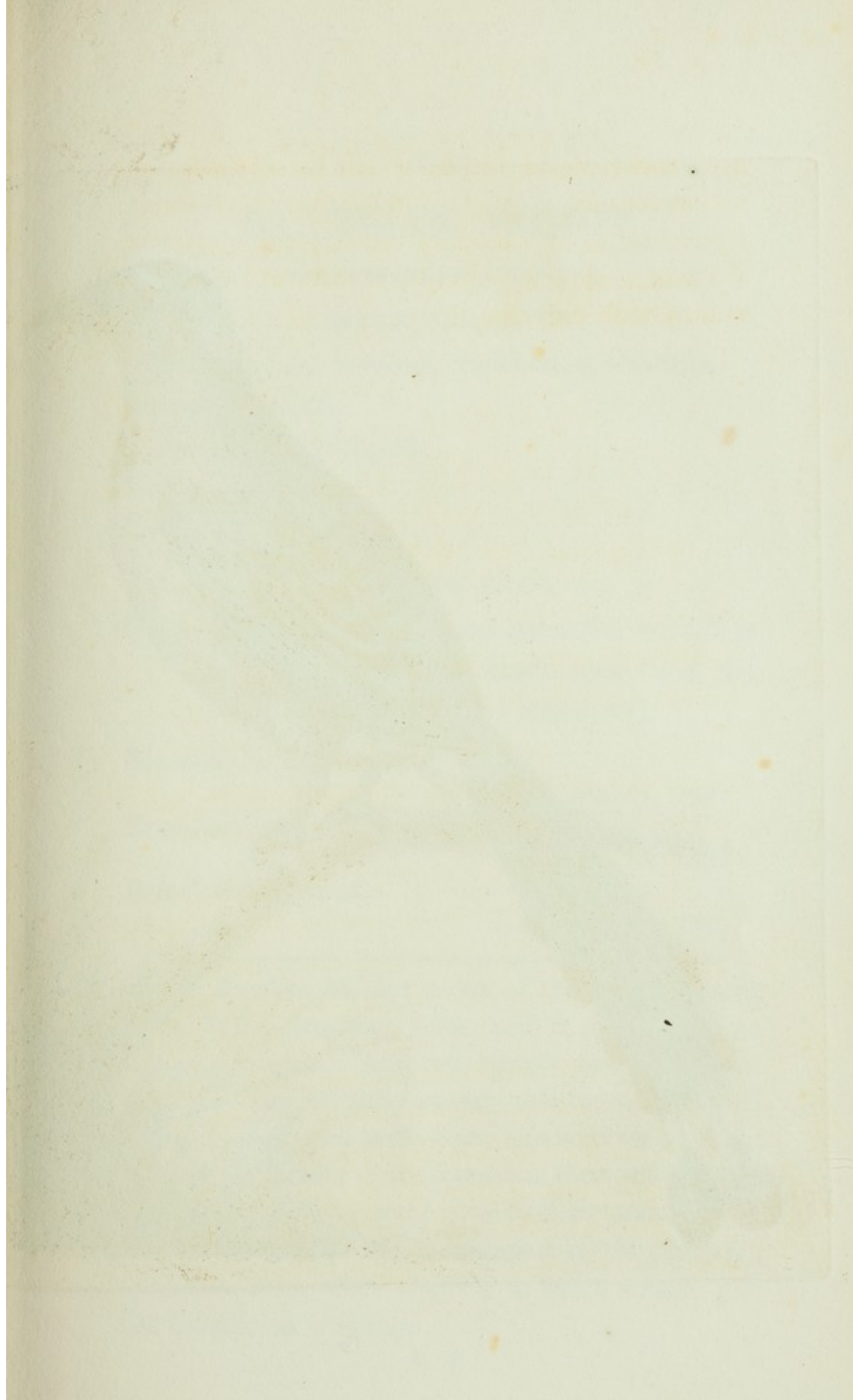
*Lath. ind. orn.* p. 140.

---

Inter aves quas generat America australis eminet pulchritudine *Momota Brasiliensis*, corvo *Picæ* Linnaei magnitudine fere par. Rectrices duæ intermediæ prope apicem nudantur, ut plurimum, utrinque plu-



mis : cave tamen credas ita se rem habere constanti  
naturæ consilio, si pennæ integræ fuerint et illæsæ ;  
reperiuntur enim specimina cauda plene plumigera ;  
sed casu nescio quo sæpius fit ut nuda sit ista pars, et  
nullis plumis cooperta.









THE  
BRASILIAN MOMOT.

\*\*\*\*\*

GENERIC CHARACTER.

*Bill* strong, incurvated, toothed at the sides.

*Nostrils* covered.

*Tongue* feather-shaped.

*Tail* cuneiform.

*Feet* gressorial.

SPECIFIC CHARACTER, &c.

Green Momot, buff-coloured beneath ; with blue crown marked by a black spot, and the two middle tail-feathers elongated.

Momot.

*Will. orn.* p. 298.

Brazilian saw-billed Roller.

*Edw.* pl. 328.

Brazilian Motmot.

*Lath. syn.* p. 338.

---

The Brazilian Momot is one of the most beautiful of the South-American birds, and is nearly equal in size to a Magpie. The two middle tail-feathers are generally bare of webs on each side towards the end, being again plumed at the tips : this however is not the genuine appearance of the feathers in their perfect state, but rather owing to some accidental circumstance occasionally taking place in that part of the plumage ; specimens being often observed in which no such partial denudation is visible.



THE

# BRASILIAN MOMOT.

CHARACTERISTICS.

GENERAL CHARACTER.

Brilliant, incandescent, toothed at the sides.

Incandescent.

Incandescent.

Incandescent.

Incandescent.

Incandescent.

On the sides of the head, beneath the blue.

On the sides of the head, beneath the blue.

On the sides of the head, beneath the blue.

On the sides of the head, beneath the blue.

On the sides of the head, beneath the blue.

On the sides of the head, beneath the blue.

On the sides of the head, beneath the blue.

On the sides of the head, beneath the blue.

On the sides of the head, beneath the blue.

On the sides of the head, beneath the blue.

On the sides of the head, beneath the blue.

On the sides of the head, beneath the blue.

On the sides of the head, beneath the blue.

On the sides of the head, beneath the blue.

On the sides of the head, beneath the blue.

On the sides of the head, beneath the blue.

On the sides of the head, beneath the blue.

On the sides of the head, beneath the blue.

## PAPILIO IRIS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Antennæ* apicem versus crassiores, sæpius clavato-capitatæ.

*Alæ* (sedentis) erectæ sursumque conniventes (volatu diurno).

*Lin. Syst. Nat.*

### CHARACTER SPECIFICUS, &c.

Papilio alis subdentatis fuscis cæruleo-versicoloribus, fascia interrupta alba.

Papilio Iris. P. alis subdentatis subtus griseis; fascia utrinque alba interrupta; posticis supra uniocellatis.

*Lin. Syst. Nat.*

*Roes. ins.* 3. t. 42.

*Esp. pap.* 1. t. 11. f. 1.

---

In lepidopteris Britannicis pulcherrimus et fere rarissimus est Papilio Iris, qui splendide versicolor alas habet nunc fusco-nigrantes, nunc, pro variata luce, nitidissime purpureo cæruleas. Depascitur larva folia præcipue populea et querna; mense Junio in chrysalidem convertitur, unde insequente Julio erumpit ipse Papilio.



# PAPILIO IRIS.

—————

## CHARACTER GENERALIS.

Alarum apicem versus crassiores, apicis clausura capitate.  
Alae (sedentis) erectae sursumque conniventes  
(volanti divaricae).

Lin. Sm. Nat.

## CHARACTER SPECIFICUS, &c.

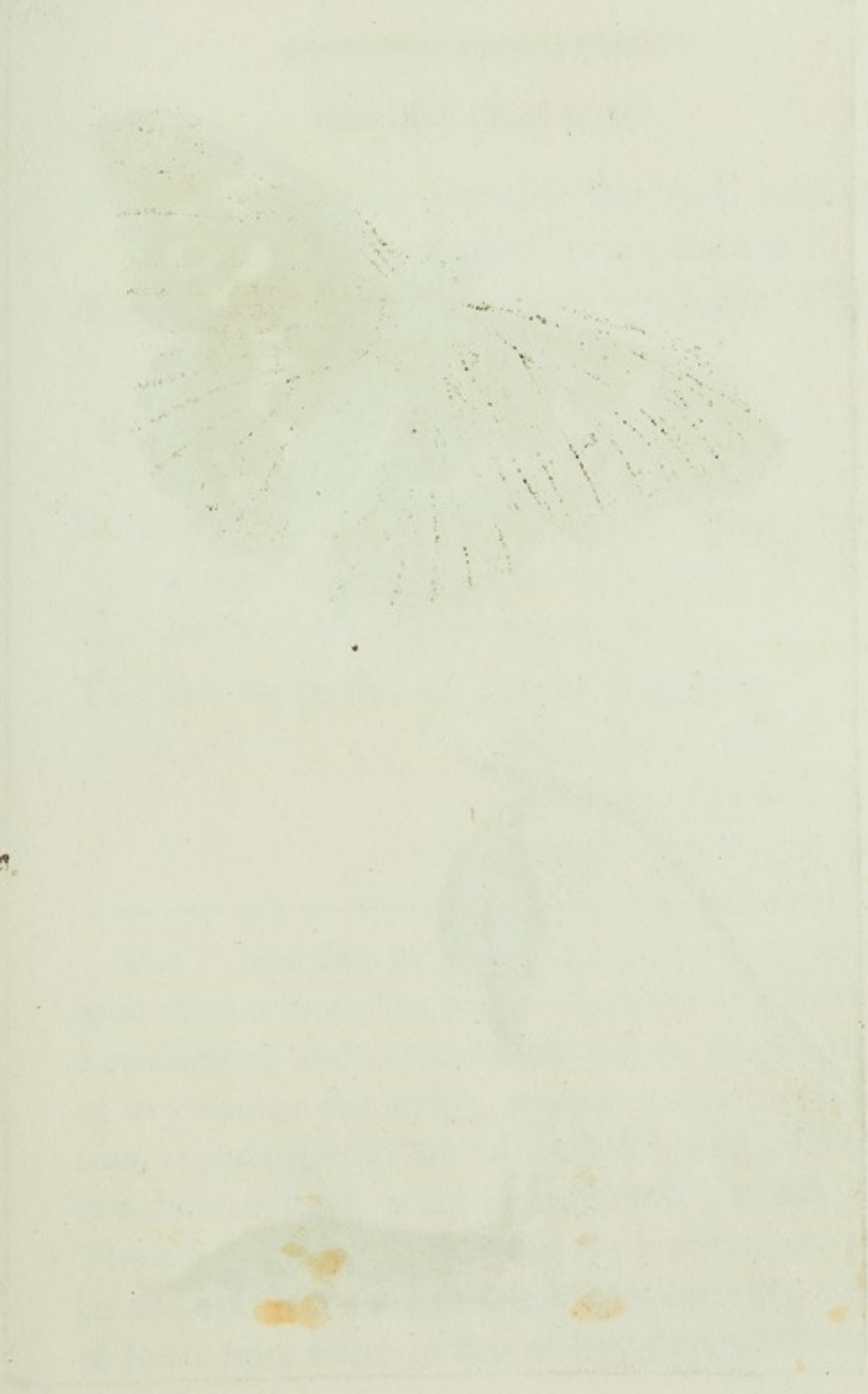
Papilio alis subdentatis fasciis cruribus-ventralibus  
coloribus, fasciis interruptis albis.  
Papilio Iris. P. alis subdentatis subus griseis;  
fasciis cruribus albis interruptis; postica  
subus unicoloribus.

Lin. Sm. Nat.

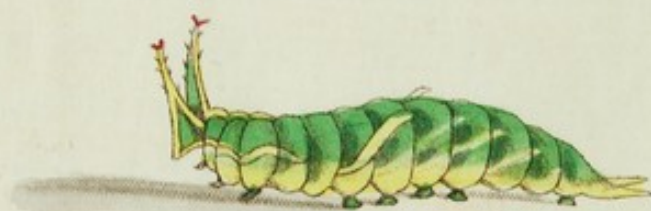
Rev. ed. 3. p. 43.

Exp. Pap. 1. p. 11. f. 1.

In Lepidopteris Heliconiis postremus et huius generis  
similis est Papilio Iris, qui splanchnis ventralibus  
per hanc fascio-nigram, nunc pro variis partibus  
cassine purpureo cruribus. Depressum latera Iris  
cognoscitur et pectus; tamen Iris in corpore  
convertitur, unde speculante Iris cognoscitur  
pilio.







## IRIS.

\*\*\*\*\*

### GENERIC CHARACTER.

*Antennæ* thickening towards the end, and generally terminating in a clavated tip.

*Wings* (when at rest) meeting upwards. Flight diurnal.

### SPECIFIC CHARACTER, &c.

Butterfly with subdenticulated deep-brown wings, with a changeable gloss of blue, and an interrupted white band.

The Iris Butterfly, or Purple Emperor.

*Harr. avel.* pl. 3.

*Sulzer ins.* t. 14. f. 6.

*Schaeff. icon.* t. 52.

---

The *Papilio Iris* or Purple Emperor is one of the most elegant as well as one of the rarest of the British *Lepidoptera*, and is remarkable for the varying lustre of its colours; the wings, when viewed in one direction, appearing of a dark or blackish brown, and when in a different light, of the most splendid purplish blue. The caterpillar feeds chiefly on the leaves of the poplar and oak, and changes into a chrysalis in the month of June, from which in that of July emerges the complete insect.



\*\*\*\*\*

GERMAN CHARACTER

As soon as I began to write, the end, and go  
 to the end, in a word, in a word, in a word,  
 I began to write, in a word, in a word, in a word,  
 and so on, and so on, and so on, and so on.

As soon as I began to write, the end, and go  
 to the end, in a word, in a word, in a word,  
 I began to write, in a word, in a word, in a word,  
 and so on, and so on, and so on, and so on.

The English, the French, the German, the Italian,  
 the Spanish, the Portuguese, the Dutch, the  
 the English, the French, the German, the Italian,  
 the Spanish, the Portuguese, the Dutch, the  
 the English, the French, the German, the Italian,  
 the Spanish, the Portuguese, the Dutch, the

## PEGASUS DRACO.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Rostrum* elongatum. Os sub rostro.

*Pinnæ pectorales* amplæ : *ventrales* uniradiatæ.

*Corpus* depressum, cataphractum, abdomine osseis incisuris articulatum.

*Gen. Zool.* 5.

### CHARACTER SPECIFICUS, &c.

*Pegasus* thorace subtetragono, humeris prominentibus, abdomine brevi.

*Gen. Zool.* 5. p. 461.

*Pegasus draconis.* P. rostro conico.

*Lin. Syst. Nat.*

*Cataphractus* corpore tetragono, brevi, scabro.

*Gronov. zoophylac.*

*Pegasus* corpore lato tetragonoque.

*Bloch ichth.* t. 209.

---

In maribus Indicis præcipue conspicitur *Pegasus Draco*, cujus veram magnitudinem cernere est in tabula.



# THOMAS BRACO

CHURCHMAN OF THE CHURCH

CHURCHMAN OF THE CHURCH

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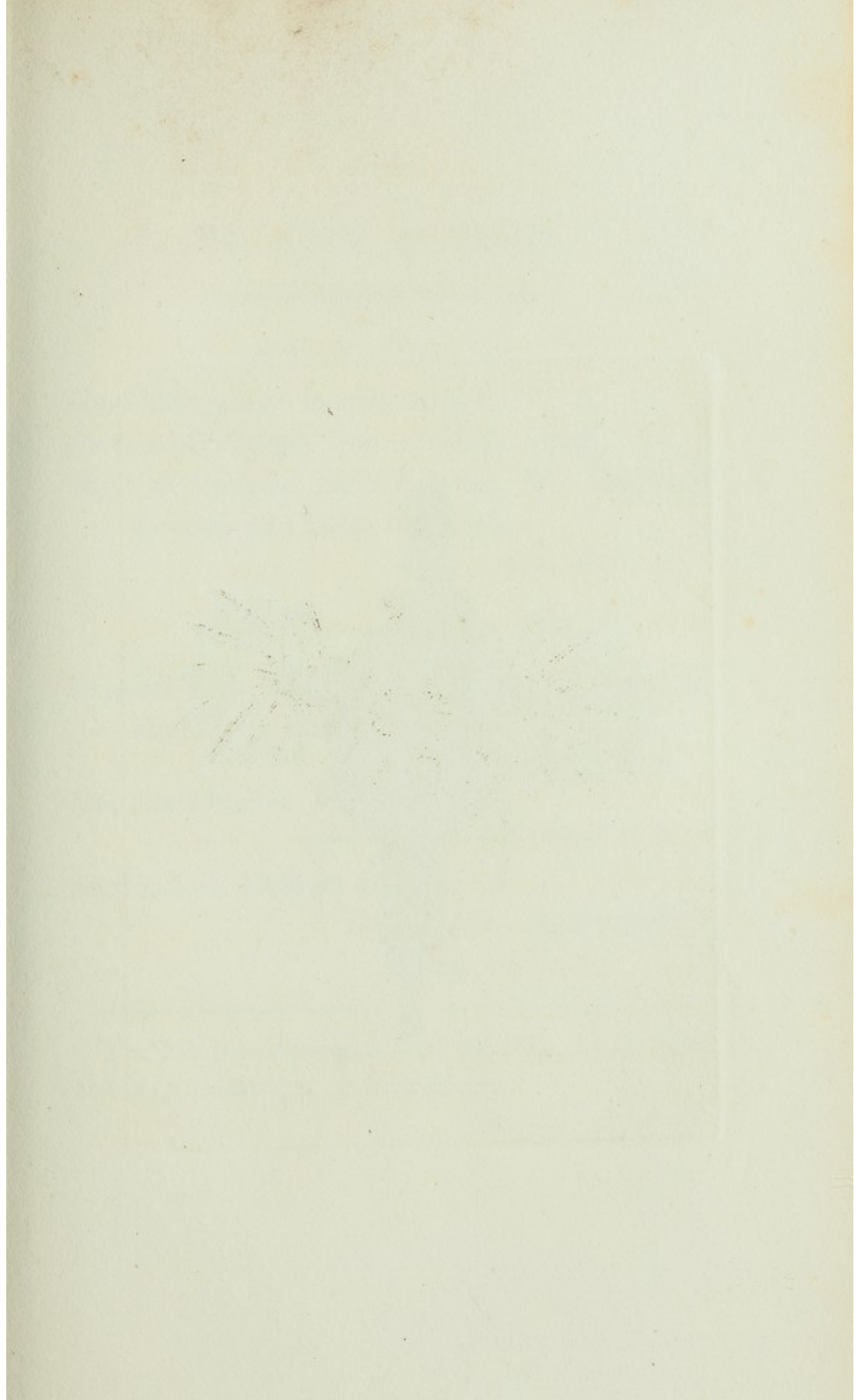
CHURCHMAN OF THE CHURCH

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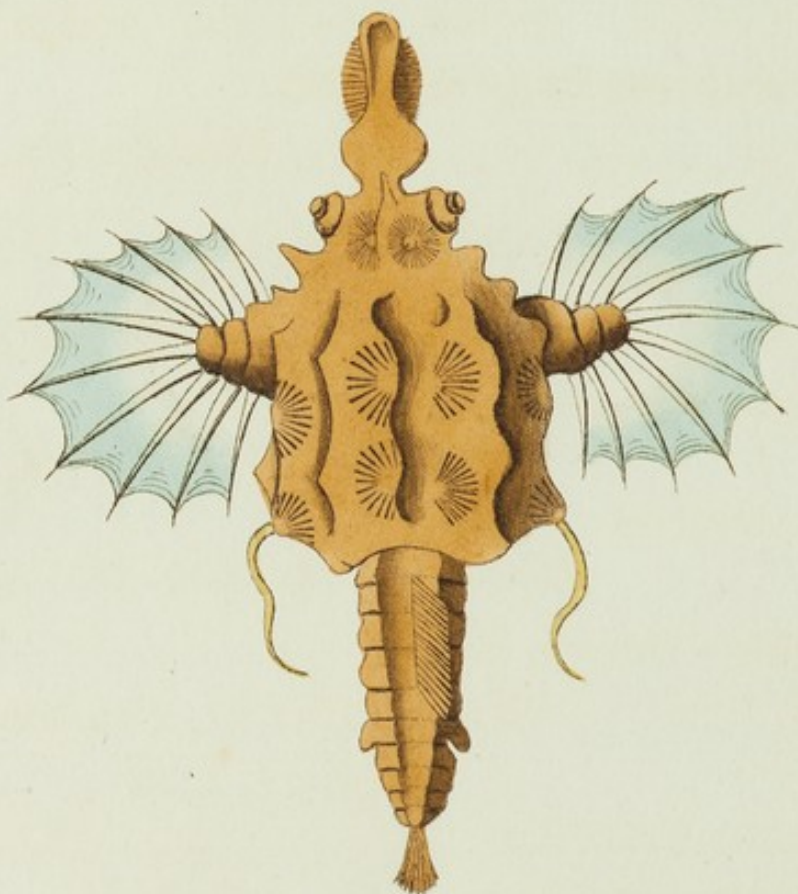
CHURCHMAN OF THE CHURCH

CHURCHMAN OF THE CHURCH

In manus lacus presens conuenit Regis  
Dico, esse vultu regem inuenit Regis  
tabula.







*R. m. Laddm. Del. et Sculp.*

THE  
DRAGON PEGASUS.

\*\*\*\*\*

GENERIC CHARACTER.

*Snout* elongated, mouth beneath.

*Pectoral fins* large; *ventral* single-rayed.

*Body* depressed, mailed, with the abdomen  
divided into bony segments.

*Gen. Zool.* 5.

SPECIFIC CHARACTER, &c.

Pegasus with subtetragonal thorax, prominent  
shoulders, and short abdomen.

*Gen. Zool.* 5.

Der See Drache.

*Bloch. ichth.* pl. 109. f. 1. 2.

Seedrackje, Dragon de mer.

*Renard Hist. des Poissons.*

2. pl. 11. f. 52.

---

The fish here figured is a native of the Indian seas,  
and is represented in its natural size.



THE

# DRAGON PEGASUS.

—————

GENERIC CHARACTER.

Head elongated, snout pointed.

Petals four large; viewed single-rayed.

Body depressed, mailed, with the abdomen

divided into four segments.

Gen. Zool. v.

with the following

Petals with submarginated lobes, prominent

abdomen, and short antennae.

Gen. Zool. v.

Der See Drache.

Blau. Fisch. p. 100. t. 1. 2.

See also, Dragon de mer.

Reuss. Hist. des Poiss.

p. 11. f. 53.

---

The fish here figured is a native of the Indian sea,  
and is represented in its natural size.

# RANA TEMPORARIA.

*Var. rubra.*

\*\*\*\*\*

## CHARACTER GENERICUS.

*Corpus* tetrapodum, ecaudatum, nudum.

*Lin. Syst. Nat.*

## CHARACTER SPECIFICUS, &c.

Rana temporaria. R. fusco-flavescens, nigro  
maculata, macula suboculari elongata  
fusca.

*Gen. Zool. 3. p. 97.*

Rana temporaria.

*Lin. Syst. Nat.*

## VAR.

Rana rubra, subtus flava rubro varia, macula  
suboculari elongata fusca.

---

Elegantem ranæ vulgaris seu temporariæ varietatem  
depingi curavimus, interdum verno tempore, rarius in  
autumno visam. Primus eam descripsisse videtur  
celeberrimus Roeselius.



# RANA TEMPORARIA

Var. rubra.

\*\*\*\*\*

CHARACTER GENERICUS.

Corpus tetrapodum, scandatum, nudum.

Lim. brev. Nat.

CHARACTER SPECIFICUS, &c.

Rana temporaria, R. fusco-flavescens, nigro

maculata, macula suboculari elongata

fusca.

Gen. Zool. v. p. 67.

Rana temporaria.

Lim. Zool. Nat.

VAR.

Rana rubra, sordida flavo rubrovires, macula

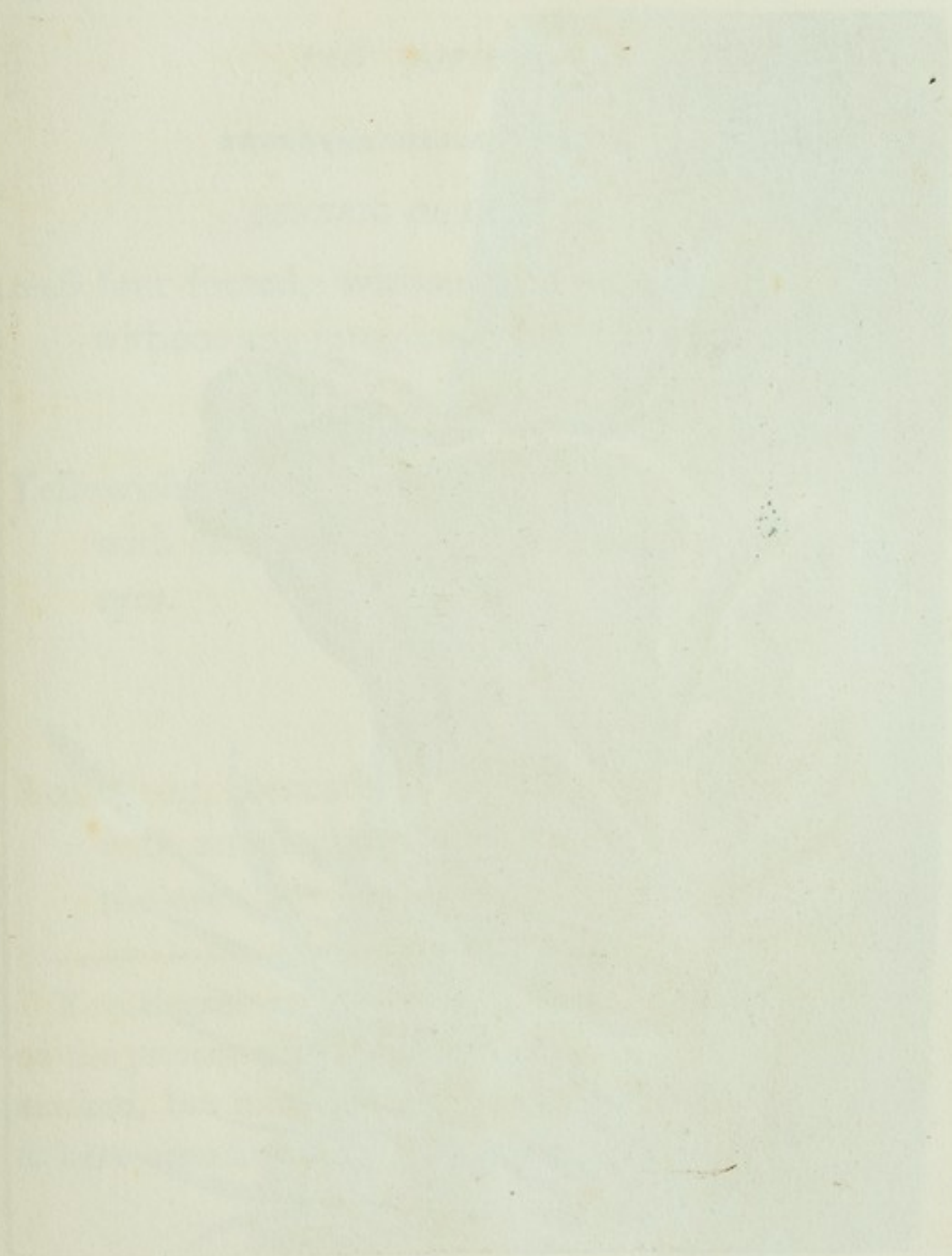
suboculari elongata fusca.

Elegantem tamen vulgarem esse temporariam indicat

descriptio eorumque, interduo vero temporaria, tamen in

autumno virescens. Pinnas cum descriptione videtur

celeberrimus Roscellus.









THE  
COMMON FROG.

*red variety.*

\*\*\*\*\*

GENERIC CHARACTER.

*Body* four-footed, without tail, and naked, or without any integument but the skin.

SPECIFIC CHARACTER, &c.

Yellowish-brown Frog, spotted with black, with elongated brown patch beneath the eyes.

*Gen. Zool.* 3. p. 97.

VAR.

Red Frog, beneath yellow varied with red, with an elongated brown patch beneath the eyes.

---

This elegant variety of the common Frog exhibited on the present plate is occasionally seen in spring and autumn, but more frequently in the former. It seems to have been first described and figured by Roesel.



# COMMON FROG

Red variety

\*\*\*\*\*

CHARACTERISTICS

Body four-fingered, without tail, and naked, except  
without any integument but the skin.

RELATIVE MEASUREMENTS

Yellowish-brown frog, spotted with black,  
with elongated brown patches beneath the

eyes

Gen. No. 2, p. 22.

Red frog, beneath brown spots with red  
with an elongated brown patch beneath  
the eyes.

This elegant variety of the Common Frog exhibited  
on the present day, is not only seen in every  
stream, but more frequently in the ponds. It was  
first seen here first described and figured by Rees.

## CERTHIA SUPERBA.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Rostrum* arcuatum, tenue, acutum.

*Lingua* variis varia.

*Pedes* ambulatorii.

*Cauda* pennis duodecim.

*Lath. ind. orn.*

### CHARACTER SPECIFICUS, &c.

*Certhia* aureo-viridis, alis caudaque fuscis, gula  
violacea aureo-fasciata, pectore abdomine-  
que phoeniceis.

Le Sougnimbindou.

*Aud. et Viell. Certh. t. 22.*

---

Rara et pulchra est *Certhiæ* species quam ostendit tabula, nec ulli cedit congenerum splendore et elegantia colorum. Depicta primum et descripta fuisse videtur in opere magnifico Audebertii et Vielloti, quibuscum specimen tum temporis in Galliam illatum communicavit Perreinus. Africana est *Certhia* superba, innata nempe in Malimba. Vera magnitudo in tabula exprimitur.



# CERTINA SUPERBA

Warranted Genuine

CHARACTER CERTIFICATE

Between the undersigned, the

Large vessel of the

Port of London

And the undersigned

Large vessel of the

Port of London

And the undersigned

Large vessel of the

Port of London

And the undersigned

Large vessel of the

Port of London

And the undersigned

Large vessel of the

Port of London

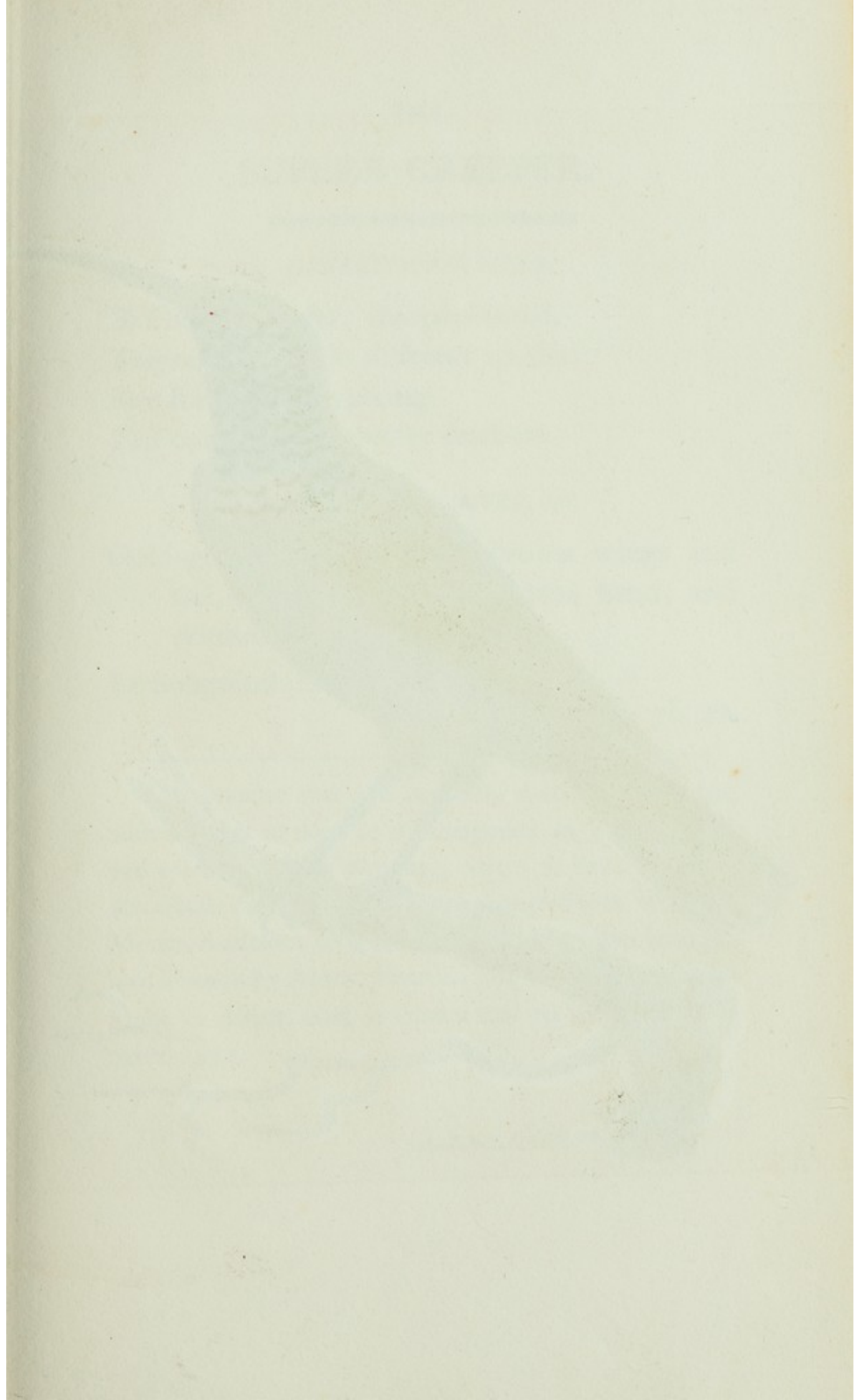
And the undersigned

Large vessel of the

Port of London

And the undersigned

Large vessel of the







R. P. Nodder. Del. & Sculpt.

THE  
SUPERB CREEPER.

\*\*\*\*\*

GENERIC CHARACTER.

*Bill* bent, slender, sharp-pointed.  
*Tongue* differing in different species.  
*Feet* formed for walking.  
*Tail* consisting of twelve feathers.

SPECIFIC CHARACTER, &c.

Gold-green Creeper, with brown wings and tail, violet throat with golden band, and crimson breast and abdomen.

Le Sougnimbindou.

*Viell. et Aud. Certh. pl. 22.*

---

The present rare and beautiful species of *Certhia*, which yields to none of its congeners in the elegance and splendor of its plumage, seems to have been first described and figured in the magnificent work of Messrs. Audebert and Vieillot, from a specimen brought into France by Mons. Perrein. It is a native of Malimba in Africa, and is represented on the plate in its natural size.





## GRYLLUS SERRATUS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Caput* inflexum, maxillosum, palpis instructum.

*Antennæ* setacæ seu filiformes.

*Alæ* quatuor, deflexæ, convolutæ; inferiores plicatæ.

*Pedes* postici saltatorii. Ungues ubique bini.

*Lin. Syst. Nat.*

### CHARACTER SPECIFICUS, &c.

*Gryllus viridis*, thorace compresso serrato, abdomine cæruleo.

*Gryllus serratus*. G. thorace cymbiformi carinato denticulato, capite acuminato, abdomine cæruleo.

*Lin. Syst. Nat.*

---

In Africa inferiori generatus *Gryllus serratus* frequentat promontorium quod *Bonæ spei* dicitur. In operibus celeberrimi Roeselii eleganter depictus est, antennis tamen nimis longis et gracilibus; quod vitium in icone hac nostra, quæ veram exhibet insecti magnitudinem, emendari curavimus.



# GRYLLOUS-SEKURATUS.

## CHARACTER GRYPHUS.

Caput inflexum, maxillorum palpis instructum.  
Antennae setaceae seu filiformes.  
Alae quatuor, deflexae, connatae; intermediae  
plicate.

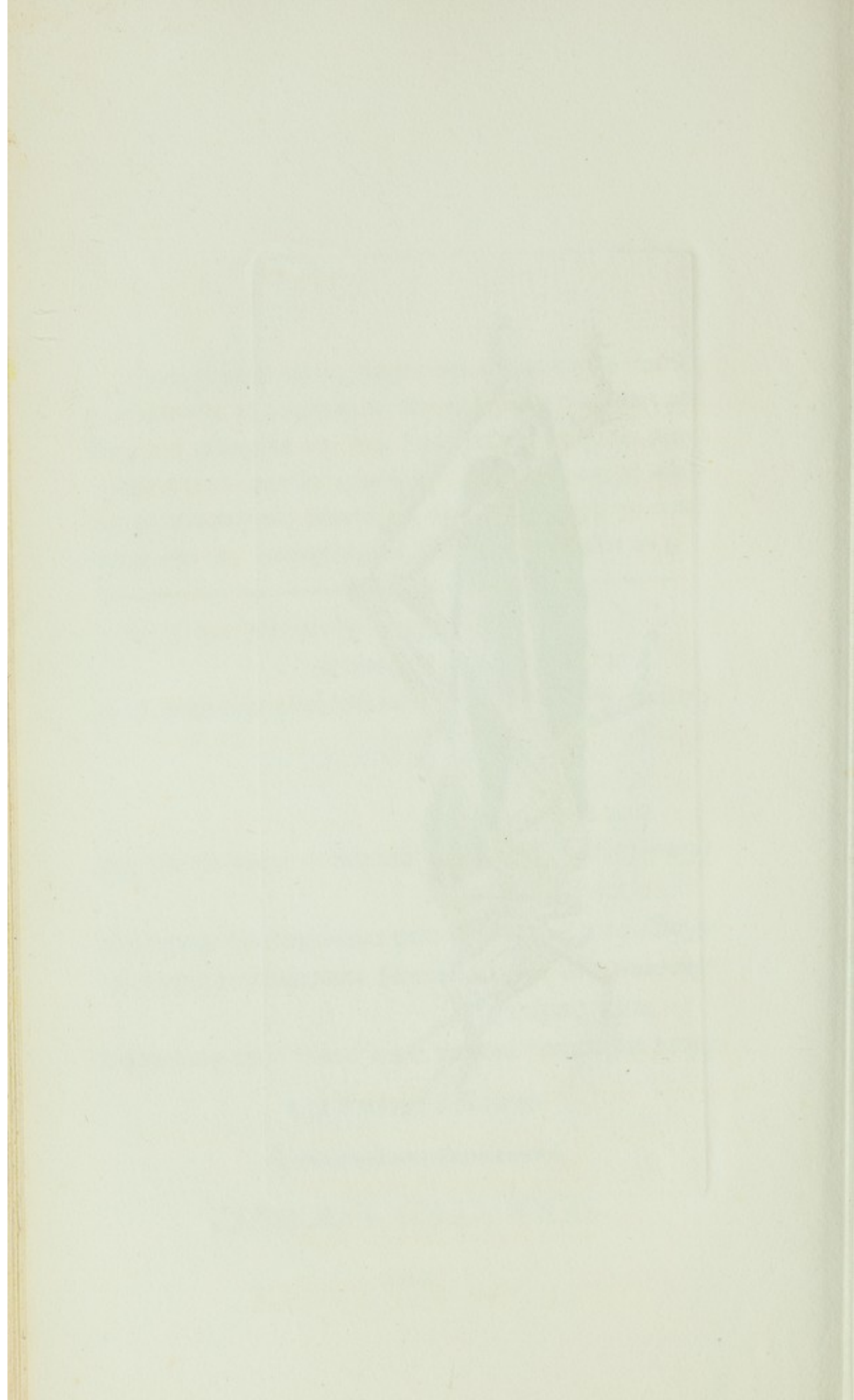
Pedes postici saltatorii. Ungues nigrescentes.  
Laevis, fuscus, niger.

## CHARACTER GRYPHUS.

Caput viride, thorax compresso, setato, ab-  
domen carinatum.  
Gryllus setosus. O. thorax cyathiformi car-  
nato dentatissimo, capite acuminato, abdo-  
mine trilineato.

Laevis, fuscus, niger.

In Africa inflexio generis Gryllus notanda est.  
Quodae promontoria quod hinc per dicitur, in  
virescentia celebrantur. Rostri elegantia distincta est.  
Sed tamen tamen hinc longis et gracilibus, quod videntur  
in hoc hac notum, quod videntur exhibet insecti magis  
nitidum, candidum, curvum.







THE  
SERRATED LOCUST.

\*\*\*\*\*

GENERIC CHARACTER.

*Head* inflected, armed with jaws, and furnished with feelers.

*Antennæ* (in most species) setaceous or filiform.

*Wings* four, deflected and convoluted; the lower ones pleated.

*Hind-Legs* formed for leaping: claws on all the feet two.

SPECIFIC CHARACTER, &c.

Green Locust, with compressed serrated thorax, and green abdomen.

*Roes. Gryll. pl. 16. f. 2.*

---

The serrated Locust is an inhabitant of the lower parts of Africa, and by no means uncommon at the Cape of Good Hope. It is well figured in the admirable work of Roesel, but with the antennæ too long and slender; a fault which is rectified in the annexed figure, which shews the animal in its natural size.



THE

# SEPARATED LOCUST

=====

## GENERIC CHARACTER.

Head inflexed, armed with jaws, and furnished with feelers.

Thorax (an insect species) ectodermic or rhynchodermic, divided into three segments; the lower ones are small.

Wings, four, divided into three segments; the lower ones are small.

Abdomen, divided into three segments; the lower ones are small.

Legs, six, divided into three segments; the lower ones are small.

Antennae, two, divided into three segments; the lower ones are small.

Genitalia, two, divided into three segments; the lower ones are small.

Reproductive system, two, divided into three segments; the lower ones are small.

Excretory system, two, divided into three segments; the lower ones are small.

Respiratory system, two, divided into three segments; the lower ones are small.

## SPARUS TRIMACULATUS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Dentes* validi : *primores* in aliis ordine simplici, in aliis duplici, triplici, vel quadruplici dispositi.

*Molares* (plerisque) validi, convexi, læves, in series dispositi, et quasi pavementum in ore efformantes.

*Labia* crassa : *Opercula* mutica, squamosa.

*Gen. Zool.* 6. p. 402.

### CHARACTER SPECIFICUS, &c.

*Sparus* flavescens, fasciis transversis ferrugineis bifidis, corpore utrinque maculis tribus fuscis.

*Sparus* Surinamensis. *S.* aculeis quindecim dorsalibus, linea laterali interrupta.

*Bloch. ichth.* 8. t. 277. f. 2.

---

Maria incolit Americana *Sparus trimaculatus*, et magnitudine vera in tabula exprimitur.



# SPARUS TRIMACULATUS.

\*\*\*\*\*

## CHARACTER GRÆVICUS.

Dentes validi : primæ in alio ordine simpliciter,  
in alio duplici, triplici, vel quadruplici dis-  
positi.

Operculum (plerique) validi, convexi, læves, in  
serie dispositi, et quasi pavimentum in ore  
efformantes.

Radius crassus : Operculum molle, spatulosum.

Gen. Zool. G. p. 402.

## CHARACTER SPECIFICUS, &c.

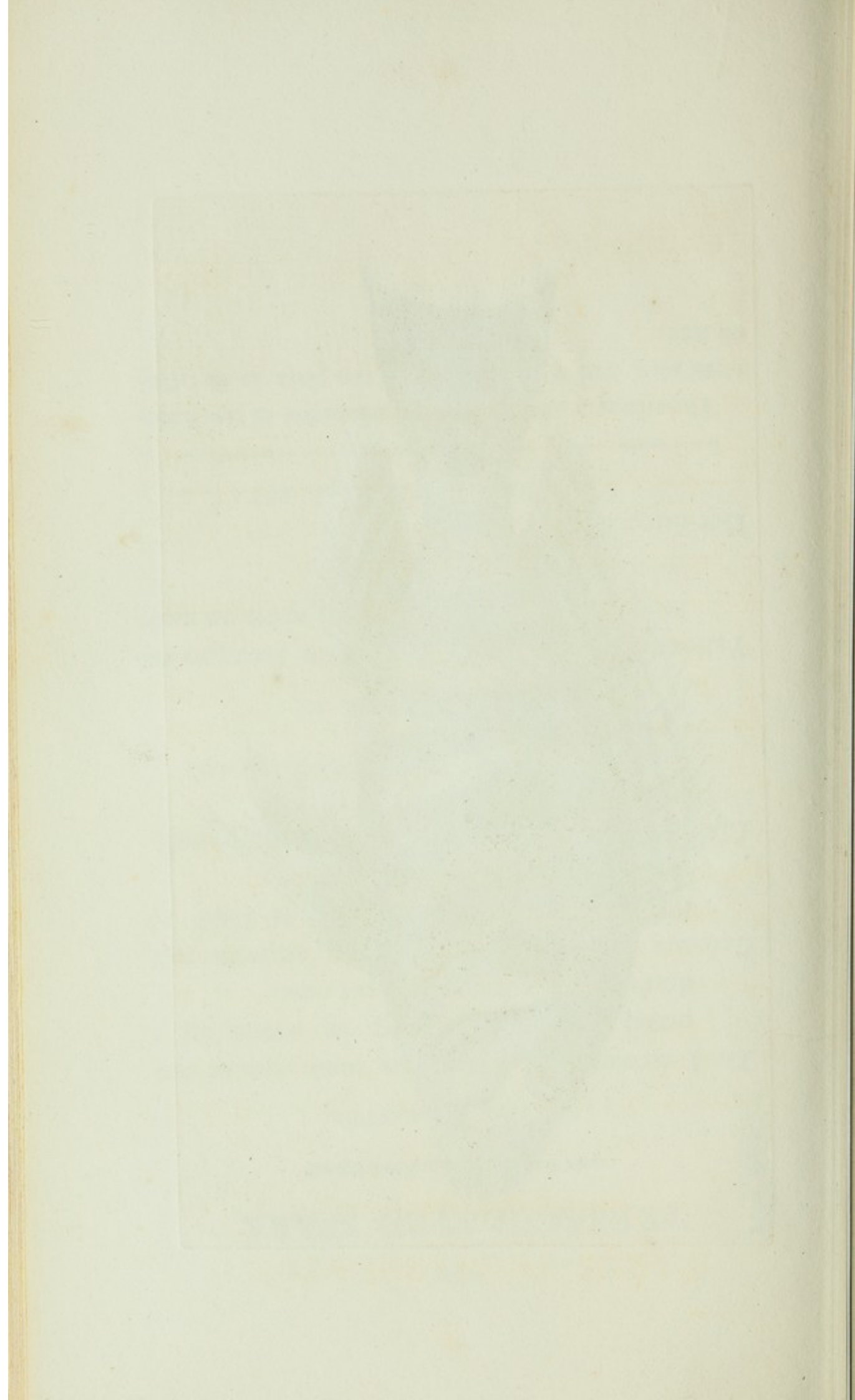
Sparus lævescens, fasciis transversis, ferrugineis  
bifidis, corpore utrinque maculis tribus  
fasciis.

Sparus Surinamensis, 2. aeneis quindecim  
dorsibus, linea laterali interrupta.

Bleek. Ichth. G. t. 277. f. 2.

---

Mariae loci Americae Sparus trimaculatus, et  
magis indigne vera in tabula exprimitur.





198 867



Thalassoma kribia

THE  
TRIMACULATED SPARE.

\*\*\*\*\*

GENERIC CHARACTER.

*Teeth* strong : *front-teeth* in some species disposed in a single row, in others in a double, treble, or quadruple row.

*Grinders* (in most species) convex, smooth, and disposed in ranges, forming a kind of pavement in the mouth.

*Lips* thick : Gill-covers unarmed, smooth, scaly.

*Gen. Zool.* 6. p. 402.

SPECIFIC CHARACTER, &c.

Yellowish Spare, with transverse ferruginous bifid bands, and three brown spots on each side.

Der Surinamsche Brassem.

*Bloch. ichth.* 8. pl. 277. f. 2.

---

The trimaculated Spare is an inhabitant of the American seas, and is represented on the plate in its natural size.



# TRIMACULATED SPARE

GENERAL CHARACTER

Yarn strong. Yarns in some species disposed in a single row, in others in a double row, or quadruple row.

Grasses (in most species) convex, smooth, and distended in length, making a kind of pavement in the mouth.

Lips thick. Gill very unguished, smooth, and very small.

Color black or grey.

Yellowish space, with numerous ferruginous blind papillae, and three brown spots on each side.

For description of the species, see page 277, f. 2.

The trimaculated Spare is an inhabitant of the American sea, and is represented on the plate in its natural size.

## PHALÆNA MACROPS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Antennæ* setaceæ, a basi ad apicem sensim attenuatæ.

*Alæ* (sedentis) sæpius deflexæ (volatu nocturno).

*Lin. Syst. Nat.*

### CHARACTER SPECIFICUS, &c.

Phalæna (*Attacus*) seticornis spirilinguis, alis fuscis atro undulatis; superioribus supra ocello ferrugineo; subtus albo maculatis.

*Lin. Syst. Nat.* tom. 3. p. 225.

Phalæna (*Noctua*) alis dentatis fuscis nigro undulatis, primoribus macula magna ocellari brunnea.

*Lin. Gmel.* p. 2529.

Noctua Bubo. N. alis patulis dentatis fuscis, nigro undulatis, anticis macula magna ocellari brunnea.

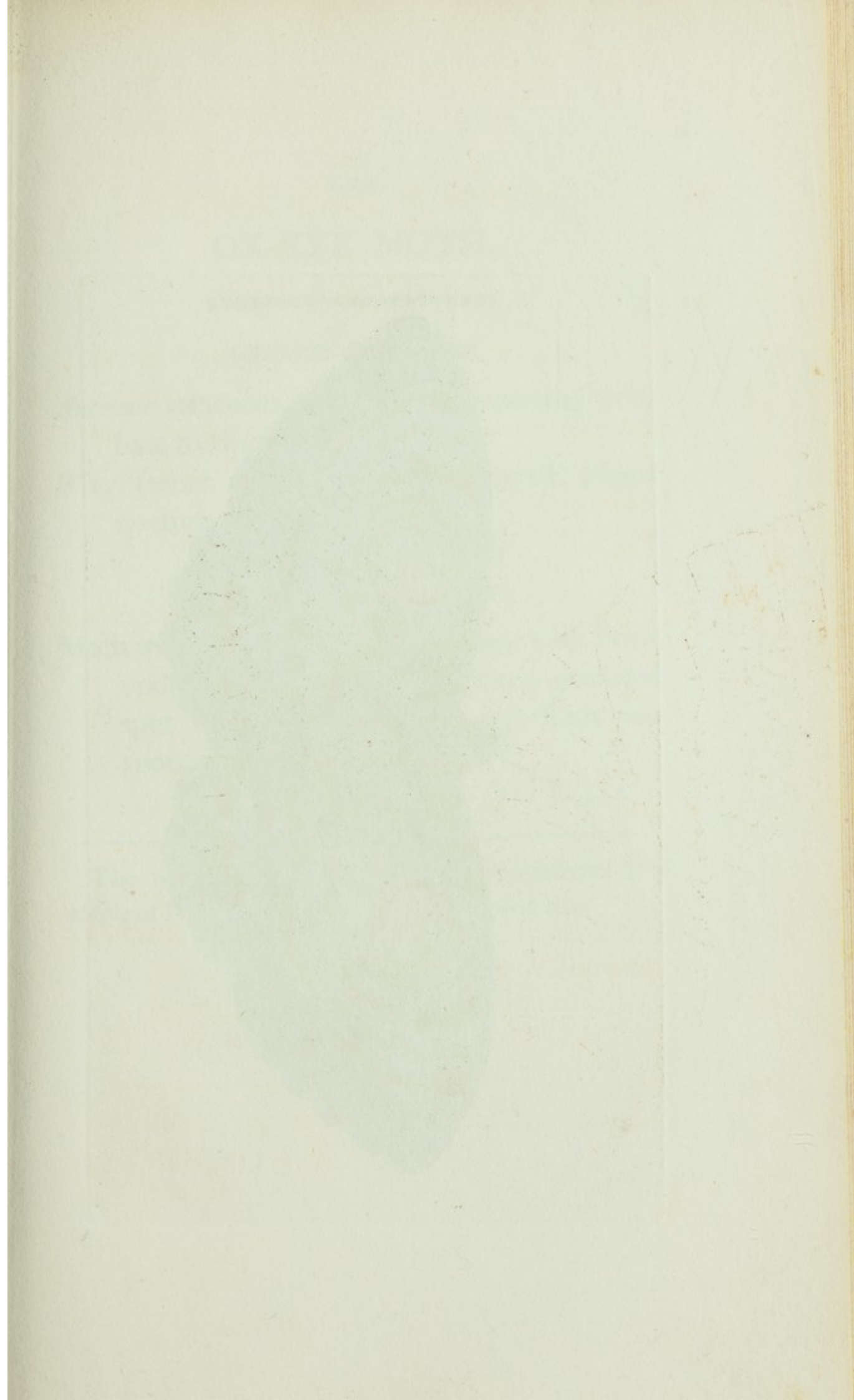
*Fabr. sp. ins.* 2. p. 209.

---

In India conspicitur rara hæc phalæna, cujus veram magnitudinem cernere est in tabula.









504



*Eurytoma gutturalis*

THE  
OX-EYE MOTH.

\*\*\*\*\*

GENERIC CHARACTER.

*Antennæ* setaceous, gradually diminishing from base to tip.

*Wings* (when at rest) generally deflected. Flight nocturnal.

SPECIFIC CHARACTER, &c.

Moth with denticulated brown wings with black undulations, a large ferruginous ocellated spot on the upper wings, and both pair spotted beneath with white.

*Cramer*, pl. 171. f. A. B.

---

The rare species of *Phalæna* here represented is a native of India, and is shewn in its natural size.



THE  
OX-EYE MOTH.

\*\*\*\*\*

GENERIC CHARACTER.

Antennae setaceous, gradually diminishing from  
base to tip.  
Wings (when at rest) generally directed slightly  
posteriorly.

SPECIFIC CHARACTER, &c.

Moth with darkened brown wings with black  
undulating, wavy, transverse oblique  
spot on the upper wing, and both pair  
spotted beneath.

(Gen. & Sp. 171, f. 4, n.)

The larva of the Ox-eye Moth is represented in a  
natural size.

## LANIUS MYSTACEUS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Rostrum* rectiusculum, dente utrinque versus  
apicem, basi nudum.

*Lingua* lacera.

*Digitus exterior* basi medio connexus.

### CHARACTER SPECIFICUS, &c.

*Lanius niger*, corpore subtus caudaque cuneata  
rubris, fascia pectorali strigaeque suboculari  
albis.

*Gen. Zool.* 7. p. 298.

*Lanius mystaceus*. *L. fuscus*, corpore subtus  
caudaque rubris, fascia pectoris strigaeque  
sub oculis albis.

*Lath. ind. orn. suppl.*

---

Insulas maris australis incolit *Lanius mystaceus*,  
cujus magnitudo est quasi *Turdi Merulae Linnæi*.



# LANIUS MYSTACEUS.

\*\*\*\*\*

CHARACTER GENERICUS.

Rostrum rectiusculum, dente utrinque versus  
apicem, basi rostrum.

Alae, facies.

Alae, facies, basi medio connexus.

CHARACTER SPECIFICUS, &c.

Lanius niger, corpore sublimi caudae cuneata  
rufis, tertia pectorali strigae suboculari  
albæ.

Civ. Zool. 7. p. 298.

Lanius mystaceus. L. fuscus, corpore sublimi  
caudae rufis, tertia pectorali strigae  
suboculari albæ.

Lanius niger, civ. Zool.

---

Lanius mystaceus, civ. Zool. 7. p. 298.  
Lanius mystaceus, civ. Zool. 7. p. 298.







THE  
WHISKERED SHRIKE.

\*\*\*\*\*

GENERIC CHARACTER.

*Bill* straitish, with a tooth or small process on each side near the tip.

*Tongue* jagged.

*Outside toe* connected to the middle one as far as the first joint.

SPECIFIC CHARACTER, &c.

Black Shrike, with the body beneath and underneath tail red, a white bar across the breast, and white streak beneath the eyes.

*Gen. Zool.* 7. p. 298.

La Pie-griesche rouge à plastron blanc.

*Levaill. ois. afr.* pl. 65.

---

The whiskered Shrike is a native of the South-Sea islands. Its size is nearly that of a common black-bird.



THE  
WHISKERED SHRIKE.

\*\*\*\*\*

GENERAL CHARACTER.

Bill bluish, with a tooth or small process on each side near the tip. Tongue jagged. Ovaryes connected to the middle one as far as the first joint.

SPACIOUS CHARACTER.

Black Shrike, with the body beneath and necked tail red, a white bar across the breast, and white streak beneath the eyes. Gen. Zool. v. p. 298.

In the Grisebe range a plumed shrike. A. Smith. v. p. 103.

---

The whiskered shrike is a native of the Sandwich Islands. Its size is nearly that of a common black bird.

# HOLOCENTRUS VIRESCENS.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Habitus* generis Percæ.

*Opercula* squamosa, serrata, aculeata.

*Squamæ* (pluribus) duræ, asperæ.

*Gen. Zool.* 4. p. 553.

## CHARACTER SPECIFICUS, &c.

*Holocentrus virescens.* H. virescens, nebulis  
utrinque dorsalibus transversis semidecur-  
rentibus olivaceis, capite flavo-striato.

*Gen. Zool.* 4. p. 555.

*Holocentrus virescens.* H. radiis viginti qua-  
tuor in pinna dorsi, pinna caudæ lunata.

*Bloch. ichth.* 7. t. 233.

---

Maria incolit Indica *Holocentrus virescens*, longitu-  
dine pedali vel sesquipedali.



# HOLOCENTRUS VIRESCENS.

## CHARACTER GENERICUS.

Habitu generis Percus.

Opercula squamulosa, setulata, aculeata.

Serrae (pluribus) duntaxat, apertae.

Gen. Zool. 4. p. 555.

## CHARACTER SPECIFICUS.

Holocentrus virens. H. virens, nebulis

utrinque dorsales transiens. semidecur-

tentibus olivaceis, capite flavo-strato.

Gen. Zool. 4. p. 555.

Holocentrus virens. H. radiis viginti quatuor

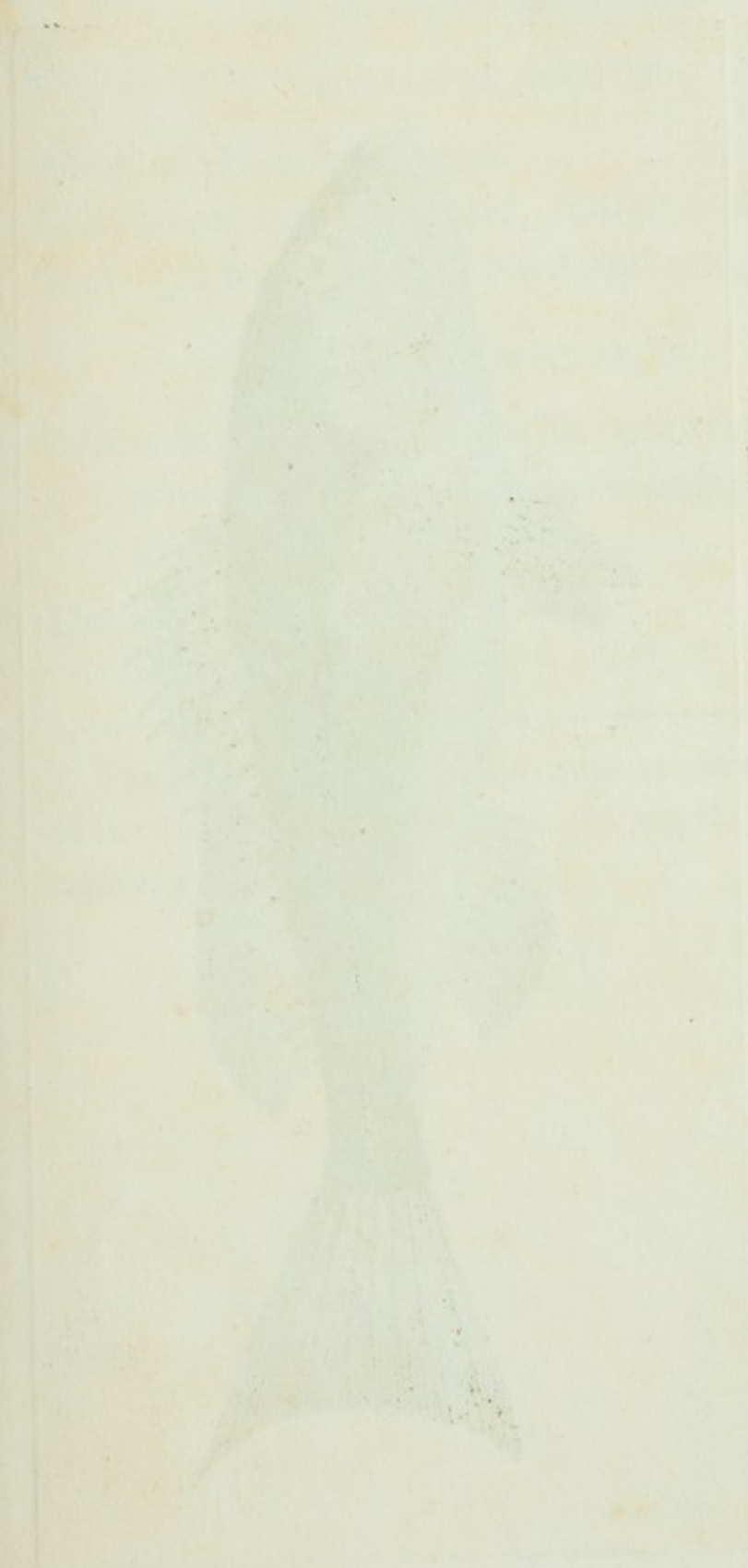
in prima dorsali, prima caudae lunata.

Bonn. Mus. 7. t. 255.

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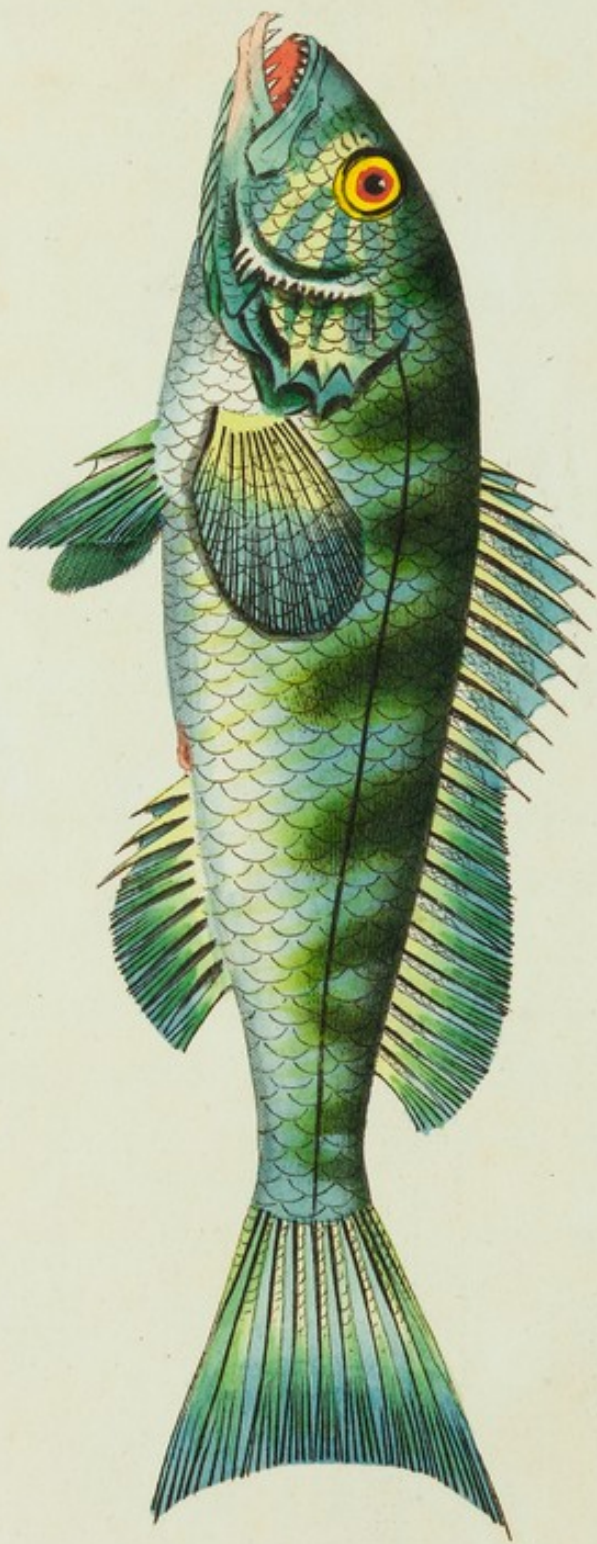
Nota incola fide Holocentrus virens, longius

et pedali vel subpedali.





1870



R. H. Noddy or Blue & Sulphur

THE  
GREENISH HOLOCENTRUS.

\*\*\*\*\*

GENERIC CHARACTER.

*Habit* of the genus *Perca*.

*Gill-Covers* scaly, serrated, and aculeated.

*Scales* (in most species) hard and rough.

SPECIFIC CHARACTER, &c.

Greenish Holocentrus, with transverse dorsal  
semidecurrent olivaceous bands, and head  
streaked with yellow.

Der grünliche Sogo.

*Bloch. ichth. 7. pl. 233.*

---

The fish represented on the present plate is a native  
of the Indian seas, growing to the length of twelve or  
eighteen inches.





## RANA ESCULENTA.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Corpus* tetrapodum, ecaudatum, nudum.

*Lin. Syst. Nat.*

### CHARACTER SPECIFICUS, &c.

*Rana* olivacea nigro maculata, lineis tribus dorsalibus flavescentibus, abdomine albido.

*Gen. Zool.* 3. p. 103.

*Rana* esculenta. *R.* corpore angulato, dorso transverse gibbo, abdomine marginato.

*Lin. Syst. Nat.*

*Rana* viridis aquatica.

*Roes. hist. ran.* p. 53.

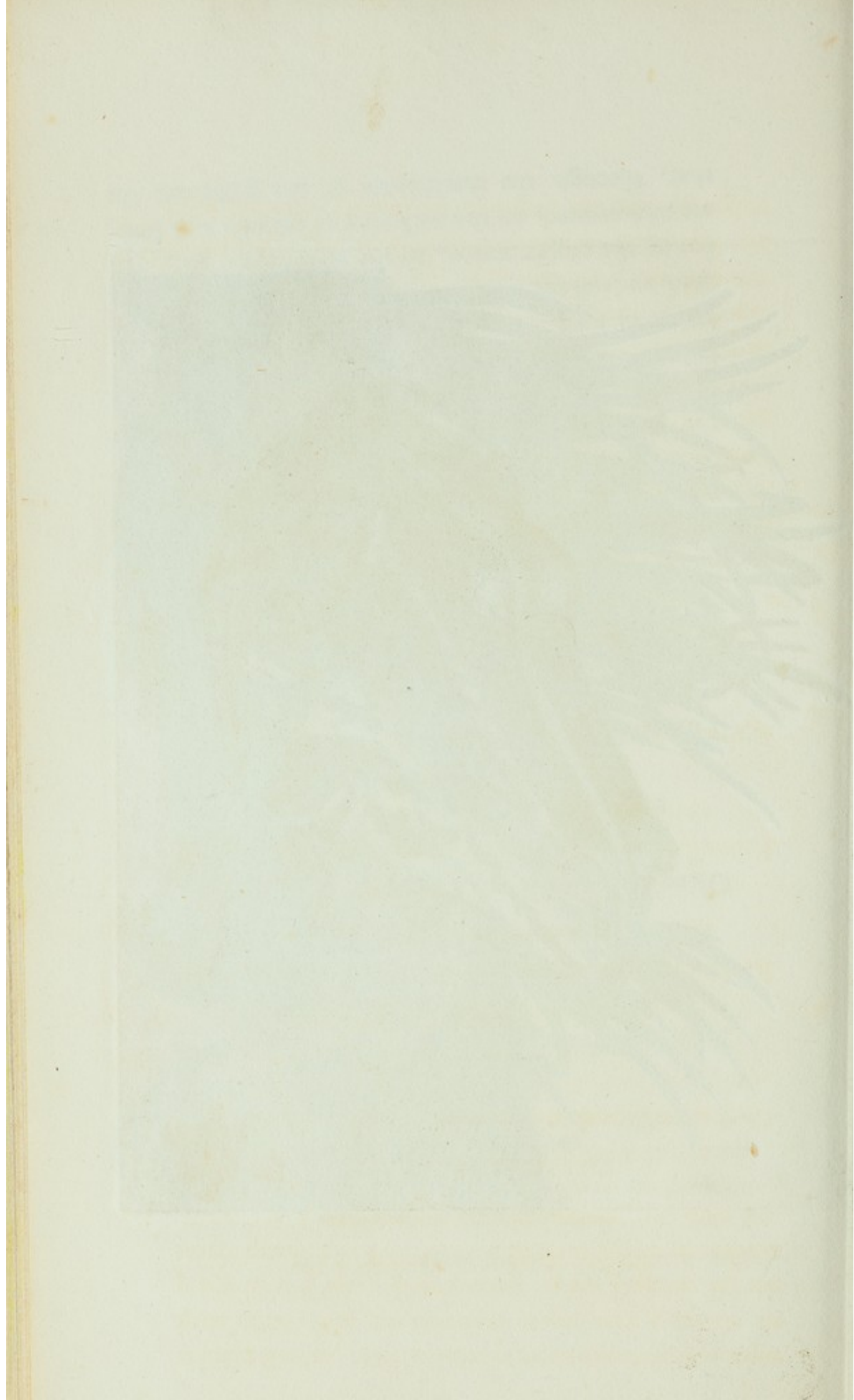
t. 13, &c.

---

Major paulo rana temporaria seu communi est rana esculenta. Notabilis præterea est viridi colore, et dorso lineis tribus flavescentibus fasciato. In Europæ calidioribus partibus frequentior longe est quam in frigidioribus; et eodem fere utitur vivendi modo quo rana vulgaris, nisi quod rarissime in terram progreditur. Apud Gallos mensis apponitur species de qua jam loquimur, femoraque (hæc enim præcipue sapiunt palato,) in deliciis sunt. Cum igitur advenerit opportunum tempus, venit in foro Parisiensi uberrima ranarum copia. Cum his interdum incuria colligentium miscentur bufones vulgares, testibus Daudino et Bosco; quorum alter,



scilicet Boscus, asserit bufones æque esse delicatos atque ipsas ranas; nec alia de causa respui nisi quod de iis præjudicium sit. Delectantur ranis Viennæ incolæ magis quam ipsi Parisienses: aluntur igitur in vivariis non longe a civitate, ut in propinquo sint quæ habentur lautiores epulæ.









THE  
GREEN FROG.

\*\*\*\*\*

GENERIC CHARACTER.

*Body* four-footed, without tail, and naked, or without any integument but the skin.

SPECIFIC CHARACTER, &c.

Olive-coloured Frog, spotted with black, with three yellowish dorsal lines, and whitish abdomen.

*Gen. Zool.* 3. p. 103.

The edible Frog.

*Penn. Brit. Zool.* 3. p. 13.

---

The green or edible Frog is distinguished from the common frog by its somewhat larger size, its green colour, and particularly by the appearance of three pale yellow lines or stripes running down the back. It is much more common in the warmer than in the colder parts of Europe, and in its general manners resembles the common frog, except that it is but rarely seen on dry ground. In some parts of Europe, and particularly in France, this species is considered as a delicate article of food. For this purpose the thighs alone are used, and infinite numbers of frogs are regularly brought, during the proper season, to the markets of Paris. We are also assured, on the authority of Daudin and Bosc, that, through the carelessness of the gatherers, the



common toad is not unfrequently intermixed with them. Mons. Bosc even asserts that it is in reality equally delicate, and that prejudice alone has hitherto prevented its general use. At Vienna the Frog seems to be a still more favourite article than at Paris; regular froggeries or breeding-ponds being established in the neighbourhood of that city, for the express purpose of supplying the tables of the luxurious.

## SPHINX STELLATARUM.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Antennæ* subprismaticæ, utroque fine attenuatæ.

*Lingua* exserta (plerisque).

*Palpi* duo reflexi.

*Alæ* deflexæ.

### CHARACTER SPECIFICUS, &c.

Sphinx stellatarum. S. abdomine barbato, lateribus albo nigroque variis alis posticis ferrugineis.

*Lin. Syst. Nat.*

*Merian. Ins. Eur.* 2. p. 33. t. 9.

*Reaum. ins.* 1. t. 12. f. 5. 6.

*Roes. ins. phal.* 1. t. 8.

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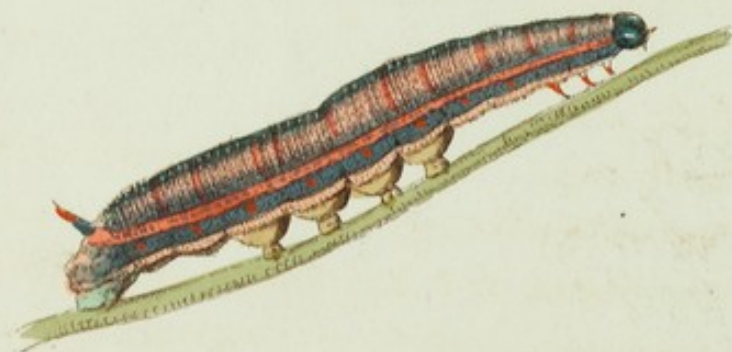
In pratis et hortis exacta fere æstate flores nunc hos, nunc illos, supervolitat Sphinx stellatarum, et proboscide tubulata succos extrahit. Dum hoc studio occupatur, trochilis nonnullis minoribus valde similis est; nec defuere historiæ naturalis ignari qui trochilum putaverint. Depascitur larva folia præcipue Galii, et aliarum plantarum stellatarum; in chrysalidem convertitur mense Julio vel Augusto; e qua nascitur Sphinx mense Augusto vel Septembri. Fit tamen interdum ut per totam hyemem maneant chrysalides, sphinge non exclusa ante Aprilem aut Maium.





3-556.





*Phalaena chryseis*

THE  
HUMMING-BIRD SPHINX.

\*\*\*\*\*

GENERIC CHARACTER.

*Antennæ* subprismatic, attenuated at each extremity.

*Tongue* (generally) exserted.

*Feelers* two, reflex.

*Wings* deflected.

SPECIFIC CHARACTER, &c.

Brown Sphinx, with bearded abdomen, sides varied with black and white, and ferruginous lower wings.

The Humming-Bird Sphinx.

Humming-Bird Hawk-Moth.

---

This elegant insect is often seen during the latter part of summer in fields and gardens, flying rapidly from flower to flower, and extracting their juices with its tubular proboscis: during this action it bears no inconsiderable resemblance to some of the smaller species of Humming-Birds, and instances have not been wanting in which it has been mistaken for such by persons entirely ignorant of natural history. The caterpillar feeds principally on the leaves of Galium and other stellate plants, and usually changes to chrysalis in the month of July or August; the Sphinx appearing in August or September. Some individuals however remain in the chrysalis state during the whole winter, and do not give birth to the Sphinx till the following April or May.



# HUMMING BIRD SPHINX.

.....

CAVATIA CAVATICA.

Abundant and common, especially in the south.

Length,

Wings (extending),

Feet two, reflex.

Wings deflexed.

CAVATIA CAVATICA.

Brown Sphinx, with rounded abdomen, sides

marked with black and white, and hairy.

Now lower wings.

The Humming Bird Sphinx.

Humming Bird Sphinx.

This elegant insect is often mistaken for the latter

part of summer in the south of the continent.

It is found in flower and extends to the south of

its tropical habitat; during the winter it is found in

incomparable abundance to some of the smaller

of the Humming Bird Sphinx, and has a very

abundant in winter in the south of the continent.

It is found in the south of the continent, and

in the north of the continent, and usually changes to

in the month of July or August; the Sphinx ap-

ing is a very common insect in the south of the

continent, and is found in the south of the

continent, and is found in the south of the

continent, and is found in the south of the

# STURNUS NITENS.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Rostrum* subulatum, angulatum, depressum, obtusiusculum : mandibula superiore integerrima, marginibus patentiusculis.

*Nares* supra marginatæ.

*Lingua* emarginata, acuta.

*Lath. ind. orn.*

## CHARACTER SPECIFICUS, &c.

*Sturnus* viridis, purpureo cæruleoque nitens, rostro pedibusque nigris.

*Turdus* nitens ?

*Lin. Syst. Nat.*

Le Nabirop.

*Levaill. ois. Afr. t. 89.*

---

Africana est avis quam depinximus, in Caffraria gregatim congregari solita, et, judice Levaillanto, sturnis annumeranda. Cum sol plene effulserit, pulcherrimus est versicolor plumarum nitor. Insectis præcipue vescitur variisque baccis ; in imis arborum cavis nidificat, interdum ipsa in humo ; ovaque excludit quinque seu sex subcæruleo-viridia. Cedit mari femina colorum splendore et elegantia.



# STURNUS NITENS.

## CHARACTER GENERICUS.

Rostrum subulatum, angulatum, depressum, ob-  
tusiusculum: mandibula superiore integer-  
rima, marginibus patentiusculis.  
Nares supra marginatae.  
Lingua emarginata, scuta.  
Lath. ind. orn.

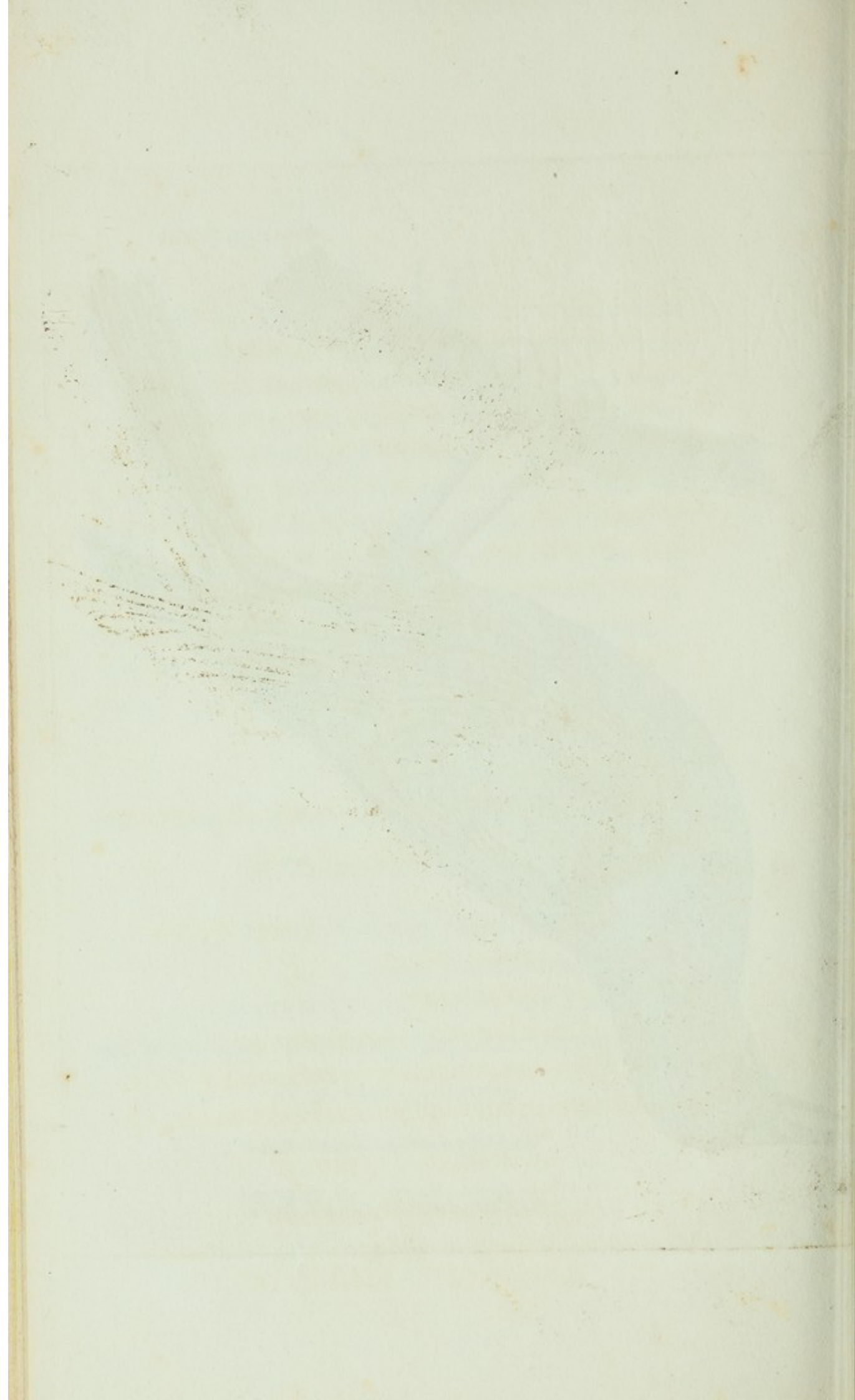
## CHARACTER SPECIFICUS, &c.

Sturnus viridis, purpureo carotaeoque nitens,  
rostrato pedibusque nigris.  
Turdus nitens?  
Linn. Syst. Nat.

Le Nahir.

Acridill. eur. Afr. v. 80.

Africana est avis quam depressum, in Gallia  
gregatim congregari solita, et, jussu Levaillant, stu-  
dis annumeranda. Cum ad plene efflueret, pulcher-  
ritudo est versicolor plumarum nitens. Insectis praeci-  
pue vescitur varisque bacis; in iunio arborum cavis  
nidificat, interdum ipsa in humis; ovaque excludit  
quidam seu sex subcaeruleo-viridis. Cedit male feminis  
colorum splendore et elegantia.







R. P. Hodder Del et Sculp<sup>r</sup>

THE  
SHINING STARE.

\*\*\*\*\*

GENERIC CHARACTER.

*Bill* subulate, angular, depressed, somewhat obtuse ; the upper mandible entire.

*Nostrils* margined above.

*Tongue* emarginate, sharp-pointed.

SPECIFIC CHARACTER, &c.

Green Stare, with blue and purple glosses, and black bill and legs.

Le Nabirop.

*Levaill. ois. Afr. pl. 89.*

---

The bird represented on the present plate, and which Mons. Levaillant is inclined to consider as a species of Starling, is seen in vast flocks in some parts of Caffraria in Africa ; its changeable plumage appearing to peculiar advantage under the influence of the full sunshine. It feeds principally on insects and various kinds of berries ; builds in the lower part of the cavities of trees ; sometimes even on the ground ; and lays five or six eggs, of a beautiful blueish green colour. The plumage of the female bird is less brilliant than that of the male.



# SHINING STAR

THE SHINING STAR

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THE SHINING STAR

## CLUPEA ATHERINOIDES.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Mystaces* maxillarum superiorum serrati.

*Membr. branch.* radiis octo. Branchiæ intus setaceæ.

*Abdomen* acutum, sæpius carinatum.

### CHARACTER SPECIFICUS, &c.

*Clupea atherinoides.* C. fusca, fascia utrinque longitudinali argentea.

*Gen. Zool.* 5. p. 174.

*Clupea atherinoides.* C. linea laterali argentea.  
*Lin. Syst. Nat.*

*Clupea stria* longitudinali argentea.

*Bloch. ichth.* t. 408. f. 1.

---

Maria incolit Indica et Americana *Clupea atherinoides*, longitudine, ut plurimum, decem vel duodecim unciarum.



# CLUPES ATHERINIDAE

Clupea, Cuv.

Clupea, Cuv.

Clupea, Cuv.

Clupea, Cuv.

Clupea, Cuv.

Clupea, Cuv.

Clupea, Cuv.

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Clupea, Cuv.

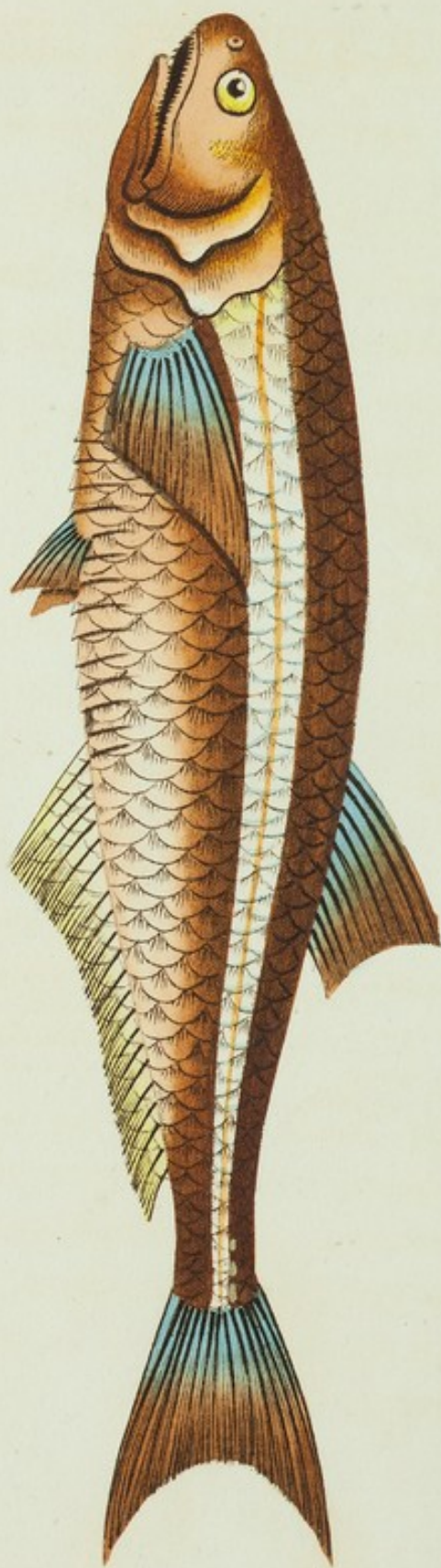
Clupea, Cuv.

Clupea, Cuv.

Clupea, Cuv.







THE  
SILVER-STRIPED HERRING.

\*\*\*\*\*

GENERIC CHARACTER.

*Side-Plates* of the upper mandible serrated.

*Gill-Membrane* eight-rayed: gills internally setaceous.

*Abdomen* sharp, and, generally, serrated.

SPECIFIC CHARACTER, &c.

Brown Herring, marked on each side by a longitudinal silvery band.

*Gen. Zool.* 5. p. 174.

Der Silberstreif.

*Bloch. ichth.* pl. 408. f. 1.

---

The Silver-Striped Herring is an inhabitant of the Indian and American seas, measuring about ten or twelve inches in length.



THE  
SILVER-STRIPED HERRING

GENERAL CHARACTER.

Length of the upper mandible serrated.  
Gill-Membrane eight-rayed: gills internally set-

aceous sharp, and, generally, serrated.

Brown Herring, marked on each side by a lat-  
itudinal silver band.

Gen. Zool. 3. p. 174.

Der Silberstreif.

Black. Ichth. pl. 408. f. 1.

The Silver-Striped Herring is an inhabitant of the  
Indian and American seas, measuring about ten or  
twelve inches in length.

## LOPHIUS VESPERTILIO.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Caput* depressum.

*Dentes* plurimi, acuti. *Lingua* dentibus armata.

*Corpus* crassum.

*Pinnæ pectorales* brachiatae.

### CHARACTER SPECIFICUS, &c.

*Lophius rostratus*. *L. depressus* subferrugineus,  
supra tuberculatus, capite rostrato.

*Gen. Zool.* 5. p. 383.

*Lophius Vespertilio*. *L. depressus*, capite rostrato.

*Lin. Syst. Nat.*

*Rana piscatrix Americana*.

*Seb. mus.* 3. t. 75.

---

In maribus Austro-Americanis generatus *Lophius Vespertilio* crescit interdum in longitudinem pedalem seu sesquipedalem. Eodem fere utitur vivendi modo quo *Lophius vulgaris* seu *Europæus*, latendo nempe in alga, aliisque marinis, piscibus minoribus et vermibus exitium afferens.



# ROPHIUS VESPERTILIO.

\*\*\*\*\*

CHARACTER GENERACUS.

Caput depresso.

Dentes plurimi, acuti. Lingua dentibus armata.

Corpor crassum.

Pennis parvis brevibus.

CHARACTER SPECIFICUS.

Rophius rostratus. L. depressus subtrigonus.

caput subrotundum, capite rostrato.

Gen. Zool. N. p. 282.

Rophius Vespertilio. L. de pectus, capite ro-

strato.

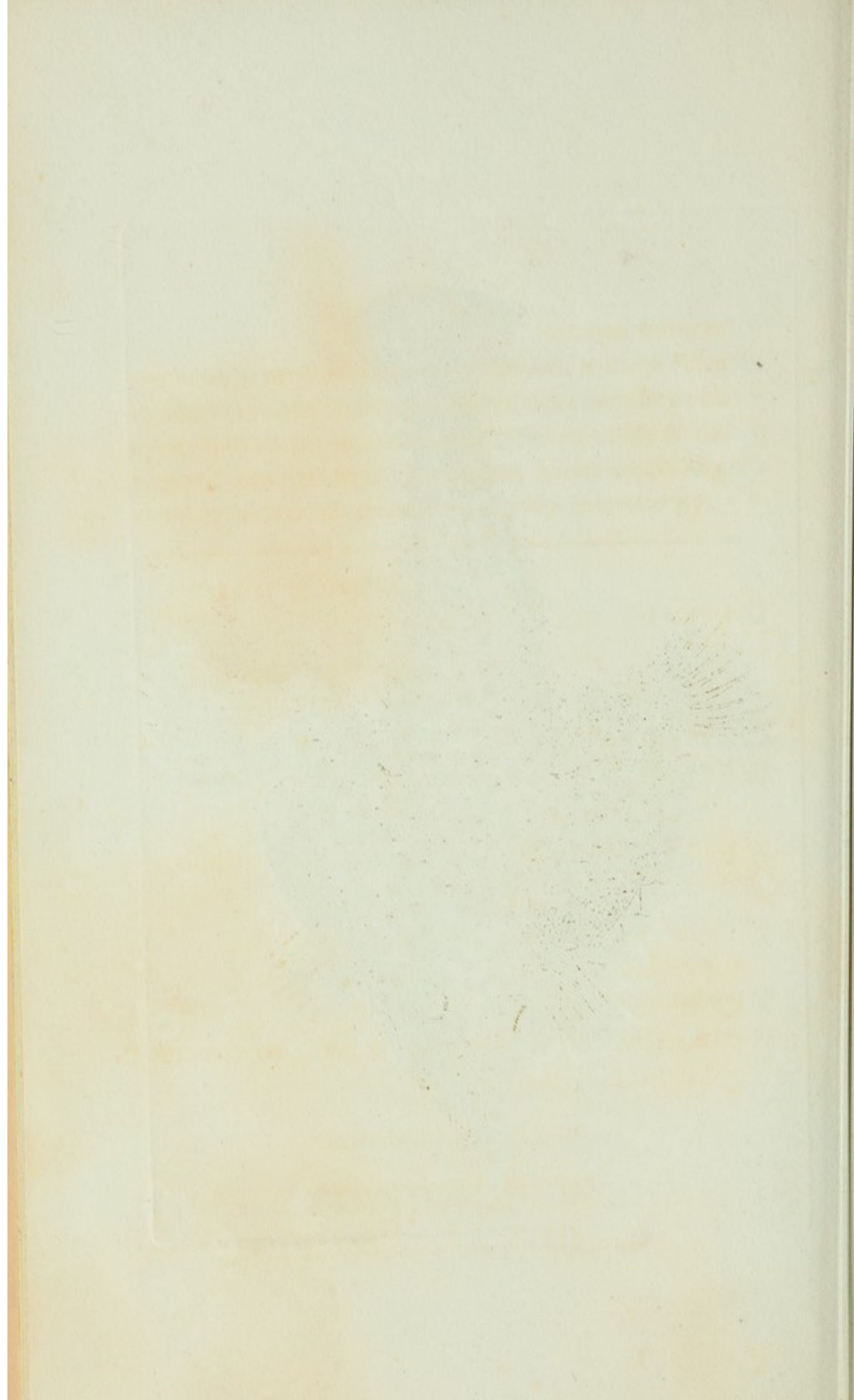
Lin. Zool. N. p.

Rana parvix Amphibia.

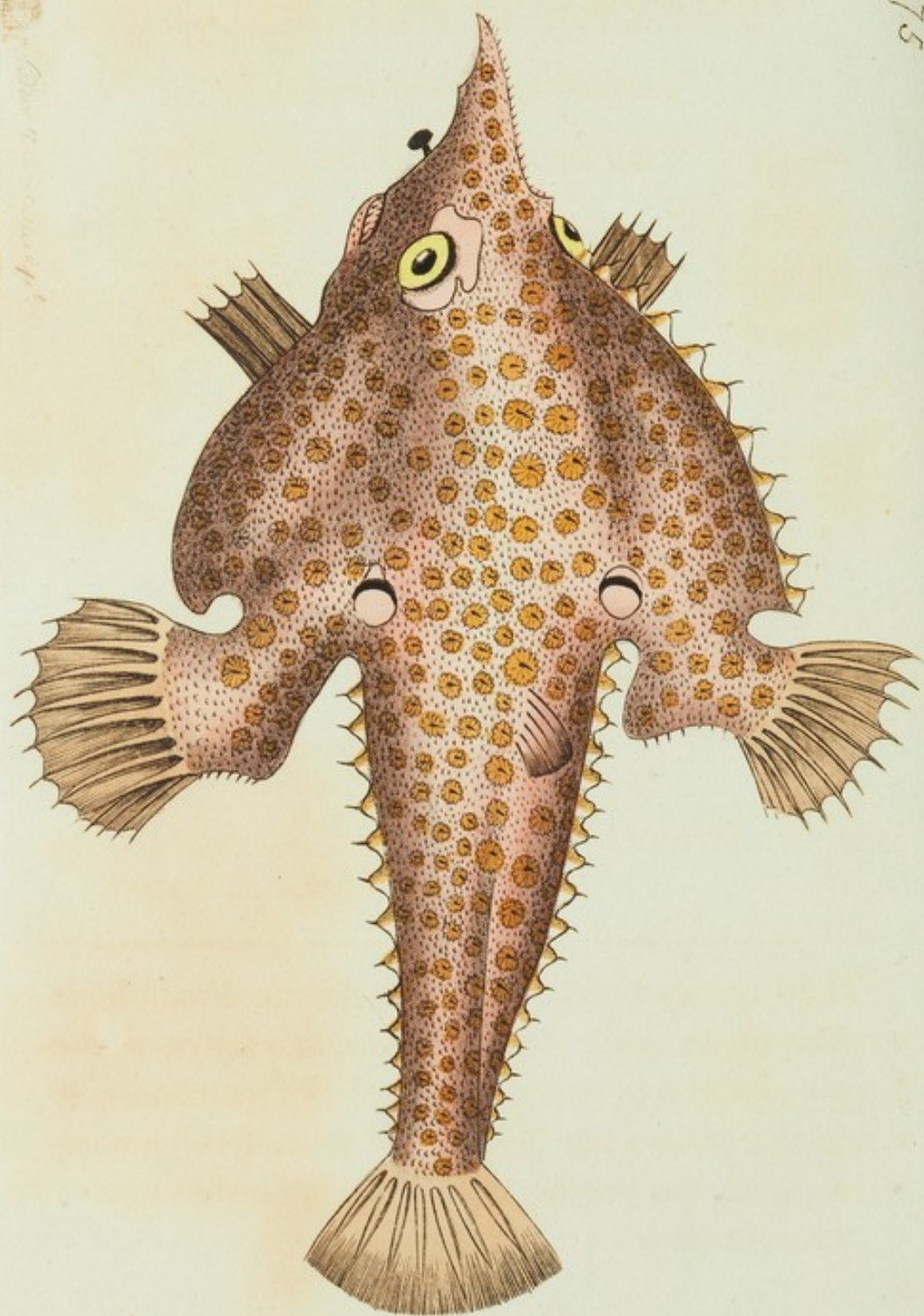
Seb. mus. 3. t. 78.

---

In natione Austro-Americana generatus Rophius  
Vespertilio crevit interitum in longitudine pedum  
seu sesquipedalem. Eodem tunc aetate viventi modo  
que Rophius virgatus per Europam, latendo nunc in  
aiga, a pectus rostrum, parvis membris et venis  
extremis effertur.







THE  
AMERICAN FROGFISH.

\*\*\*\*\*

GENERIC CHARACTER.

*Head* depressed.

*Teeth* numerous, sharp. Tongue armed with  
teeth.

*Body* thick.

*Pectoral fins* brachiated.

SPECIFIC CHARACTER, &c.

Depressed, subferruginous Frogfish, tubercu-  
lated above, with beaked head.

The Sea Bat.

*Brown. Jam.* pl. 48. f. 3.

Der Einhornteufel.

*Bloch. ichth.* pl. 110.

---

The *Lophius Vespertilio*, or American Frogfish, is a native of the South-American seas, and arrives at the length of a foot or eighteen inches. In its manners it is said to resemble the European Angler, lying among weeds, &c. and preying on small fishes and worms.



THE JOURNAL OF  
JAMES M. COOK

1769-1771

James M. Cook, Esq., of the County of ... State of ...

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## PHALÆNA NUPTA.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Antennæ* setaceæ, a basi ad apicem sensim attenuatæ.

*Alæ* (sedentis) sæpius deflexæ. (Volatu nocturno.)

### CHARACTER SPECIFICUS, &c.

*Phalæna* (*Noctua*) *cristata*, alis cinerascentibus; inferioribus rubris fasciis duabus nigris, corpore cano subtus albo.

*Phalæna* *Nupta*. *Ph. Noctua spirilinguis cristata*, alis cinerascentibus; inferioribus rubris, fasciis nigris, abdomine cano subtus albo.

*Lin. Syst. Nat.*

*Roes. Phal.* 1. t. 15.

---

Folia salicis præcipue depascitur larva pulcherrimæ hujus phalænæ, et in chrysalidem, ut plurimum, mense Julio convertitur, e qua mense Augusto erumpit insectum plene conformatum.



THE  
RED UNDERWING MOTH.

\*\*\*\*\*

GENERIC CHARACTER.

*Antennæ* setaceous, gradually lessening from base to tip.

*Wings* (when sitting) generally deflex, (flight nocturnal).

SPECIFIC CHARACTER, &c.

Crested-Backed Moth, with grey wings; the lower pair red, with two black bars; the body grey above, and white beneath.

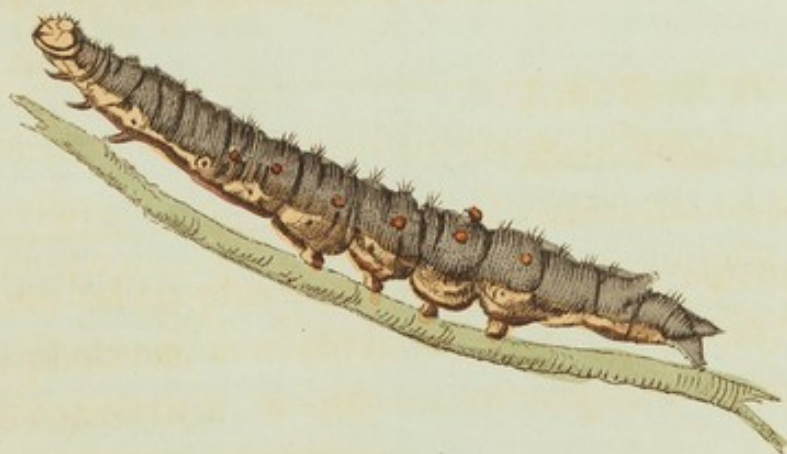
The Red Underwing.

*Abin. ins.* pl. 80.

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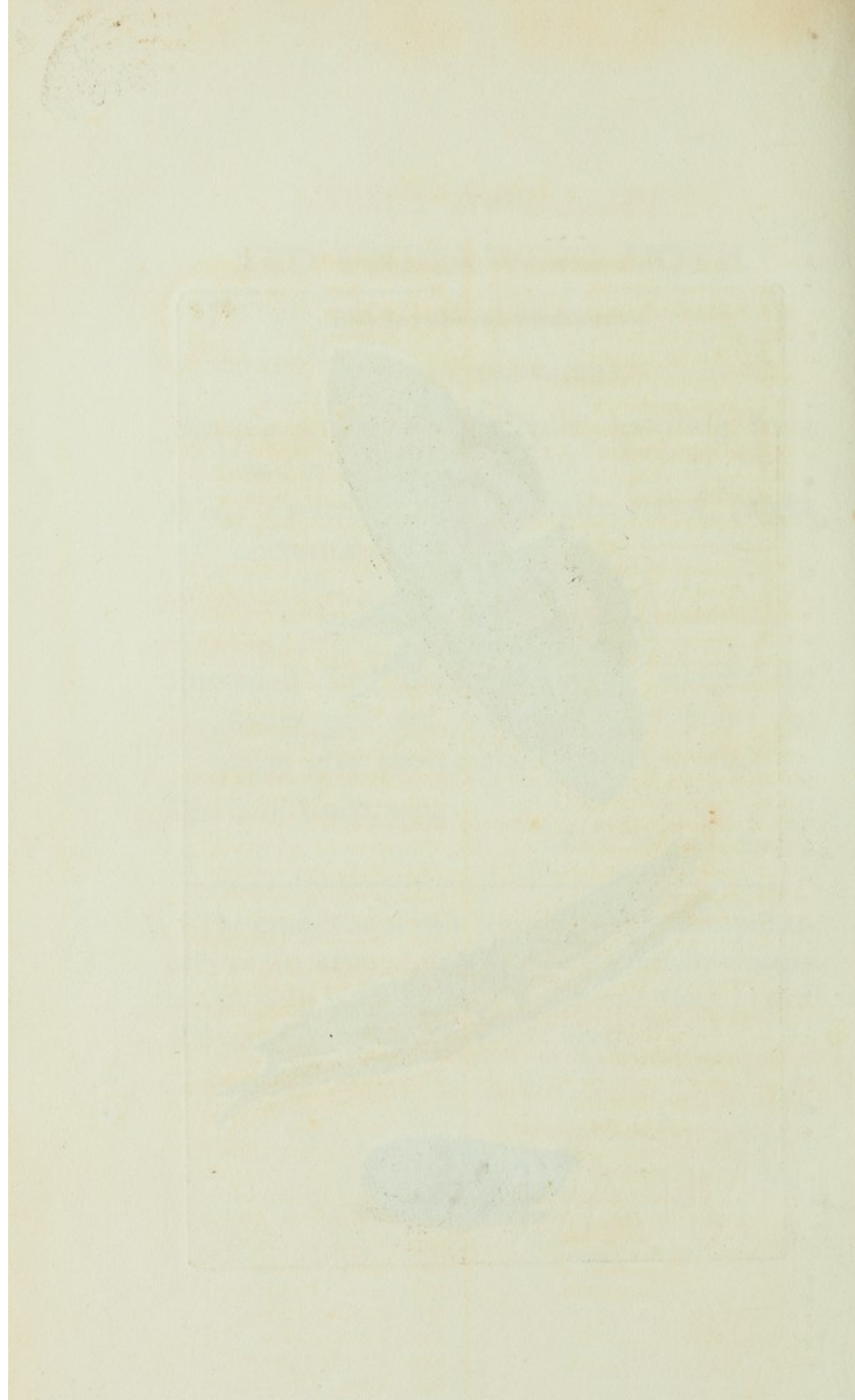
The caterpillar of this beautiful Moth feeds principally on the leaves of the willow, and generally changes to a chrysalis in the month of July, from which in that of August emerges the complete insect.

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*R. P. W. - 1876*





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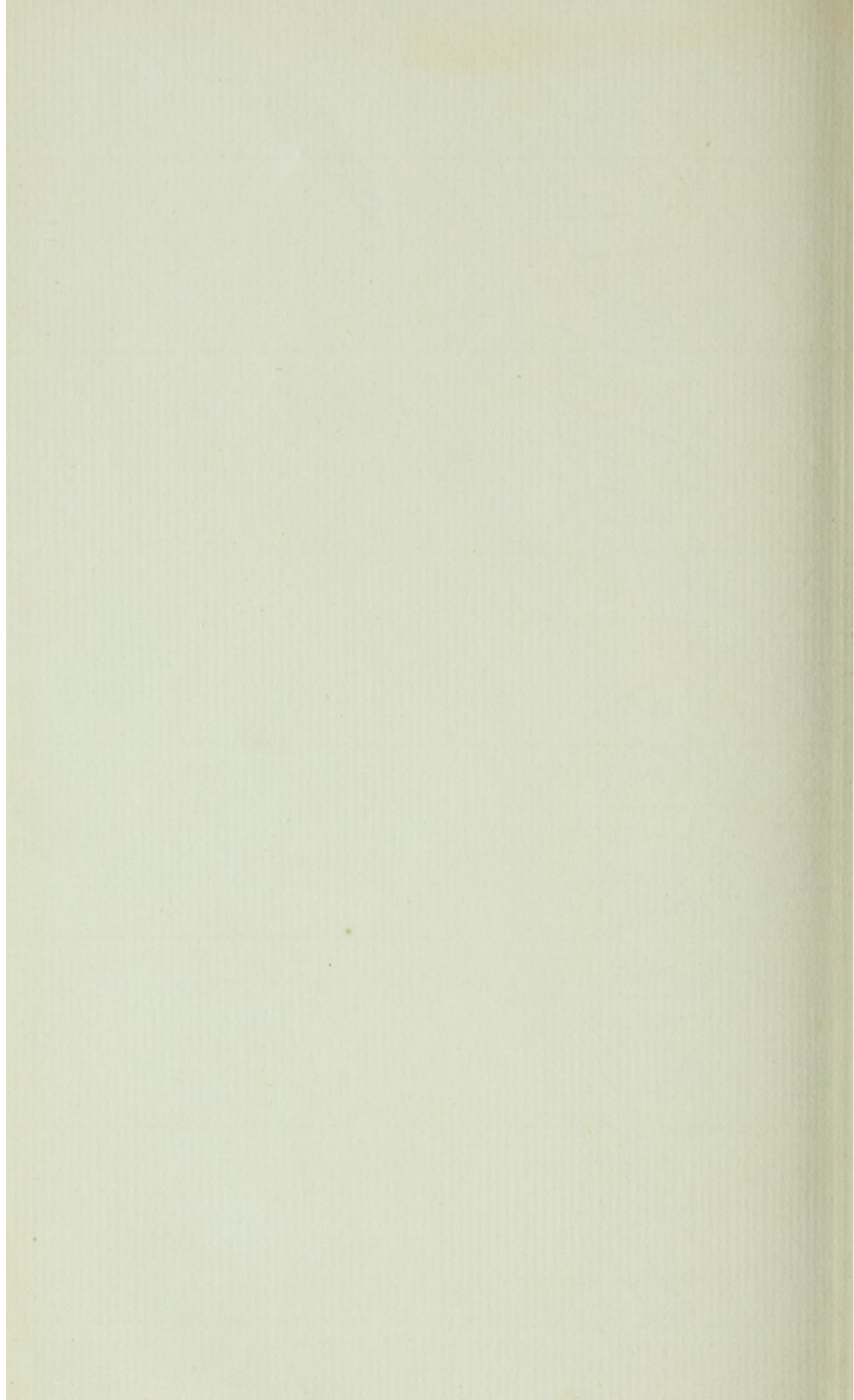
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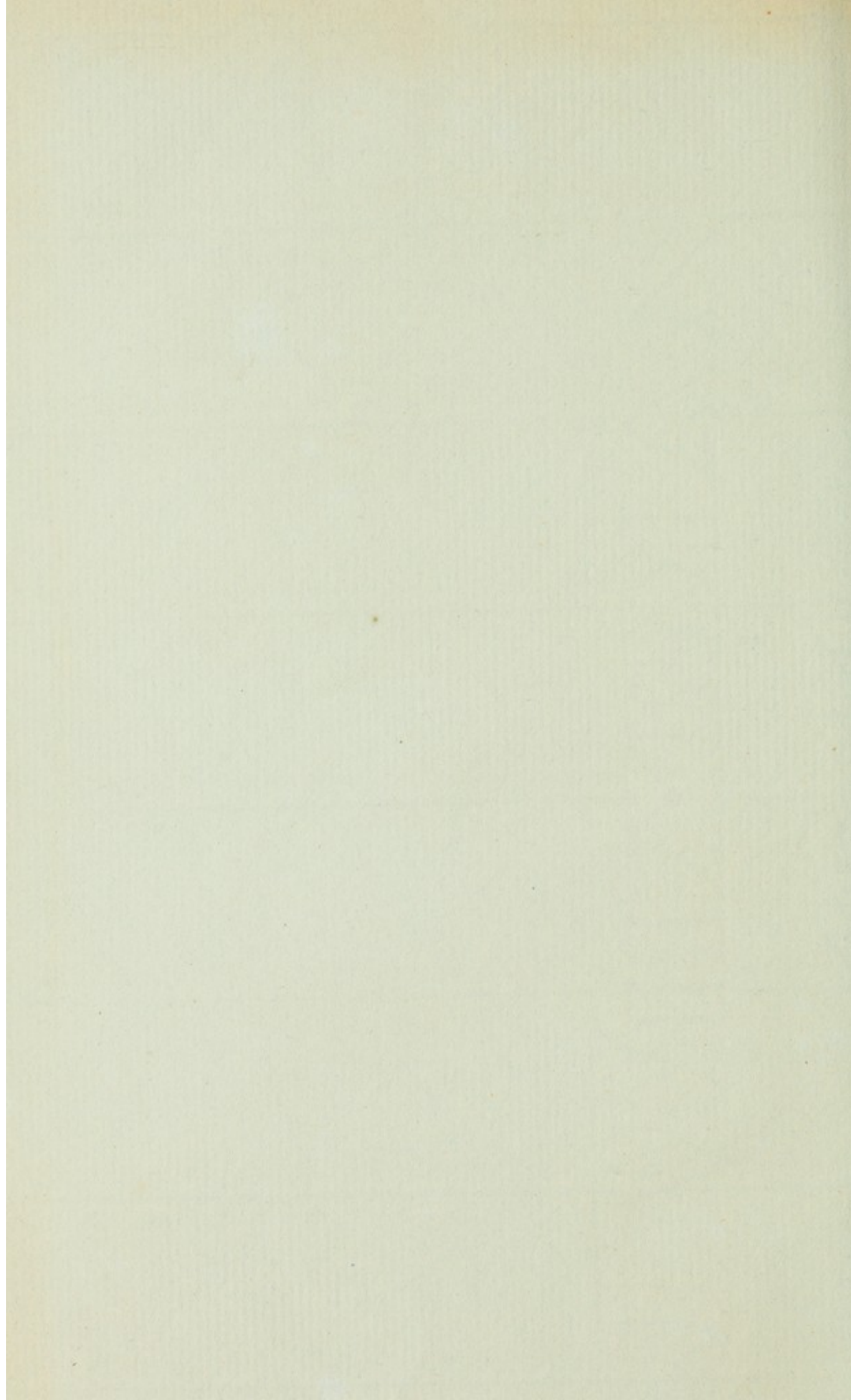
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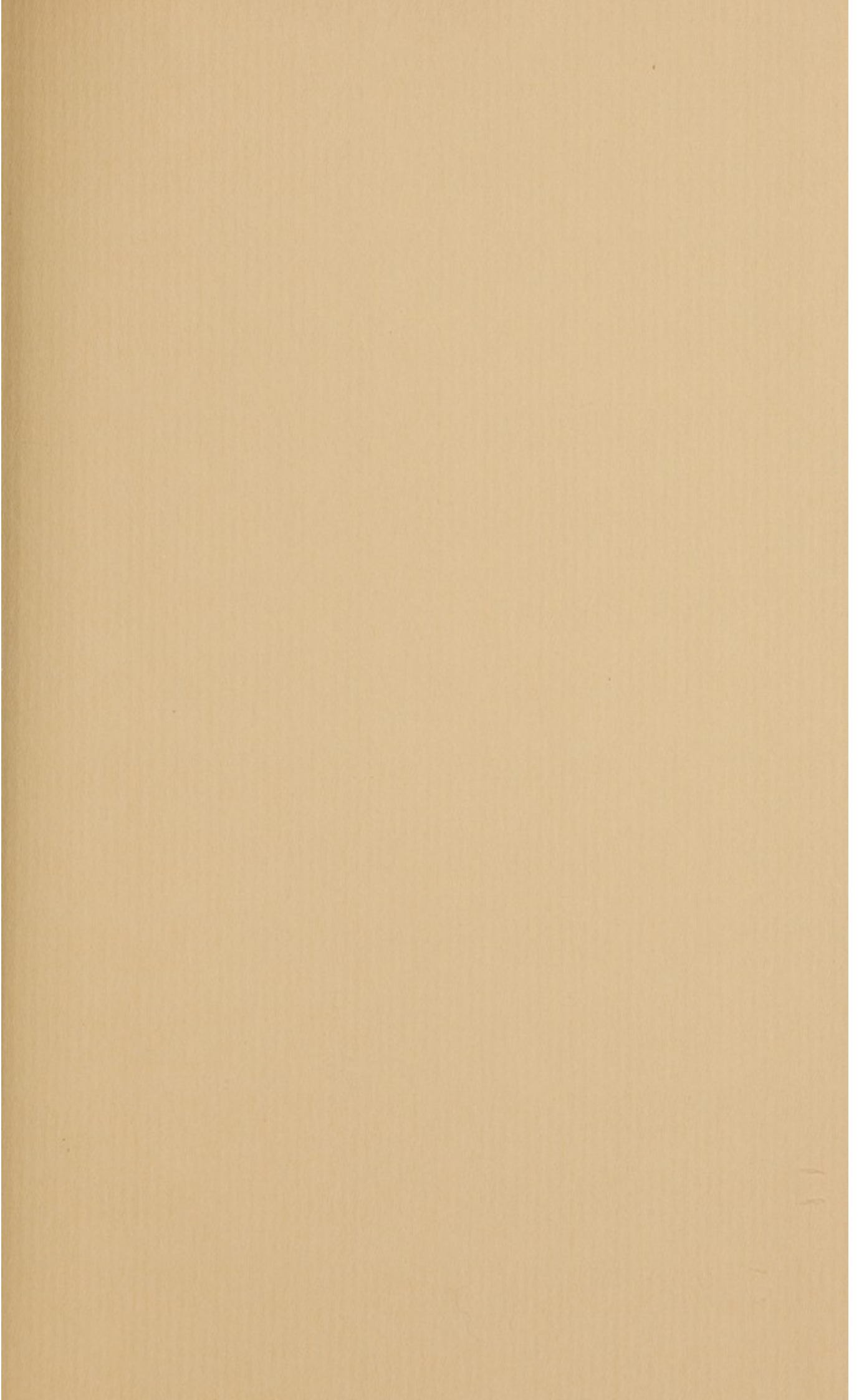




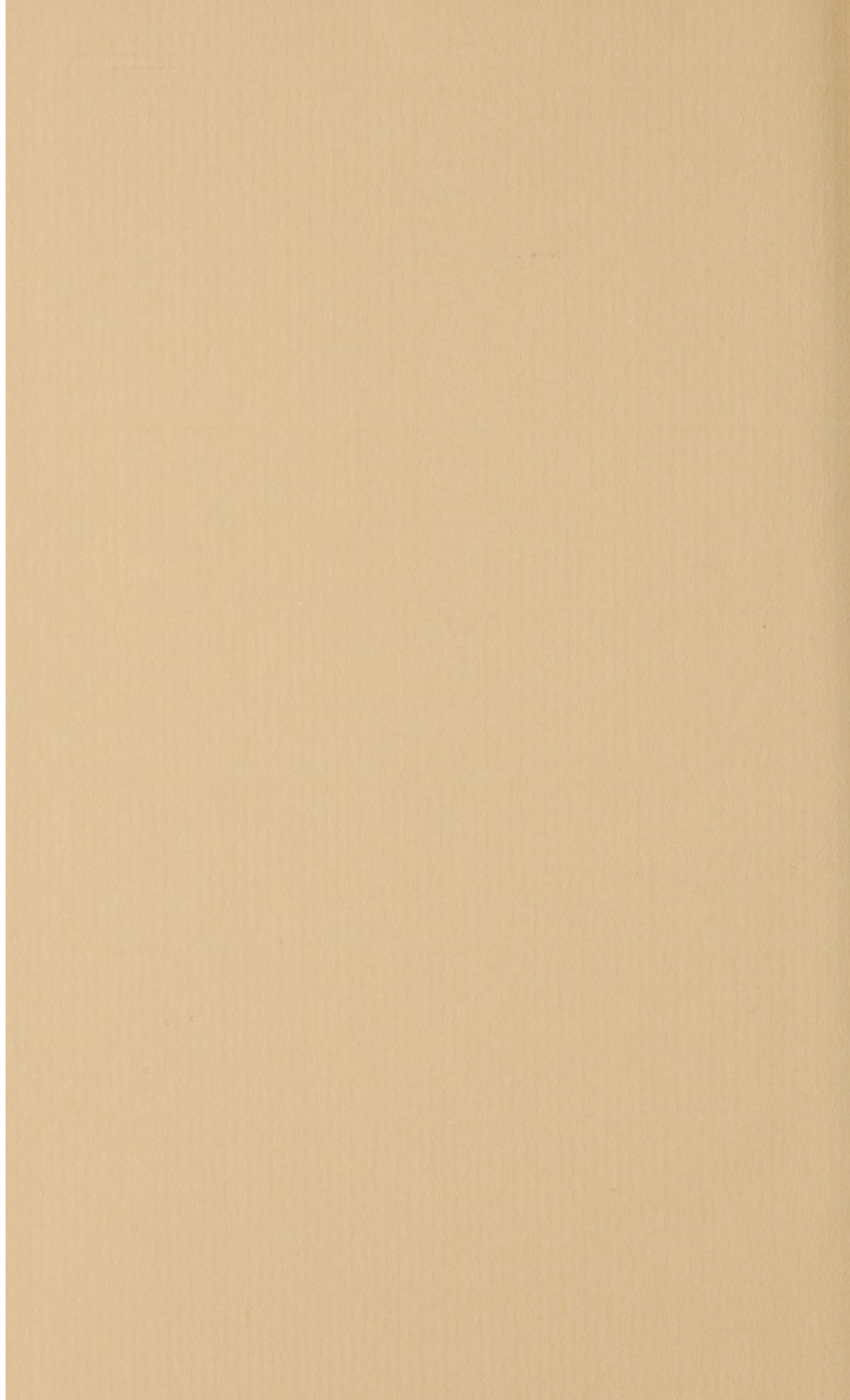


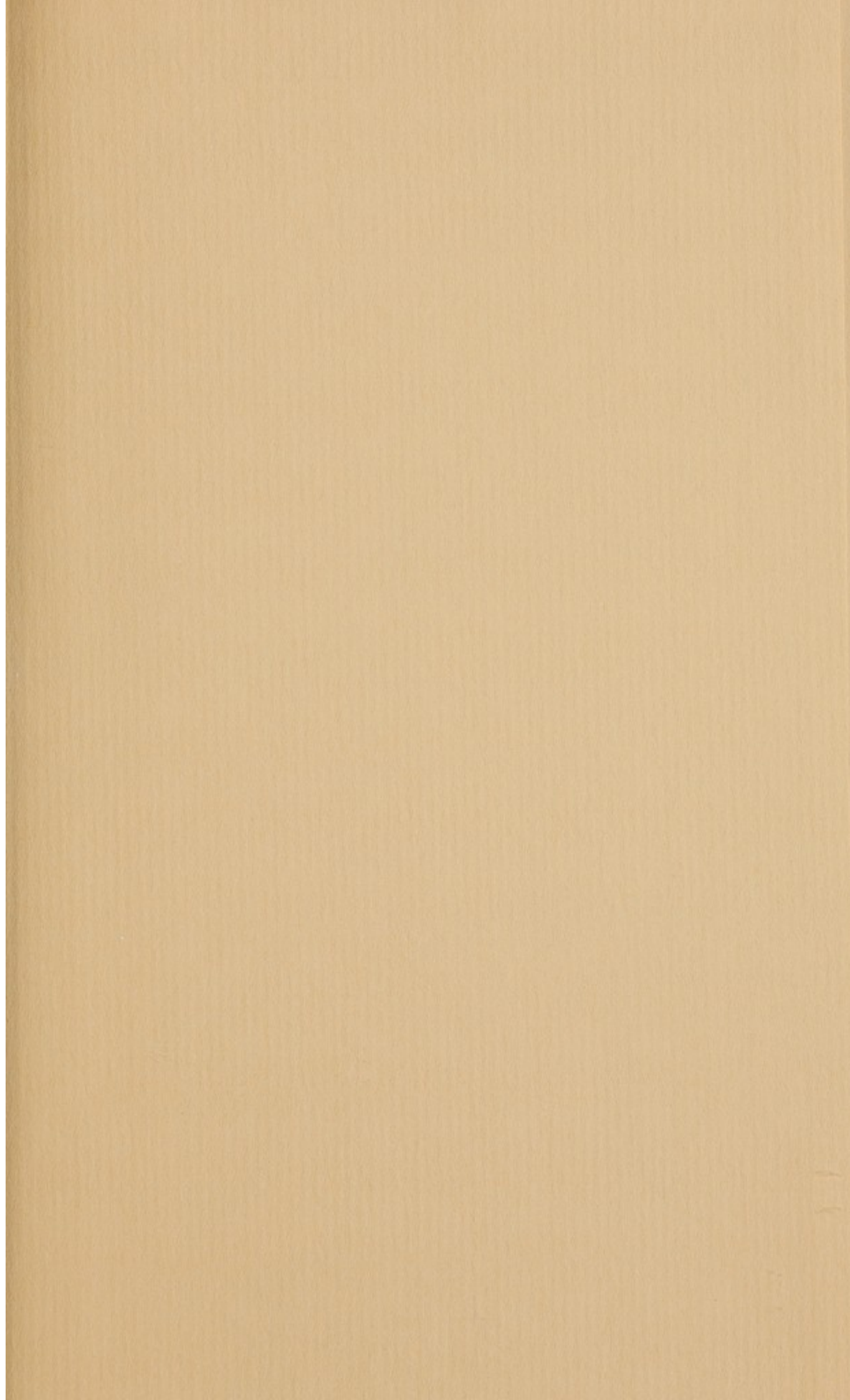














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