

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

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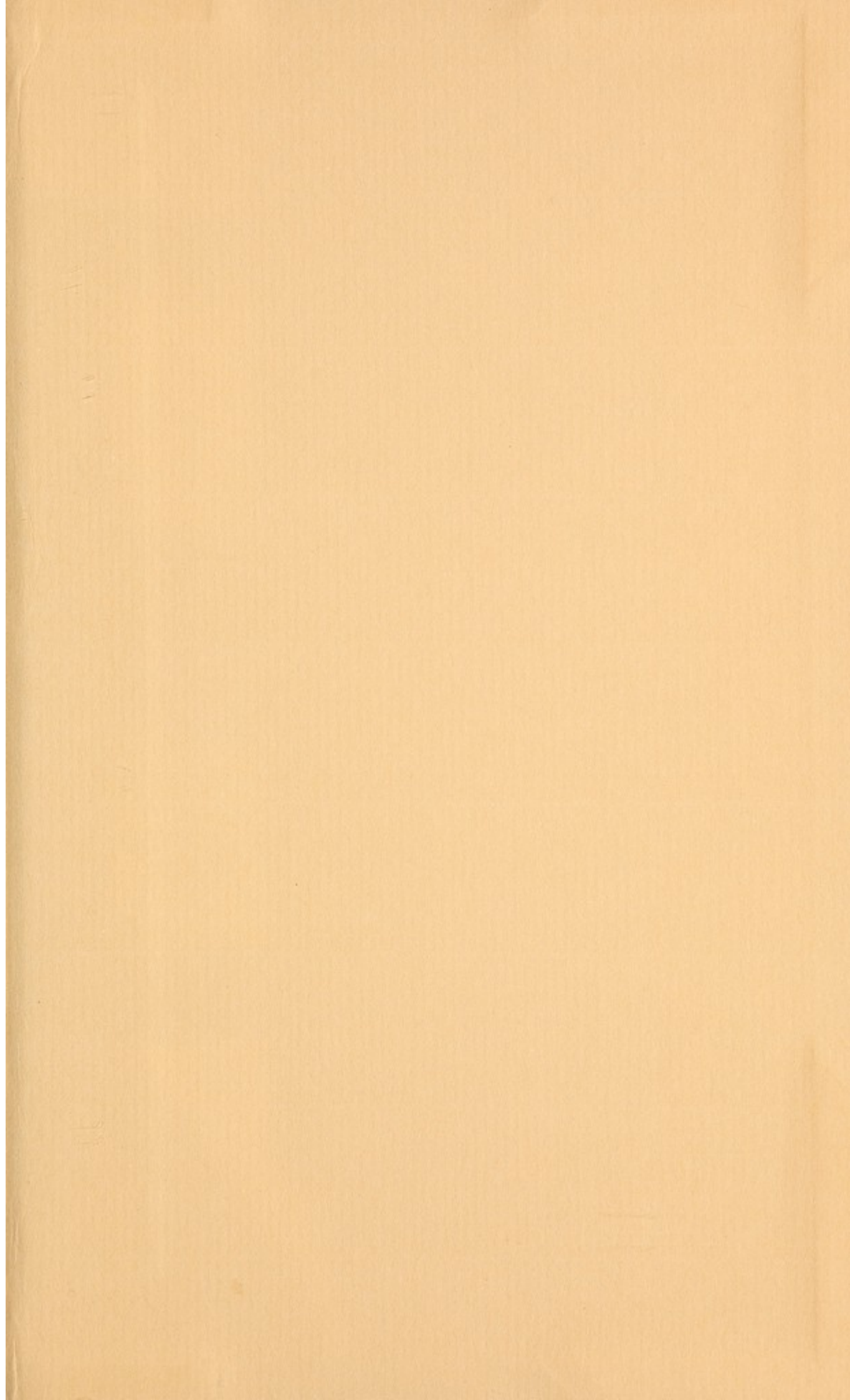
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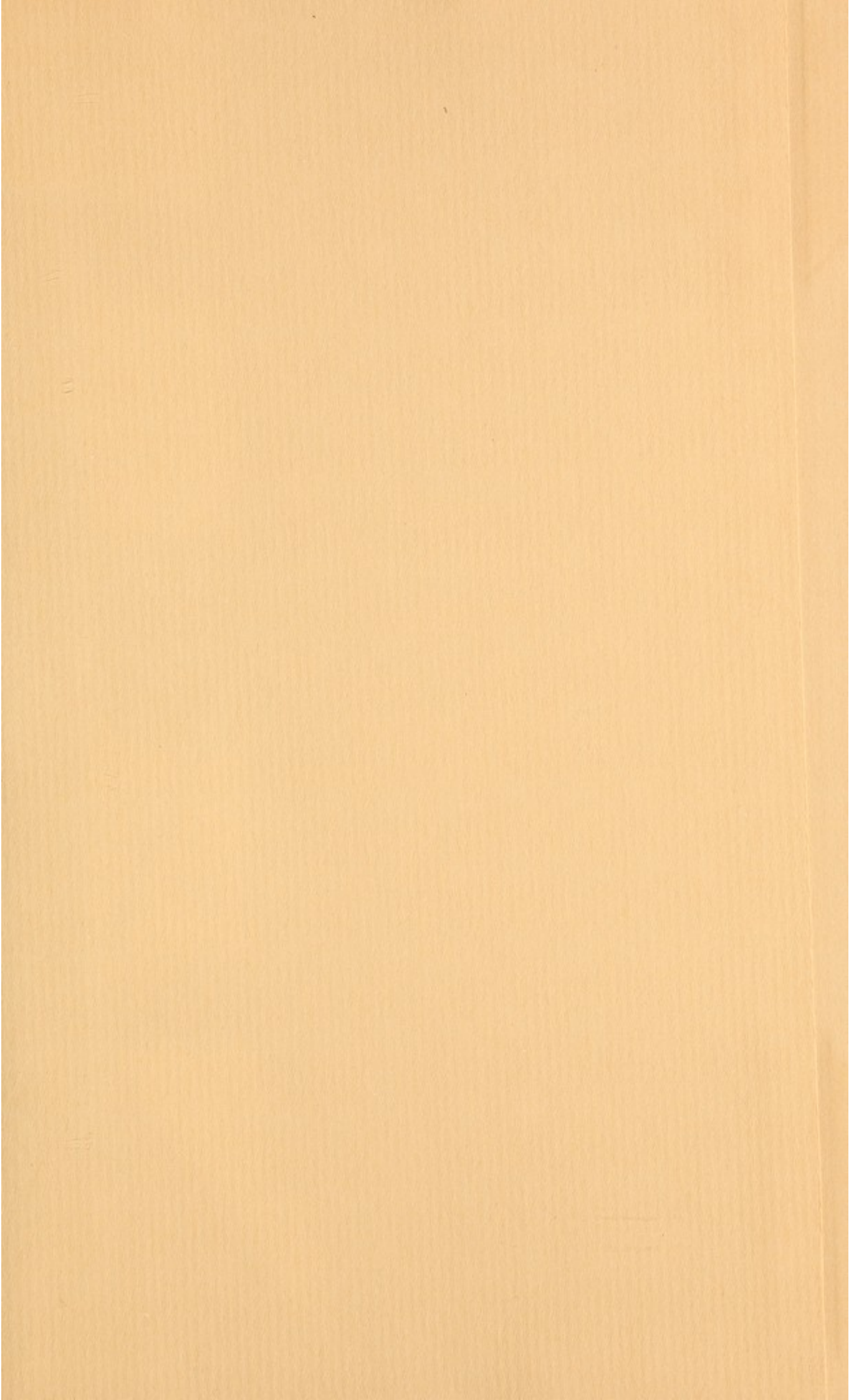
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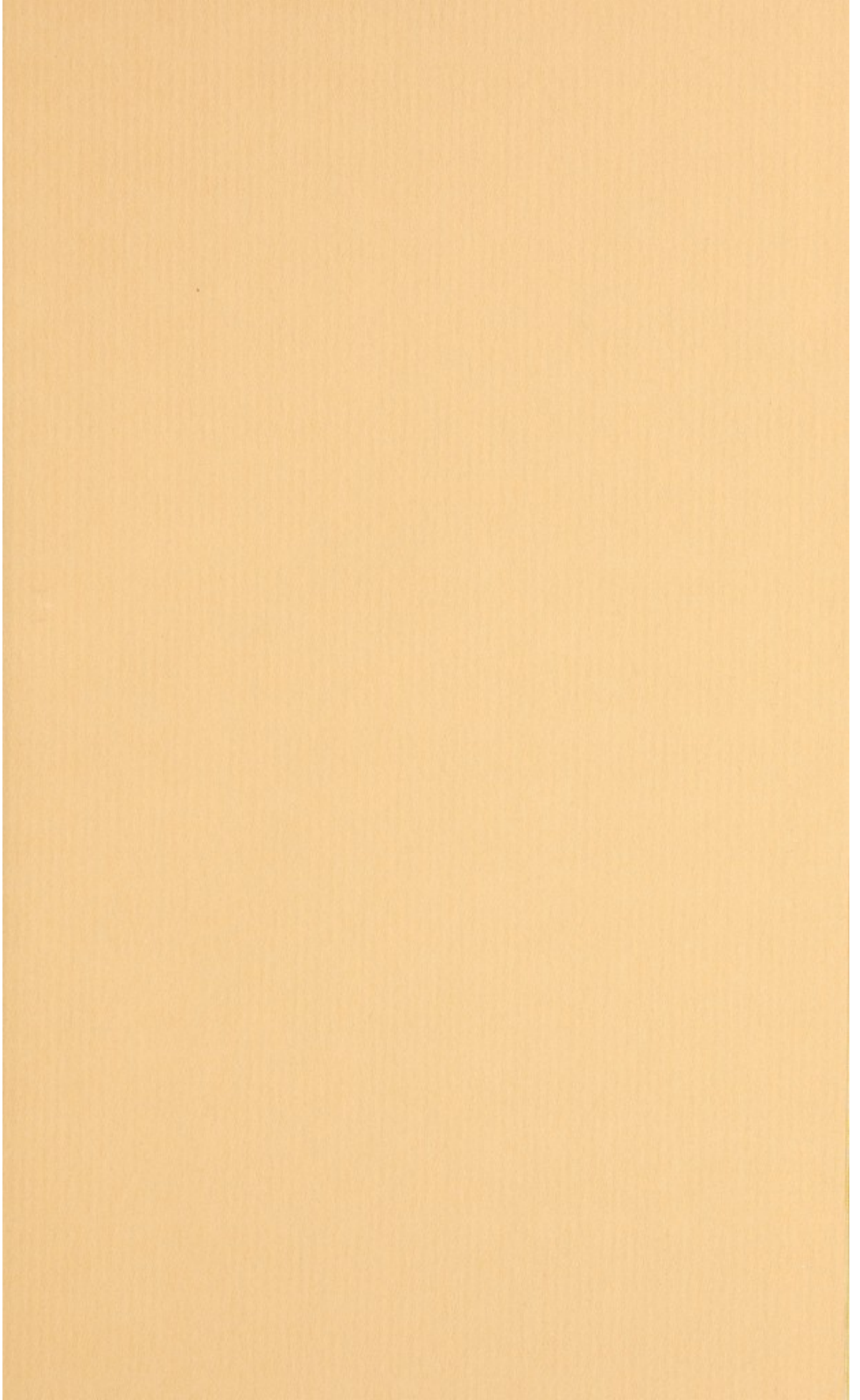


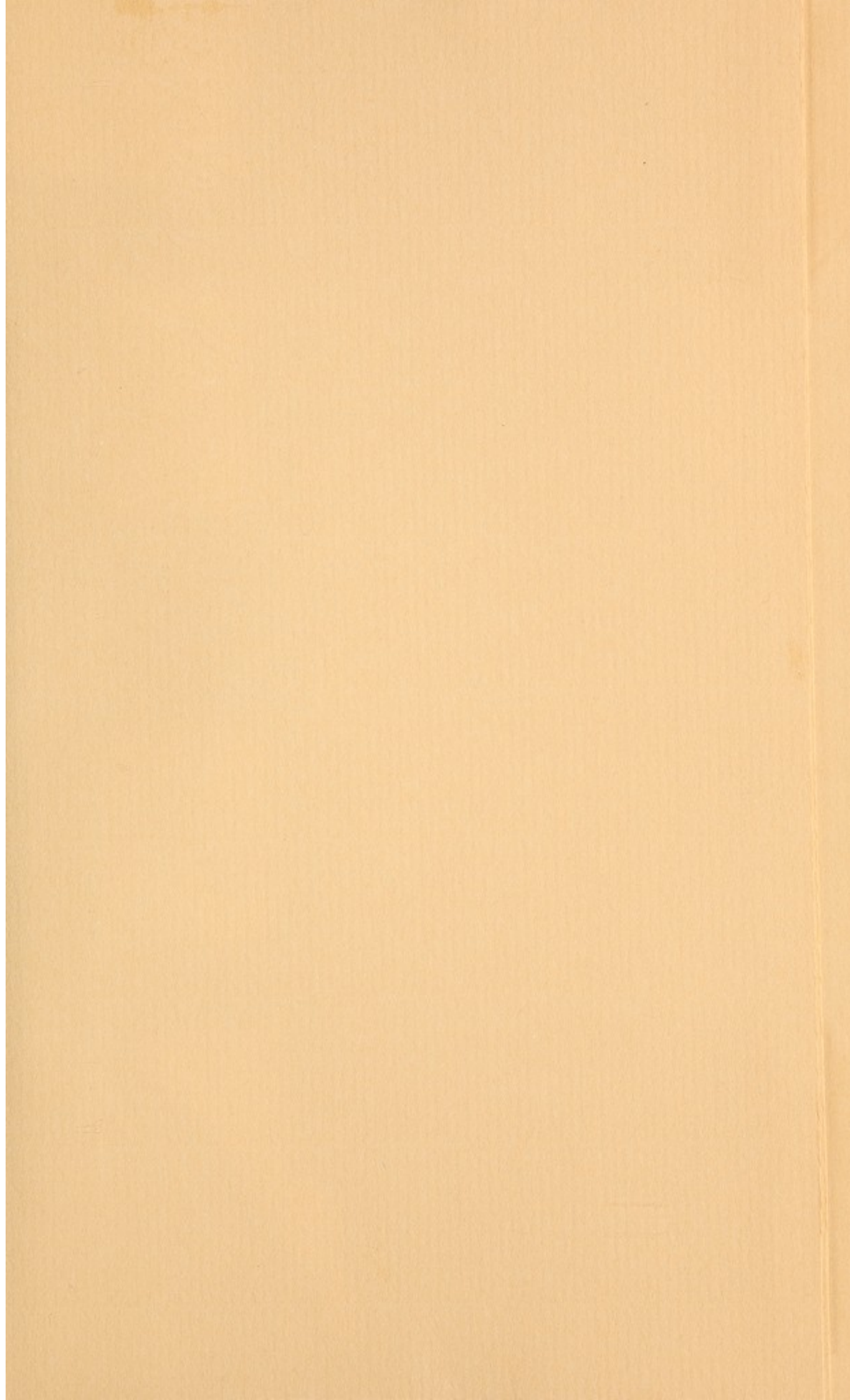
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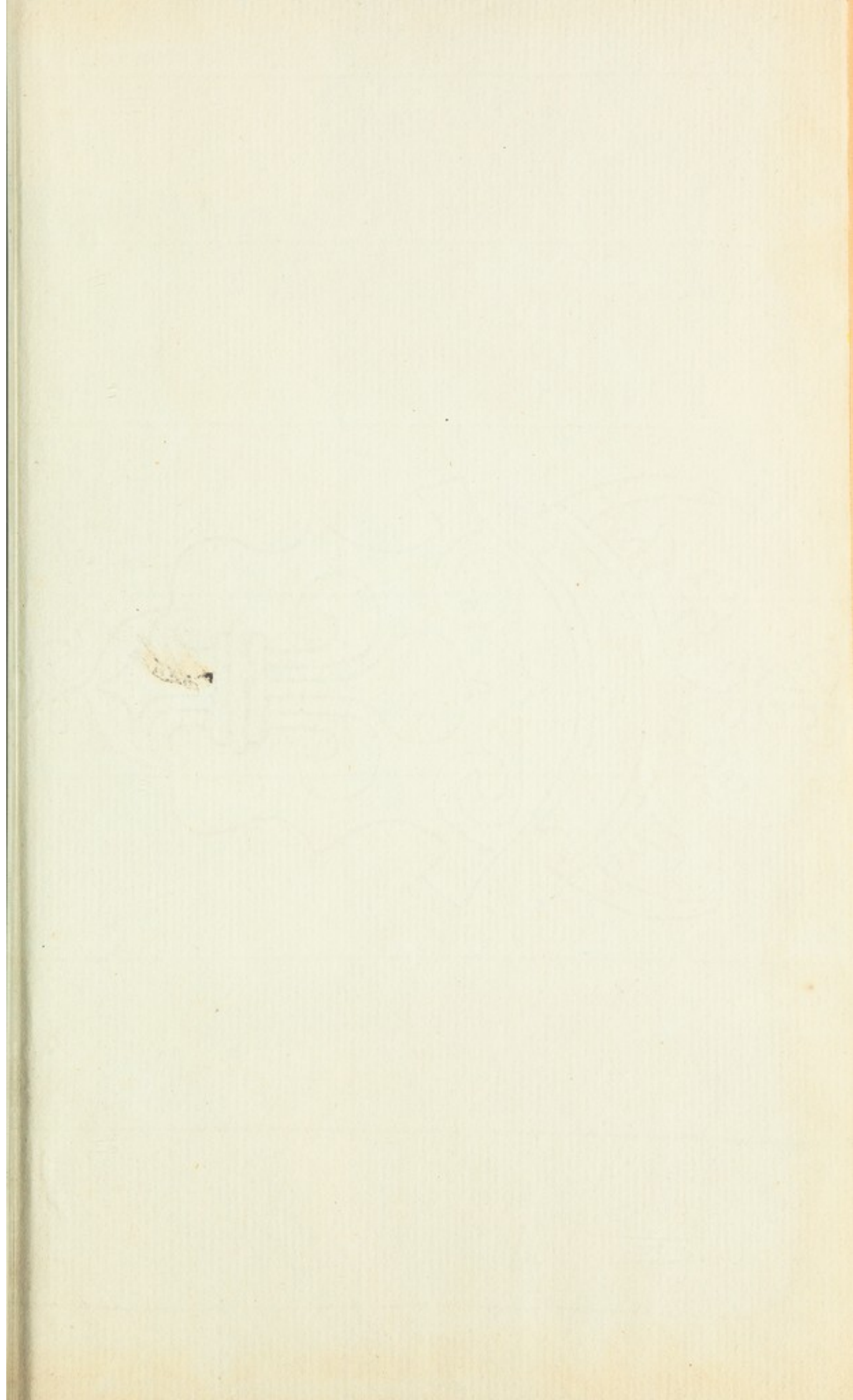












JACOB WATSON & ARNOLD

MUSEI CELEBRARIUM LITERARIUM

STUDIOSISSIMO

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JACOBO PARKINSONO ARMIGERO,

IN

MUSEI CELEBERRIMI LEVERIANI

ADMINISTRATIONE

FACILI ET INGENUA LIBERALITATE

COMMENDATISSIMO,

DECIMUM SEXTUM

HUNC

NATURÆ VIVARII

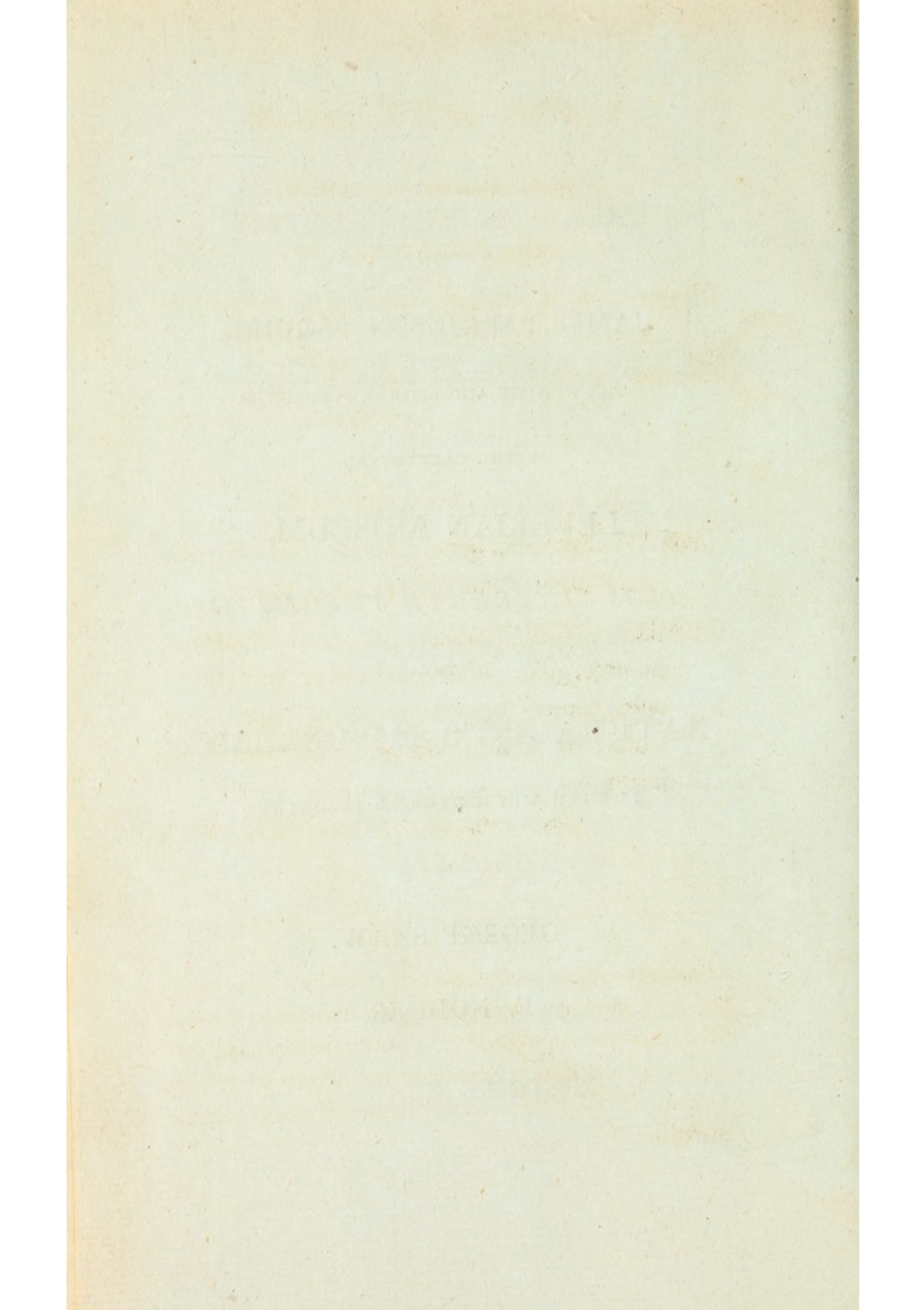
FASCICULUM

D. D. D.

GEORGIUS SHAW.

E. NODDER.

TO
JAMES PARKINSON ESQUIRE,
THE WORTHY AND LIBERAL PROPRIETOR
OF THE CELEBRATED
LEVERIAN MUSEUM,
THIS SIXTEENTH VOLUME OF
THE
NATURALIST'S MISCELLANY
IS WITH MUCH REGARD INSCRIBED
BY
GEORGE SHAW.
E. NODDER.



LANIUS GUTTURALIS.



CHARACTER GENERICUS.

Rostrum rectiusculum, dente utrinque versus apicem, basi nudum.

Lingua lacera.

Lin. Syst. Nat. p. 134.

CHARACTER SPECIFICUS, &c.

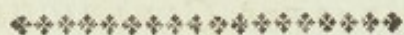
LANIUS olivaceus, gula coccinea, lunula pectorali nigra, fronte humerisque flavis.

LANIUS GUTTURALIS. L. viridi-olivaceus, mento, gula, infero pectore et ano coccineis; fronte humerisque flavis, cum linea oculari in lata lunula pectorali transversa protensa.

DAUDIN. *Ann. Mus. d'Hist. Nat.*

In regionibus Africanis calidioribus generatur *Lanius gutturalis*, eadem magnitudine qua *Lanius Excubitor* seu vulgaris. Sedem præcipue seligere dicitur in excelsis arborum cacuminibus, et in hoc plerisque sui generis esse dissimilis quod baccis vescatur.

THE
RED-THROATED BUTCHER-BIRD.



GENERIC CHARACTER.

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

Tongue jagged.

SPECIFIC CHARACTER, &c.

Olive BUTCHER-BIRD, with scarlet throat, black pectoral crescent, and yellow front and shoulders.

Pic-Grièche à gorge rouge.

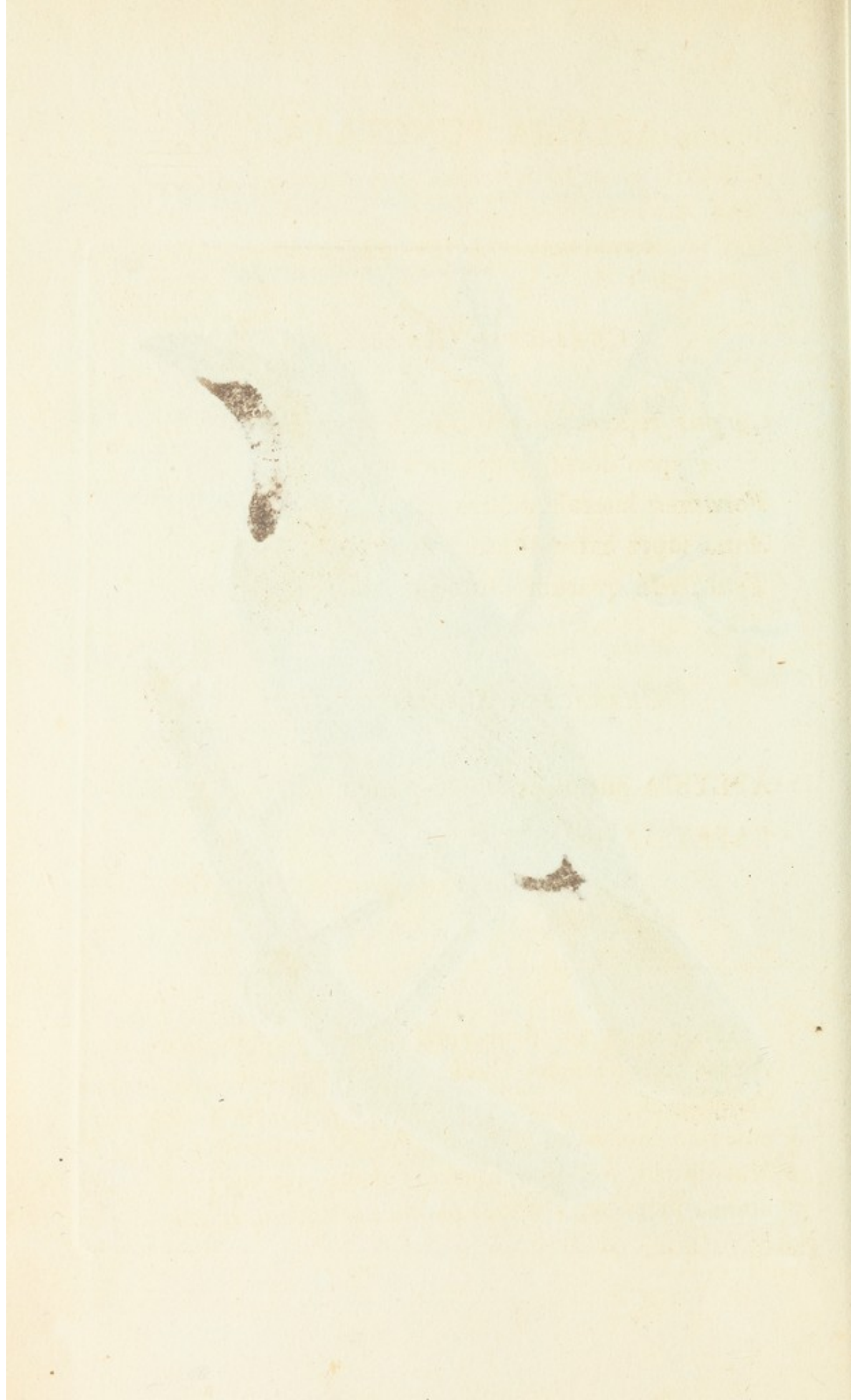
DAUDIN. *Ann. Mus. d'Hist. Nat.*

This bird is a native of the warmer parts of Africa, and is equal in size to the great grey or common Butcher-Bird. It is said chiefly to frequent the tops of lofty trees, and, contrary to most of the genus, to feed on various kinds of berries.

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R. P. M. Delt. Delpt.



APLYSIA PUNCTATA.



CHARACTER GENERICUS.

Corpus repens obvelatum membranis reflexis,
clypeo dorsali pulmones obtegente.

Foramen laterale dextrum.

Anus supra extremitatem dorsi.

Tentacula quatuor, anterieus sita.

CHARACTER SPECIFICUS, &c.

APLYSIA purpurea albido-punctata.

LAPLYSIA PUNCTATA.

CUVIER. *Ann. d'Hist. Nat.*

Aplysiam quam depinximus primus descripsisse videtur celeberrimus Cuvierus utpote speciem genuinam, et a reliquis vere sejunctam. Narrat ille non raro latere eam sub saxis lapidibusque littoris Massiliensis, vel ipso limace vulgari seu hortensi tardius incedere, vescique parvulis testaceis, et reliquis

quis ejusmodi. Si quis eam turbaverit seu contrec-
taverit, liquorem purpureum e corporis meatibus
emittere solet, aquasque propius circumfusas con-
colores reddere. Creditur Aplysiam punctatam pro-
lis esse fœcundam, pullosque spatio bimestri plene
adolevisse.

NATIONAL MUSEUM OF VICTORIA



THE
SPECKLED APLYSIA.



GENERIC CHARACTER.

Body repent, covered by reflected membranes
and a dorsal shield.

Foramen on the right side.

Vent situated at the extremity of the back.

Tentacula four, situated in front.

SPECIFIC CHARACTER.

Purple APLYSIA with whitish specks.

LAPLYSIA, PUNCTATA.

Ann. Mus. d'Hist. Nat. No. 10.

The present species of *Aplysia* appears to have
been first distinguished as a separate species by the
celebrated Mons. Cuvier, who assures us that it is
very

very common about the coasts of Marseilles, generally lying concealed beneath rocks or stones, moving in a slower manner than even the common garden slug, and feeding on very small testacea, &c. When disturbed or handled it discharges from its pores a purple juice, discolouring the water to some small distance round. It is supposed to be a prolific animal, and the young are said to arrive at their full size in the space of two months at farthest.

OSTREA JACOBÆA.



CHARACTER GENERICUS.

Animal Tethys.

Testa bivalvis, inæquivalvis, subaurita.

Cardo edentulus fossula cava ovata striisque lateralibus transversis.

CHARACTER SPECIFICUS, &c.

OSTREA JACOBÆA. O. testa inæquivalvi radiis quatuordecim angulatis longitudinaliter striatis.

Gualt. test. t. 99. f. B.

Lesser testacoth. f. 139.

In oris Europæis sæpius reperitur *Ostrea Jacobæa*, coloribus non raro varians, *Ostrea maxima*, ut plurimum, paulo minor.

THE
JACOBÆAN SCALLOP.



GENERIC CHARACTER.

Animal allied to a Tethys.

Shell bivalve: valves unequal, subauriculated.

Hinge toothless, with an ovate fossule and transverse lateral streaks.

SPECIFIC CHARACTER, &c.

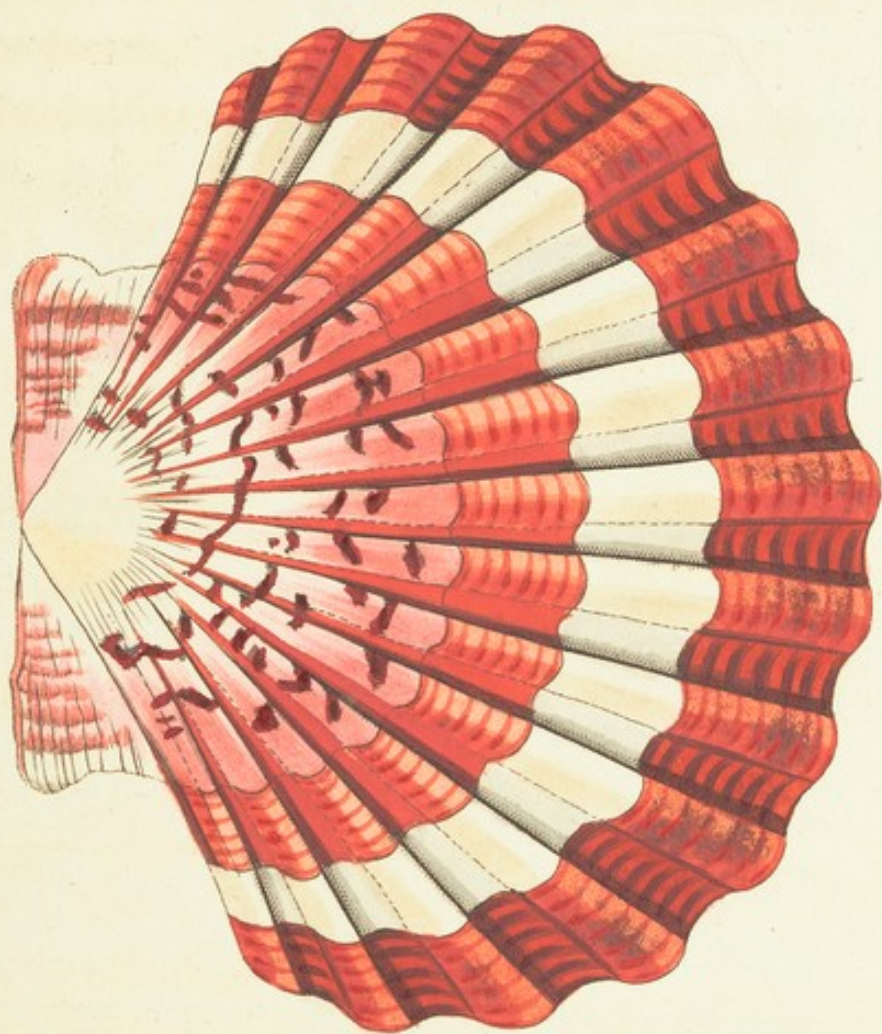
SCALLOP with fourteen angular, longitudinally-striped rays.

Lesser SCALLOP.

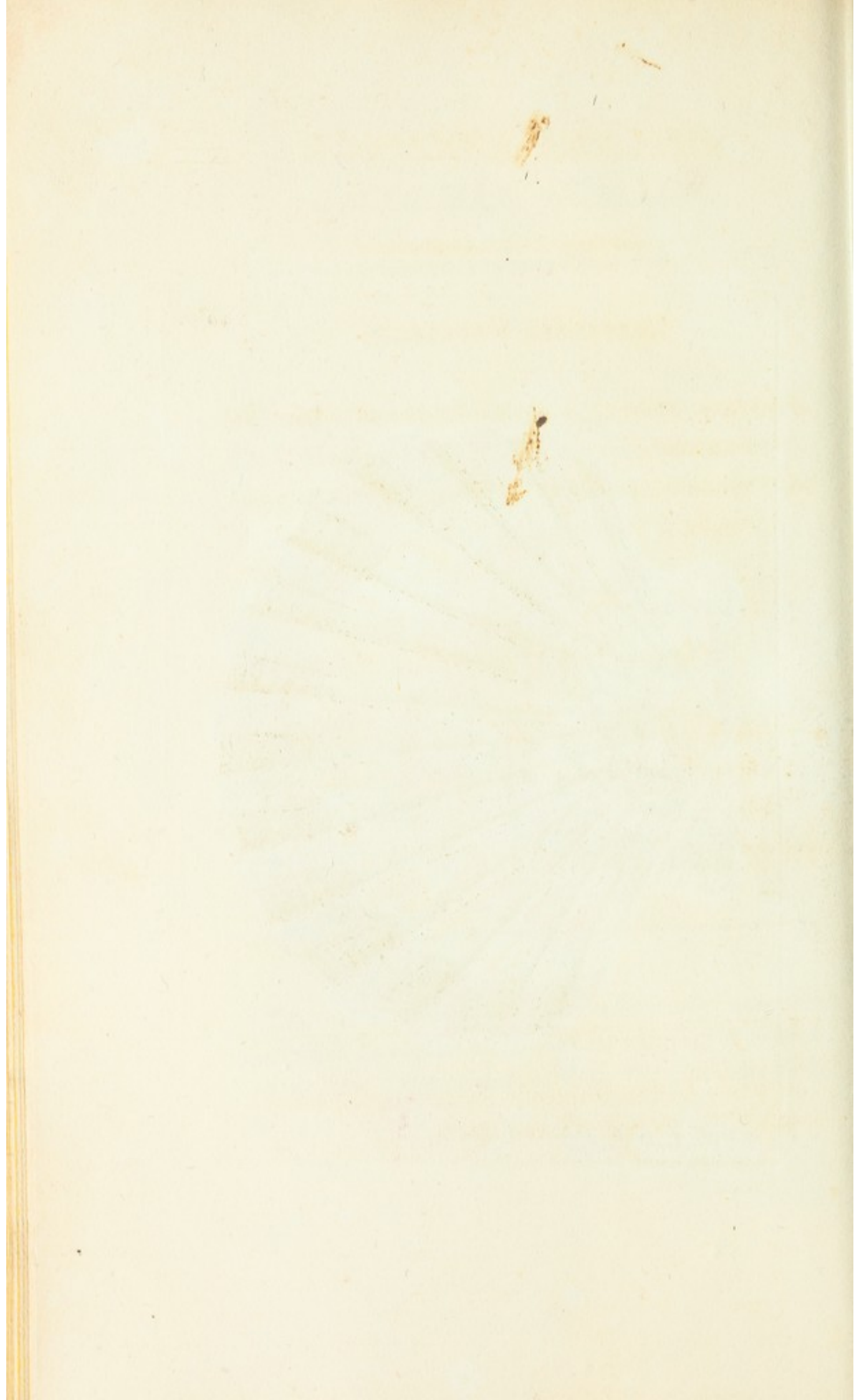
Penn. Brit. Zool. pl. 60. f. 62.

The Jacobæan Scallop is sufficiently common about the European coasts, often varying in colour, and generally rather smaller than the common Scallop.

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~~640~~



R. P. N. - Del^t Sculp^t.



PHALÆNA APOLLONIA.



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 alba, alis omnibus macula ocellata fasciisque transversis nigris luteo marginatis.

PHALÆNA APOLLONIA.

Cram. t. 250. f. A.

Attaci.

Africam Australem incolit pulchra hæc phalæna, magnitudine vera in tabula depicta.

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R.P.N. - Delt. Sculpt.

APOLLONIA.



GENERIC CHARACTER.

Antennæ setaceous, decreasing in size from base to point.

Wings (when at rest) generally deflected.

Flight nocturnal.

SPECIFIC CHARACTER.

White *Phalæna* with all the wings marked by a black ocellated spot and transverse black bands edged with yellow.

This beautiful *Phalæna* is a native of the southern parts of Africa, and is represented on the plate in its natural size.

PAVO SPICIFER.



CHARACTER GENERICUS.

Caput pennis revolutis tectum.

Pennæ uropygii elongatæ, ocellatæ.

Lin. Syst. Nat. p. 267.

CHARACTER SPECIFICUS, &c.

PAVO capite cæruleo, pennis cristæ lanceolatis
erectis, fascia utrinque suboculari lutea.

PAVO muticus. P. capite crista subulata, cal-
caribus nullis?

PAVO japonensis.

Lin. Syst. Nat. p. 268.

Aldrov. orn. 2. p. 35.

Eandem sibi patriam vindicat pulcherrima hæc
avis quam et pavo vulgaris; Indiam scilicet, ibique
præcipue regiones montanas. Moribus modoque
vivendi pavoni vulgari similis esse dicitur, a quo
etiam verisimile est sæpius non fuisse discretam.
Speciem tamen revera esse diversam satis probat

B

peculiaris

peculiaris cristæ conformatio, nec non macula saturatim flava utrinque sub oculis sita. Si idem sit *pavo muticus* Linnæi, (*spicifere* Buffoni) atque hæc nostra avis; vel in illo describendo evidenter erratum est, vel variare solent colores et alia nonnulla; Linnæus enim, et Aldrovandus, (qui primus descriptor avem quam depictam adeptus est, repræsentavit,) calcaribus carentem ostendunt; quæ in icone unde deducta est nostra similitudo, admodum conspicua sunt: hanc autem effigiem ipsius avis viventis expressit pictor Indicus, eamque nobiscum perhumaniter communicavit Dominus Fleming, chirurgus Anglicus qui prope Calcuttam in Bengala multos annos versatus est.



THE
SPIKE-CRESTED PEACOCK.

GENERIC CHARACTER.

Head covered with revolute feathers.

Uropygial feathers elongated and ocellated.

SPECIFIC CHARACTER.

PEACOCK with blue head, upright lanceolate crest, and yellow band beneath each eye.

The beautiful bird represented on the present plate is, like the common Peacock, a native of India, chiefly inhabiting mountainous regions. It is distinguished as a species by the peculiar structure of its crest, as well as by the bright-yellow patch beneath each eye. In its manners it is said to resemble the common peacock, with which it has probably been often confounded. If it be the bird intended by the *Pavo muticus* of Linnæus, (the *Spicifere* of Buffon,) it is evident either that the description of that species is erroneous, or that the bird is subject

to vary in colour and other circumstances; since Linnæus and Aldrovandus, (who first described it from a painting,) represent it as destitute of spurs, which are conspicuous in the drawing from which the present figure was copied, and which was taken from the life in India, and politely communicated by T. Fleming, Esq. several years resident in the neighbourhood of Calcutta in Bengal.

CANCER MANTIS.



CHARACTER GENERICUS.

Pedes octo (rarius sex aut decem;) insuper manus duæ chelatæ.

Oculi duo, distantes, plurimis pedunculati; elongati, mobiles.

Cauda articulata, inermis.

CHARACTER SPECIFICUS, &c.

CANCER MANTIS. *C. macrourus* articularis, manibus adactylis, compressis, falcatis, serrato-dentatis.

Lin. Syst. Nat. p. 1054.

Squilla MANTIS.

Fabr. sp. ins. 1. p. 514.

CANCER arenarius.

Rumph. mus. t. 3. f. 2.

Nomen adeptus est Cancer *Mantis* ab exilitate et gracilitate corporis; qua in re accedit quodammodo
ad

ad similitudinem insectorum quæ complectitur genus Mantis. In mari innascitur mediterraneo, repertus præcipue apud oras Italicas.

In systemate Fabriciano non satis ad normam re-
dacto datur huic speciei genus distinctum nomine Squillæ.

De novis plurimis generibus nuperrime institutis liceat mihi dicere, me iudice, obscurari ab iis insec-
torum historiam magis quam elucidari, quique antea
satis clarus erat et facilis investigationis modus, eum
incertum sæpius et difficilem reddi.

Major sæpe est Cancer Mantis quam qui in tabula
ostenditur.



R. N. S. 1842

THE
LONG-BODIED CRAB.



GENERIC CHARACTER.

Legs generally eight, (in some species six or ten,) besides two claspers or chelated arms.

Eyes two, commonly distant; footstalked, moveable.

Tail jointed.

SPECIFIC CHARACTER, &c.

Long-tailed many-jointed CRAB, with fingerless, compressed, falcated, tooth-serrated chelæ.

The Cancer Mantis, so named from its long and slender habit, in which it in some measure resembles the insects of the genus *Mantis*, is a native of the mediterranean sea, and is principally observed about the Italian coasts.

In the singular and irregular system of Fabricius, this species ranks under a distinct genus entitled *Squilla*.

I may

I may here be permitted to observe, that of many new genera which the spirit of modern entomologists has endeavoured to establish it may with truth be affirmed that they have rather tended to obscure than elucidate the history of insects, by rendering that investigation troublesome and uncertain which was before sufficiently easy and clear.

The Cancer Mantis is often found of a much larger size than represented on the present plate.

MEDUSA NUMMULARIA.



CHARACTER GENERICUS.

Corpus gelatinosum, orbiculatum, depressam.

Os subtus, centrale.

Lin. Syst. Nat. p. 1096.

CHARACTER SPECIFICUS, &c.

MEDUSA orbicularis albida subpellucida radiata, subtus appendicibus tribus cæruleis.

Le PORPITE appendiculée.

Nouv. Dict. d'Hist. Nat.

Pulchram hanc Medusam, marium septentrionalium incolam, juxta magnitudinem naturalem depinximus. Radit sæpius hæc species summas aquas catervatim congregata. Habitu seu facie generali simillima est Medusæ Porpitæ Linnæi, quam inter et hanc nostram sæpius nullum discrimen fecisse videntur descriptores.

MEDUSA NUMMULARIA

CHARACTER GERICUS

Corpus gelatinosum, orbiculatum, depressum.
Os subtile, centrale.

Lin. Syst. Nat. p. 1006.

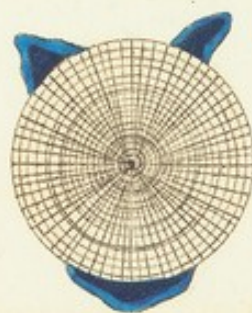
CHARACTER SPECIFICUS, &c.

MEDUSA orbicularis albidis subpellucidis radiis
data, subtile appendicibus tribus cartilagineis.

Le FORSTER appendicibus

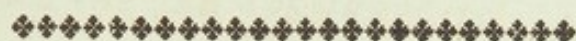
Nomen. Hist. Nat.

Postquam hanc Medusam, animum expectantem
longi intervallo, postea negotiosissime naturam de-
prensimus. Hanc aquas hinc species annuas aquas
catervatim congregata. Hanc seu hanc
similium est. Hanc hanc hanc hanc hanc
et hanc nostram aquas nullam distinctionem
dentur designata.



R.P.N. Delat. Engrs.

THE
NUMMULAR MEDUSA.



GENERIC CHARACTER.

Body gelatinous, orbicular, depressed.

Mouth beneath, central.

SPECIFIC CHARACTER.

Whitish, orbicular, subpellucid, radiated MEDUSA, with three blue appendices beneath.

The beautiful Medusa represented in its natural size on the present plate is a native of the northern seas, where it is often observed in considerable numbers, swimming on the surface of the water. In its general habit it bears the greatest resemblance to the Medusa Porpita of Linnæus, with which it appears to have been generally confounded.

NUMMULAR MEDUSA.

GENERIC CHARACTER.

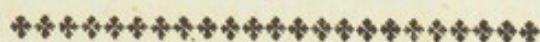
Body gelatinous, orbicular, depressed.
Mouth beneath, central.

SPECIFIC CHARACTER.

Whitish, orbicular, subpellucid, radiated ME-
DESA, with three blue appendices be-
neath.

The beautiful Medusa represented in its natural size on the present plate is a native of the northern seas, where it is often observed in considerable numbers swimming on the surface of the water. In its general habit it bears the greatest resemblance to the Medusa Topia of Linnæus, with which it appears to have been generally confounded.

PHALÆNA FABIA.



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 rotundatis luteis, macula marginali lineisque transversis undulatis fuscis.

PHALÆNA Fabia.

Cram. t. 256. *f.* B.

Varias Indiæ partes incolit Phalæna Fabia, cujus veram magnitudinem ostendit tabula.

PHALÆNA FABIA.

CHARACTER GENERICUS.

Intensius sordens, a basi ad apicem sensim at-

tennans.

Alis (secundis) scapulis debent. (rotula nocturna.)

Linn. Syst. Nat. p. 608.

CHARACTER SPECIFICUS, &c.

PHALÆNA alis rotundatis lateis, macula mar-

ginali lineisque transversis undulatis fuscis.

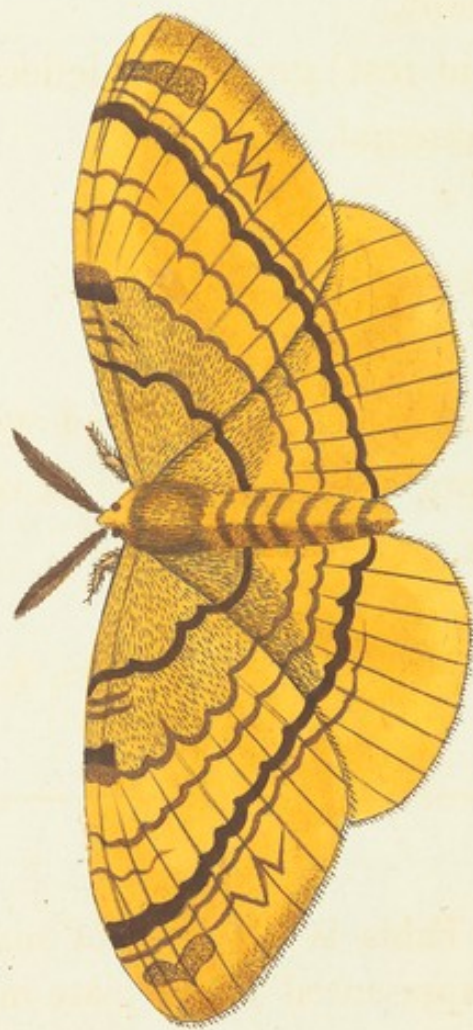
PHALÆNA Fabia.

Crim. L. 250. f. n.

Varia India partes incolle Phalæna Fabia, cujus

veram magnitudinem ostendit tabula.

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R. P. No. 1000 Del. Gault.

FABIA.



GENERIC CHARACTER.

Antennæ setaceous, gradually lessening from base to point.

Wings (when at rest) generally deflected.

Flight nocturnal.

SPECIFIC CHARACTER.

MOTH with deep-yellow rounded wings, with brown marginal spot and transverse undulated lines.

PHALÆNA FABIA.

Cram. t. 250. f. B.

The *Phalæna Fabia* is a native of many parts of India, and is represented on the plate in its natural size.

TABIA

CHARACTERISTICS

GENERAL CHARACTERISTICS

Antennae setaceous, gradually lessening from base to point.

Wings (when at rest) strongly deflexed.

Flight nocturnal.

SPECIFIC CHARACTERISTICS

MOTH with deep yellow rounded wings, with

broken marginal spot and transverse undu-

lated lines.

PHALANA TABIA

CYPRUS. A. 1850.

The Phalana Tabia is a small and many parts of
faded and is very rare in its natural

LANIUS JOCOSUS.



CHARACTER GENERICUS.

Rostrum rectiusculum, dente utrinque versus
apicem, basi nudum.

Lingua lacera.

Lin. Syst. Nat. p. 134.

CHARACTER SPECIFICUS, &c.

LANIUS fuscus capite nigro, macula subocu-
lari crissoque coccineis.

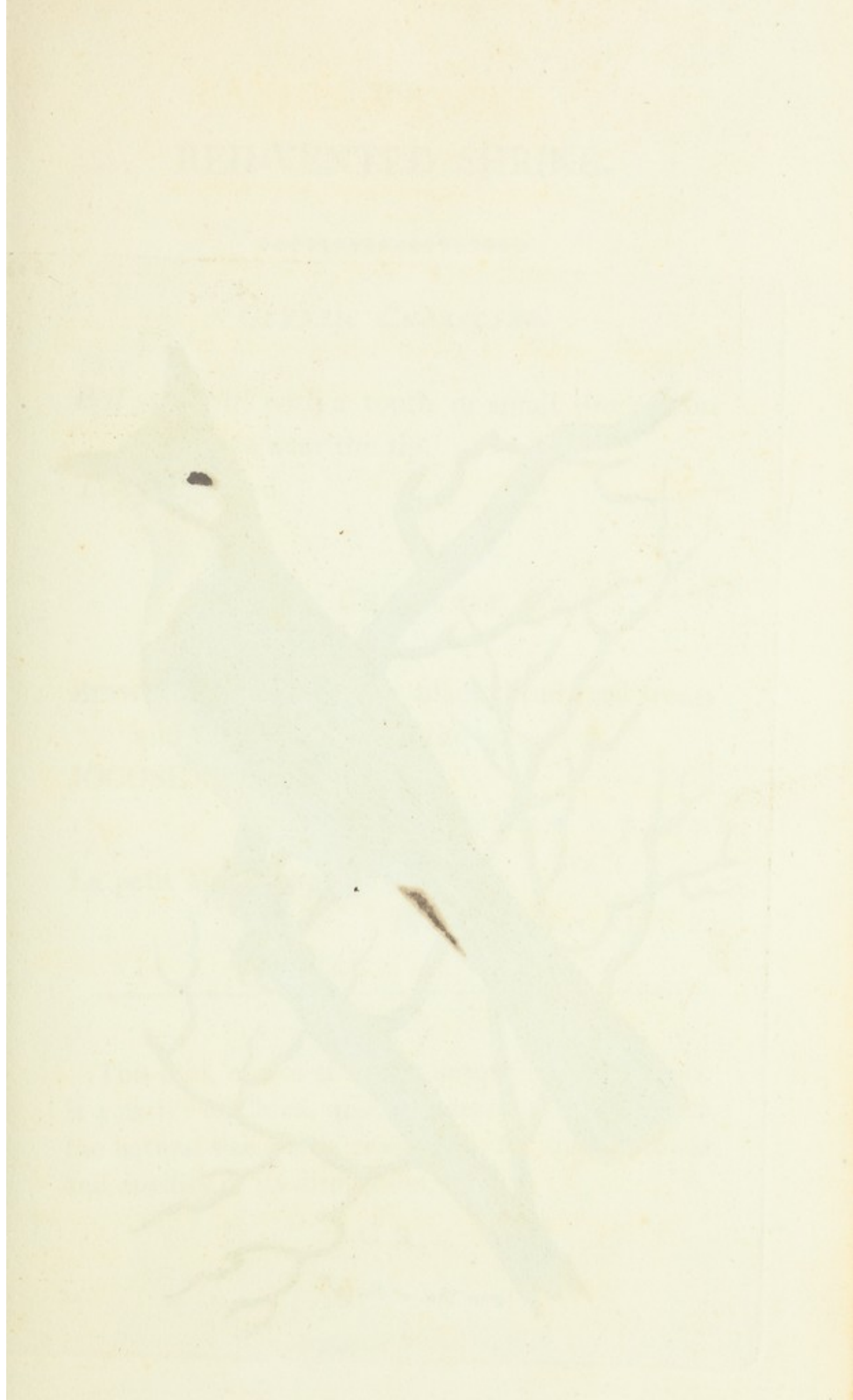
LANIUS JOCOSUS. L. cauda rotundata, cor-
pore griseo, palpebra inferiore purpurea,
ano sanguineo.

Lin. Syst. Nat. p. 138.

MERULA sinensis cristata minor.

Briss. 2. p. 255. t. 21. f. 2.

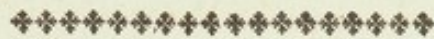
Avem Sinæ incolam magnitudine deminuta repræ-
sentavimus, inter pulcherrimas sui generis species
numerandam, ingenio præditam agili alacrique, et
apto ad imitationem.





RPN. Del. et. Sculp^t.

THE
RED-VENTED SHRIKE.



GENERIC CHARACTER.

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

Tongue jagged.

SPECIFIC CHARACTER, &c.

Brown SHRIKE, with black head, red vent,
and red spot beneath the eyes.

JOCOSE SHRIKE.

Lath. Syn. 1. p. 175.

La petit Merle hupé de la Chine.

Briss. orn. 2. t. 21. f. 2.

This bird, one of the most beautiful of the genus,
is a native of China, and is represented smaller than
the natural size: it is remarkable for the liveliness
and docility of its disposition.

PHALÆNA TARQUINIA.



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 superioribus nigris, linea media furcata alba, inferioribus fulvis.

PHALÆNA TARQUINIA.

Cram. t. 4. f. A.

Americam australem incolit *Phalæna Tarquinia* ejus veram magnitudinem ostendit tabula.

PHALÆNA TARQUINIA

CHARACTERES SPECIFICI.

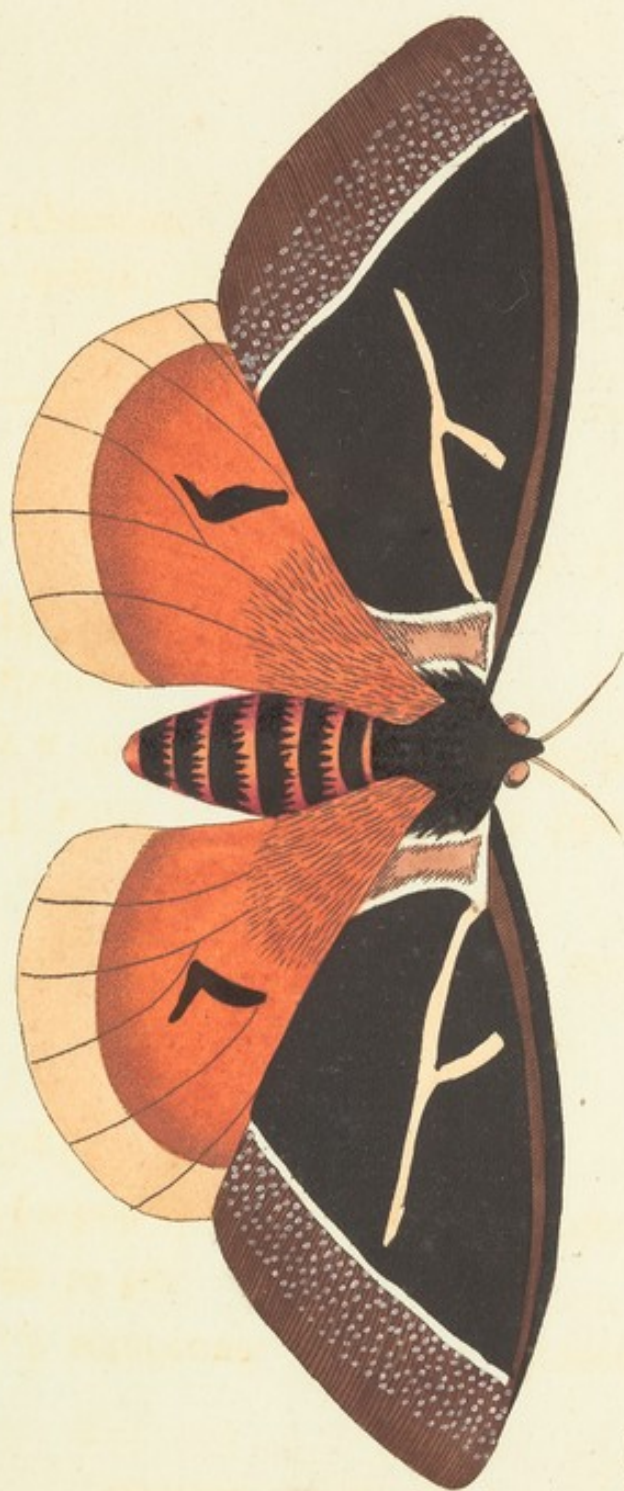
Antennæ sesquialteræ a basi ad apicem sexarticulæ.
Alis (sedentis) angustis, obliquis (velut nocturnis).
Linn. Syst. Nat. p. 808.

CHARACTERES SPECIFICI, &c.

PHALÆNA albis superioribus nigris, lineis nig-
ris fuscis albis, inferioribus fuscis.
PHALÆNA TARQUINIA.

Cramer p. 4. f. 1.

Amicorum nostrorum incole, Phalæna Tarquinia
eius vestim. magnitudinem ostendit tabula.



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no. 646

TARQUINIA.



GENERIC CHARACTER.

Antennæ setaceous, gradually lessening from base to tip.

Wings (when sitting) generally deflected.
(Flight nocturnal.)

SPECIFIC CHARACTER, &c.

MOTH with the upper wings black, marked by a forked middle line; the lower wings fulvous.

TARQUINIA.

Cram. pap. 1. *pl.* 4. *f.* A.

This elegant species is a native of South-America, and is represented on the plate in its natural size.

TARQUINIA

GENERIC CHARACTER.

Antennae setaceous, gradually increasing from
base to tip.
Wings (when sitting) generally folded.
(Flight not known.)

SPECIFIC CHARACTER.

MOTH with the upper wings black, marked
by a forked middle line; the lower wings
filvous.

TARQUINIA

Cat. pap. i. pl. 31. f. 4.

This elegant species is a native of South America
and is represented on the plate in its natural size.

LUCERNARIA QUADRILOBA.



CHARACTER GENERICUS.

Corpus gelatinosum, rugosum, ramosum.

Os inferum.

Lin. Syst. Nat. Gmel. p. 3151.

CHARACTER SPECIFICUS, &c.

LUCERNARIA rubra, brachiis quatuor apice
tentaculatis.

LUCERNARIA quadricornis. L. Corpore elon-
gato tortili, brachiis quatuor dichotomis,
apice tentaculatis.

Lin. Syst. Nat. Gmel. p. 3151.

Müll. Zool. Dan. t. 39. f. 1.—6.

Mirum hoc Zoophyton, cui cum hydris arctissima videtur esse affinitas, ad genus ab iis separatum, et nomine *Lucernariæ* distinctum, primus retulit celeberrimus Müllerus in opere cui titulus *Zoologia Danica*. Maria incolit septentrionalia, repertum præcipue

cipue circa oras Danicas et Norvegianas; adhæretque
fucis, aliisque multis quæ in oceano nascuntur. Nec
ab ipsis Britannis omnino ignoratur, cum paucis ab-
hinc annis perpulchrum detexerit specimen prope
littus Hibernicum Dominus Templetonus Linnæanæ
societatis Londinensis socius. Exhibet tabula na-
turalem magnitudinem.



R. P. Noddy, Sculp.

THE
FOUR-LOBED LUCERNARIA.



GENERIC CHARACTER.

Body gelatinous, wrinkled, branched.

Mouth beneath.

SPECIFIC CHARACTER, &c.

Red LUCERNARIA, with four arms tentaculated at the tip.

Müll. Zool. Dan. t. 39. f. 1.—6.

This highly curious Zoophyte, allied in the strongest manner to the Polypes, seems to have been first considered as forming a distinct genus by the celebrated Müller in his *Zoologia Danica*, under the title of Lucernaria. It is a native of the northern seas, and has been chiefly observed about the shores of Denmark and Norway, adhering to fuci and other marine substances; nor is it altogether a stranger to the British isles, a very fine specimen having been discovered

discovered some years past on the coast of Ireland
by the ingenious Mr. Templeton, Fellow of the Lin-
naean Society. The plate represents it in its natural
size.

CYPRÆA FRAGILIS

ET

CYPRÆA ARABICA.



CHARACTER GENERICUS.

Animal Limax.

Testa univalvis, involuta, subovata, obtusa,
lævis.

Apertura utrinque effusa, linearis, utrinque den-
tata, longitudinalis.

Lin. Syst. Nat. p. 1172.

CHARACTER SPECIFICUS, &c.

CYPRÆA FRAGILIS. C. testa turbinata ovata
glauca, testaceo-undata subfasciata.

Lin. Syst. Nat. p. 1175.

Mus. Lud. Ulric. 570. n. 188.

Gualt. test. t. 16. f. q.

Habitat in mari mediterraneo.

CHARACTER SPECIFICUS, &c.

CYPRÆA ARABICA. C. testa subturbinata
characteribus inscripta, macula longitudi-
nali simplici.

Lin. Syst. Nat. p. 1173.

Percellana literata s. ARABICA.

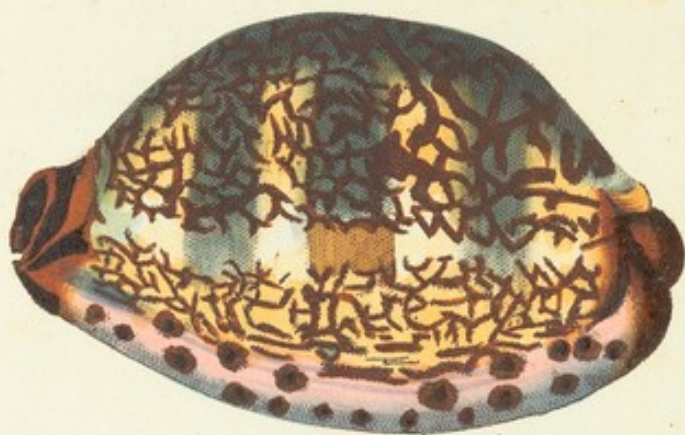
Rumph. mus. t. 38. f. m.

List. Conch. t. 658. f. 3?

Gualt. test. t. 16. f. v.

Habitat in mari Indico.

648



R.P. Nodder D. L. et Sculp.

THE
BRITTLE COWRY
AND
ARABIAN COWRY.



GENERIC CHARACTER.

Animal resembling a Limax or Slug.

Shell univalve, involute, obtuse, ovate.

Aperture linear, longitudinal, toothed on both sides.

SPECIFIC CHARACTER, &c.

BRITTLE COWRY. Glaucous-brown Cowry
with yellowish-brown bands and streaks.

Knorr. vergn. 5. t. 18. f. 2.

Native of the Mediterranean sea.

SPECIFIC CHARACTER, &c.

ARABIAN COWRY. Subturbinated Cowry
with characteriform variegations and violet-
coloured mouth.

List. Conch. t. 658. f. 3.

Native of the Indian seas.

MOTACILLA ROSSICA.



CHARACTER GENERICUS.

Rostrum subulatum, rectum ; mandibulis sub-
æqualibus.

Nares obovatæ.

Lingua lacero-emarginata.

Lin. Syst. Nat. p. 328.

CHARACTER SPECIFICUS, &c.

MOTACILLA grisea, capite nigro, collo utrin-
que albo, pectore abdomineque croceis.

MOTACILLA rubicola. var. β .

Lin. Syst. Nat. Gmel.

MOTACILLA superne nigricans, torque albo
interrupto, pectore atque abdomine supe-
riore croceis.

Lepechin Act. Petrop. 15. t. 25. f. 3.

In Russiæ et Sibiriae betuletis atque locis paludo-
sis præcipue conspicitur Motacilla Rossica, a Domi-
no Lepechin in Actis Petropolitanis ita descripta.

“ Rostrum tenue nigrum, mandibula superior
paulo longior apice incurva uti in congeneribus :

vertex capitis, genæ, gula atque collum anterius
atra, nucha quoque insignitur nigredine a capillitio
ad dorsum producta; partes laterales colli albæ;
qui color etiam summa hypochondriorum tenet:
pectus atque abdomen crocea, sed in abdomine cro-
ceus color magis magisque diluitur ita ut ad pedes
albidus sit: dorsum nigricans margine pennarum
parum rufescente: scapulæ alarum nivæ, rectrices
anteriores nigræ apicibus ex albido rufescentibus:
remiges majores fuscæ, minores nigricantes, omnes
margine vexilli interni ad dimidium albo: uropygium
utrinque niveum: rectrices duodecim æquales nigræ
exceptis utrinque externis, quarum margo vexilli
externi albicat: pedes unguesque nigri. Fæmina
supra fusca marginibus pennarum rufescentibus,
macula alarum candida, gutture sordide albo, pec-
tore atque abdomine dilute rufescente: remiges rec-
tricesque prouti in mare."





THE
RUSSIAN WARBLER.



GENERIC CHARACTER.

Bill subulate, strait: mandibles nearly equal.

Nostrils nearly oval.

Tongue jagged, or lacerated towards the tip.

SPECIFIC CHARACTER, &c.

Grey-brown WARBLER, with black head, sides
of the neck white, breast and abdomen
pale orange.

TSCHECANTSCHIKI.

Lepech. Act. Petr. 15. p. 489.

The bird represented on the present plate is principally found in the beech-woods and marshy places of Siberia, and is described by Lepechin in the 15th volume of the Petersburg Transactions. The bill is thin and black, with the upper mandible rather longer than the lower, and slightly curved at the tip, as in others of this genus. The top of the head, the cheeks, throat, and fore-part of the neck, are

black, which colour also reaches from the nape to the beginning of the back: the sides of the neck, and upper parts of the sides are white: the breast and abdomen orange, the colour gradually growing paler as it approaches the legs, where it becomes whitish: the back is blackish, the feathers being slightly rufous on their edges: the scapulars are white, the smaller coverts black, with rufous-white tips: the great wing-feathers brown, the smaller blackish, the inner edges of both being white for half their length: the rump and vent are white: the twelve tail-feathers are of equal length, and black, except the outside ones, which are whitish on the inner edges: the legs and claws are black. The female is brown above, with the feathers slightly edged with rufous: on each wing is a white patch: the throat is of a dull white: the breast and abdomen slightly rufous: wings and the tail similar to those of the male bird.

PAPILIO AMPHRYSIUS.



CHARACTER GENERICUS.

Antennæ apicem versus crassiores, sæpius clavato-capitatae.

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

Lin. Syst. Nat. p. 744.

CHARACTER SPECIFICUS, &c.

PAPILIO alis denticulatis nigris, versus apices flavo-substriatis, inferioribus flavis nigro-marginatis.

PAPILIO alis concoloribus nigris, anterioribus maculis, posterioribus disco flavis.

Lin. Syst. Nat. Gmel. p. 2230.

Eq. Tr.

Merian Ins. Surin. t. 72 ?

PAPILIO AMPHRYSIUS.

Cram. t. 219. f. A.

Affinis P. Helenæ.

Insulas Javam atque Amboinam præcipue incolit formosa hæc papilionis species, magnitudine vera in tabula depicta.

PAPILLO AMPHYSTOMA

CHARACTER GENERALIS.

Amphistoma papillae vixit cressens, corpus 10.

capitulum.

Alia (sedentis) vixit amplexu committens.

(volumen dimid.)

Lin. Syst. Nat. p. 714.

CHARACTER SPECIFICUS.

PAPILLO alia d. miculalis nigra, vixit apice

hirsutissimis, latissimis, hirsutis

marginibus.

PAPILLO alia copulans nigra, apertissima

maculis, posterioribus disco hirsutis.

Lin. Syst. Nat. (Spec. p. 720)

Pl. 1.

Plurimae Lin. Syst. Nat. p. 724

PAPILLO AMPHYSTOMA

Gen. L. 319. L. 1.

Alph. B. Helms.

Species hirsutae Amphistoma papillae incolit

locum hirsutae papillae spec. magnitudine vixit in

tabula depicta





R. P. Nodder. Del. & Sculp.

AMPHRYSIUS.



GENERIC CHARACTER.

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

Wings (when sitting) erect, and meeting upwards.

(Flight diurnal.)

SPECIFIC CHARACTER, &c.

BUTTERFLY with denticulated wings; the upper pair black, with obscure yellow streaks towards the tips; the lower yellow, bordered with black.

Jablonsk. pap. 1. t. 1. f. 3.

This beautiful Butterfly is principally found in the islands of Java and Amboina, and is represented in its natural size on the annexed plate.

THE HISTORY OF THE

REIGN OF

CHARLES THE FIRST

BY
JAMES CLAYTON
OF THE MIDDLE TEMPLE
ESQ.

LONDON

Printed by

JOHN STURGEON
AT THE SIGN OF THE

Three Kings

IN ST. MARTIN'S LANE

1704

SPONDYLUS GÆDEROPUS.



CHARACTER GENERICUS.

Animal Tethys.

Testa inæquivalvis, rigida.

Cardo dentibus duobus recurvis, cum foraminulo intermedio.

Lin. Syst. Nat. p. 1136.

CHARACTER SPECIFICUS, &c.

SPONDYLUS testa subaurita spinosa.

Lin. Syst. Nat. p. 1136.

Gualt. test. 100. 101. f. A. B.

Rumph. mus. t. 47. f. E.

Regenf. conch. 16. t. 4. f. 48.

Adeo inter se generali quadam similitudine commiscentur *Spondyli* et *Chamæ* genera, (quæ ambo ad genus *Ostræ* proxime accedunt) ut primo visu dubitari fere possit de nonnullis speciebus, sintne ad hoc an ad illud genus referendæ. Nota tamen insignis est ad distinctionem, quæ a Chamis Spondylos secer nit; umbo nempe valvulæ inferioris, qui quasi abscissus seu abrasus superficiem habet complanatam. Species præcipua, quam depinximus, spargit se in innumeras varietates quoad colorem et magni-

tudinem. E pulcherrimis speciminibus, quæ in Museo Leveriano asservantur, testam selegimus, cujus ad similitudinem figuram hanc nostram exprimi curavimus.

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R. N. De la Roche

SUBAURICULATED SPONDYLUS.



GENERIC CHARACTER.

Animal allied to a Tethys.

Shell of unequal valves, strong.

Hinge with two recurved teeth and intermediate hollow.

SPECIFIC CHARACTER, &c.

SPONDYLUS with subauriculated, spinose shell.

Bonann. recr. t. 20. 21.

Seb. mus. 3. t. 88. f. 1—11.

The two genera of *Spondylus* and *Chama*, (both nearly allied to that of *Ostrea*,) bear so great a general resemblance to each other, that, in some species, it appears doubtful, at first sight, to which of the two the shell should be most properly referred. One great particularity however always distinguishes the shells of this genus from those of the genus *Chama*; viz. the aspect of the top of the inferior valve, which appears exactly as if sawn or cut away by an instrument, so as to leave a flat surface on that part. The

principal species, or *Spondylus Gæderopus*, here represented, is subject to innumerable varieties in point of size and colour. Among the most elegant of these is the specimen figured, which is copied from a shell in the Leverian Museum.

SPARUS MELANOPTERUS.



CHARACTER GENERICUS.

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

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

Labia crassa: *Opercula* mutica, squamosa.

CHARACTER SPECIFICUS, &c.

SPARUS purpurascens, abdomine flavo-virente, orbitis viridi-radiatis, pinnis nigris.

LABRUS MELAPTERUS. L. Pinnis nigris, aculeis dorsalibus octo.

Bloch. t. 285.

Maria incolit Indica Sparus melanopterus, longitudine, ut plurimum, pedali.

STABULUS MELANOPTERUS

CHARACTER GENERICUS.

Dentes validi: Trimeri, duplici, triplici, vel
quadriplici ordine dispositi.
Alabris (pharyngeis) validis, convexis, foveis, in
series dispositi, et quasi pectinatum in ore
efformantes.
Labia crassa: Opercula molliora, equanina.

CHARACTER SPECIFICUS: 34.

STABULUS parvipes, abdomine flavo-viride,
oculis viridibus, pennis nigris.
LABRIS MELANOPTERUS. L. Pennis nigris,
aculis dorsibus octo.
Block. t. 283.

Alaris incolor. Labia sparsa, melanopectus, longi-
tudine, et pectinatum, pedalis.



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Thalassoma lineare Sulp.

THE
BLACK-FINNED SPARUS.



GENERIC CHARACTER.

Teeth strong; *Front-Teeth* disposed in a single, 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.

Purplish SPARUS, with yellowish-green abdomen, orbits of the eyes radiated by green streaks, and black fins.

Black-Finned SPARUS.

Gen. Zool. 4. p. 451.

The black-finned Sparus is seen chiefly in the Indian seas, and usually measures about twelve inches in length.

PSITTACUS MELANOTUS.



CHARACTER GENERICUS.

Rostrum aduncum ; mandibula superiore mobili, cera instructa.

Nares in rostri basi.

Lingua carnosae, obtusa, integra.

Pedes scansorii.

Lin. Syst. Nat. p. 139.

CHARACTER SPECIFICUS, &c.

PSITTACUS macrourus viridis, dorso nigro, tectricibus sanguineis, uropygio cæruleo.

Psittacus Melanotus a nemine antea descriptus proculdubio habendus est in iis quos pulcherrimos alit Australasia. Psittaco *Pennantii* et illo qui *eximius* dicitur paulo minor colores jactat egregie vividos et elegantes.

REMARKS ON THE

PROGRESS OF THE

ARTS AND MANUFACTURES

IN THE KINGDOM OF GREAT BRITAIN

FROM 1763 TO 1801

BY

JOHN BARROW, ESQ.

OF THE BARRISTERS AT LAW

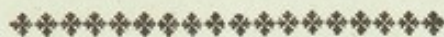
IN THE MIDDLE TEMPLE

LONDON

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THE
BLACK-BACKED PARRAKEET.



GENERIC CHARACTER.

Bill hooked: upper mandible moveable, and furnished with a cere.

Nostrils in the base of the bill.

Tongue fleshy obtuse, generally entire.

Feet scansorial.

SPECIFIC CHARACTER, &c.

Long-tailed green PARRAKEET, with black back, scarlet wing-coverts, and blue rump.

The Parrakeet represented on the present plate is unquestionably one of the most beautiful that have yet been discovered in the regions of Australasia, and is a species hitherto undescribed. Its size is somewhat smaller than that of the Pennantian and nonpareil parrakeets, and its colours in the highest degree vivid and elegant.

THE HISTORY OF THE
BLACKS IN THE
WEST INDIES

BY
JOHN STURGES

THE HISTORY OF THE
BLACKS IN THE
WEST INDIES
FROM THE
FIRST SETTLEMENT
TO THE PRESENT
TIME

IN
THREE VOLUMES
VOLUME I
LONDON
PRINTED BY
JOHN STURGES
1791

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SCOMBER PLUMIERI.



CHARACTER GENERICUS.

Corpus oblongum, læve, linea laterali interdum carinatum.

Pinnulæ sæpius supra infraque versus caudam.

CHARACTER SPECIFICUS, &c.

SCOMBER viridi-cæruleus, subtus argenteus, squamis magnis, pinnis pectoralibus lanceolatis, linea laterali rotundato-loricata.

SCOMBER PLUMIERI. S. squamis magnis, pinnis flavis.

Bloch. t. 344.

Maria incolit Americana Scomber Plumieri, longitudine, ut plurimum pedali.

SCOTT'S EMULSION

SCOTT'S EMULSION OF PURE FISH LIVER OIL

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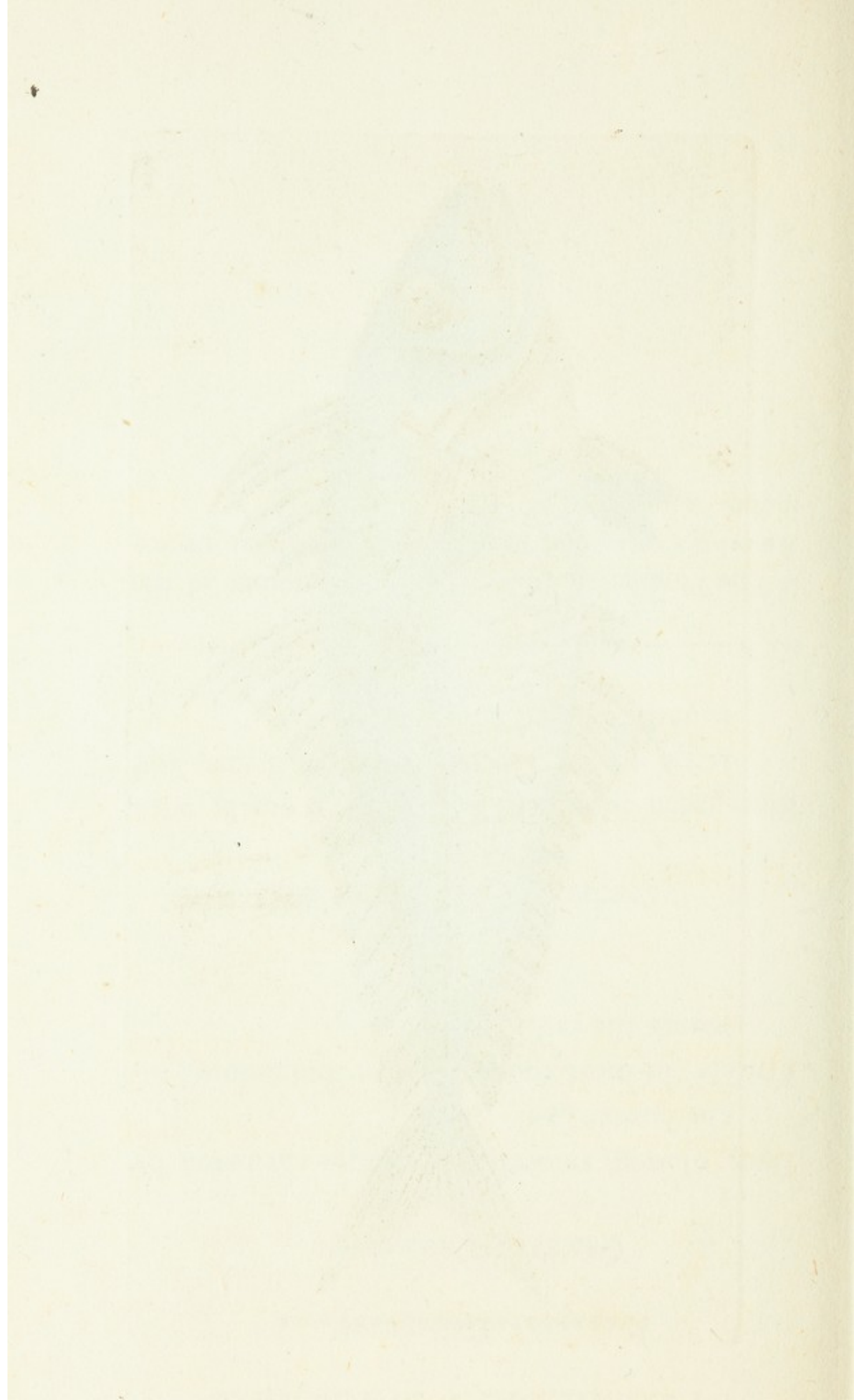
SCOTT'S EMULSION OF PURE FISH LIVER OIL

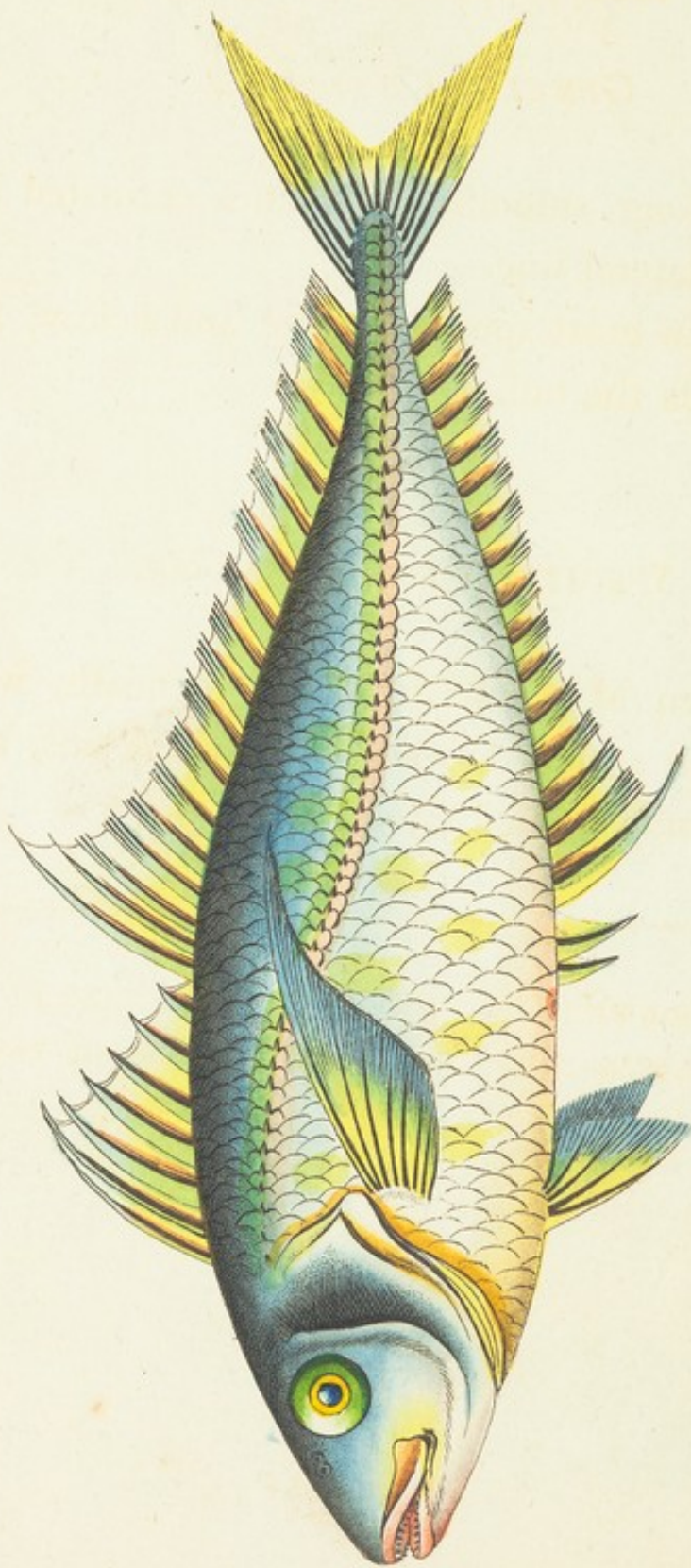
SCOTT'S EMULSION OF PURE FISH LIVER OIL

SCOTT'S EMULSION OF PURE FISH LIVER OIL

SCOTT'S EMULSION OF PURE FISH LIVER OIL

SCOTT'S EMULSION OF PURE FISH LIVER OIL





654

R. D. N. Del. Pulp.

PLUMMERIA ALBA

Plumieria alba

Plumieria alba

Plumieria alba

Plumieria alba

Plumieria alba

Plumieria alba

Plumieria alba

Plumieria alba

CANCER SCYLLARUS.



CHARACTER GENERICUS.

Pedes octo (rarius sex aut decem;) insuper
manus duæ chelatæ.

Oculi duo, distantes, plurimis pedunculati;
elongati, mobiles.

Cauda articulata, inermis.

CHARACTER SPECIFICUS, &c.

CANCER macrourus articularis, manibus adac-
tylis, ventricosis rectis angulatis introrsum
tridentatis.

Lin. Syst. Nat. p. 1054.

SQUILLA arenaria.

Seb. mus. 3. t. 20. f. 6.

Cancro *Manti*, quem in opere hoc nostro non
ita pridem repræsentavimus, licet longe minor sit
Cancer *Scyllarus*, in aliis tamen conjungi videtur
cum eo propinqua cognatione. In maribus enutri-
tur Indicis,

CANCER SCHEMATA

1850

1850

1850

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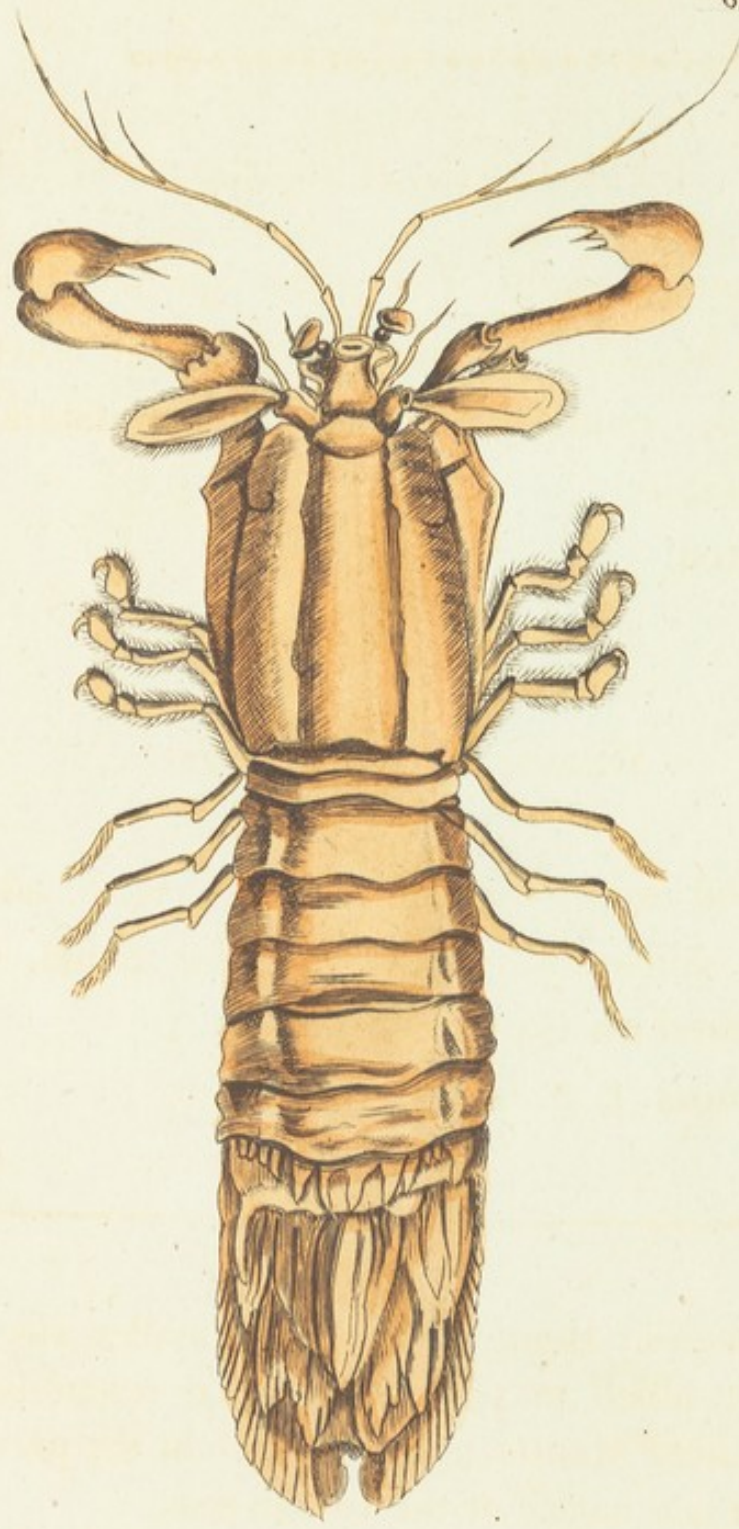
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625



RPN

THE
OVAL-TAILED CRAB.



GENERIC CHARACTER.

Legs generally eight, (in some species six or ten,) besides two claspers or chelated arms.

Eyes two, commonly distant; footstalked, moveable.

Tail jointed.

SPECIFIC CHARACTER, &c.

Long-tailed many-jointed CRAB, with adactyle, ventricose, strait, angular arms, tridentated on the inner side.

Rumph. mus. t. 3. f. F.

This species, though of much smaller size, is very nearly allied in point of general resemblance to the Cancer Mantis lately figured in the present work, and is a native of the Indian seas.

THE
OVAL TAIL GRAY

Color of the body, the same as for
the tail, but the head and
eyes are somewhat darker.
Bill yellow.

Long-tail (male) (Oval) with above
color of the head, but the
beak is the same as the
female.

This species is found in the same
localities as the long-tail, but
is more common in the present
season. It is found in the same
localities as the long-tail.

PHALÆNA JANUS.



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 primoribus fuscis griseo-fasciatis, posterioribus rubris macula media magna ocellata nigra.

PHALÆNA alis patulis, anticis variegatis, subtus ocello atro, posticis sanguineis ocello atro.

Fab. sp. ins. 2. p. 169.

Insectum depinximus amplum et venustum, cum *Phalæna Augusta*, de qua antea in hoc opere disseruimus, remota quadam cognatione conjunctum. In America Australi generatum sedem sibi præcipuam seligere dicitur in Surinamia. Ostenditur in tabula naturalis magnitudo.

THALASSEA JANUS

1851

1852

1853

1854

1855

1856

1857

1858

1859

1860

1861

1862

1863

1864

1865

1866

1867

1868

1869

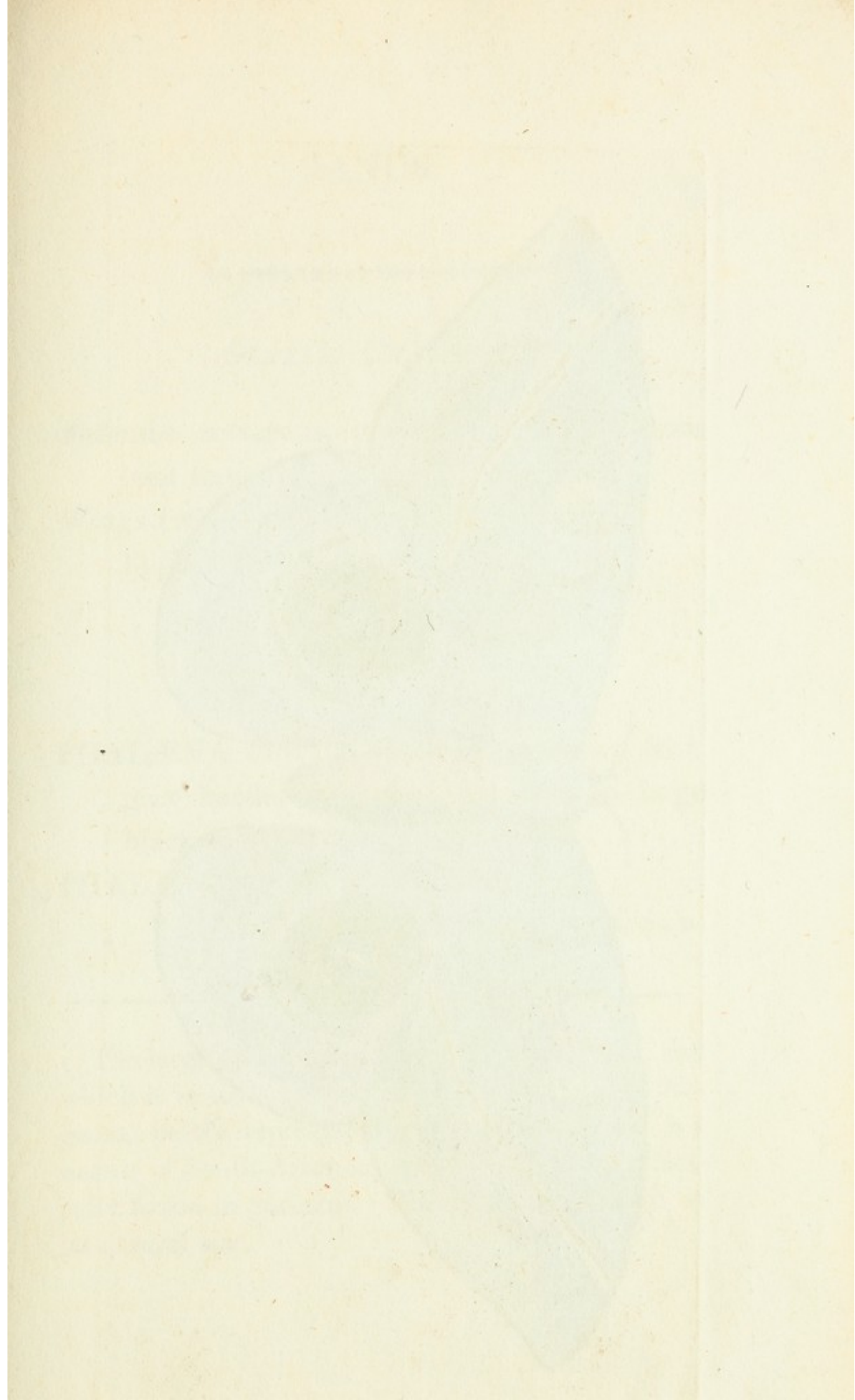
1870

1871

1872

1873

1874



Actia Delia Julia



656

JANUS.



GENERIC CHARACTER.

Antennæ setaceous, gradually lessening from base to point.

Wings (when at rest) generally deflected.

Flight nocturnal.

SPECIFIC CHARACTER, &c.

PHALÆNA with the upper wings brown with grey bands, the lower red with a large black ocellated spot.

PHALÆNA JANUS.

Cram. pl. 64. f. A. B.

The large and elegant insect here exhibited, and which is in some degree allied to the *Phalæna Augusta*, before represented in the present work, is a native of South-America, and is said to be principally found in Surinam. The plate expresses it in its natural size.

PITTACUS ZONARIUS

—————

CHARACTER GENERALIS

Posterior adnatum; mandibula superiore
nulla, cetera instructa.
Nervi in totum basi.
Ligula carnosa, obtusa, integra.
Pedes scissurati.

Lin. Syst. Nat. p. 150

CHARACTER SPECIFICUS

PITTACUS macronota viridis, capite rufi-
gibosque nigris, torque nuchali fasciatus
abdominali flavis.

De hac specie satis se notat, non in omni-
bus. In Asia, In Africa, In Europa
magistratus, p. 150, 151.

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THE
ZONED PARROT.

GENERIC CHARACTER.

ZONED PARROT

GENERAL CHARACTER.

Bill hooked: upper mandible movable and furnished with a cere.

Maxilla in the base of the bill.

Tongue fleshy, obtuse, generally entire.

Feet scissorial.

EXTERNAL APPEARANCE.

Long-tailed green PARROT with the head and long wing-feathers black, the collar on the nape and abdominal area yellow.

Of this species I have the pleasure to state that it is new and distinct from the Zoned Parrot of the Tabaco Forest.

CORALLINA FLABELLUM.



CHARACTER GENERICUS.

Animal ? crescens habitu plantæ.

Stirps fixa. Rami articulati, ramulosi.

CHARACTER SPECIFICUS, &c.

CORALLINA FLABELLUM. C. stipite simplici incrustato, &c.

Lin. Syst. Nat. Gmel. p. 3842.

CORALLINA stipite simplici incrustato, ramis omnibus conglutinis, fronde flabelliformi incrustata subundulata.

Soland. et Ellis Zooph. p. 124. t. 24.

Rupibus maris Americani adhærescit elegans hæc Corallinæ species; interdum major quam in tabula depicta.

CORALLINA FLABELLUM

CHARACTER GENERALIS

Stipes fixus. Rami articulati, ramulosi.
terminalis crescens habitu plantae.

CHARACTER SPECIFICUS, &c.

CORALLINA FLABELLUM. C. stipite simplici incrassato, &c.

Lin. Syst. Nat. Class. p. 3812.

CORALLINA stipite simplici incrassato, ramis omnibus congestis, fronde flabelliformi, incrassata subulata.

Solund. et Ellis Zooph. p. 124. t. 24.

Corallina species, in ordinem specierum in tabula
descripta.



R.P. Nodder Del^r et Sculp^r

THE
FAN CORALLINE.

GENERIC CHARACTER.

Animal? growing in the form of a plant.

Stem fixed. Branches jointed and subdivided.

SPECIFIC CHARACTER.

Greenish-white CORALLINE, with simple stem, conglutinated branches, and fan-shaped subundulated frond.

Fan-shaped CORALLINE.

This elegant species of Coralline is found on the rocks of the American seas, and sometimes arrives at a larger size than represented on the plate.

FAN CORALLINE

GENERIC CHARACTER

Animals growing in the form of a fan.
Stems fixed. Branches jointed and subnubulose.

SYNOPSIS

Greenish-white CORALLINE, with simple
and compound branches, and fan-
shaped subnubulose fronds.

FAN-SHAPED CORALLINE

This recent species of Coralline is found on the
rocks on the American west coast, sometimes growing
at a larger size than mentioned on the plate.

PHALÆNA PAPHIA.



CHARACTER GENERICUS.

Antennæ setacæ, a basi ad apicem sensim attenuatæ.

Alæ (sedentis) sæpius deflexæ. (Volatu nocturno.

Lin. Syst. Nat. p. 808.

CHARACTER SPECIFICUS, &c.

PHALÆNA pectinicornis elinguis flava, alis falcatis concoloribus ocello fenestratis.

Lin. Syst. Nat. p. 809.

PHALÆNA alis patentibus concoloribus flavis, strigis rufis ocelloque fenestrato.

Fabr. sp. ins. 2. p. 168.

Phalænam quam depinximus generant multæ Indicæ regiones; ibique larva ejus prægrandis et quasi bombycina nomine *Tusseh* distinguitur. Rhamni Jujubæ Linnæi (quam *Byer* nuncupant Hindostaniam incolentes) folia præcipue depascitur; et a Bengalensi populo copiose colligitur, ut
inde

inde deducatur sericum subfuscum, crassum, firmum et durabile, quo vestiri solent Brachmanes, et alii nonnulli religiosi. Involvitur chrysalis tela seu theca ovata, unde comparatur sericum, quam ab extremo ramulis affigit chorda valida e filamentis agglutinis contorta. Postquam novem menses transegerit chrysalis, nascitur phalæna, mense præcipue Julio; cujus color variat, interdum flavus, interdum fusco seu gilvo leviter suffusus. In tabula nostra exprimitur phalæna, nec non larva, magnitudine naturali.

Larvæ imaginem et notitiam debemus ingenioso Domino Roxburgh, qui de illa disseruit in septimo volumine actorum Societatis Linnæanæ.



PAPHIA.



GENERIC CHARACTER.

Antennæ setaceous, gradually lessening from base to point.

Wings (when at rest) generally deflected.

Flight nocturnal.

SPECIFIC CHARACTER, &c.

Yellow PHALÆNA, with patulous subfalcated wings, marked by a rufous stripe and transparent ocellated central spot.

PHALÆNA Mylitta.

Drury ins. 2. t. 5. *Cram. t.* 146. 147.

The beautiful Phalæna here represented is a native of many parts of India, where its caterpillar, which grows to a large size, is known by the name of the Tusseh Silk-worm. It feeds principally on the leaves of the Rhamnus Jujuba of Linnæus, (called Byer among the Hindoos,) and is so plentiful in
many

many parts of Bengal as to afford to the natives, who collect it for that purpose, a strong, dark-coloured, coarse silk, extremely durable, and serviceable for many articles of dress, being much worn by the Bramins and some other sects. The webs in which the animal changes into its chrysalis state, and which afford the silk above-mentioned, are of an oval shape, and fastened at one end to the twigs on which they are placed by a very strong cord of agglutinated filaments. The moth makes its appearance chiefly in the month of July, having lain nine months in its chrysalis state. In colour it varies, being sometimes more or less tinged with pale brown or buff, instead of clear pale yellow, and, as well as the caterpillar, is exhibited on the plate in its natural size. For the above history of the insect, with the figure of the larva or caterpillar, we are obliged to the ingenious Dr. William Roxburgh, whose description of the animal is inserted in the seventh volume of the Transactions of the Linnæan Society.

Agrotis



100

THE HISTORY OF THE

REIGN OF

CHARLES THE FIRST

IN WHICH ARE CONTAINED

THE MOST IMPORTANT
EVENTS OF HIS REIGN

FROM THE BEGINNING OF HIS

REIGN TO HIS DEATH

IN THE YEAR 1649

BY

JOHN BURNET

OF THE UNIVERSITY OF OXFORD

IN TWO VOLUMES

VOLUME THE FIRST

LONDON

Printed by J. Streater

at the Sign of the Gun, in St. Dunstons Church-yard

1699

By Authority

Printed by J. Streater

at the Sign of the Gun, in St. Dunstons Church-yard

1699

By Authority

Printed by J. Streater

MOTACILLA SUECICA.



CHARACTER GENERICUS.

Rostrum subulatum, rectum; mandibulis sub-
æqualibus.

Nares ovatæ.

Lingua lacero-emarginata.

Lin. Syst. Nat. p. 328.

CHARACTER SPECIFICUS, &c.

MOTACILLA fusca, pectore caudæque basi
ferrugineis, gula cærulea, abdomine albido.

MOTACILLA SUECICA. M. pectore ferru-
gineo fascia cærulea, rectricibus fuscis,
versus basin ferrugineis.

Lin. Syst. Nat. p. 336.

CYANECULA.

Briss. orn. 3. p. 413.

Partes Europæ boreales incolit pulchra hæc avi-
cula, magnitudine vera in tabula depicta.

MOTACILLA SUBICA

CHARACTER GENERICUS.

Rostrum subulatum, rectum; mandibula sub-
aequalibus.
Vires ovales.
Iris nudo-lacero-emarginata.

Lin. Syst. Nat. p. 338.

CHARACTER SPECIFICUS, &c.

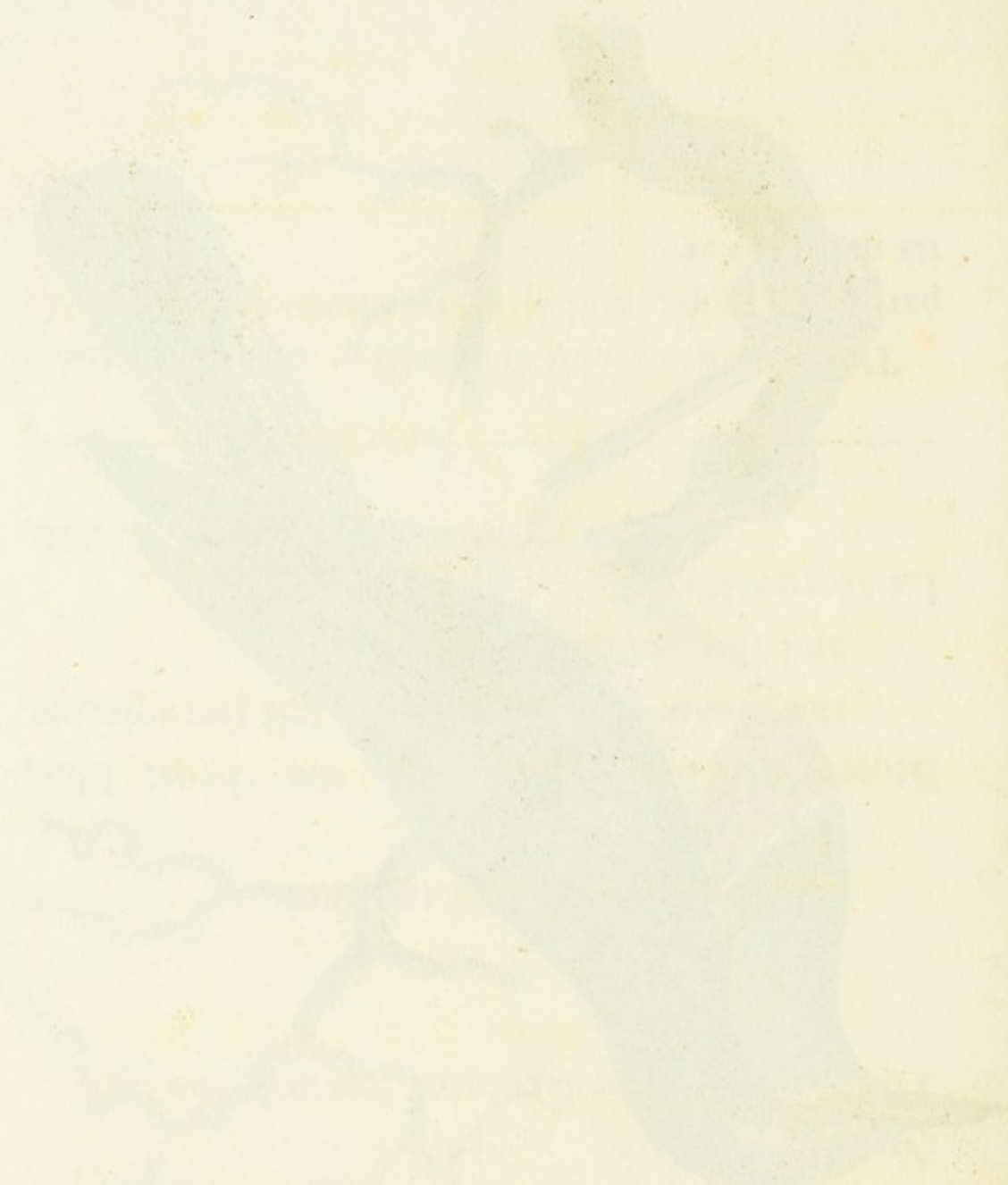
MOTACILLA fusca, pectore caudaeque basi
ferrugineis, gula ceterisque abdomine albidis.
MOTACILLA SUBICA. M. pectore ferru-
gineo fasciis ceterisque rectricibus fasciis
versum basin ferrugineis.

Lin. Syst. Nat. p. 336.

CYANECULA.

Briss. orn. s. p. 113.

Partes Europae boreales incolit palchra haec avis
culi magnitudine vera in tabula depicta.





R. P. W. D. Del. et Sculp.

THE
SWEDISH RED-BREAST.



GENERIC CHARACTER.

Bill subulate, strait : mandibles nearly equal.

Nostrils obovate.

Tongue jagged or lacerated towards the tip.

SPECIFIC CHARACTER.

Brown MOTACILLA, with the throat blue,
the breast and base of the tail ferruginous,
and the abdomen whitish.

La Gorge-Bleue.

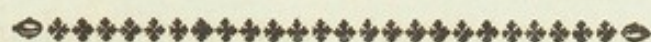
Buff. ois. 5. p. 206.

This elegant species is a native of the northern parts of Europe, and is represented on the plate in its natural size.

THEORY OF THE

SWEDISH RED-BREAST

PYROSOMA PHOSPHORESCENS.



CHARACTER GENERICUS.

Corpus liberum, oblongo-tubulosum, gelatinosum, altera extremitate apertum.

CHARACTER SPECIFICUS, &c.

PYROSOMA hyalino-virescens, papillosum, ore intus crenato.

PYROSOMA Atlanticum.

Peron. ann. du mus. nation. d'hist. nat.

No. 24. p. 437. t. 72.

De eleganti hoc marino animali primus vere et accurate scripsisse videtur Dominus Peronus, in opere cui titulus “*Annales du Museum National d'Histoire Naturelle.*” Illas incolit maris Atlantici partes quæ circulo æquinoctiali dirimuntur, gregatim radens interdum summas aquas, interdum natans altius submersum. Otiosum et quiescens, ut plurimum sordido-virescit, seu flavescit; simul atque autem sese moverit, fit phosphoro-splendidissimum, singulo contracti corporis actu laminæ si-

millimum ferreæ cum ab igni plene incanduerit; singulis autem laxati et extensi vicibus per varios gradus rubri, aurantii, flavi, leviter cærulei transiens, donec tandem ad colorem naturalem, hyalino nempe virescentem redierit. Superficies externa plurimis papillis seu processibus conicis obsita est: interna constat e membrana molli et reticulata, sine ullo visibili intestinorum vestigio. De modo vivendi et sobolem propagandi nihil pro certo compertum est; probabile tamen est alimentum ei subministrari eodem modo quo hydræ; absorpto nempe succo prædæ prius inclusæ et dein ab ore ejectæ. Magnitudinem iconis in tabula expressæ sæpius exsuperat *Pyrosoma phosphorescens*.

Pyrosoma Atlanticum.

Pyrosoma Atlanticum. d'Hist. nat.

No. 34. p. 437. t. 72.

De elegant hoc marino animali prius vere et accurate scripsisse videtur Dominus Peron in opere cui titulus "Annales du Muséum National d'Histoire Naturelle". Illas jacolit maris Atlantici partes que circulo æquinoctiali circumstant, præsertim tamen interitum autumnæ æquæ, interdum namque alius subactum. Otiosum et quiescent, ut plurimum sordido virescit, sed flavescit; simul atque autem sese moverit, ut phosphoro-splendens, nam, singulo contracti corporis actu lamina si-



RPN. Sulp.

THE
PHOSPHORIC PYROSOMA.



GENERIC CHARACTER.

Body nayant, oblong, tubular, gelatinous, open
at one extremity.

SPECIFIC CHARACTER, &c.

Greenish-hyaline, papillose PYROSOMA, with
the mouth crenated within.

PYROSOMA.

Peron annales du Mus. Nat. d'Hist. Nat.
No. 24. p. 437.

This elegant marine animal seems to have been first distinctly described by Mons. Peron, in the work entitled "*Annales du Museum National d'Histoire Naturelle.*" It is a native of the equatorial parts of the Atlantic ocean, where it is sometimes seen in vast numbers, both floating on the surface, and swimming at considerable distances beneath. When in a state of perfect inaction or repose, it is usually

of a dull greenish or yellow cast, and semitransparent; but when in action, is distinguished by a very high degree of phosphoric splendor, exhibiting, during each contraction of its body, the appearance of a bar of iron in the highest degree of incandescence, and, during each relaxation, passing thro' all the gradations of red, orange, yellow, pale-blue, &c. till at length it returns to its first greenish-hyaline aspect. It is externally beset with numerous conical elongations or papillæ, and within appears to be lined merely by a smooth vascular or reticular membrane, without any appearance of intestines, &c. Nothing particular is known relative to its manner of feeding, production of young, &c. It is however probable that it is nourished in the manner of the Polype, viz. by the absorption of the juices of its inclosed prey, which is afterwards ejected by the mouth or opening. In size it often greatly exceeds the figure represented in the annexed plate.

No. 24. p. 187.

This elegant marine animal seems to have been first distinctly described by M. de Lamarck in the work entitled "Mémoires de M. de Lamarck sur l'Histoire Naturelle". It is a native of the equatorial parts of the Atlantic ocean, where it is sometimes seen in vast numbers, both floating on the surface and swimming at considerable distances beneath. When in a state of perfect health or repose, it is usually

LACERTA LEPIDOPUS.



CHARACTER GENERICUS.

Corpus (plerisque) tetrapodum, elongatum,
caudatum, nudum.

CHARACTER SPECIFICUS, &c.

LACERTA olivacea, nigro-punctata, pedibus
anterioribus nullis ; posterioribus adactylis,
squamosis.

Bipes lepidopodus.

Cepede Ann. Mus. Hist. Nat. No. 21. p. 209.

Quam juxta naturalem magnitudinem expressimus lacertam in Australasia generatur, ab aliis omnibus adhuc cognitis diversa, teste Cepedio, qui illam in opere descripsit quod characteri specifico subjungitur. Pedes habet posticos non divisos in digitos, sed omnino e processibus expansis, orbiculatis, squamosis constantes. Habitu generali accedit ad similitudinem lacertæ quæ *Apus* dicitur, anguinæ, bipedis, &c. ; colore olivaceo seu virescente, punctulis parvulis nigris consperso.

LACERTA LEPIDOPUS

CHARACTERES

Corpus (blepharum) lepidopus, elongatum
caudata, audax.

CHARACTERES SPECIFICI

LACERTA olivacea nigro-punctata, pedibus
anterioribus natis; posterioribus adactylis,
squamosis.

Bipes lepidopus.

Cope de Mus. Hist. Nat. No. 21. p. 209.

Quam forte nomen magnitudinem expressi-
onis habet in Australia generum ab aliis
omnibus aliis cognitis distinctis, teste Cope de
illam in opere descriptis quod characteri specifice
adhibetur. Testis habet pedes non divinos in
digitos, sed omnes quatuor digitos, adacty-
los, squamosos, comatos. Illud generale ac-
cedit ad similitudinem habet quod Viper dentibus
argenteis, loricis, &c. colore olivaceo non vix
vere, punctis parvis, albis consperso.

663.



THE
SCALY-FOOTED LIZARD.



GENERIC CHARACTER.

Body (in most species) four-footed, elongated, tailed; without any secondary integument.

SPECIFIC CHARACTER, &c.

Olivaceous LIZARD, speckled with black, without fore-feet, and with scaly, undivided hind-feet.

Le Lepidopode.

Cepede. Ann. Mus. Hist. Nat. No. 21. p. 194.

The Lizard here represented in its natural size is a native of Australasia, and, according to the Count de Cepede, by whom it is described in the work quoted beneath the specific character, differs from every other species yet known in having the hind-feet perfectly destitute of divisions or toes, and consisting merely of a roundish scaly expansion or process. In general habit it resembles the *Lacerta apus*, *anguina*, *bipes*, &c. and is of a greenish or olivaceous colour, variegated by minute blackish specks.

THE
SCALY-FOOTED LIZARD.

SCALY-FOOTED LIZARD.

SCALY-FOOTED LIZARD.

SCALY-FOOTED LIZARD.

Body (in most species) four-toothed, elongated,
tailed, without any secondary wings.
Tail, in some species, subequal to
body.

SCALY-FOOTED LIZARD.

SCALY-FOOTED LIZARD.

Olivaceous (L. and) spotted with black
or without spotted, and with scales, and
is vivid and distinct.

THE SCALY-FOOTED LIZARD.

THE SCALY-FOOTED LIZARD.

THE SCALY-FOOTED LIZARD.

THE SCALY-FOOTED LIZARD.

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THE SCALY-FOOTED LIZARD.

THE SCALY-FOOTED LIZARD.

THE SCALY-FOOTED LIZARD.

THE SCALY-FOOTED LIZARD.

HYALE TRIDENTATA.



CHARACTER GENERICUS.

Animal Clio.

Testa bivalvis, tenuis; valvulis connatis; superiore inflato-convexa, inferiore planiuscula.

CHARACTER SPECIFICUS, &c.

HYALÆ testa pallida, fusco-flavente, extremitate inferiore tridentata.

ANOMIA tridentata. A.

HYALÆ.

Cuvier. Ann. Mus. Hist. Nat. No. 21. p. 223.

N. B. Figuræ superiores et inferiores leviter auctæ; cæteræ magnitudine vera exprimuntur.

A testa pellucida nomen adeptum est genus *Hyale*; accurate descriptum et depictum a Domino Cuviero in opere cui titulus "*Annales*," &c. Testam primus detexit Dominus Forskalius, et ad genus *Anomiæ* retulit, cujus habita est species anomala. In mari Mediterraneo enutritum summas

radit aquas quo modo solet genus *Clio*, e Molluscorum familia; cui affine admodum est, animal quod in testa includitur. Longa est testa, ut plurimum, quasi tertiam unciae partem, interdum pertingens ultra unciam dimidiatam. Color levissime fusco-flavescit.

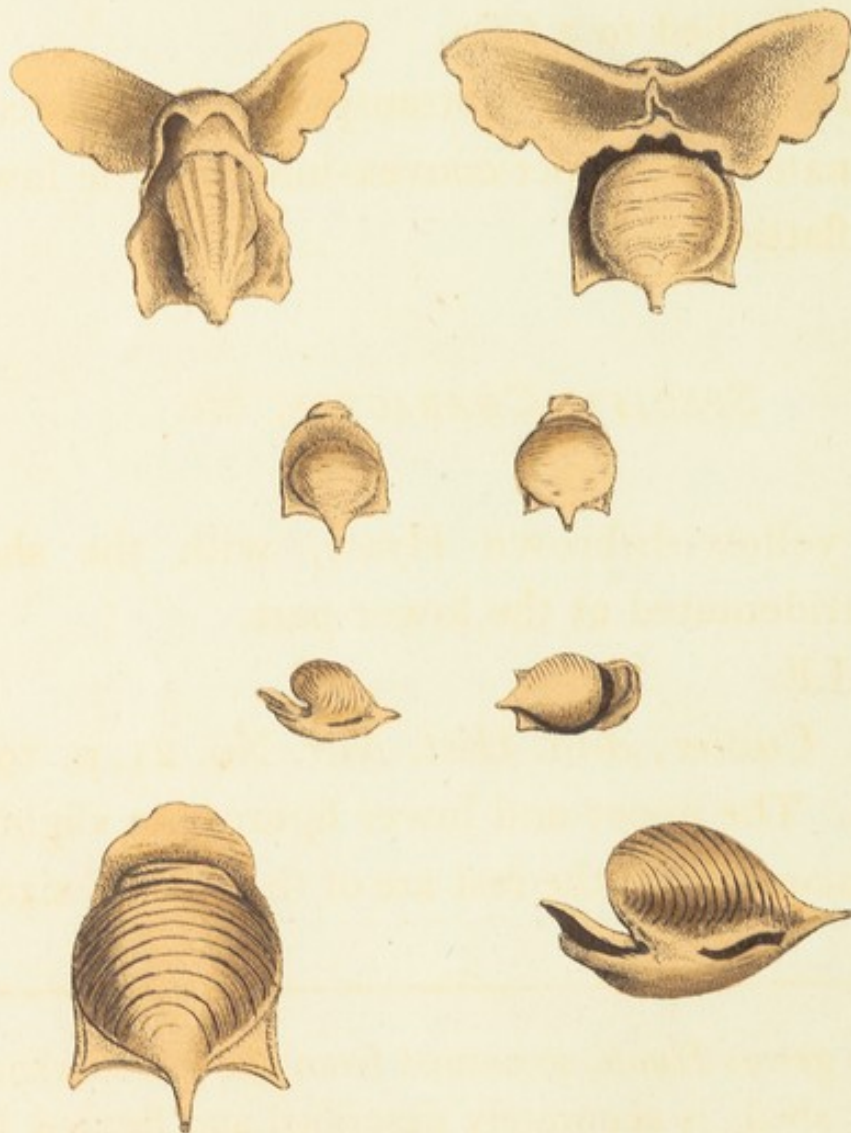
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R.P.N. Sculp^t

THE
TRIDENTATED HYALE.



GENERIC CHARACTER.

Animal allied to a Clio.

Shell bivalve, thin, subtransparent; valves connate; the upper convex-inflated, the lower flattish.

SPECIFIC CHARACTER, &c.

Pale yellowish-brown Hyale, with the shell tridentated at the lower part.

HYALE.

Cuvier. Ann. Hist. Nat. No. 21. p. 194.

N. B. The upper and lower figures are slightly magnified; the rest are of the natural size.

The genus *Hyale*, so named from the transparency of the shell, is accurately described and figured by Mons. Cuvier in the "*Annales du M. N. d'Hist. Nat.*" By Forskal, its first describer, it was referred to the genus *Anomia*, of which it was al-

lowed to constitute an anomalous species. It is a native of the Mediterranean sea, and is observed to swim on the surface in the manner of the genus *Clio* among the Mollusca, to which its inhabiting animal is much allied. The usual length of the shell is from one to two-thirds of an inch, and its colour a very pale yellowish brown.

HIRUNDO CAPENSIS.



CHARACTER GENERICUS.

Rostrum minimum, incurvum, subulatum, basi depressum.

Rictus capite amplior.

Lin. Syst. Nat. p. 343.

CHARACTER SPECIFICUS, &c.

HIRUNDO nigro-cærulescens, subtus ochroleuca lineolis fuscis, pileo uropygioque rufis.

HIRUNDO Capensis. H. nigro-cærulescens, subtus flavescens nigricante striata, pileo rufo, rectricibus lateralibus macula alba.

Lath. ind. orn. p. 574.

Juxta veram magnitudinem in tabula depingitur Hirundo Capensis, in Africa australi, ut plurimum, reperta.

FAIR SWALLOW.





THE
CAPE SWALLOW.



GENERIC CHARACTER.

Bill very small, incurved, subulate, depressed
at the base.

Gape wider than the head.

SPECIFIC CHARACTER, &c.

Blueish-black SWALLOW, yellowish white
beneath with small dusky streaks, with the
top of the head and rump rufous.

HIRONDELLE au capuchon roux.

Buff. ois. 6. p. 608.

CAPE SWALLOW.

Lath. Syn. 2. p. 566.

This species of Swallow, which the plate represents in its natural size, is chiefly found in the Southern parts of Africa.

MULTIPLE CHOICE

CAPE SWARTOW

CHAPTER 1

When the first of the Cape Swartow
settled there, they found a land
of many wonders, and they were
of the land.

One of the first of the land

the first of the land was the
first of the land.

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MILLEPORA CÆRULEA.



CHARACTER GENERICUS.

Animal Hydra.

Corallium poris turbinatis teretibus.

Lin. Syst. Nat. p. 1282.

CHARACTER SPECIFICUS, &c.

MILLEPORA polymorpha subcompressa cærulea, poris inæqualibus.

MILLEPORA plana scabra, laminis crassis varie tortuosis subdivisa, apicibus sæpe lobatis porisque substellatis cylindricis utrinque instructis.

Soland. et Ell. zooph. p. 142. t. 12. et 56.

CORALLOIDES philippensis cærulea.

Pet. gaz. t. 10. f. 12.

In maribus Indicis præcipue conspicitur formosum hoc corallium, magnitudine vera in tabula expressum.

MILLEPORA CERNUEA

CHARACTERES GENERALES

Animal Hydus.

Corallium poris in pinnae brevibus.

Ann. Syst. Nat. p. 1222.

CHARACTERES SPECIFICI

MILLEPORA polymorpha subcompressa

inter poris inaequalibus

MILLEPORA plana scabra, laminae crassa variis

lobosis indivisa, aperturae saepe lobatae

porisque subcylindricis cylindricis utrinque

instructis

Solund et Ell. zooph. p. 112. t. 12. et 13.

CORALLOIDEA philippensis cernuea.

Phil. Syst. Nat. p. 122.

In laminae lobis porisque constanter terminis

non hoc corallum, praeterquam vix in tubis ex

pressum

BLUE MILLPORT

1880-1881

CHURCH



THE

THE

AND

THE



R. P. Nodder Del. et Sculp.

BLUE MILLEPORE.



GENERIC CHARACTER.

Animal allied to a Polype.

Coral with very numerous cylindric pores.

SPECIFIC CHARACTER, &c.

Polymorphous, subcompressed, blue Millepore,
with unequal pores.

Blue MILLEPORE.

Soland. et Ellis zooph. t. 12. et 56.

Blue INDIAN CORAL.

This beautiful Coral is chiefly seen in the Indian seas, and is represented in its natural size on the annexed plate.

BLUE MILLIPORIE

Canaliculi

Corallum affixed to a base
Corallum with many numerous cylindrical pores

Section of Corallum, &c.

Polymorphous, subcompressed, blue Millipore
with irregular pores

Blue MILLIPORE

Soland. et Ellis zooph. t. 12. et 20.

Blue INDIAN CORAL

This beautiful Coral is chiefly seen in the Indian
seas, and is represented in its natural size on the
annexed plate.



SPHINX LABRUSCÆ.



CHARACTER GENERICUS.

Antennæ medio crassiores, seu utraque extremitate attenuatæ, subprismaticæ.

Alæ deflexæ, (volatu graviore vespertino seu matutino.)

Lin. Syst. Nat. p. 796.

CHARACTER SPECIFICUS, &c.

SPHINX olivacea, alis integris, posticis subcæruleis nigro-fasciatis, margine interiore sanguineis.

SPHINX LABRUSCÆ. S. alis subfuscis; primoribus subtus puncto albo, abdomine lateribus punctis quinque albis.

Lin. Syst. Nat. p. 800.

Insectum depinximus elegantissimum, in America australi generatum, a Domina Meriana primo, ut videtur, descriptum et expressum in splendido opere quod inscribitur "Metamorphoses insectorum

Surinamensium." Larva, cui præ alio cibo gratae
sunt variae vitium species, teste Meriana, Augusto
mense in chrysalidem convertitur, e qua Septembri
insequente erumpere solet ipsa Sphinx.



R. P. Wodder Del. et Sculpst.

WINDY SPIN

1888-1889

1888-1889

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1888-1889

TANAGRA MELANICTERA.

CHARACTER GENERICUS.

Rostrum conicum, acuminatum, emarginatum,
basi subtrigonum, apice declive.

Lin. Syst. Nat. p. 313.

CHARACTER SPECIFICUS, &c.

TANAGRA ferrugineo-fusca subtus lutea, pileo genisque nigris, alis albo longitudinaliter striatis.

Lath. Ind. Orn. p. 423.

TANAGRA supra ferruginea, subtus flavissima, capite nuchaque atris, alis albido-striatis caudaque fuscis.

Lin. Syst. Nat. Gmel. p. 898.

TANAGRA melaniçtera.

Guldenst. Nov. Comm. Petrop. 19. p. 465.

A Domino Gueldenstaedt in Actis Petropolitanis ita describitur Tanagra melaniçtera.

“ Magnitudine Tanagra melaniçtera Emberizæ miliaris æqualis est. Caput supra a fronte usque ad nucham et ad latera atrum; collum supra et dorsum brunneo-ferrugineum; uropygium lutescenti-ferrugineum; avis tota subtus uniformiter flavissima. Alæ complicatæ caudæ medium attingentes, fuscae, albido longitudinaliter striatæ; remiges fuscae, marginibus albidis; tectrices superiores remigibus concolores, in-

feriores autem albido-flavæ. Cauda subforcipata, tres pollices longa; rectrices duodecim, fuscæ, marginibus albido-flavicantibus.

“Femina differt coloribus capitis et trunci; illa nimirum supra tota a fronte ad caudam usque sordide olivaceo-ferruginea fusco maculata, subtus tota ex albido flava.

“Habitat in submontanis promontorii utriusque, et septentrionalis et meridionalis Caucasii, circa thermas ad fluvium Terek obvias et in Georgia circa Teflisium.”



BLACK-CROWNED TANAGER.

GENERIC CHARACTER.

Bill conic, acuminate, a little inclining towards the point; the upper mandible slightly ridged, and notched near the end.

SPECIFIC CHARACTER, &c.

Ferruginous-brown TANAGER, yellow beneath, with black crown and cheeks, and wings streaked with white.

Black-crowned TANAGER.

Lath. Syn. 2. p. 223.

This species is described by Guldenstadt in the Petersburg Transactions. Its size is that of the common Bunting: the crown and cheeks are black, the neck and back brown-ferruginous, the rump yellowish-ferruginous, and the whole bird beneath deep yellow; the wings which, when closed, reach to the middle of the tail, are streaked longitudinally with white; the tail is slightly forked, measuring about three inches in length. The female differs in being entirely of a dull olive-ferruginous above, spotted with black, and beneath yellowish white.

It is an inhabitant of the Caucasian mountains and of the country of Georgia.

BLACK-CROWNED TANAGER

Bill conic, acuminate, a little inclining to
wards the point; the upper mandible
slightly ridged, and notched near the end.

Ferruginous-brown TANGIER, yellow be-
hind, with black crown and cheeks, and
wings streaked with white.

This species is found in the
Tangier Islands, and the coast of the
Gulf of Guinea. The crown and cheeks are
black and white, the back and wings
ferruginous, and the tail is black with
yellow; the wings which are black with
white at the tip are streaked longitudinally with
white; the tail is slightly forked, and is
three inches in length. The female has a
entirely of a dull olive-ferruginous above, spotted with
black, and beneath with white.

It is an inhabitant of the Canarian mountains and
of the country of Georgia.

SPHINX PANOPUS.

CHARACTER GENERICUS.

Antennæ medio crassiores, seu utraque extremitate attenuatæ, subprismaticæ.

Alæ deflexæ (volatu graviore respertino seu matutino).

Lin. Syst. Nat. p. 796.

CHARACTER SPECIFICUS, &c.

SPHINX alis gilvis fusco fasciatis, primoribus ocello nigro ad angulum interiorem.

SPHINX PANOPUS.

Cram. t. 224. f. A. B.

Insulam Javam incolet Sphinx Panopus, magnitudine vera in tabula depictus.

SPHINX PANOPUS.

CHARACTER GENERALIS.

Abdomen medio clavatis, seu utraque extremitate attenuata, subprimariis.
Alae deflexae (volatus gravitate respectiva seu manente).

Lin. Syst. Nat. p. 796.

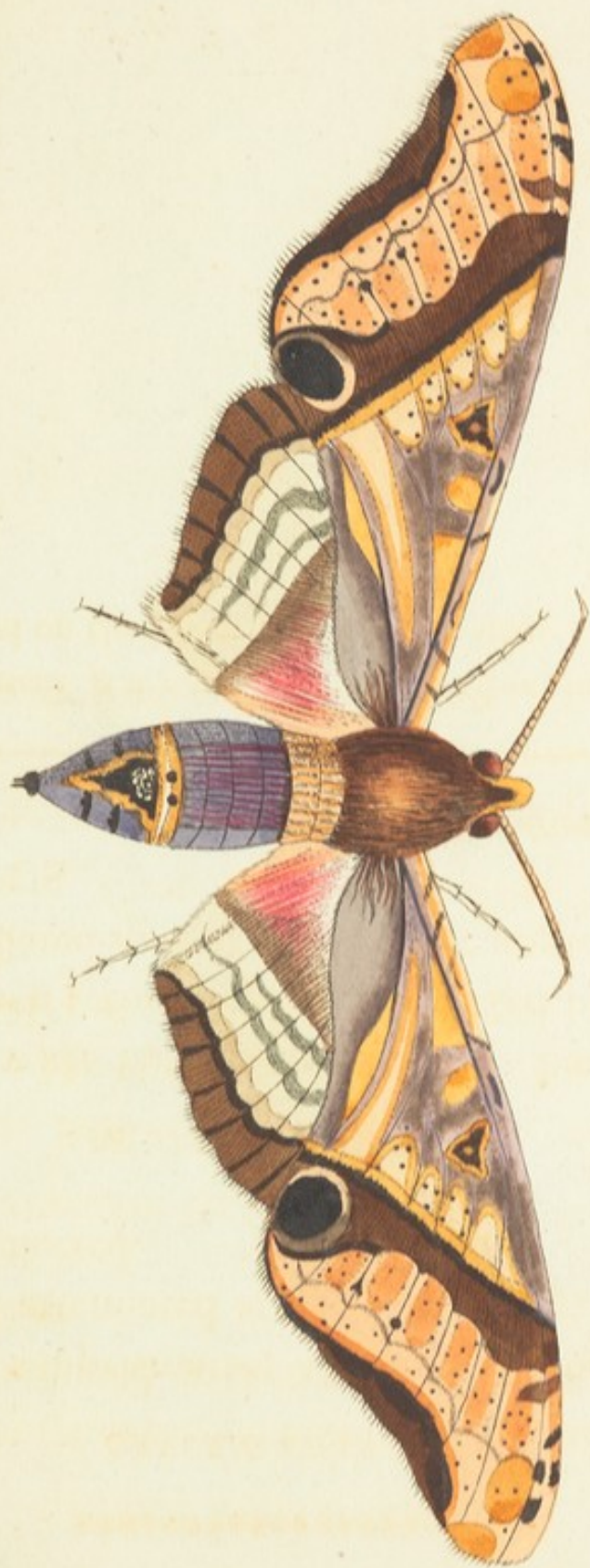
CHARACTER SPECIFICUS, &c.

SPHINX alis fuscis fasciis, primariis
oculo nigro ad angulum anteriorem.

SPHINX PANOPUS.

Craw. t. 224. f. A. 1.

In Asia Javan incolat Sphinx Panopus, magnitudine vix in fabula depictus.



J.P. Notter Del.

PANOPUS.

GENERIC CHARACTER.

Antennæ subprismatic, thickest in the middle,
and attenuated at each extremity.

Wings deflected.

SPECIFIC CHARACTER, &c.

Sphinx with buff-coloured wings barred with
brown ; the upper pair marked by a black
ocellated spot at the interior angle.

PANOPUS.

Cram. pap. exot. t. 224. f. A. B.

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

published on the first of the month of June, and is
The first of the series of the month of June, and is

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GORGONIA CERATOPHYTA.

CHARACTER GENERICUS.

Animal crescens plantæ facie.

Hydræ sparsæ e poris lateralibus.

Stirps radicata, cornea, continua, ramosa, basi explanata, cortice obducta.

CHARACTER SPECIFICUS, &c.

GORGONIA subdichotoma purpurea, ramis virgatis, poris bifariis.

GORGONIA subdichotoma, axillis divaricatis, ramis virgatis bisulcatis, cortice rubro, poris bifariis.

Lin. Syst. Nat. Gmel. p. 3800.

GORGONIA CERATOPHYTA.

Soland. et Ellis Zooph. p. 81. t. 12.

Corallina fruticosa purpurea.

C. Bauh. pin. 366.

Circa oras Americanas præcipue conspicitur formosum hoc Corallium, altitudine, ut plurimum, pedali vel sesquipedali.

GORGONIA CERATOPHYTA.

CHARACTERES SPECIFICI.

GORGONIA CERATOPHYTA.

Stem erect, simple, terete.

Leaves opposite, sessile, linear-lanceolate.

Stipules linear, coriaceous, continuous, imbricate, persistent.

Explanata, coriacea, oblonga.

CHARACTERES SPECIFICI.

GORGONIA subdichotoma purpurea, ramis

virgatis, pinnis bipinnatis.

GORGONIA subdichotoma, axillis divaricatis,

ramis virgatis bipinnatis, coriaceo rubro, po-

lis bipinnatis.

Lin. Sw. Nov. Gen. p. 2800.

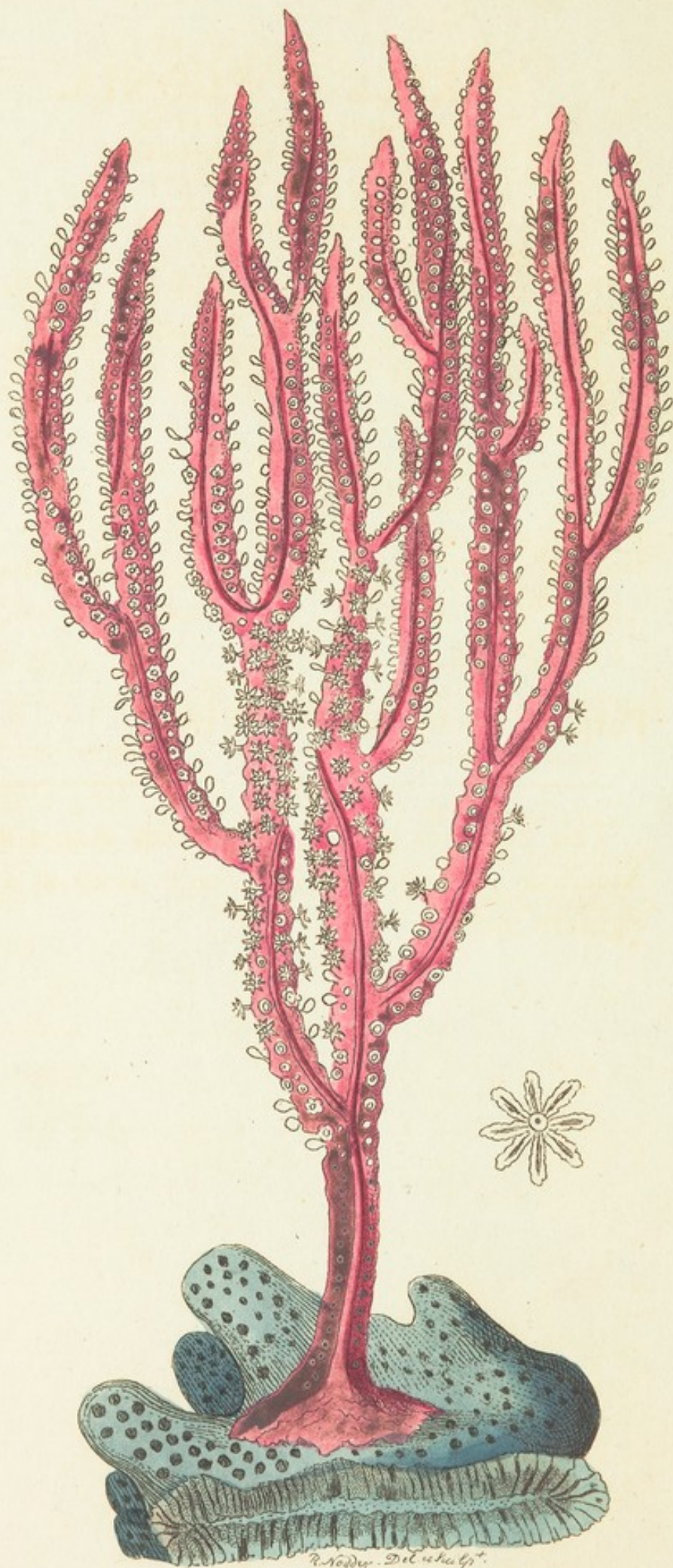
GORGONIA CERATOPHYTA.

Schreb. in Willd. Noeb. p. 21. t. 12.

Corallina fruticosa purpurea.

C. Bosc. Nov. 280.

Cilix, oris Americæ præcipue conspicitur for-
mosum hoc Corallum, albidum, et purpureum, pe-
dalibus et sepioidibus.



PURPLE GORGONIA.

GENERIC CHARACTER.

Animal growing with the habit of a plant.

Polypes scattered from the lateral pores.

Stem fixed, horny branched, covered with a soft bark.

SPECIFIC CHARACTER, &c.

Subdichotomous purple GORGONIA, with twiggy branches, and double rows of white polypes.

Purple shrubby GORGONIA.

This beautiful coral is principally seen about the American coasts : its general height is about a foot or eighteen inches.

PURPLE GORGONIA.

GENERAL CHARACTER.

Shrub growing in the habit of a palm.

Leaves scattered from the petiole.

Stem erect, densely branched, covered with a soft

down.

SPECIFIC CHARACTER.

Subtly brownish purple GORGONIA, with

very broad, and double rows of white

polygons.

Purple shrubby GORGONIA.

This beautiful coral is principally seen about the

American coast; its general height is about a foot or

eighteen inches.

LEPAS AURITA.

CHARACTER GENERICUS.

Animal Triton.

Testa multivalvis, inæquivalvis, basi affixa.

Lin. Syst. Nat. p. 1107.

CHARACTER SPECIFICUS, &c.

LEPAS pedunculata fusca membranacea, appendicibus auriculatis.

LEPAS testa membranacea ventricosa tubo insidente, ore octovalvi dentato, tubulo gemino aurita.

Lin. Syst. Nat. p. 1110.

Speciem quam depinximus, marium Arcti-
corum incolam, primum descripsisse arbitramur Ellisium in
Actis Anglicis. Adhæret, ut solet ferme reliquum
genus, plurimis marinis substantiis. Quas ostendit
tabula Lepadas repræsentavimus grandiori cuidam spe-
ciei affixas, cui nomen inditum est corporis figuræ
conveniens; Lepas nempe *Diadema*.



THE
EARED BARNACLE.

GENERIC CHARACTER.

Animal a Triton.

Shell multivalve, with unequal valves, affixed
by the base.

SPECIFIC CHARACTER, &c.

Brown membranaceous pedunculated BARNACLE, with auriculated appendages.

Auriculated BARNACLE.

This species is a native of the northern ocean, and seems to have been described by Mr. Ellis in the Philosophical Transactions. Like others of this genus, it adheres to various marine substances; and the individuals on the present plate are represented adhering to a larger species, called from its figure *Lepas Diadema*.

PSITTACUS UNDULATUS.

CHARACTER GENERICUS.

Rostrum aduncum, mandibula superiore mobili,
cera instructa.

Nares in rostri basi.

Lingua carnosae, obtusa, integra.

Pedes scansorii.

Lin. Syst. Nat. p. 139.

CHARACTER SPECIFICUS, &c.

PSITTACUS macrourus viridis, supra fusco
undulatus, gula flavente cœruleo maculata,
rectricibus basi flavis.

Ostendit tabula perpulchram speciem psittacinam, Australasiæ incolam, quamque censeo non antea fuisse descriptam. Superiora avis a rostro nempe ad uropygium flavo-viridi-pallent, undulis plurimis fuscis et linearibus transverse decorata, gradatim majoribus prope humeros et imum dorsum. Fuscae sunt alarum pennae, marginibus olivaceo-subflavescentibus. Inferiora cum uropygio virent eleganter pallida. Gula flavo-pallens, maculis paucis cœruleis, lunulisque nigris, huc illuc utrinque conspersa. Cauda cuneata cyanea est, fascia flavissima per omnes pennas in obliquum ducta, exceptis duabus mediis, quæ cæteras longitudine exsuperant. Rostrum pedesque fuscae. Exprimitur in tabula vera avis magnitudo.



D. J. Del.

R. Madder. Sculp.

THE
UNDULATED PARRAKEET.

GENERIC CHARACTER.

Bill hooked : upper mandible moveable.

Nostrils round, placed in the base of the bill.

Tongue fleshy, broad, blunt at the end.

Legs short : feet scansorial.

SPECIFIC CHARACTER, &c.

Long-tailed green PARRAKEET, undulated
above with brown ; the throat yellowish,
with blue spots, and the tail-feathers yellow
at the base.

The highly elegant species of Parrakeet represented on the present plate in its natural size, is an inhabitant of New Holland, and seems to have been hitherto undescribed. The upper parts of the bird, from the bill to the rump, are of a pale yellowish green, beautifully crossed by numerous linear brown undulations, which become gradually larger as they approach the back and shoulders ; the wing-feathers are brown, with pale olive-yellow edges ; the under parts of the bird, together with the rump, are of an elegant pale green ; the throat pale yellow, mottled on each side with a few small deep blue scattered spots, accompanied by

small black crescents: the tail is of a cuneated form, and of a deep-blue colour, with a bright yellow bar running obliquely across all the feathers except the two middle ones, which considerably exceed the rest in length: the bill and legs are brown.

GORGONIA CRASSA ?

CHARACTER GENERICUS.

Animal crescens plantæ facie.

Hydræ sparsæ e poris lateralibus.

Stirps radicata, cornea, continua, ramosa, basi explanata, cortice obducta.

CHARACTER SPECIFICUS, &c.

GORGONIA teres dichotoma, ramis crassis adscendentibus, carne violacea.

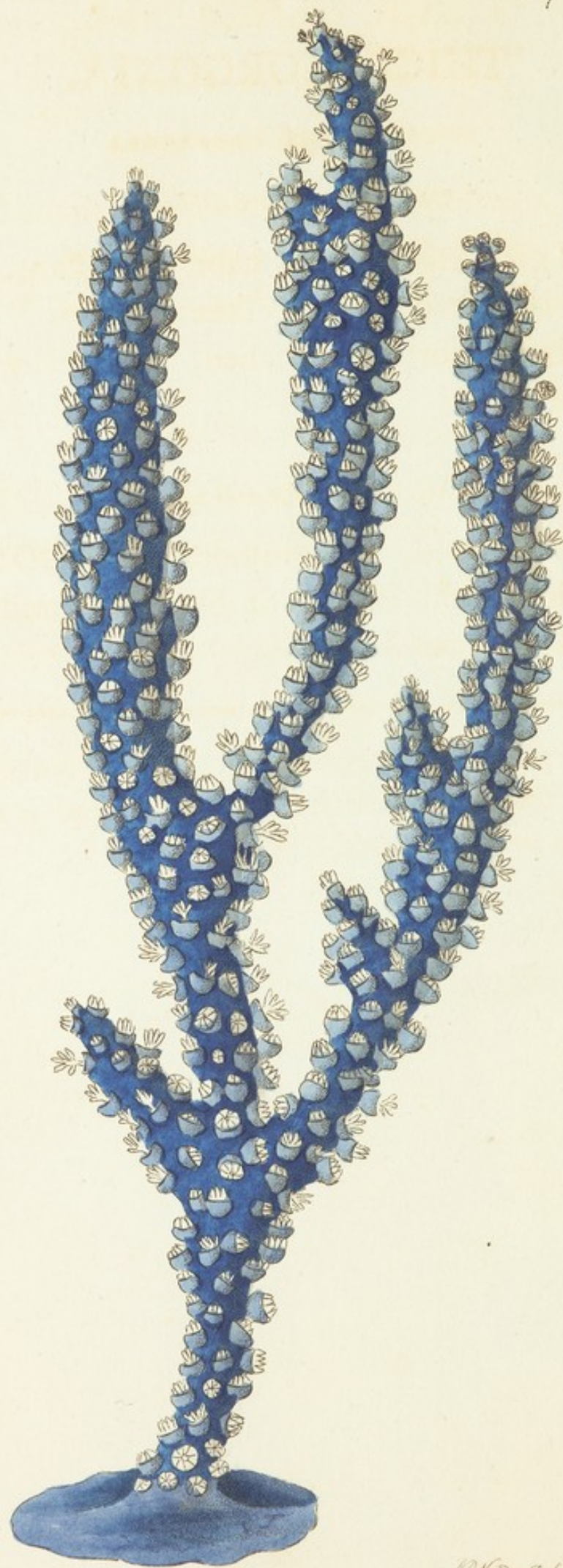
GORGONIA CRASSA ? G. dichotoma, &c. &c.

Soland. & Ellis Zooph. p. 91.

GORGONIA CRASSA ?

Lin. Syst. Nat. Gmel. p. 3806.

Super rupes maris Indici et Americani conspicitur Gorgonia crassa, cujus veram magnitudinem exprimit tabula.



THICK GORGONIA.

GENERIC CHARACTER.

Animal growing with the habit of a plant.

Polypes scattered from the lateral pores.

Stem fixed, horny, branched, covered with a soft bark.

SPECIFIC CHARACTER, &c.

Round-stemmed, dichotomous GORGONIA, with thick, ascendant branches, and violet-coloured bark.

This species of Gorgonia is principally seen on the rocks of the Indian and American seas, and is represented in its natural size.

OSTREA DENTICULATA.

CHARACTER GENERICUS.

Animal Tethys.

Testa bivalvis, inæquivalvis, subaurita.

Cardo edentulus, fossula cava ovata, striisque lateralibus transversis.

Lin. Syst. Nat. p. 1144.

CHARACTER SPECIFICUS, &c.

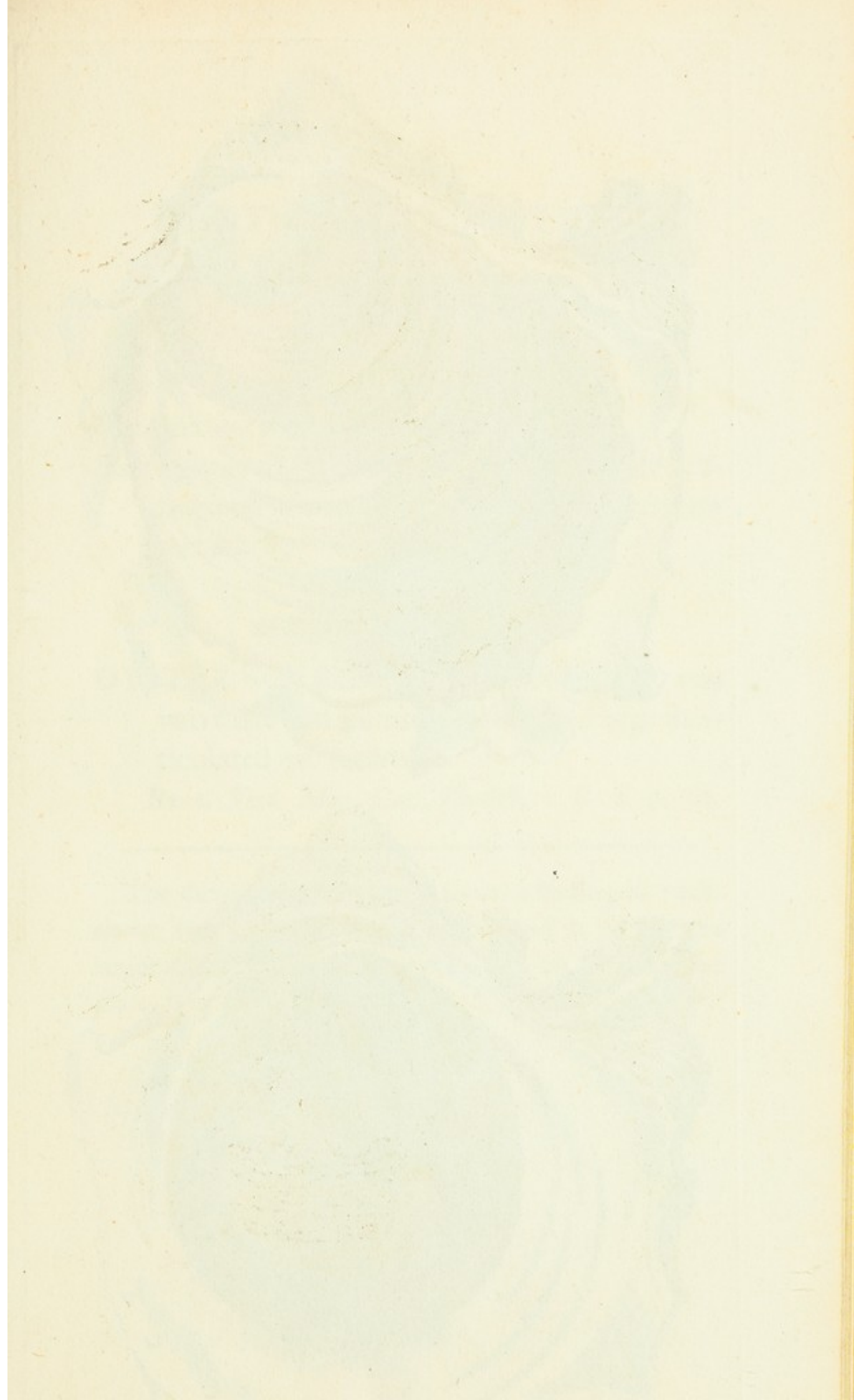
OSTREA testa rotunda, foliacea, valva altera plana parasitica, cardine utrinque denticulato.

Born. test. Mus. Cæs. Vind. p. 113.
t. 6. f. 9, 10.

OSTREA major sulcata, inæqualiter utrinque ad cardinem denticulata.

List. Conch. t. 193, 194.

Circa promontorium bonæ spei, scopulis affixa, conspicitur Ostrea denticulata, interdum major quam in tabula ostenditur.





THE
DENTICULATED OYSTER.

GENERIC CHARACTER.

Animal resembling a Tethys.

Shell bivalve, subauriculated.

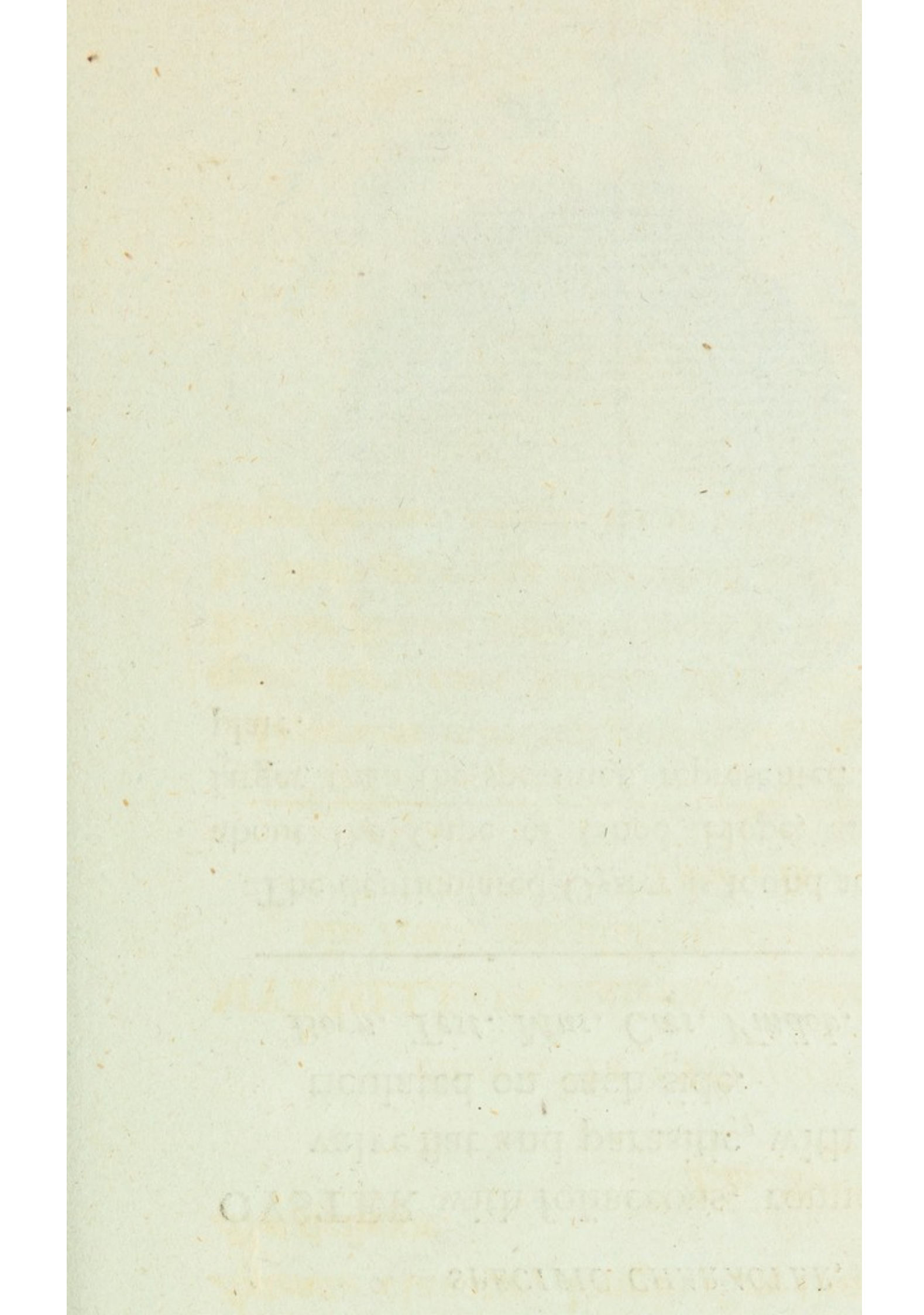
Hinge generally toothless, with an ovate or sub-trigonal fossule, and lateral transverse streaks.

SPECIFIC CHARACTER, &c.

OYSTER with foliaceous, rounded shell; one valve flat and parasitic, with the hinge denticulated on each side.

Born. Test. Mus. Cæs. Vindob. t. 6. f. 9, 10.

The denticulated Oyster is found adhering to rocks about the Cape of Good Hope, and is sometimes larger than the specimen represented on the annexed plate.



MYRMELEON GRANDE.

CHARACTER GENERICUS.

Os maxillosum, dentibus duobus. Palpi quatuor
elongati.

Stemmata nulla.

Cauda maris forcipe e filamentis duobus rectius-
culis.

Antennæ clavatæ, longitudine thoracis.

Alæ deflexæ.

Lin. Syst. Nat. p. 913.

CHARACTER SPECIFICUS, &c.

MYRMELEON antennis gracilibus clavatis,
alis fusco maculato-fasciatis.

Drur. Ins. Exot. 3. t. 41.

Disseruere interdum physici de eleganti hoc insecto,
quasi mera esset varietas Myrmeleontis *libelluloidis*.
Rectius fortasse statuatur speciem esse revera diversam.
In Africa generatur Myrmeleon grande, et veram ejus
magnitudinem cernere est in tabula.

Въспомогательный капиталъ въ 100000
рубли. Въспомогательный капиталъ въ 100000
рубли. Въспомогательный капиталъ въ 100000
рубли. Въспомогательный капиталъ въ 100000
рубли. Въспомогательный капиталъ въ 100000

Данъ въ 1874 году
21-го числа
НАВУМЕГЕОНЪ СКУХИДЪ
СВЯТЫЙ СЛАВЪ

Данъ въ 1874 году
21-го числа
НАВУМЕГЕОНЪ СКУХИДЪ
СВЯТЫЙ СЛАВЪ
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СВЯТЫЙ СЛАВЪ

НАВУМЕГЕОНЪ СКУХИДЪ

THE
GREAT MYRMELEON.

GENERIC CHARACTER.

Mouth furnished with jaws and two teeth.

Feelers four, elongated.

Stemmata none.

Tail (of the male) forcipated by two straitish filaments.

Antennæ equalling the thorax in length, and clavated.

Wings deflected.

SPECIFIC CHARACTER, &c.

MYRMELEON with slender, clavated antennæ, and wings barred by patches of brown.

Drury Ins. 3. t. 41.

This elegant insect, which is sometimes regarded as a variety only of the *Myrmeleon libelluloides*, may, perhaps, with greater propriety be considered as constituting a distinct species. It is a native of Africa, and is represented in its natural size.

LOXIA LUDOVICIANA.

CHARACTER GENERICUS.

Rostrum conico-gibbum, frontis basi rotundatum versus caput; mandibula inferiore margine laterali inflexa.

Nares in basi rostri.

Lingua integra.

Lin. Syst. Nat. p. 299.

CHARACTER SPECIFICUS, &c.

LOXIA nigra, subtus alba, pectore roseo, alis fascia duplici alba.

LOXIA LUDOVICIANA. L. nigra, pectore, ventre, alarum fascia, basique remigum albis.

Lin. Syst. Nat. p. 306.

Coccothraustes LUDOVICIANA.

Briss. av. 3. p. 247. t. 12. f. 2.

Americæ septentrionalis varias regiones incolit Loxia Ludoviciana, cujus veram magnitudinem ostendit tabula.



R. P. Nodder Del. et Sculp.

THE
LUDOVICIAN GROSSBEAK.

GENERIC CHARACTER.

Bill, strong, thick, and convex.

Nostrils small.

Tongue truncated.

SPECIFIC CHARACTER, &c.

Black GROSSBEAK, white beneath, with
rose-coloured breast, and a double white
bar on the wings.

Red-breasted GROSSBEAK.

Lath. Syn. 3. p. 126.

Penn. Arct. Zool. p. 350.

Le Rose-gorge.

Buff. Ois. 3. p. 460.

GROS-BEC de la LOUISIANE.

Pl. Eul. 153. f. 2.

The Ludovician Grossbeak is a native of several
parts of North America, and is exhibited on the plate
in its natural size.

NERITA POLITA
AND
NERITA PENNATA.

CHARACTER GENERICUS.

Animal Limax.

Testa univalvis, spiralis, gibba, subtus planiuscula.

Apertura semiorbicularis, labio columellæ transverso, truncato, planiusculo.

Lin. Syst. Nat. p. 1251.

CHARACTER SPECIFICUS, &c.

NERITA POLITA. N. testa lævi, vertice obliterato, labiis utrisque dentatis.

Lin. Syst. Nat. p. 1254.

NERITA POLITA. N. testa lævi obtusa, labio dentato, labro crenulato.

Born. Mus. Cæs. p. 405. t. 17. f. 15, 16.

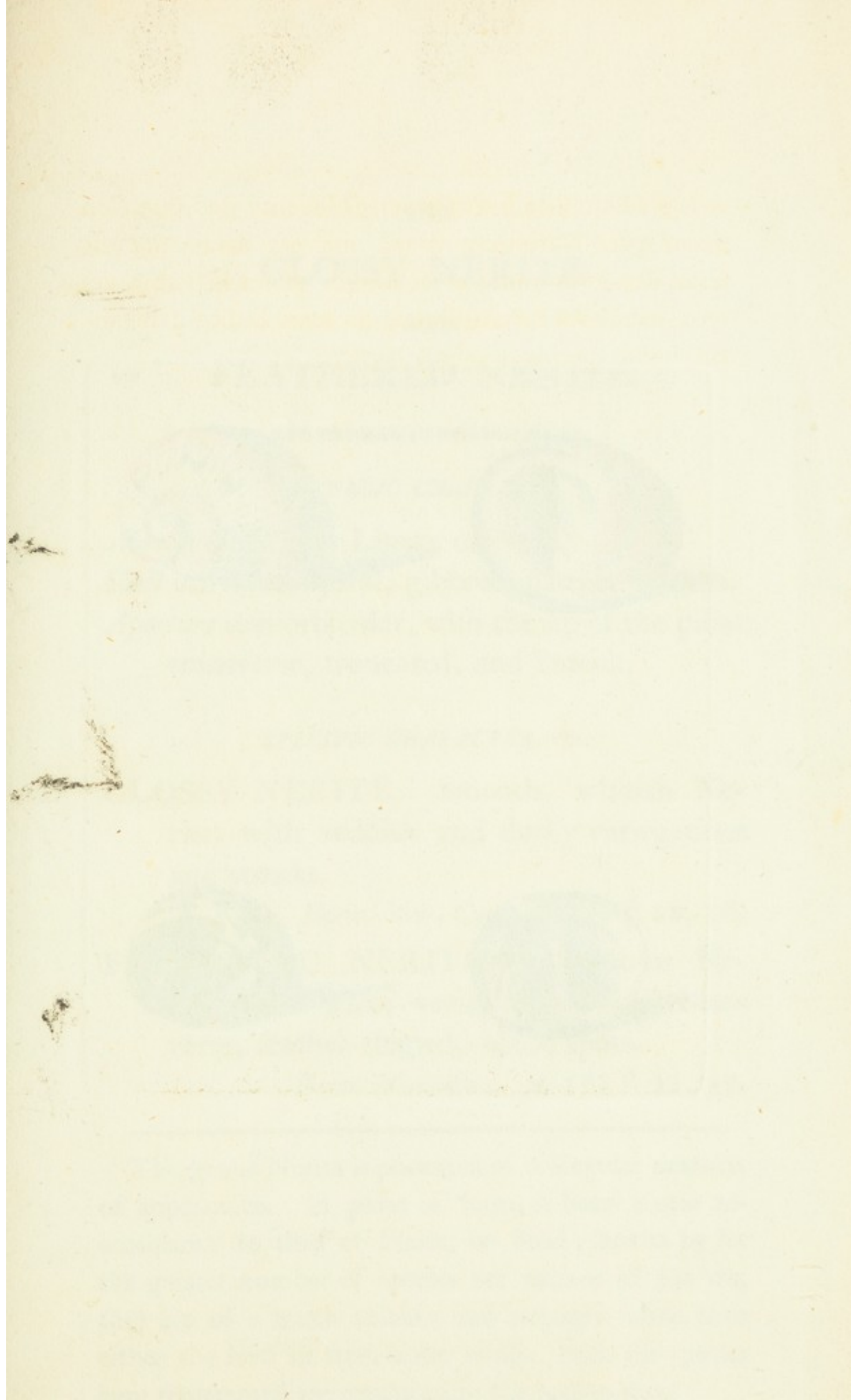
NERITA PENNATA. N. testa olivacea albo variegata, maculis transversis pennatis nigris.

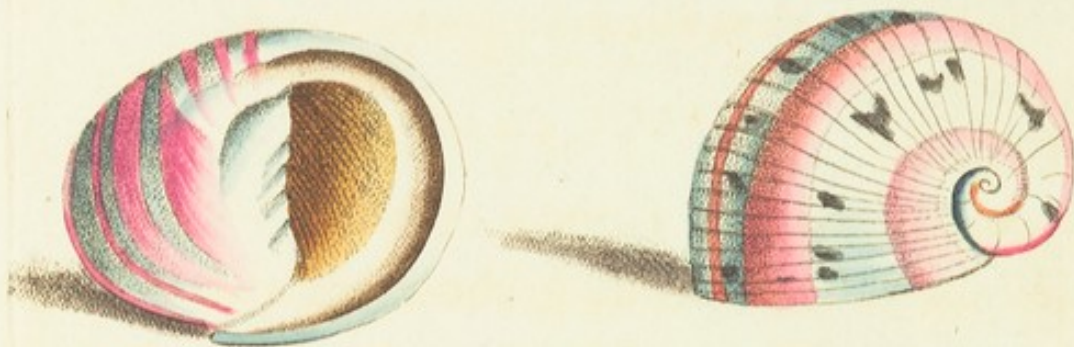
NERITA PENNATA. N. testa rotundata lævi, labio plano crenulato.

Born. Mus. Cæs. p. 404. t. 17. f. 11, 12.

Si generis Neritæ formam generalem species, quæ bella admodum et concinna est, videbitur propius ac-

cedere ad similitudinem generis *Helicis*. Sed quoniam
major pars Neritarum maria incolat, datæ sunt iis
testæ densiores multo et validiores quam helicibus vel
terrestribus vel fluviatilibus. In mari Indico generan-
tur ambæ species in tabula depictæ.





Nautilus *De la Pulp.*

THE
GLOSSY NERITE
AND
FEATHERED NERITE.

GENERIC CHARACTER.

Animal allied to a Limax or Slug.

Shell univalve, spiral, gibbose, flattish beneath.

Aperture semiorbicular, with the lip of the pillar transverse, truncated, and flattish.

SPECIFIC CHARACTER, &c.

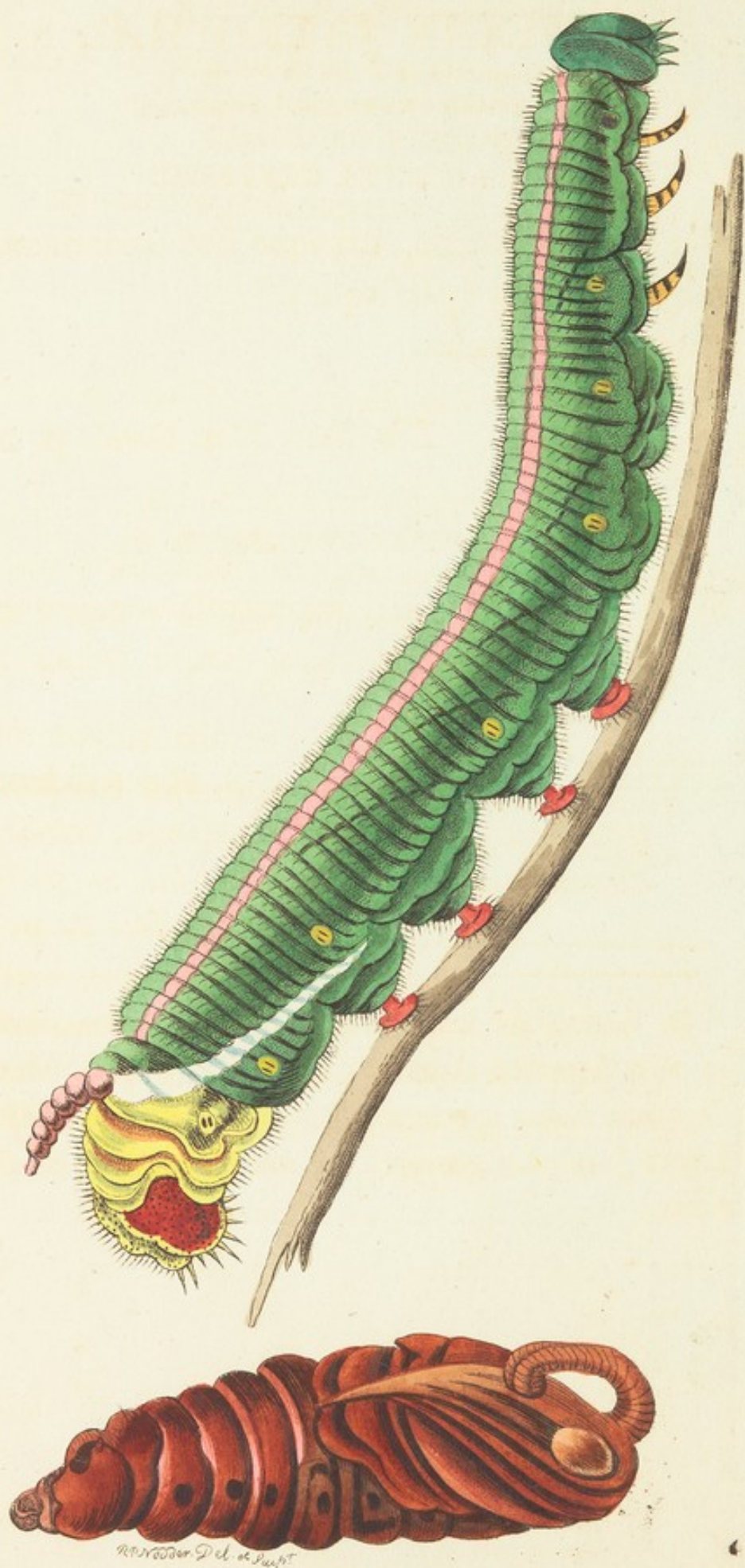
GLOSSY NERITE. Smooth, whitish Nerite, with reddish and dusky variegations and streaks.

Born. Mus. Cæs. pl. 17. f. 15, 16.

FEATHERED NERITE. Olivaceous Nerite, with white variegations, and transverse, feather-shaped, black spots.

Born. Mus. Cæs. pl. 17. f. 11, 12.

The genus *Nerita* is possessed of a singular neatness of appearance. In point of form, it bears a near resemblance to that of *Helix*, or Snail; but as by far the greater number of species are natives of the sea, they are of a much thicker and stronger fabric than either the land or fresh-water snails. Both the species here represented are produced in the Indian seas.



SPHINX JATROPHÆ.

CHARACTER GENERICUS.

Alæ subprismaticæ, utroque fine attennatæ.

Lingua exserta (plerisque).

Palpi duo reflexi.

Alæ deflexæ.

Lin. Syst. Nat. Gmel. p. 2371.

CHARACTER SPECIFICUS, &c.

SPHINX grisea, alis superioribus nigro undulatis, corpore utrinque ocellis tribus luteis nigro marginatis.

SPHINX JATROPHÆ. S. alis subdentatis, posticis nigris basi rufis fasciaque fenestrata, capite bicorni.

Fab. Sp. Ins. 2. p. 143.

In Surinamia innascitur Sphinx Jatrophæ, nec non in aliis Americæ Australis regionibus. Memoravit et depinxit hanc speciem celeberrima Domina Merian. Larva Jatrophæ gossypifoliæ ramulos præcipue depascitur.



THE
JATROPHA SPHINX.

GENERIC CHARACTER.

Antennæ subprismatic, attenuated at each extremity.

Tongue generally exerted.

Feelers two, reflex.

Wings deflected.

SPECIFIC CHARACTER, &c.

Grey SPHINX, with the upper wings undulated with black, and the body ocellated on each side by three yellow spots with black margins.

Merian Ins. Surin. pl. 38.

This insect is an inhabitant of Surinam, as well as of some other parts of South America, and is figured by the celebrated Madam Merian, in her work on the Insects of Surinam. The caterpillar feeds chiefly on the shoots of the *Jatropha gossypifolia*.

THE PROCEEDINGS OF THE

HOUSE OF REPRESENTATIVES

IN SENATE AND HOUSE

OF REPRESENTATIVES

OF THE STATE OF NEW YORK

FOR THE YEAR 1880

ALBANY: J. B. LIPPINCOTT & CO.

PRINTERS, 1880.

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ALCEDO TRIBRACHYS.

CHARACTER GENERICUS.

Rostrum trigonum, crassum, rectum, longum.

Lingua carnea, brevissima, plana, acuta.

Pedes gressorii plerisque.

Lin. Syst. Nat. p. 178.

CHARACTER SPECIFICUS, &c.

ALCEDO cyanea, subtus ferruginea, alis nigricantibus, pedibus tridactylis.

Australasiam incolit Alcedo Tibrachys. Ostendit tabula veram avis magnitudinem, a nemine, ut opinor, antea descriptæ aut depictæ.



THE
TRIDIGITATED KINGFISHER.

GENERIC CHARACTER.

Bill trigonal, thick, straight, long.

Tongue fleshy, very short, flat, sharp-pointed.

Feet gressorial.

SPECIFIC CHARACTER, &c.

Deep-blue KINGSFISHER, ferruginous beneath, with blackish wings and tridactyle feet.

The present species, which is a native of Australasia, does not appear to have been hitherto either figured or described. It is represented on the plate in its natural size.

PERCA? MACULATA.

CHARACTER GENERICUS.

Squamæ duræ, asperæ.

Opercula spinosa.

Bloch. ichth. 2. p. 56.

CHARACTER SPECIFICUS, &c.

PERCA? albo-flavescens, rubro guttata.

PERCA MACULATA. P. alba, guttis rubris.

Bloch. t. 313.

Sparus Atlanticus?

Gen. Zool. 4. p. 453.

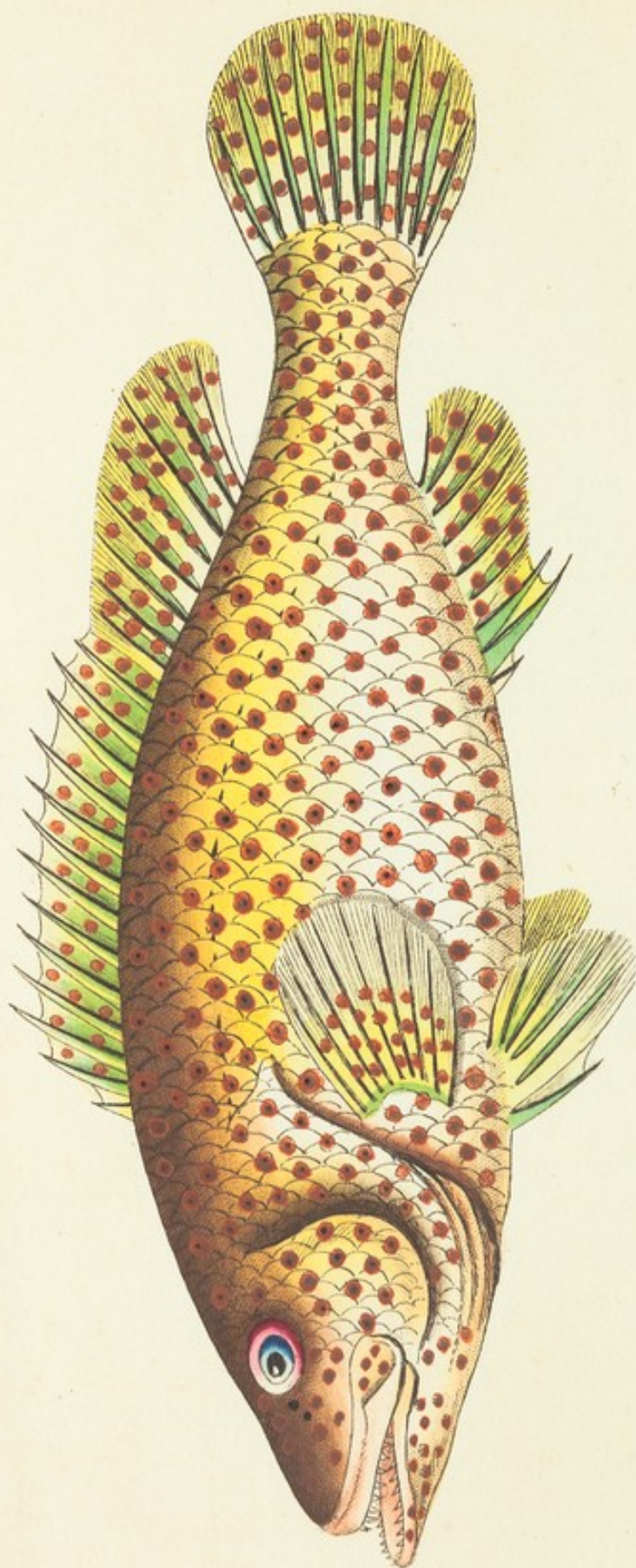
In mari Atlantico præcipue repertus, sedem sibi jure vindicat hic piscis inter pulcherrimos sui generis. Colore interdum variat, et in longitudinem quasi quindecim vel octodecim unciarum crescit.

Възлюбленъ мой, братъ мой,
Съзнаю, что ты не можешь не
понимать, что такое это "братъ"
и что такое это "люблю".

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понимать, что такое это "братъ"
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понимать, что такое это "братъ"
и что такое это "люблю".



RED-SPOTTED PERCH?

GENERIC CHARACTER.

Gill-covers spiny.

Scales hard and rough.

Bloch.

SPECIFIC CHARACTER, &c.

Yellowish-white PERCH, with red spots.

Red-spotted American PERCH.

This fish is principally seen in the American seas, and may justly be considered as one of the most beautiful of its genus. In colour it sometimes varies, and grows to the length of fifteen or eighteen inches.

Some of the most interesting
and valuable of the
ancient records of the
city of London are the
records of the Corporation of
the City of London.

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HELIX CITRINA.

CHARACTER GENERICUS.

Animal Limax.

Testa univalvis, spiralis, subdiaphana, fragilis.

Apertura coarctata, intus lunata seu subrotunda,
segmento circuli dempto.

CHARACTER SPECIFICUS, &c.

HELIX testa subumbilicata convexa obtusa flavescens, fascia fusca.

Lin. Syst. Nat. p. 1245.

Gualt. test. t. 3. f. D. E.

Seb. mus. 3. t. 39. f. 1, 2.

Born. mus. Cæs. Vind. test. t. 13. f. 14, 15.

Varias Asiæ atque Americæ regiones incolit Cochlea hæc elegantissima, magnitudine vera in tabula depicta.

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W. H. Miller Del. & Sculp.

THE
CITRON SNAIL.

GENERIC CHARACTER.

Animal resembling a Slug.

Shell spiral sub-pellucid.

Aperture semilunar.

SPECIFIC CHARACTER, &c.

SNAIL with citron-coloured, subumbilicated,
convex, obtuse shell, with a dusky band.

The citron-coloured Jamaica SNAIL.

The yellow Indian SNAIL.

This highly elegant shell is a native of many parts of Asia and America, and is represented on the plate in its natural size.

GORGONIA BRIAREUS.

CHARACTER GENERICUS.

Animal crescens plantæ facie.

Hydræ sparsæ e poris lateralibus.

Stirps radicata, cornea, continua, ramosa, basi explanata, cortice obducta.

CHARACTER SPECIFICUS, &c.

GORGONIA teres, crassa, cinerea, basi explanata, osse vitreo-aciculato, hydris magnis cirratis.

GORGONIA BRIAREUS. G. subramosa teres crassa, basi supra rupes late explanata, carne interna subalbida, externe cinerea, polypis majoribus octotentaculatis cirratis, osse ex aciculis vitreis purpureis, inordinate sed longitudinaliter compactis composito.

Soland. et Ellis Zooph. p. 93. t. 14. f. 1.

Circa oras Americanas præcipue conspicitur Gorgonia Briareus, altitudine decem vel quindecim uncias æquans. Colore interdum variat.

THE
THICK-ARMED GORGONIA.

GENERIC CHARACTER.

Animal growing with the habit of a plant.

Polypes scattered from the lateral pores.

Stem fixed, horny, branched, covered with a soft bark.

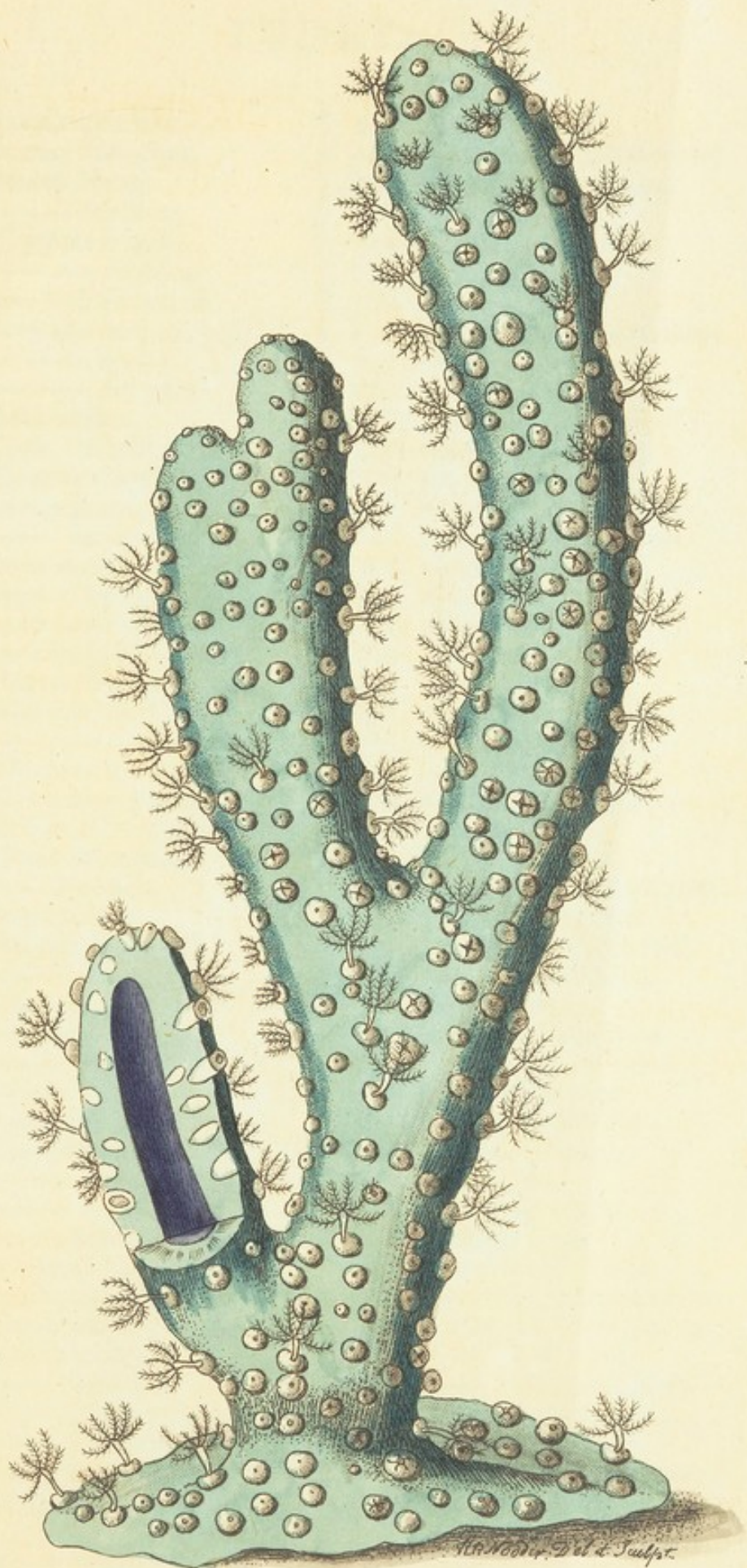
SPECIFIC CHARACTER, &c.

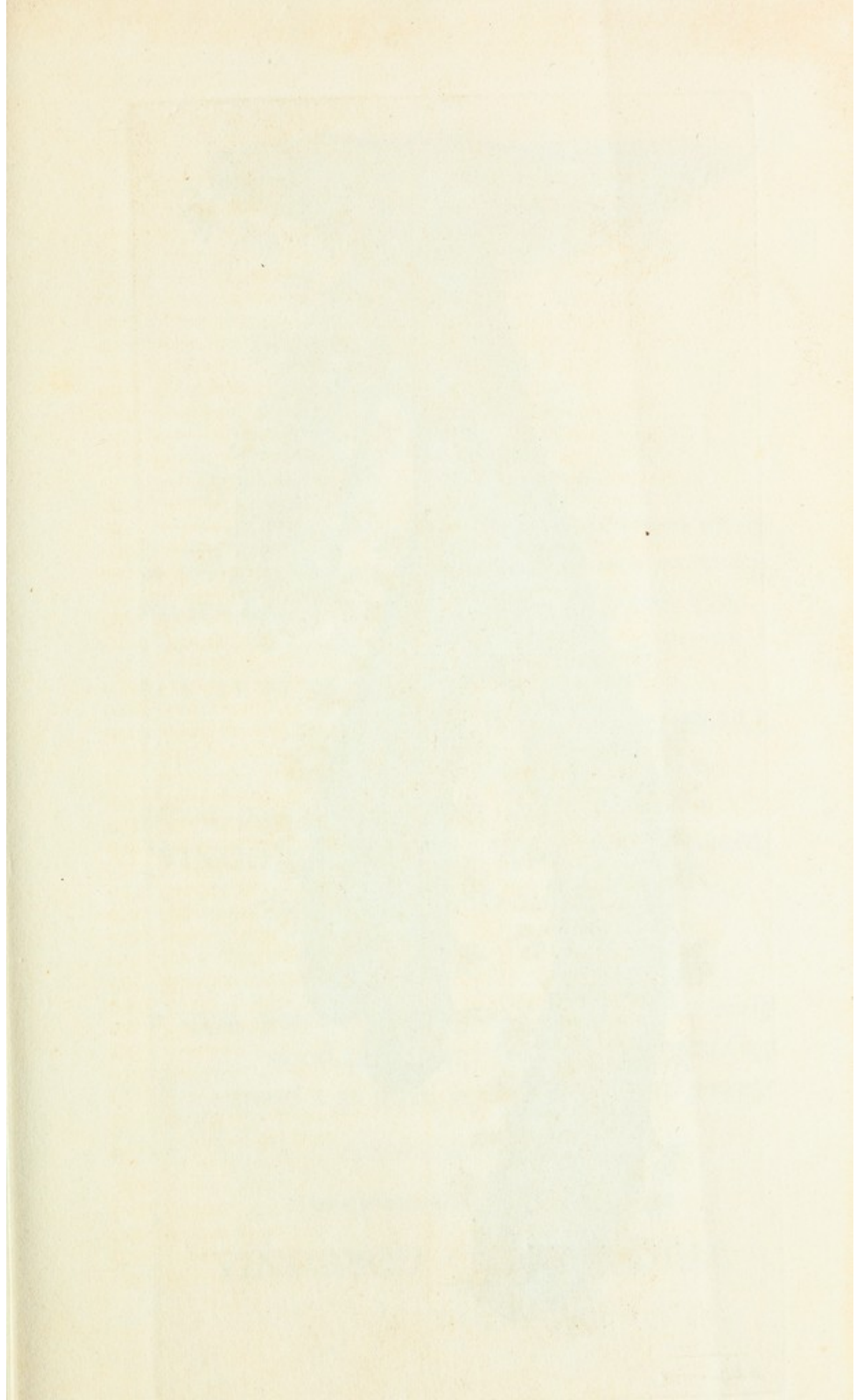
Round-armed, thick, cinereous GORGONIA,
with expanded base, glassy-fibred bone,
and large cirrated polypes.

The GORGON BRIAREUS.

Soland. et Ellis Zooph. p. 93. pl. 14. f. 1.

This species of Gorgonia is chiefly found about the American coasts, and grows to the height of ten or fifteen inches. In colour it sometimes varies.





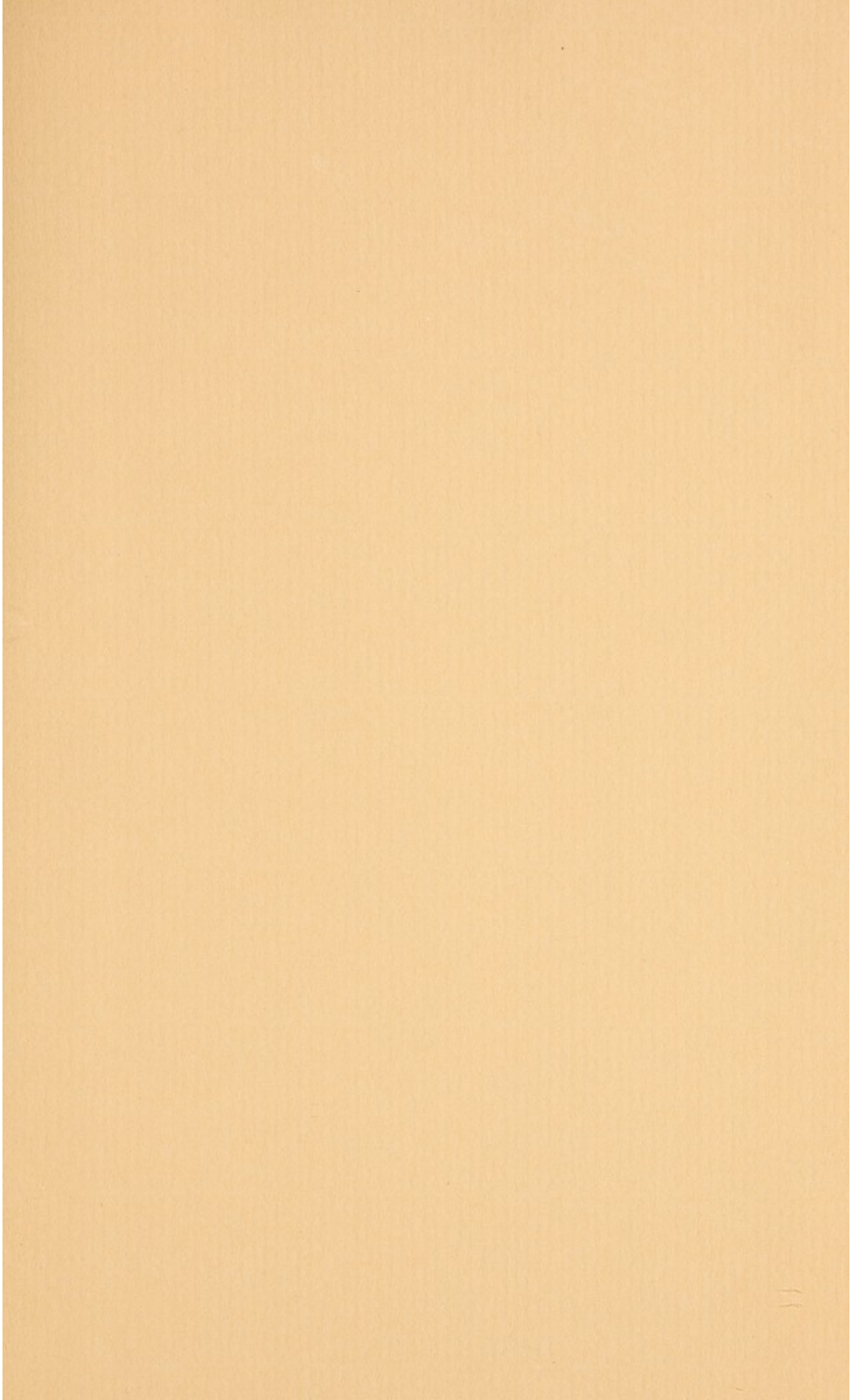
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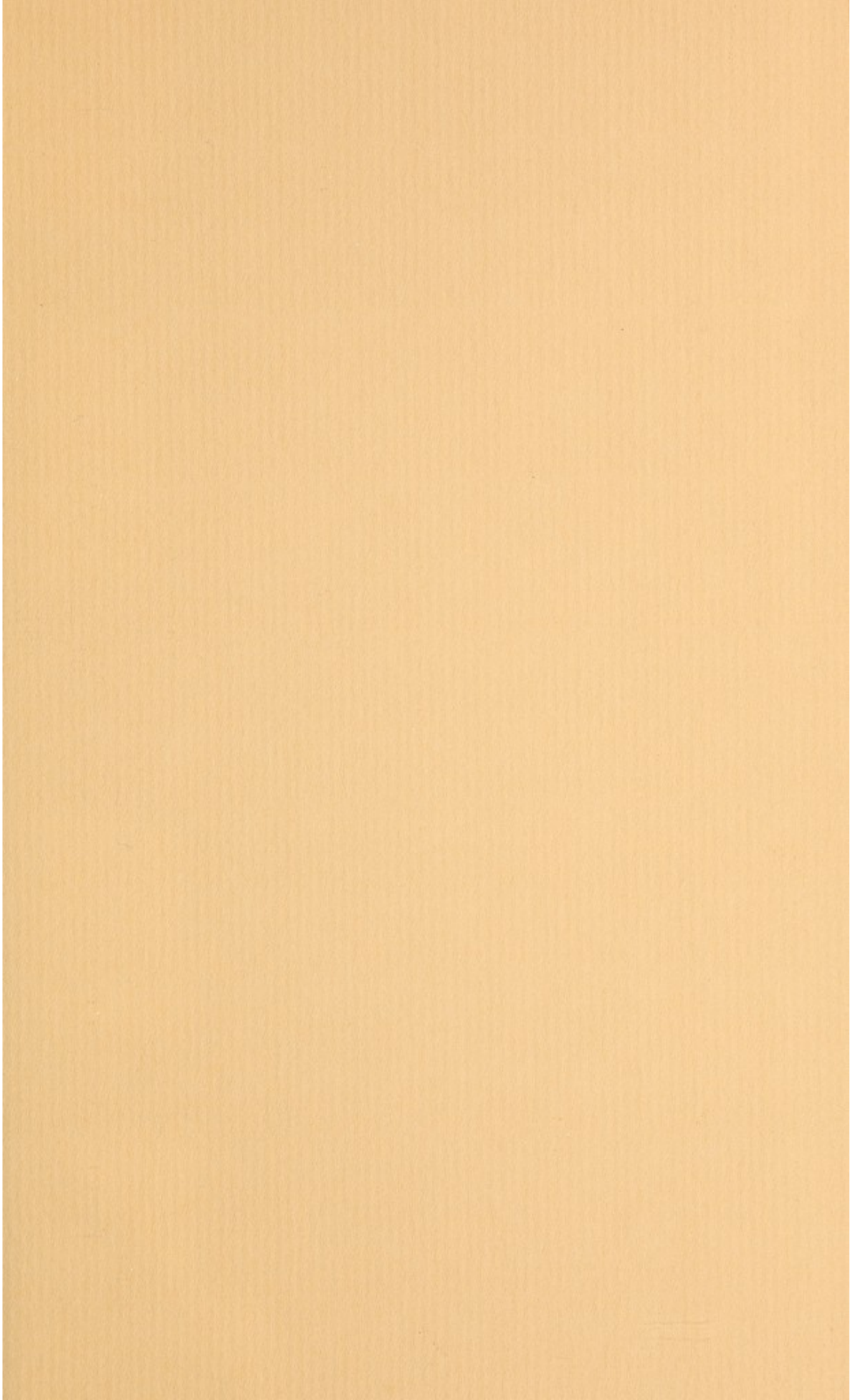
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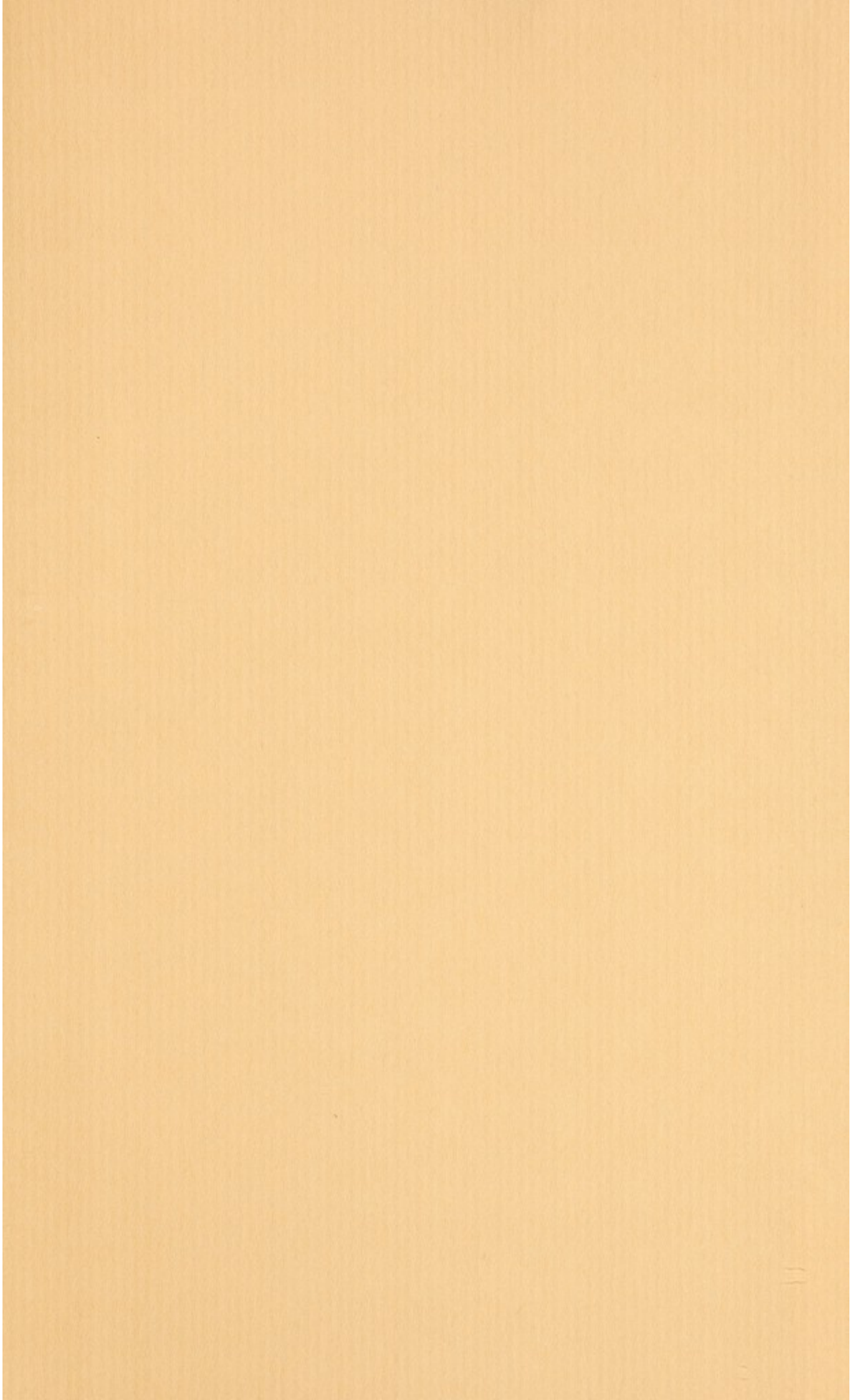
- 638. *Aplysia punctata*.
- 681. *Alcedo tribrachys*.
- 642. *Cancer Mantis*.
- 655. ——— *Scyllarus*.
- 648. { *Cypræa fragilis*.
- *Arabica*.
- 658. *Corallina Flabellum*.
- 671. *Gorgonia ceratophyta*.
- 674. ——— *crassa*.
- 684. ——— *Briareus*.
- 683. *Helix citrina*.
- 664. *Hyale tridentata*.
- 665. *Hirundo Capensis*.
- 637. *Lanius gutturalis*.
- 645. ——— *jocosus*.
- 672. *Lepas aurita*.
- 663. *Lacerta lepidopus*.
- 677. *Loxia Ludoviciana*.
- 647. *Lucernaria quadriloba*.
- 643. *Medusa Nummularia*.
- 649. *Motacilla Rossica*.
- 661. ——— *Succica*.
- 666. *Millepora cærulea*.
- 676. *Myrmeleon grande*.
- 678. *Nerita polita et pennata*.
- 675. *Ostrea denticulata*.
- 639. ——— *Jacobæa*.
- 641. *Pavo spicifer*.
- 640. *Phalæna Apollonia*.
- 646. ——— *Tarquinia*.
- 644. ——— *Fabia*.
- 656. ——— *Janus*.
- 659. ——— *Paphia*, larva.
- 660. ——— *Paphia*.
- 650. *Papilio Amphrysus*.
- 653. *Psittacus melanotus*.
- 657. ——— *zonarius*.
- 673. ——— *undulatus*.
- 682. *Perca maculata*.
- 662. *Pyrosoma phosphorescens*.
- 651. *Spondylus gædaropus*.
- 652. *Sparus melanopterus*.
- 667. *Sphinx labruscæ*, larva.
- 668. ——— *labruscæ*.
- 670. ——— *Panopus*.
- 679. ——— *Jatrophæ*, larva.
- 680. ——— *Jatrophæ*.
- 669. *Tanagra melaniçtera*.

PL.

- 638. *Aplysia speckled*.
- 637. *Butcher-Bird red-throated*.
- 650. *Butterfly Amphrysus*.
- 672. *Barnacle eared*.
- 642. *Crab long-bodied*.
- 655. *Crab oval-tailed*.
- 660. *Coralline fan*.
- 648. *Cowry brittle and Arabian*.
- 671. *Gorgonia purple*.
- 674. ——— *thick*.
- 684. ——— *thick-armed*.
- 677. *Grossbeak Ludovician*.
- 664. *Hyale tridentated*.
- 681. *Kingfisher tridigitated*.
- 647. *Lucernaria four-lobed*.
- 663. *Lizard scaly-footed*.
- 643. *Medusa nummular*.
- 644. *Moth Fabia*.
- 640. ——— *Apollonia*.
- 646. ——— *Tarquinia*.
- 656. ——— *Janus*.
- 658. ——— *Paphia-larva*.
- 659. ——— *Paphia*.
- 654. *Mackrel Plumerian*.
- 666. *Millepore blue*.
- 676. *Myrmeleon great*.
- 678. *Nerite glossy and feathered*.
- 675. *Oyster denticulated*.
- 653. *Parrakeet black-backed*.
- 673. ——— *undulated*.
- 657. *Parrot zoned*.
- 662. *Pyrosoma phosphoric*.
- 641. *Peacock spike-crested*.
- 682. *Perch red-spotted*.
- 661. *Red-Breast Swedish*.
- 639. *Scallop Jacobæan*.
- 683. *Snail citron*.
- 645. *Shrike red-vented*.
- 665. *Swallow Cape*.
- 652. *Sparus black-finned*.
- 651. *Spondylus subauriculated*.
- 667. *Sphinx wild vine*, larva.
- 668. ——— *wild vine*.
- 679. ——— *Jatrophæ*, larva.
- 680. ——— *Jatrophæ*.
- 670. ——— *Panopus*.
- 669. *Tanager black-crowned*.
- 649. *Warbler Russian*.







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